

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091319\
 Data File : VN057961.D
 Acq On : 12 Sep 2019 11:36
 Operator : JC/SP
 Sample : VN0913WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS01

Manual Integrations
 APPROVED

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 9/13/2019 1:05:32 PM

Quant Time: Sep 13 05:11:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	299401	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	485156	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	464075	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	262805	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	320427	52.84	ug/l	0.00
Spiked Amount						
			Recovery	=	105.68%	
35) Dibromofluoromethane	7.58	113	225447	50.35	ug/l	0.00
Spiked Amount						
			Recovery	=	100.70%	
50) Toluene-d8	10.09	98	927796	53.37	ug/l	0.00
Spiked Amount						
			Recovery	=	106.74%	
62) 4-Bromofluorobenzene	12.41	95	315693	47.65	ug/l	0.00
Spiked Amount						
			Recovery	=	95.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	82275	19.870	ug/l	99
3) Chloromethane	2.03	50	81324	19.270	ug/l	100
4) Vinyl Chloride	2.16	62	81179	18.175	ug/l	96
5) Bromomethane	2.54	94	44479	17.121	ug/l	99
6) Chloroethane	2.68	64	50674	17.805	ug/l	99
7) Trichlorofluoromethane	2.99	101	102077	18.161	ug/l	99
8) Diethyl Ether	3.39	74	43565	18.583	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	71150	20.066	ug/l	100
10) Methyl Iodide	3.93	142	64029	16.227	ug/l	99
11) Tert butyl alcohol	4.77	59	71200	97.009	ug/l	98
12) 1,1-Dichloroethene	3.71	96	60331	18.924	ug/l	96
13) Acrolein	3.59	56	42281	67.901	ug/l	92
14) Allyl chloride	4.30	41	112010	17.953	ug/l	97
15) Acrylonitrile	4.97	53	207198	102.708	ug/l	99
16) Acetone	3.80	43	185126	93.125	ug/l	98
17) Carbon Disulfide	4.03	76	83316	16.896	ug/l	99
18) Methyl Acetate	4.31	43	116302	21.942	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	262711	19.801	ug/l	97
20) Methylene Chloride	4.53	84	79890	20.381	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	64345	18.671	ug/l	99
22) Diisopropyl ether	5.93	45	290375	19.846	ug/l	97
23) Vinyl Acetate	5.88	43	1047440	101.014	ug/l	99
24) 1,1-Dichloroethane	5.82	63	157536	19.701	ug/l	99
25) 2-Butanone	6.82	43	286388	99.536	ug/l	99
26) 2,2-Dichloropropane	6.81	77	113848	17.991	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	88843	19.236	ug/l	99
28) Bromochloromethane	7.17	49	79381	19.871	ug/l	99
29) Tetrahydrofuran	7.19	42	177185	99.937	ug/l	99
30) Chloroform	7.36	83	165486	19.793	ug/l	99
31) Cyclohexane	7.64	56	114624	19.679	ug/l	94
32) 1,1,1-Trichloroethane	7.55	97	125098	18.865	ug/l	97
36) 1,1-Dichloropropene	7.78	75	103347	18.368	ug/l	99
37) Ethyl Acetate	6.91	43	113025	19.443	ug/l #	88
38) Carbon Tetrachloride	7.76	117	96683	18.821	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	108101	18.276	ug/l	93
40) Benzene	8.03	78	331912	19.594	ug/l	98
41) Methacrylonitrile	7.16	41	53636	20.326	ug/l	96
42) 1,2-Dichloroethane	8.11	62	138285	20.412	ug/l	100
43) Isopropyl Acetate	8.15	43	193723	19.816	ug/l	100
44) Trichloroethene	8.83	130	78013	18.777	ug/l	99
45) 1,2-Dichloropropane	9.11	63	98314	19.946	ug/l	100
46) Dibromomethane	9.20	93	61876	20.774	ug/l	97
47) Bromodichloromethane	9.40	83	115930	19.491	ug/l	97
48) Methyl methacrylate	9.19	41	96759	19.512	ug/l	99
49) 1,4-Dioxane	9.19	88	31846	379.745	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	624303	107.915	ug/l	98
52) Toluene	10.15	92	208600	19.552	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	115706	18.473	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	129201	18.683	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	91178	20.175	ug/l	98
56) Ethyl methacrylate	10.43	69	135008	19.838	ug/l	99
57) 1,3-Dichloropropane	10.71	76	155599	19.978	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	340752	106.306	ug/l	99
59) 2-Hexanone	10.75	43	446895	103.062	ug/l	99
60) Dibromochloromethane	10.90	129	79011	18.827	ug/l	100
61) 1,2-Dibromoethane	11.00	107	83935	19.645	ug/l	98
64) Tetrachloroethene	10.63	164	64605	18.855	ug/l	97
65) Chlorobenzene	11.44	112	230179	18.952	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	80422	19.083	ug/l	99
67) Ethyl Benzene	11.51	91	415724	19.531	ug/l	99
68) m/p-Xylenes	11.62	106	297095	38.105	ug/l	99
69) o-Xylene	11.95	106	148446	19.152	ug/l	97
70) Styrene	11.97	104	256423	19.223	ug/l	98
71) Bromoform	12.13	173	47302	18.003	ug/l #	98
73) Isopropylbenzene	12.25	105	413082	20.256	ug/l	100
74) N-amyl acetate	12.07	43	173198	19.515	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	139233	20.278	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	122451m	20.597	ug/l	
77) Bromobenzene	12.53	156	98080	19.290	ug/l	96
78) n-propylbenzene	12.60	91	483265	20.637	ug/l	100
79) 2-Chlorotoluene	12.68	91	287915	19.453	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	354428	20.570	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	28129	16.650	ug/l #	85
82) 4-Chlorotoluene	12.78	91	293908	19.337	ug/l	99
83) tert-Butylbenzene	13.00	119	310504	20.273	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	352443	20.125	ug/l	99
85) sec-Butylbenzene	13.18	105	407726	20.084	ug/l	100
86) p-Isopropyltoluene	13.30	119	364926	20.402	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	179336	19.217	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	178664	18.861	ug/l	99
89) n-Butylbenzene	13.62	91	329877	19.529	ug/l	100
90) Hexachloroethane	13.88	117	50771	19.086	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	177634	19.052	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.28	75	21864	19.282	ug/l	99

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Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	104546	17.156	ug/l	96
94) Hexachlorobutadiene	15.02	225	47620	18.434	ug/l	98
95) Naphthalene	15.13	128	306731	18.962	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	103275	20.023	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

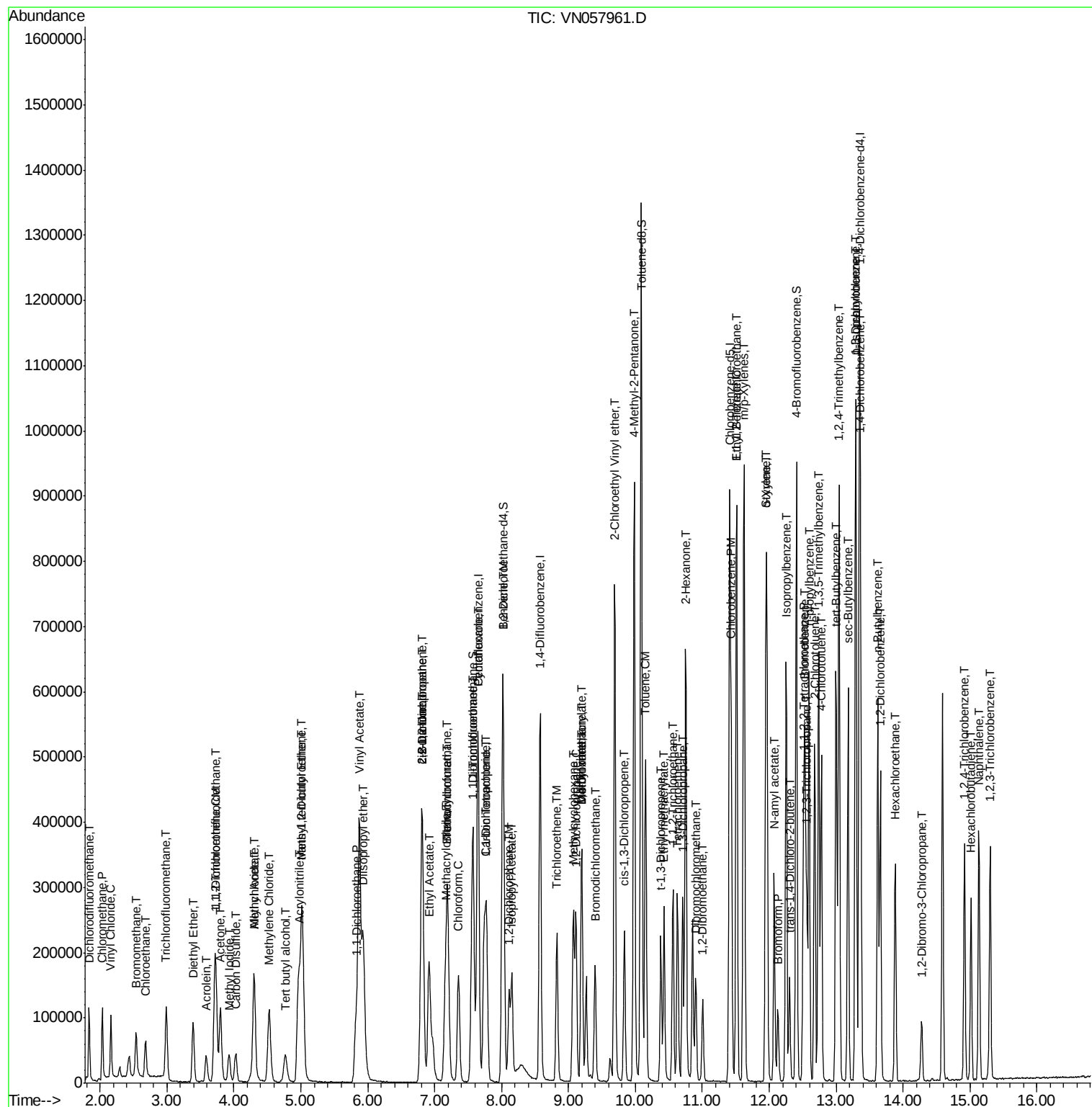
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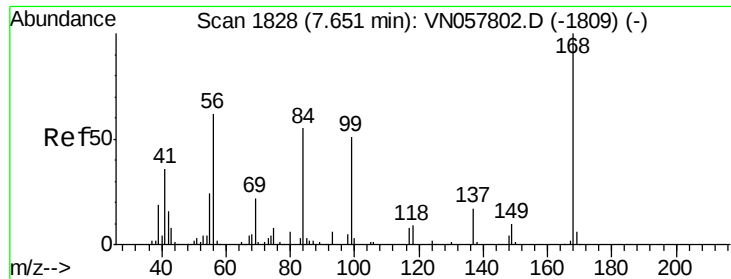
Instrument :
 MSVOA_N
 Client Sample Id :
 VN0913WBS01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057961.D

Acq: 12 Sep 2019 11:36

Instrument :

MSVOA_N

ClientSampled :

VN0913WBS01

Tot Ion:168 Resp: 299401

Ion Ratio Lower Upper

168 100

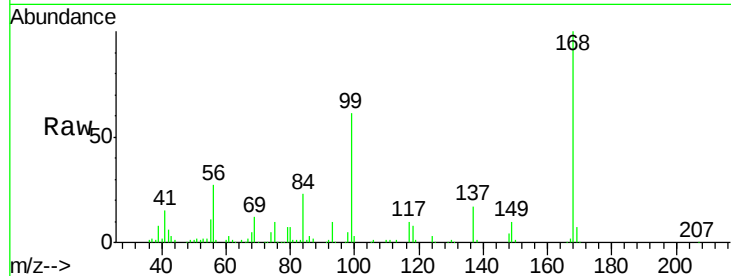
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Manual Integrations

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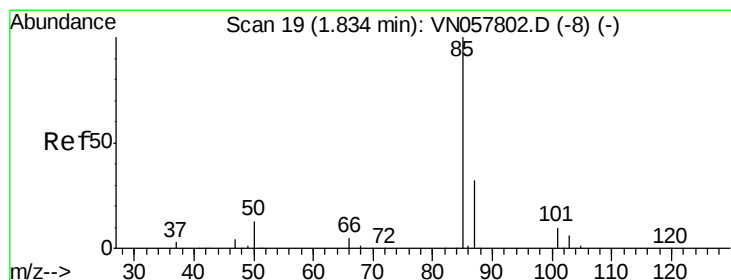
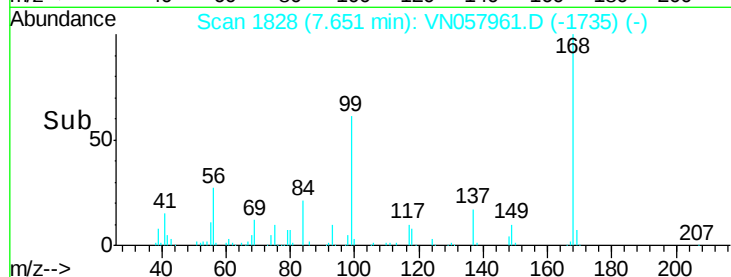
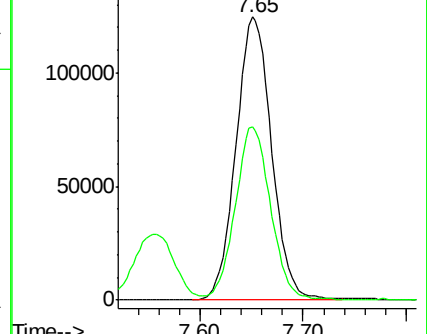
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.870 ug/l

RT: 1.84 min Scan# 20

Delta R.T. 0.00 min

Lab File: VN057961.D

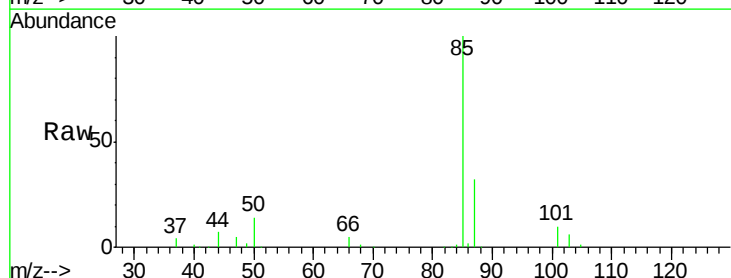
Acq: 12 Sep 2019 11:36

Tgt Ion: 85 Resp: 82275

Ion Ratio Lower Upper

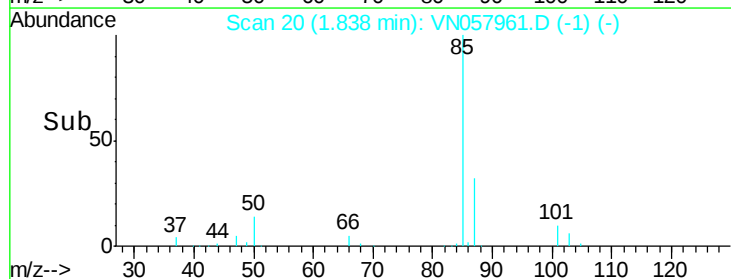
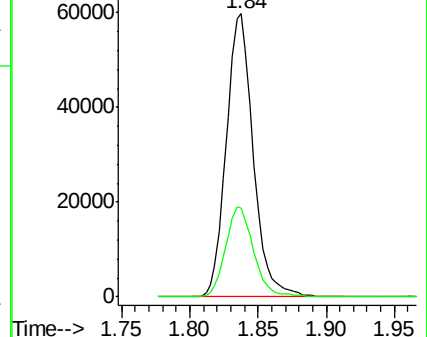
85 100

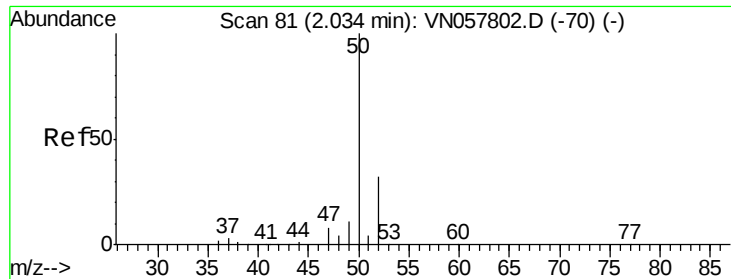
87 31.6 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 19.270 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057961.D

Acq: 12 Sep 2019 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS01

Tot Ion: 50 Resp: 81324

Ion Ratio Lower Upper

50 100

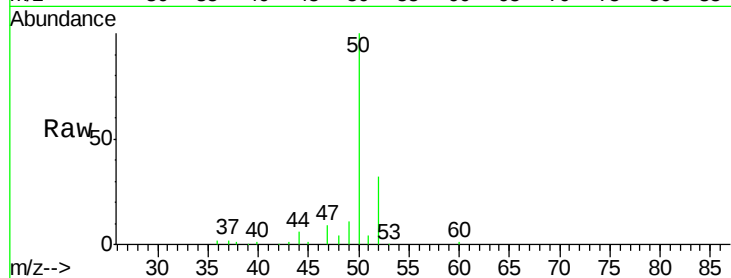
52 31.7 25.5 38.3

Manual Integrations

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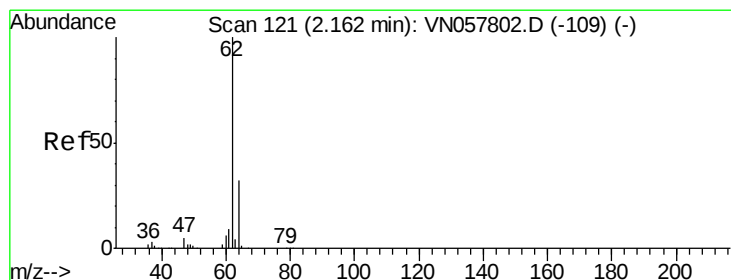
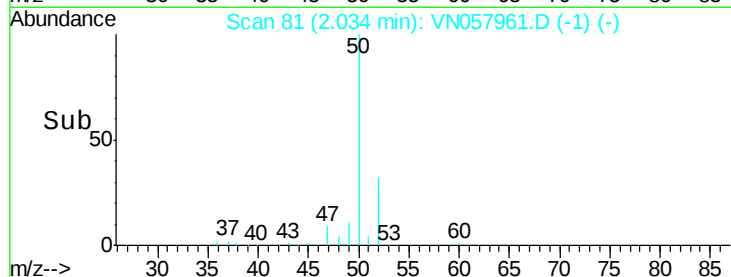
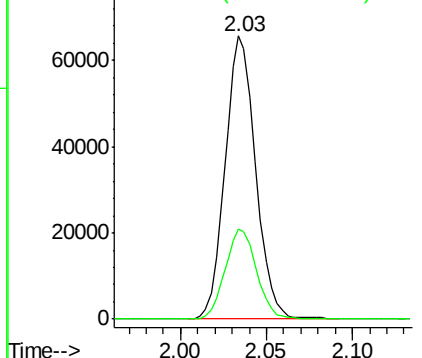
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.175 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057961.D

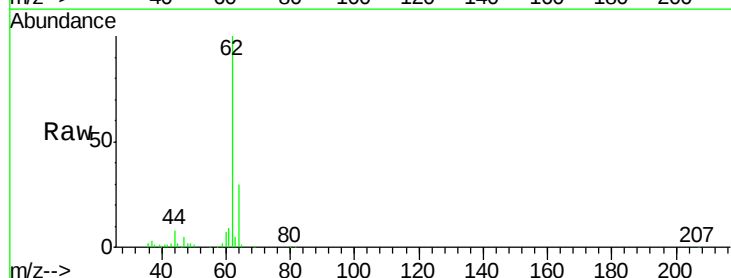
Acq: 12 Sep 2019 11:36

Tgt Ion: 62 Resp: 81179

Ion Ratio Lower Upper

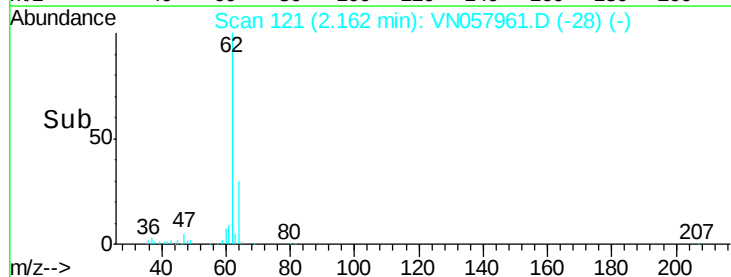
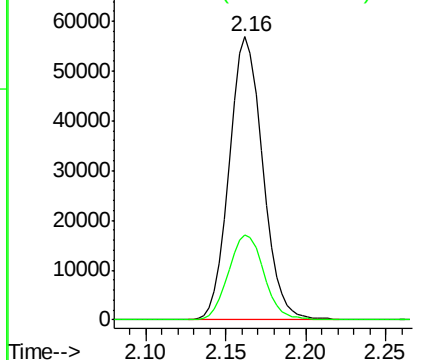
62 100

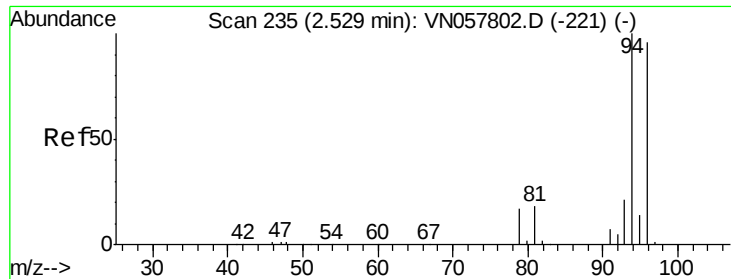
64 30.0 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





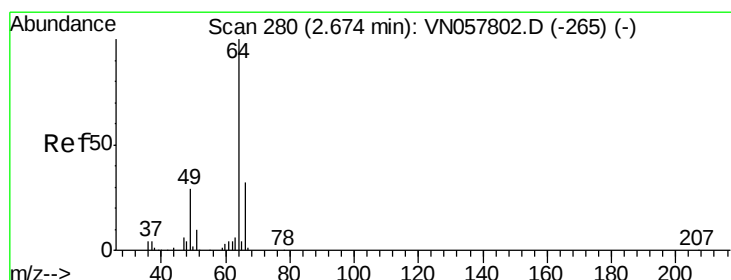
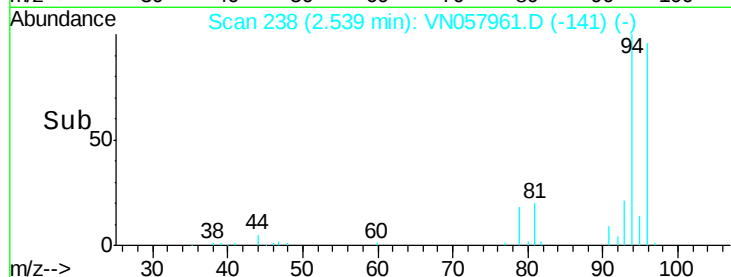
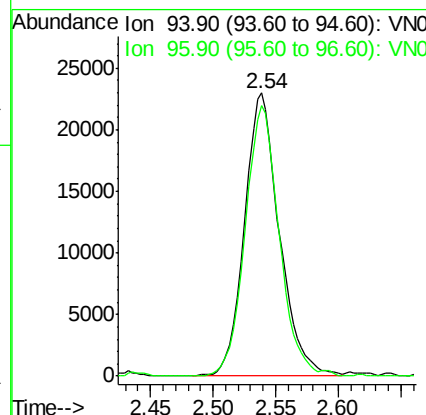
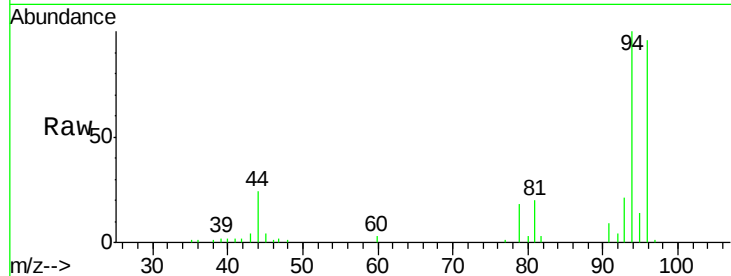
#5
Bromomethane
Concen: 17.121 ug/l
RT: 2.54 min Scan# 238
Delta R.T. 0.01 min
Lab File: VN057961.D
Acq: 12 Sep 2019 11:36

Instrument :
MSVOA_N
ClientSampled :
VN0913WBS01

Tot Ion: 94 Resp: 44479
Ion Ratio Lower Upper
94 100
96 95.6 77.0 115.4

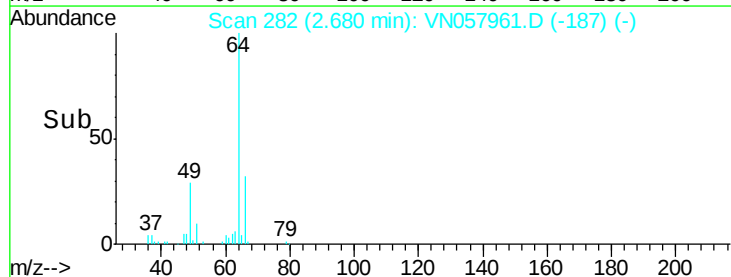
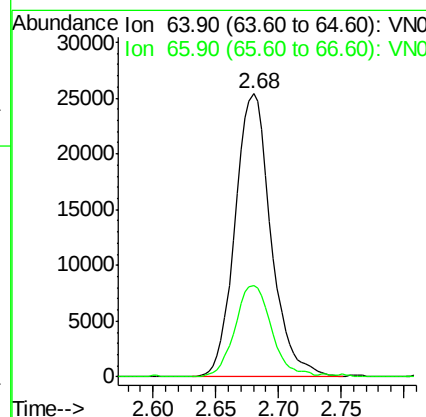
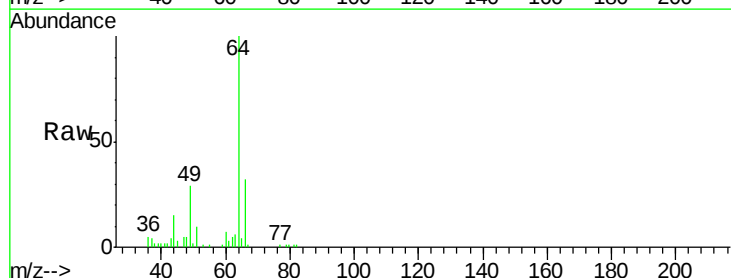
Manual Integrations
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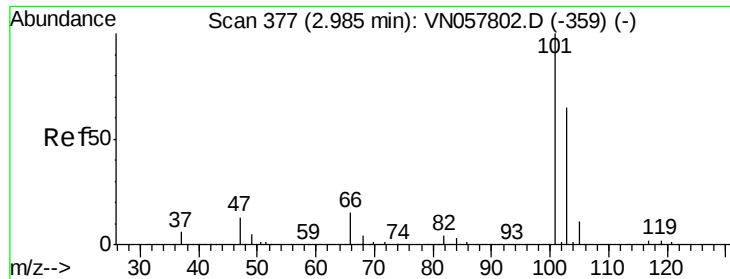
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#6
Chloroethane
Concen: 17.805 ug/l
RT: 2.68 min Scan# 282
Delta R.T. 0.01 min
Lab File: VN057961.D
Acq: 12 Sep 2019 11:36

Tgt Ion: 64 Resp: 50674
Ion Ratio Lower Upper
64 100
66 32.2 25.5 38.3





#7

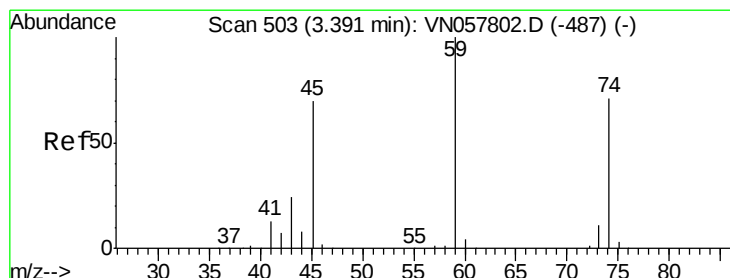
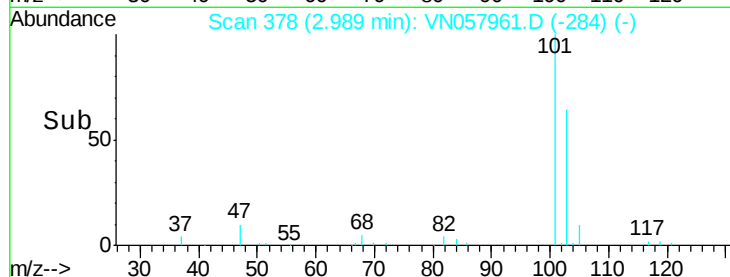
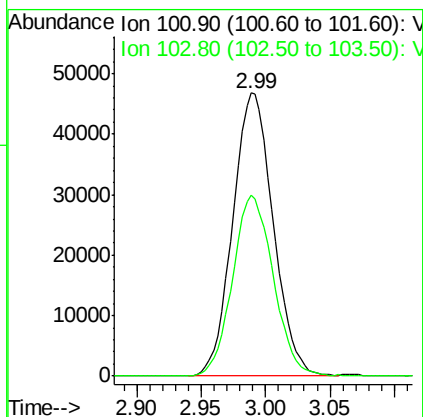
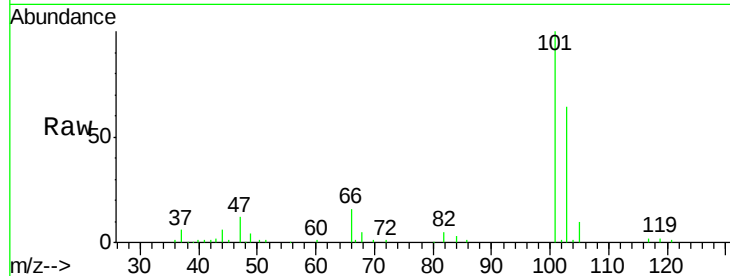
Trichlorofluoromethane
 Concen: 18.161 ug/l
 RT: 2.99 min Scan# 378
 Delta R.T. 0.00 min
 Lab File: VN057961.D
 Acq: 12 Sep 2019 11:36

Instrument :
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 VN0913WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.9	77.9

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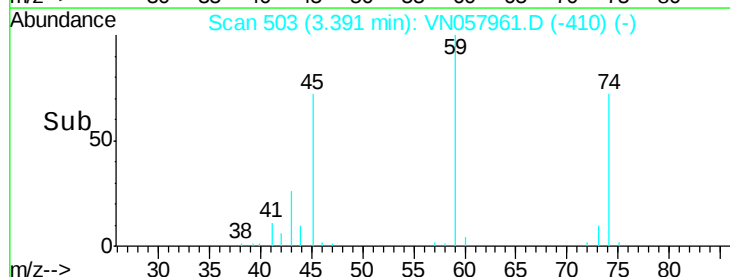
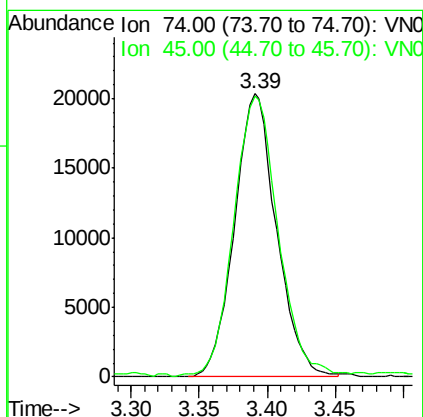
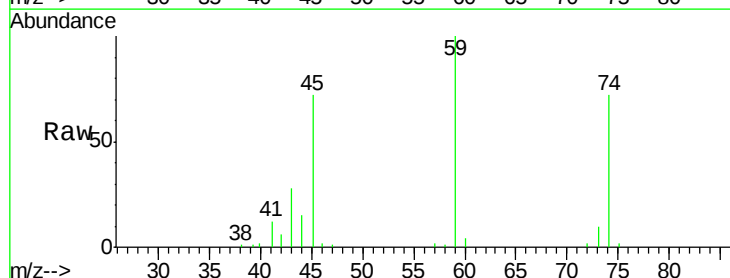
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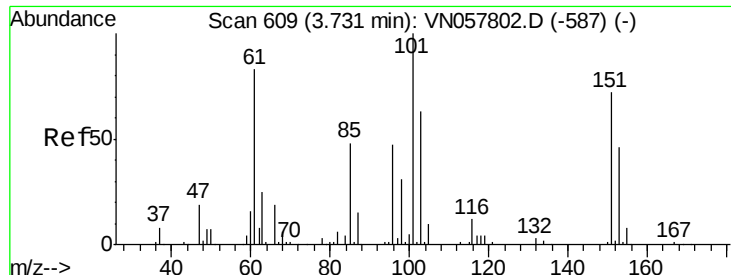


#8

Diethyl Ether
 Concen: 18.583 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN057961.D
 Acq: 12 Sep 2019 11:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.2	50.3	151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.066 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN057961.D

Acq: 12 Sep 2019 11:36

Instrument :

MSVOA_N

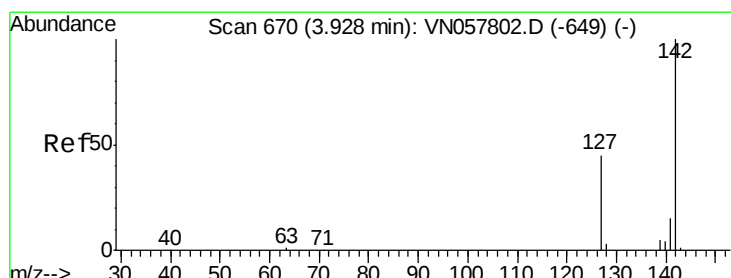
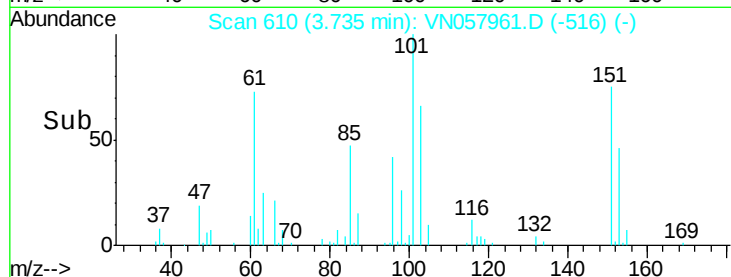
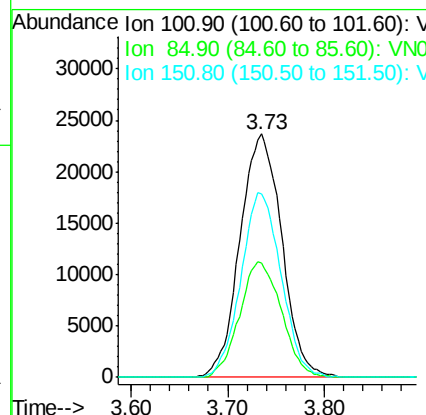
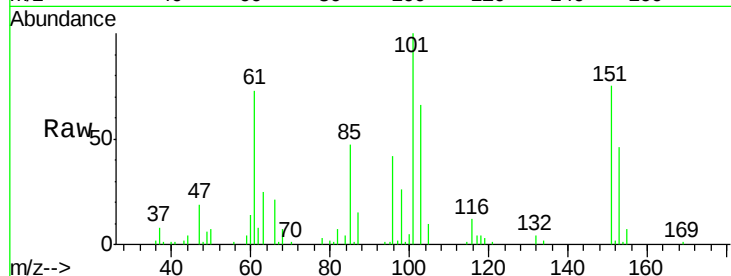
ClientSampleId :

VN0913WBS01

Tot Ion:	101	Resp:	71150
Ion Ratio	Lower	Upper	
101	100		
85	47.5	38.1	57.1
151	72.7	58.4	87.6

Manual Integrations
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#10

Methyl Iodide

Concen: 16.227 ug/l

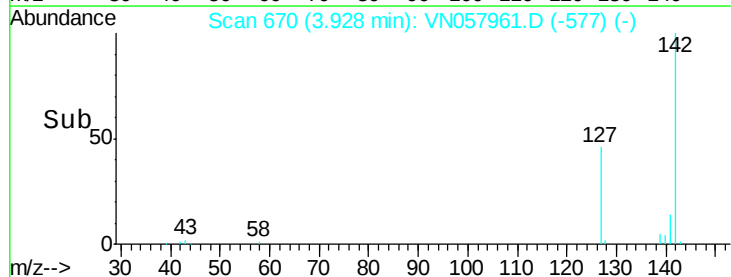
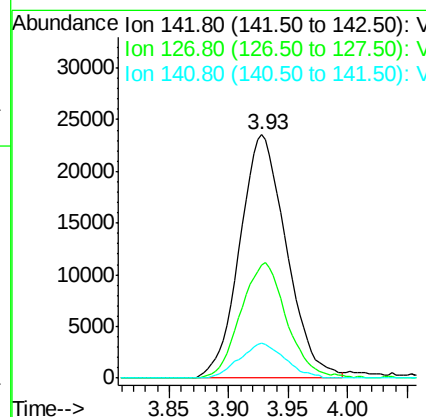
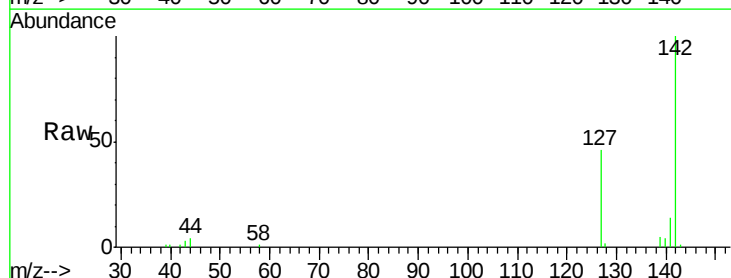
RT: 3.93 min Scan# 670

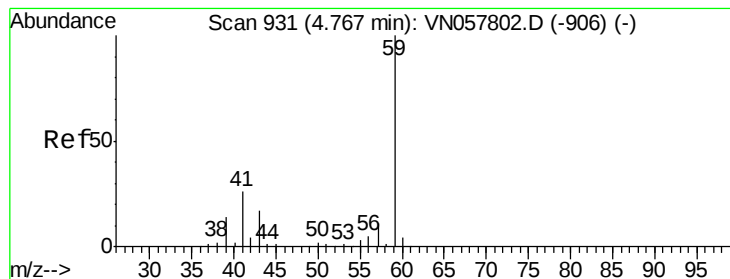
Delta R.T. 0.00 min

Lab File: VN057961.D

Acq: 12 Sep 2019 11:36

Tgt Ion:	142	Resp:	64029
Ion Ratio	Lower	Upper	
142	100		
127	46.5	36.7	55.1
141	13.9	11.4	17.0





#11

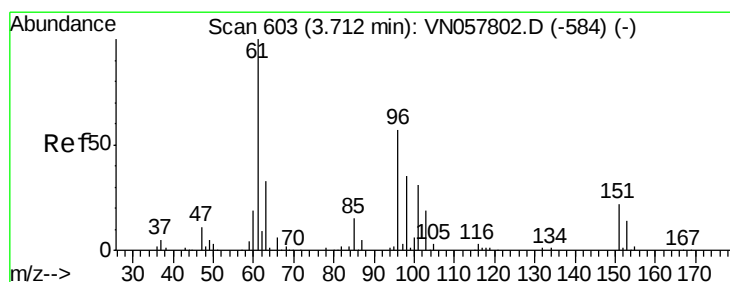
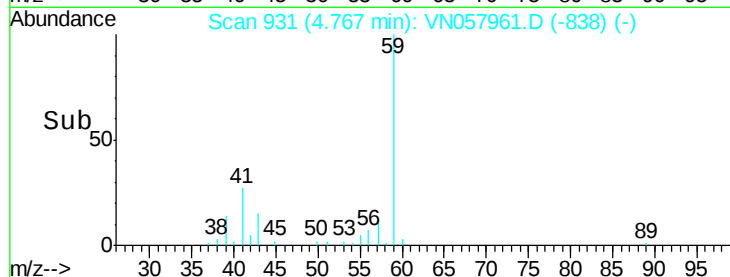
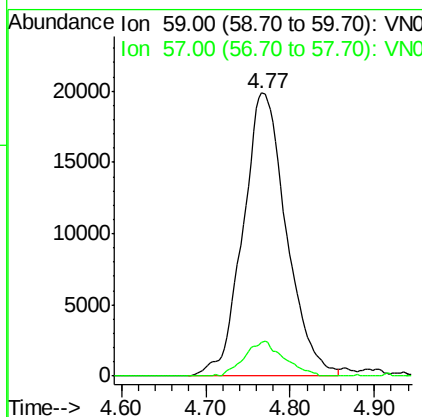
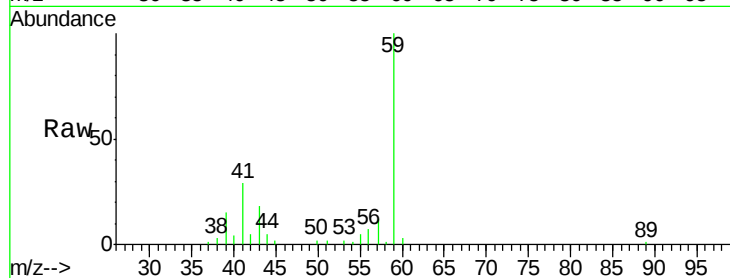
Tert butyl alcohol
 Concen: 97.009 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: VN057961.D
 Acq: 12 Sep 2019 11:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS01

Tot Ion: 59 Resp: 71200
 Ion Ratio Lower Upper
 59 100
 57 11.2 8.4 12.6

Manual Integrations
 APPROVED

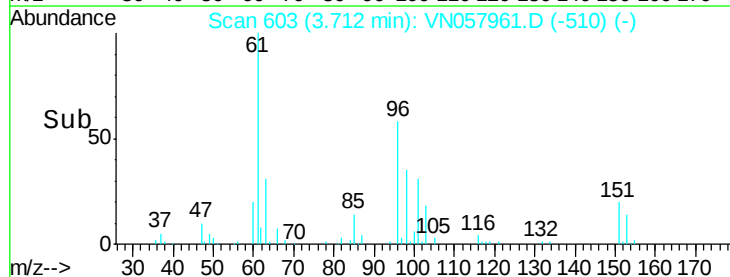
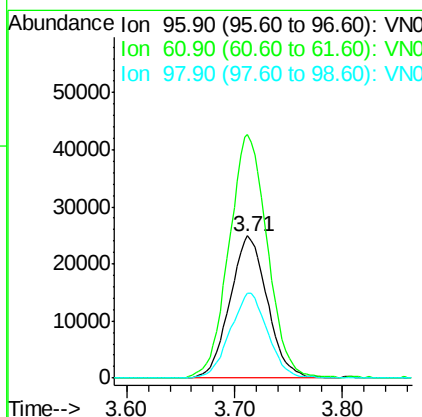
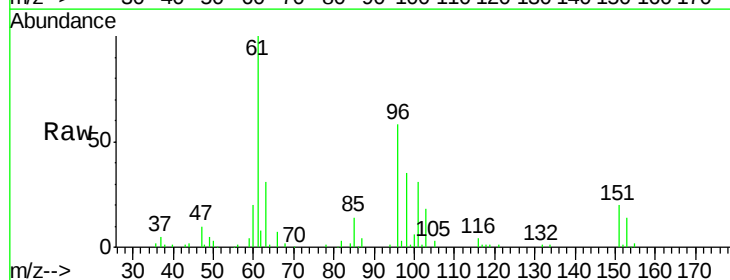
MMDadoda
 9/13/2019 1:05:32 PM

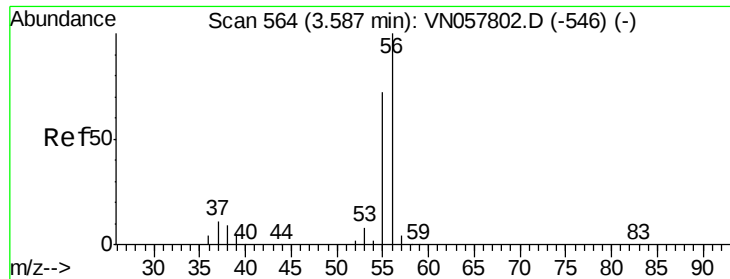


#12

1,1-Dichloroethene
 Concen: 18.924 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VN057961.D
 Acq: 12 Sep 2019 11:36

Tgt Ion: 96 Resp: 60331
 Ion Ratio Lower Upper
 96 100
 61 170.7 141.2 211.8
 98 60.1 49.9 74.9





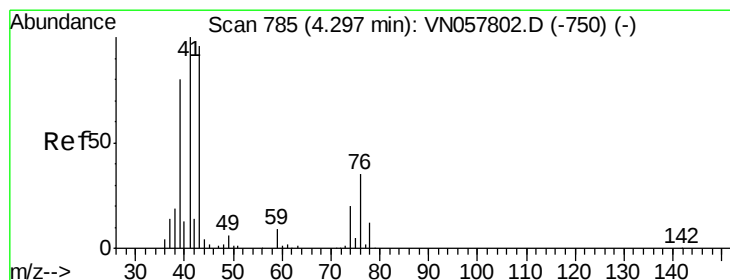
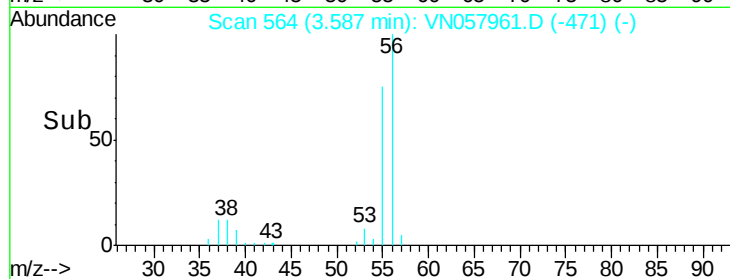
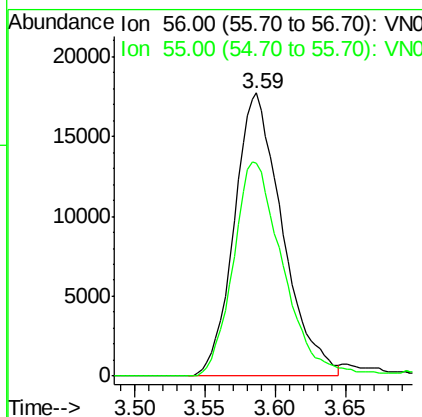
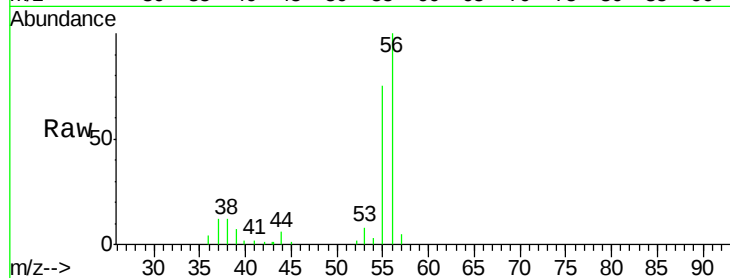
#13
Acrolein
Concen: 67.901 ug/l
RT: 3.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VN057961.D
Acq: 12 Sep 2019 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS01

Tot Ion	56	55	Resp	Lower	Upper
42281	100	78.4		57.3	85.9

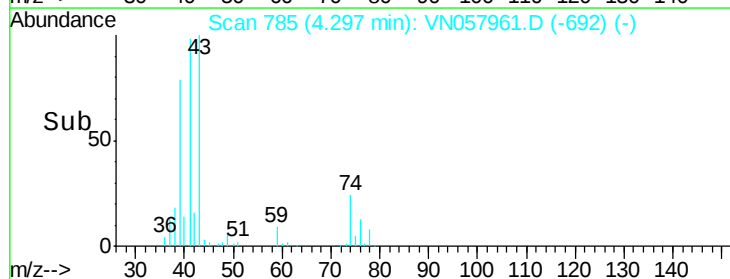
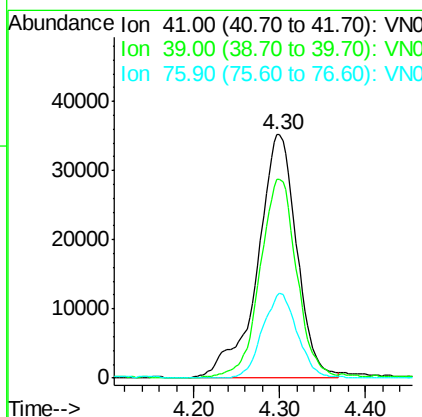
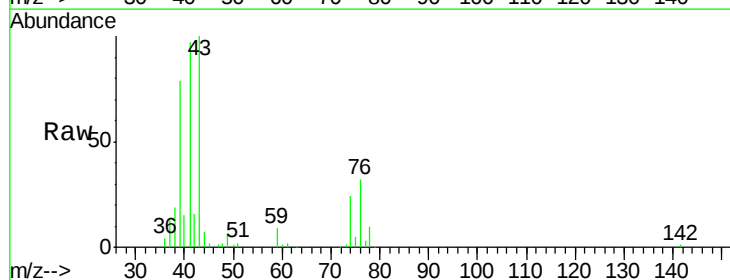
Manual Integrations
APPROVED

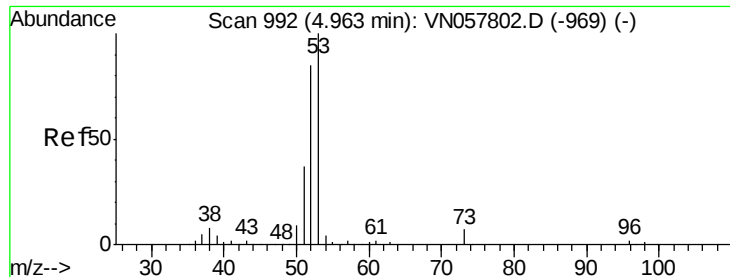
MMDadoda
9/13/2019 1:05:32 PM



#14
Allyl chloride
Concen: 17.953 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN057961.D
Acq: 12 Sep 2019 11:36

Tgt Ion	41	39	76	Resp	Lower	Upper
112010	100	76.3	30.8		59.4	89.2





#15

Acrylonitrile

Concen: 102.708 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN057961.D

Acq: 12 Sep 2019 11:36

Instrument :

MSVOA_N

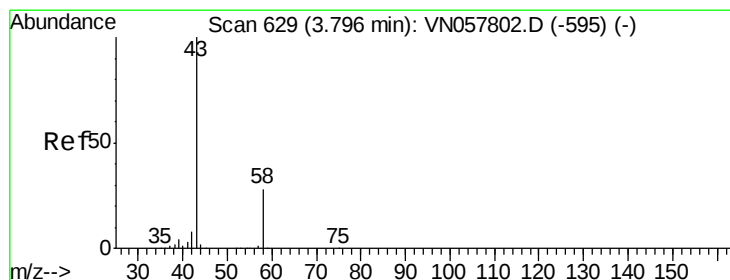
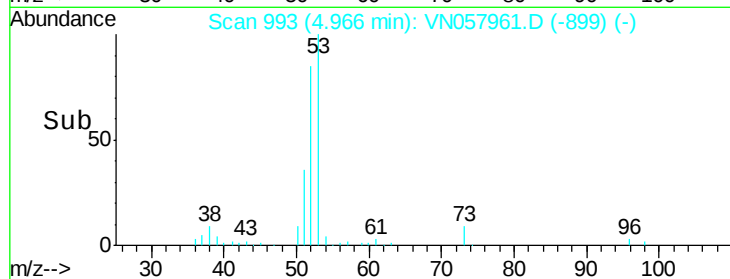
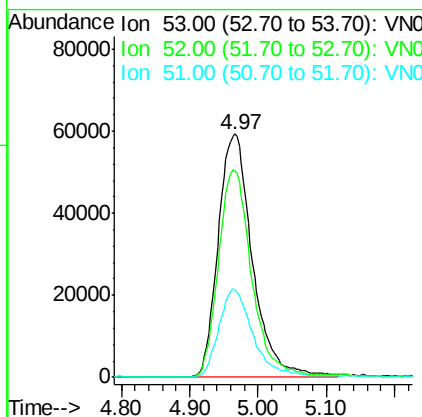
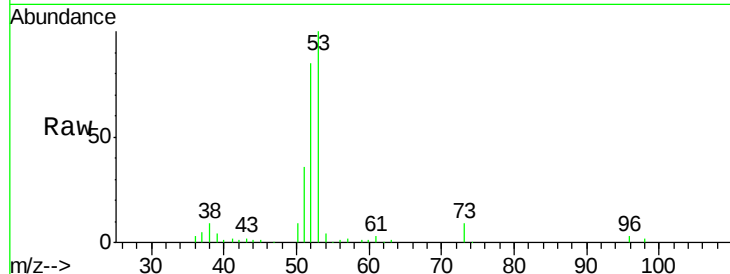
ClientSampleId :

VN0913WBS01

Tot Ion:	53	Resp:	207198
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.6	100.0
51	36.1	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 93.125 ug/l

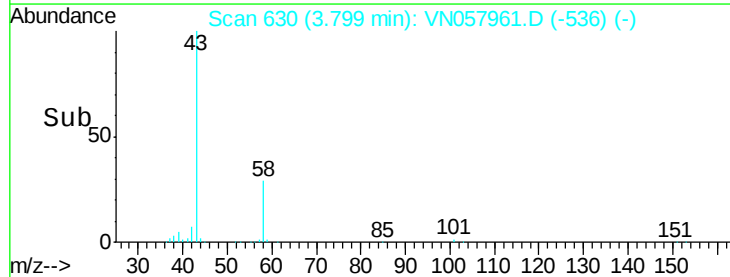
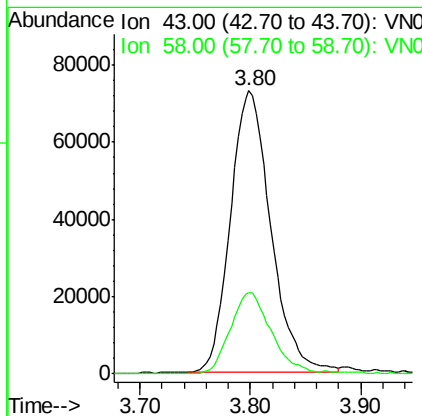
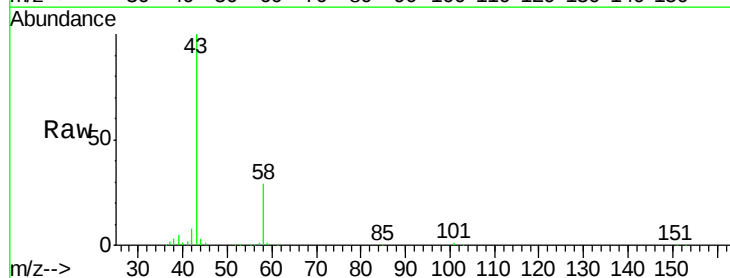
RT: 3.80 min Scan# 630

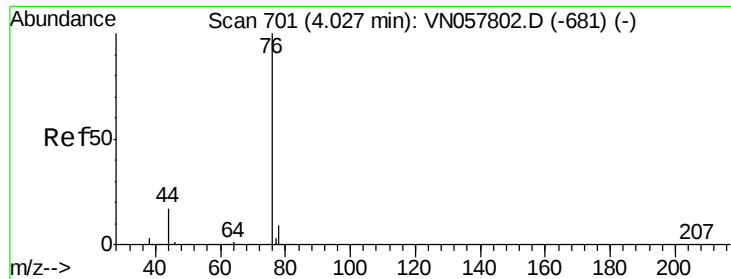
Delta R.T. 0.00 min

Lab File: VN057961.D

Acq: 12 Sep 2019 11:36

Tgt Ion:	43	Resp:	185126
Ion	Ratio	Lower	Upper
43	100		
58	29.0	22.2	33.2





#17

Carbon Disulfide

Concen: 16.896 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN057961.D

Acq: 12 Sep 2019 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS01

Tot Ion: 76 Resp: 83316

Ion Ratio Lower Upper

76 100

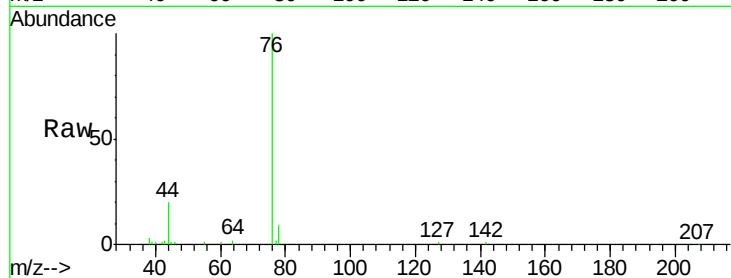
78 8.5 7.1 10.7

Manual Integrations

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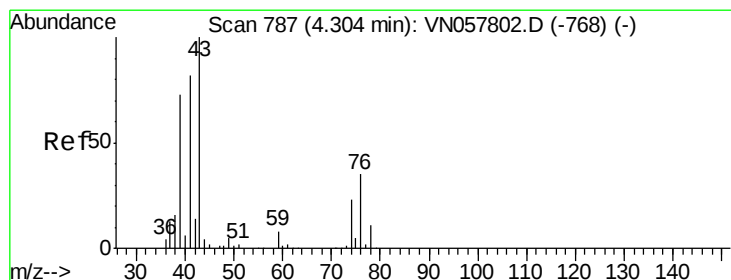
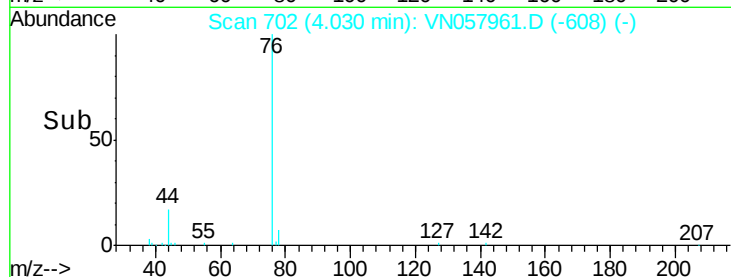
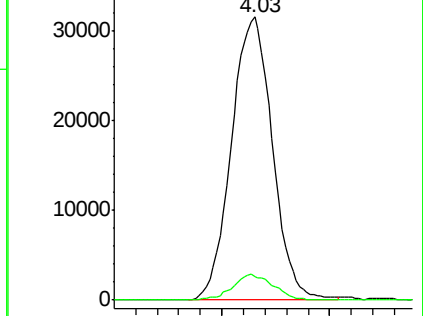
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 21.942 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN057961.D

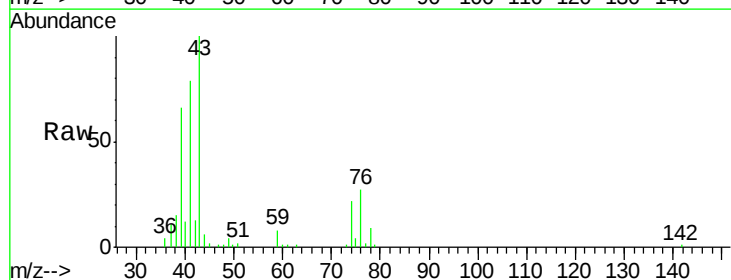
Acq: 12 Sep 2019 11:36

Tgt Ion: 43 Resp: 116302

Ion Ratio Lower Upper

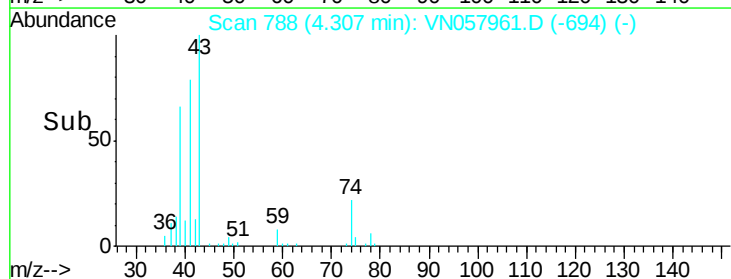
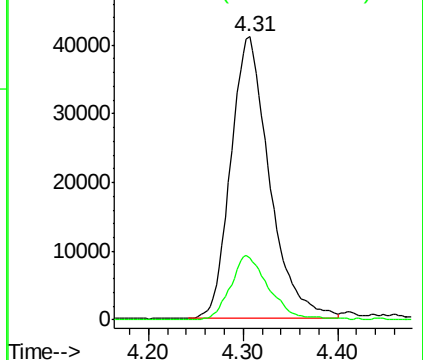
43 100

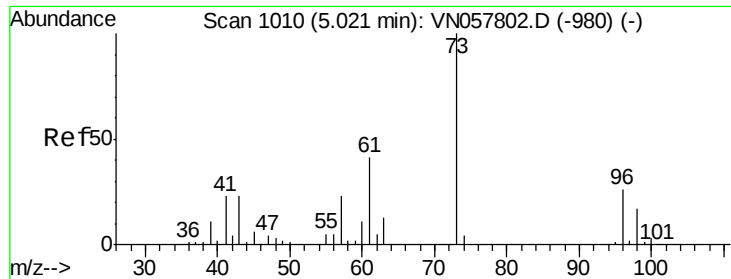
74 22.5 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





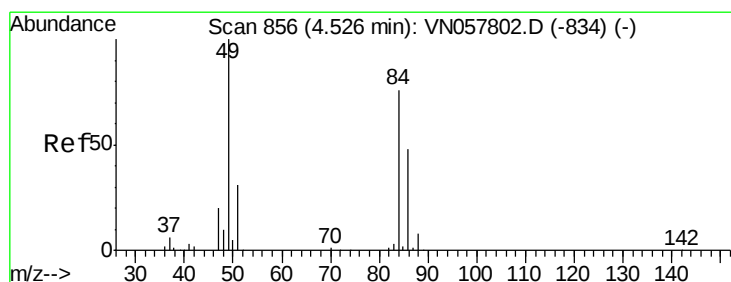
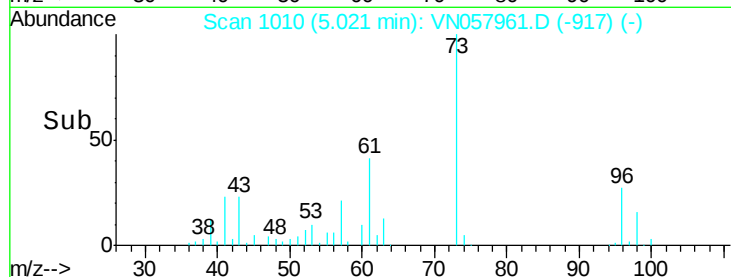
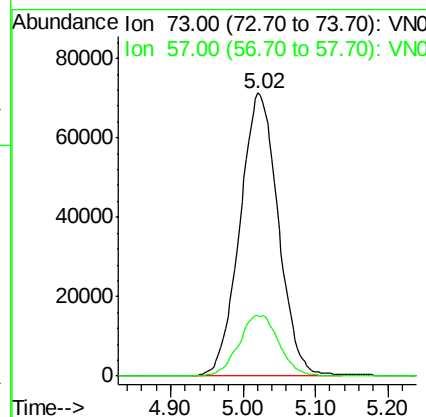
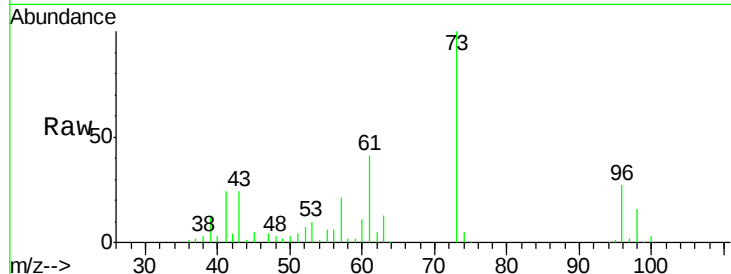
#19
Methvl tert-butvl Ether
Concen: 19.801 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN057961.D
Acq: 12 Sep 2019 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS01

Tot Ion: 73 Resp: 262711
Ion Ratio Lower Upper
73 100
57 21.3 18.2 27.2

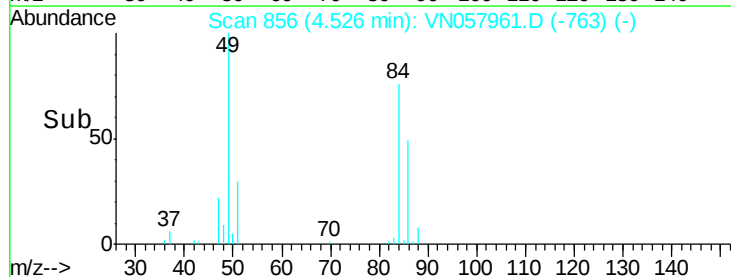
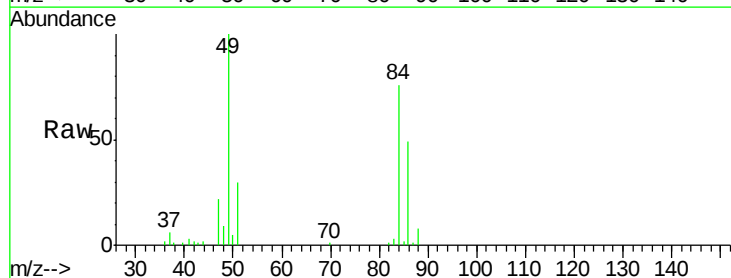
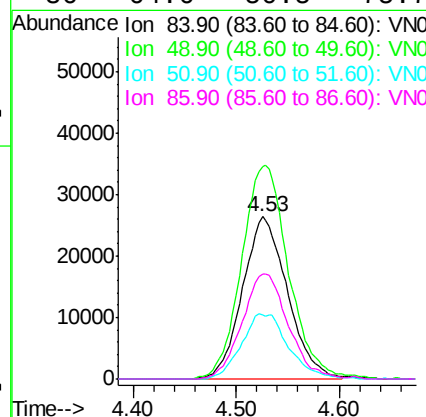
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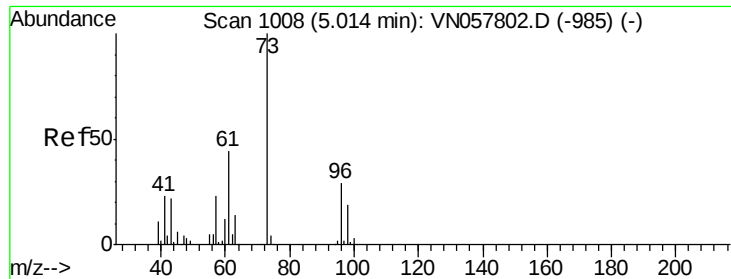
MMDadoda
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#20
Methylene Chloride
Concen: 20.381 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN057961.D
Acq: 12 Sep 2019 11:36

Tgt Ion: 84 Resp: 79890
Ion Ratio Lower Upper
84 100
49 131.1 104.8 157.2
51 39.5 33.0 49.4
86 64.6 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 18.671 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN057961.D

Acq: 12 Sep 2019 11:36

Instrument :

MSVOA_N

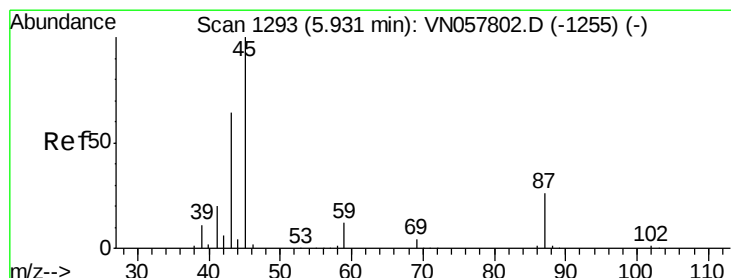
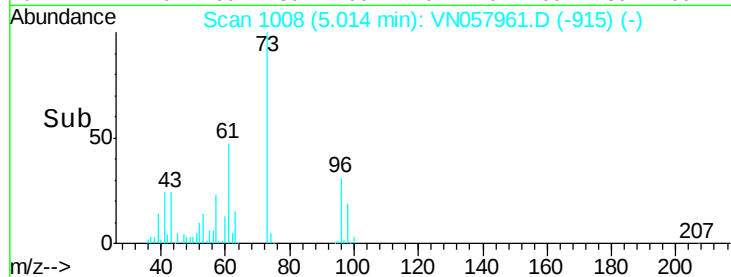
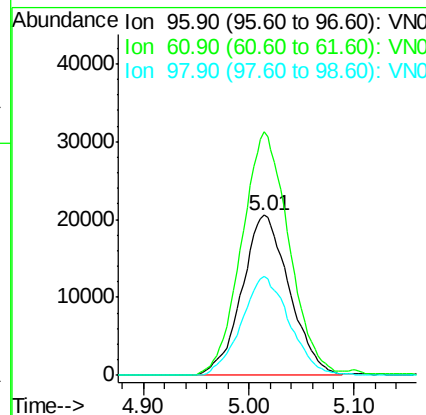
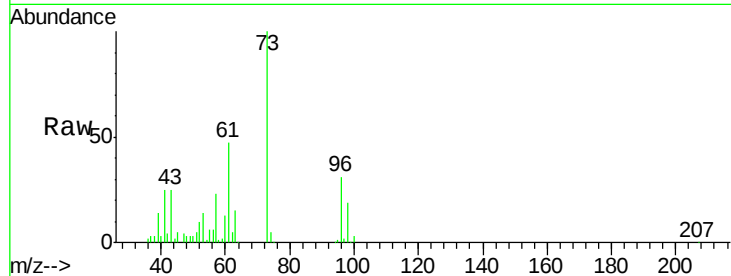
ClientSampleId :

VN0913WBS01

Tot Ion:	96	Resp:	64345
Ion	Ratio	Lower	Upper
96	100		
61	152.4	121.9	182.9
98	61.9	52.2	78.4

Manual Integrations
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MMDadoda
9/13/2019 1:05:32 PM



#22

Diisopropyl ether

Concen: 19.846 ug/l

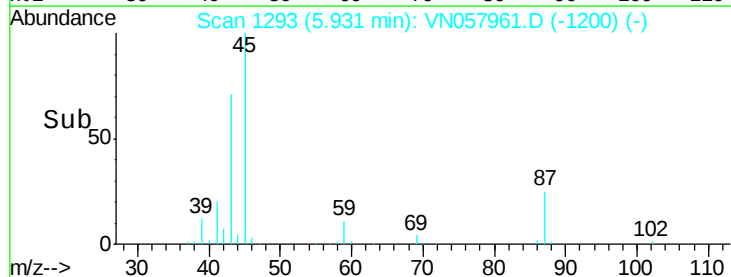
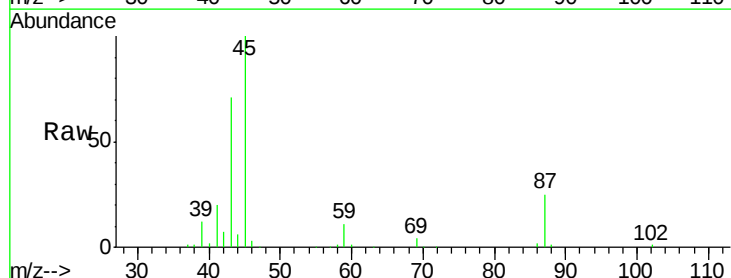
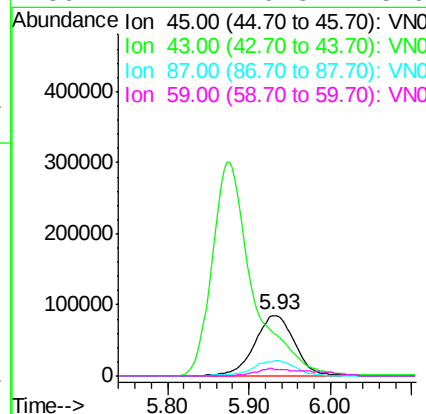
RT: 5.93 min Scan# 1293

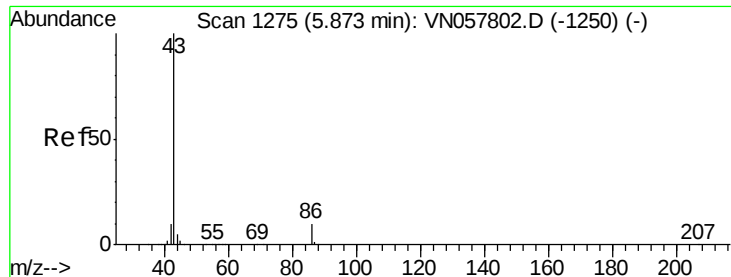
Delta R.T. 0.00 min

Lab File: VN057961.D

Acq: 12 Sep 2019 11:36

Tgt Ion:	45	Resp:	290375
Ion	Ratio	Lower	Upper
45	100		
43	66.6	51.4	77.2
87	24.4	21.3	31.9
59	11.2	9.3	13.9





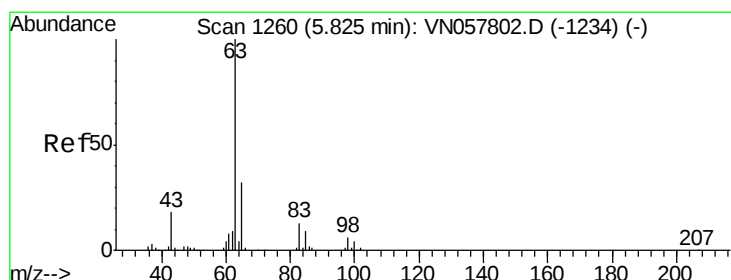
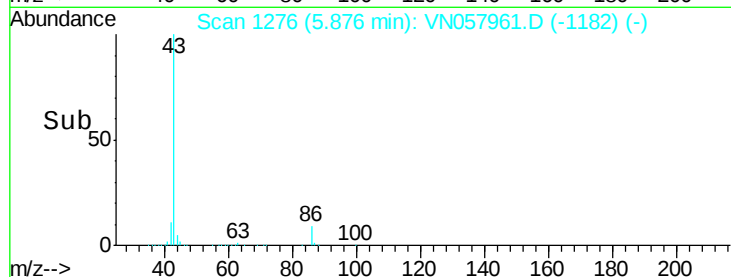
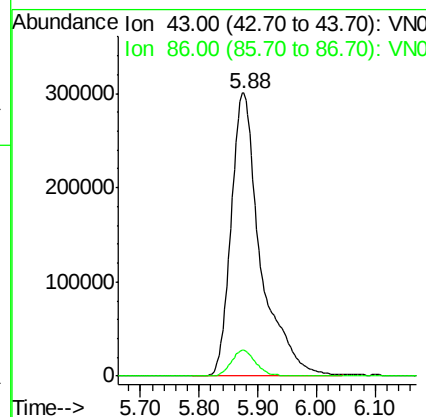
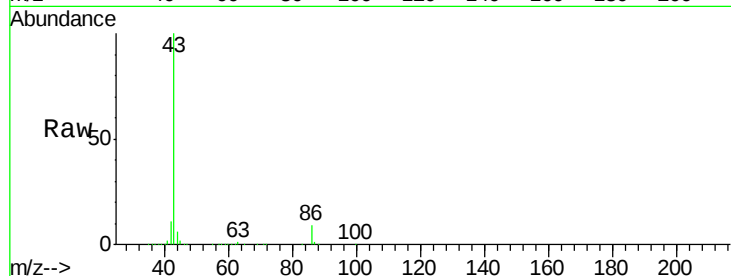
#23
 Vinyl Acetate
 Concen: 101.014 ug/l
 RT: 5.88 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN057961.D
 Acq: 12 Sep 2019 11:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS01

Tot Ion: 43 Resp: 1047440
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.7 11.5

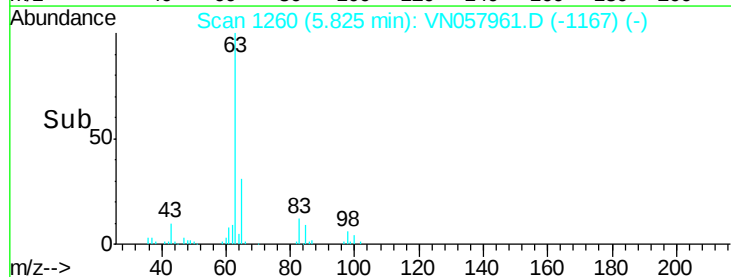
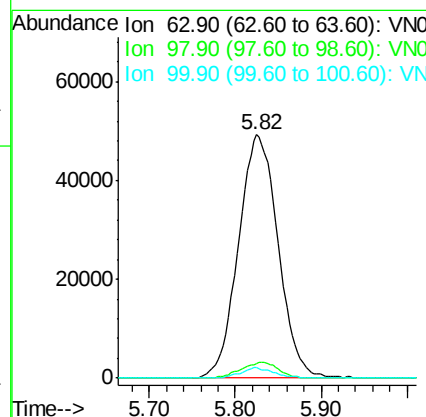
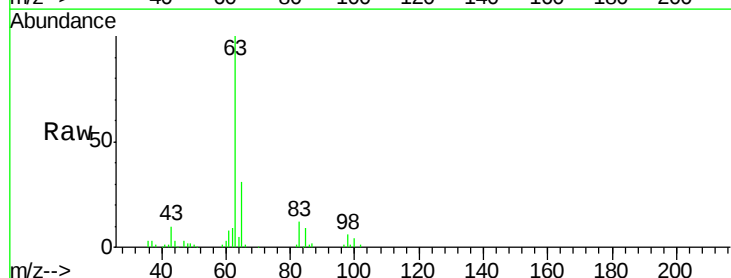
Manual Integrations
 APPROVED

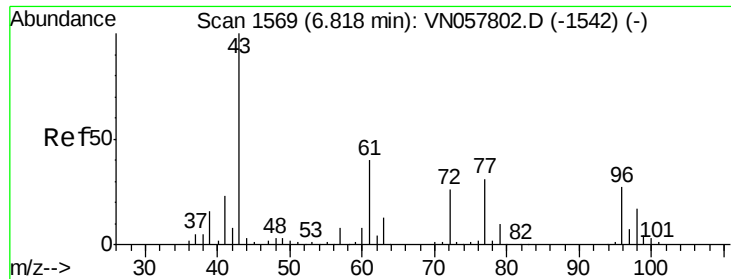
MMDadoda
 9/13/2019 1:05:32 PM



#24
 1,1-Dichloroethane
 Concen: 19.701 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VN057961.D
 Acq: 12 Sep 2019 11:36

Tgt Ion: 63 Resp: 157536
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.0 9.2
 100 4.3 2.0 5.8





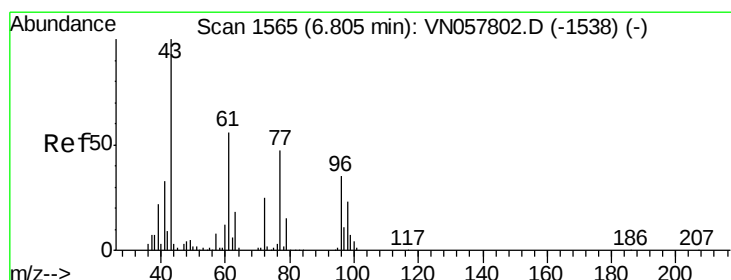
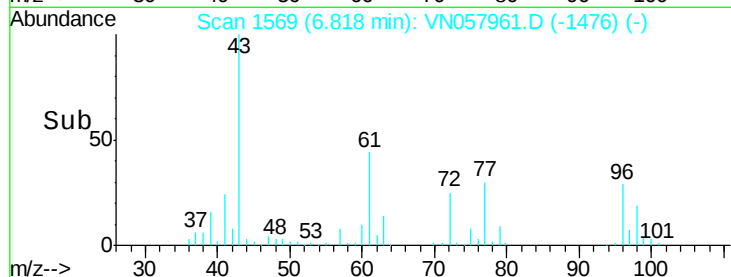
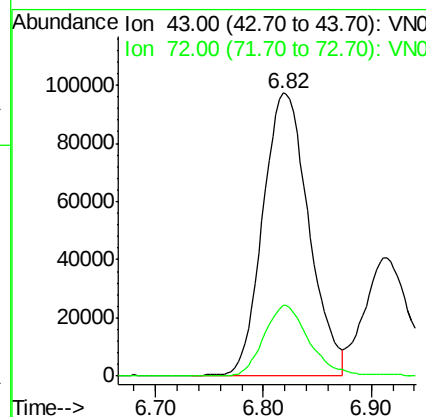
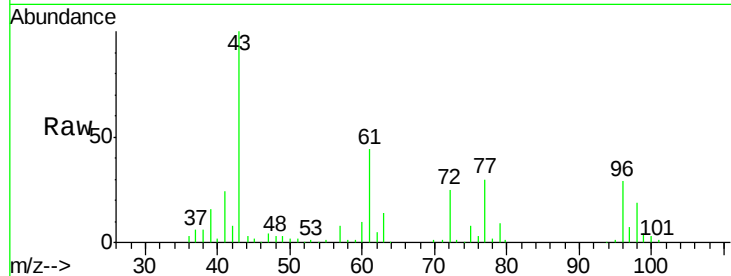
#25
2-Butanone
Concen: 99.536 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN057961.D
Acq: 12 Sep 2019 11:36

Instrument :
MSVOA_N
ClientSampled :
VN0913WBS01

Tot Ion: 43 Resp: 286388
Ion Ratio Lower Upper
43 100
72 25.0 20.6 30.8

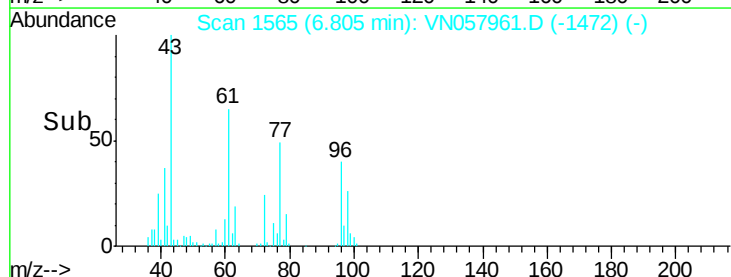
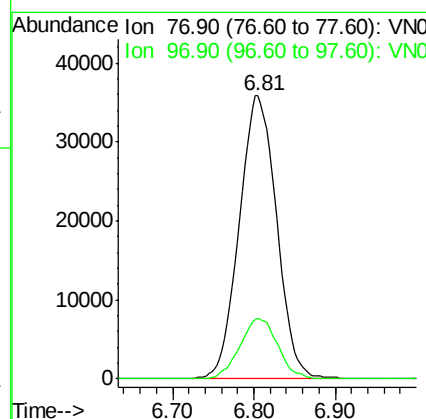
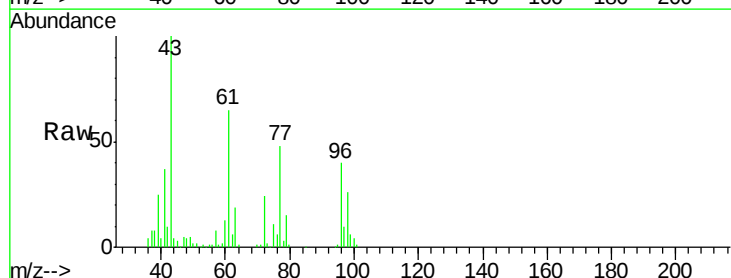
Manual Integrations
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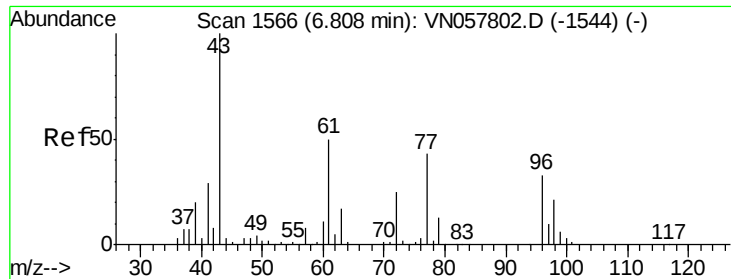
MMDadoda
9/13/2019 1:05:32 PM



#26
2,2-Dichloropropane
Concen: 17.991 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VN057961.D
Acq: 12 Sep 2019 11:36

Tgt Ion: 77 Resp: 113848
Ion Ratio Lower Upper
77 100
97 21.5 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 19.236 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN057961.D

Acq: 12 Sep 2019 11:36

Instrument :

MSVOA_N

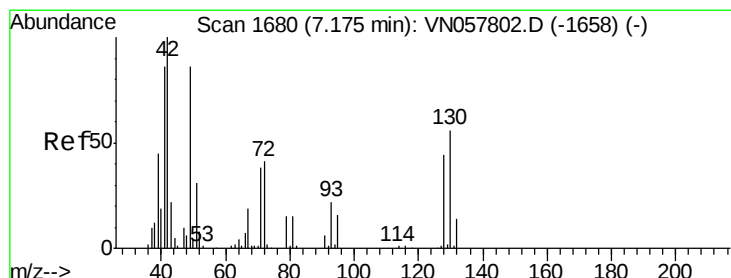
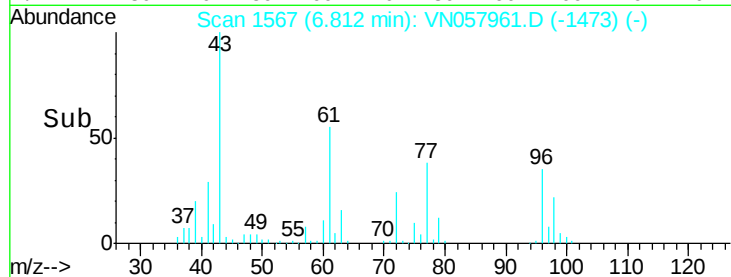
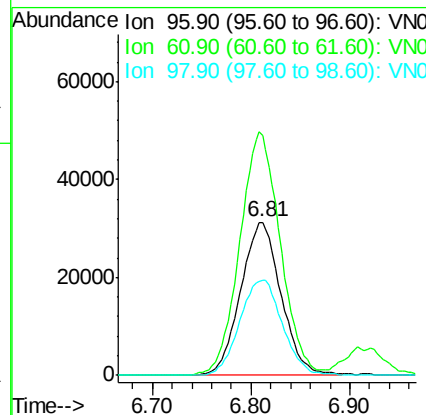
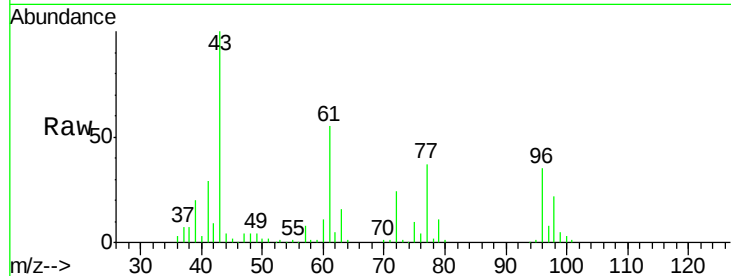
ClientSampleId :

VN0913WBS01

Tot Ion:	96	Resp:	88843
Ion	Ratio	Lower	Upper
96	100		
61	158.5	0.0	314.0
98	65.3	0.0	128.6

Manual Integrations
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MMDadoda
9/13/2019 1:05:32 PM



#28

Bromochloromethane

Concen: 19.871 ug/l

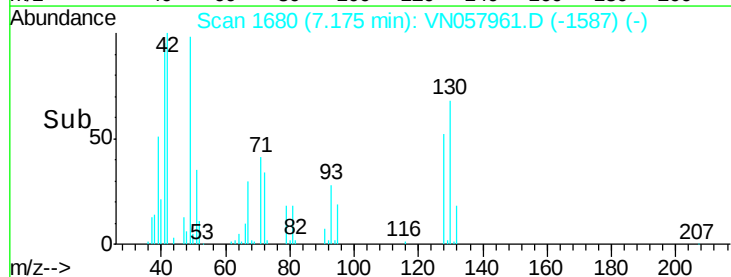
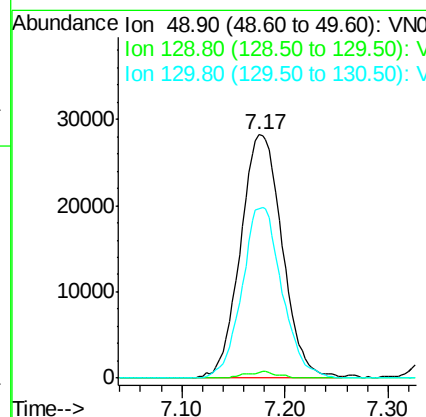
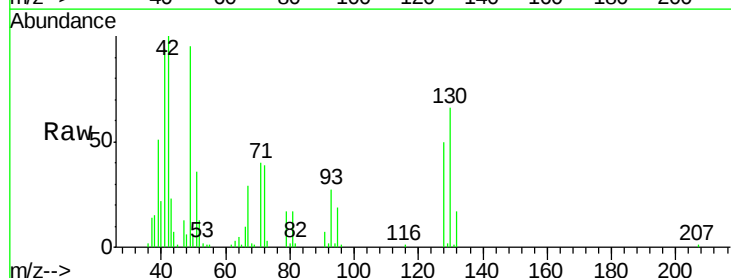
RT: 7.17 min Scan# 1680

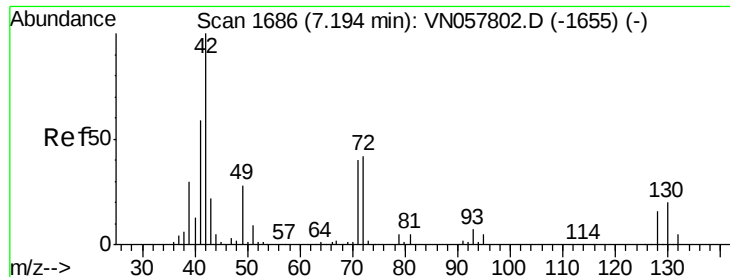
Delta R.T. 0.00 min

Lab File: VN057961.D

Acq: 12 Sep 2019 11:36

Tgt Ion:	49	Resp:	79381
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	67.1	53.0	79.6





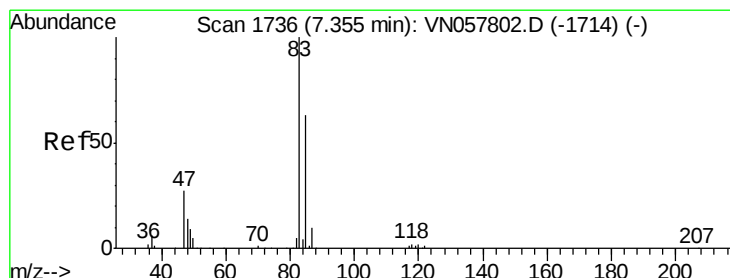
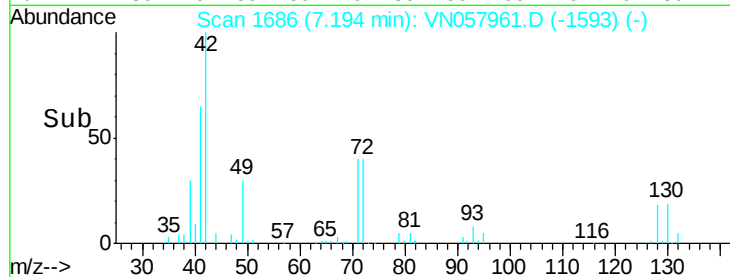
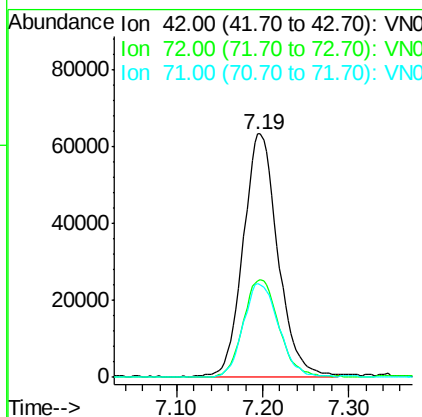
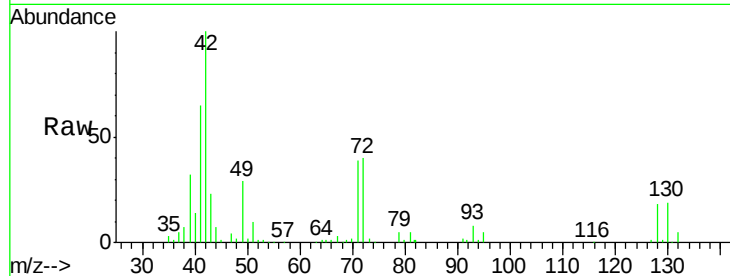
#29
Tetrahydrofuran
Concen: 99.937 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN057961.D
Acq: 12 Sep 2019 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	33.7	50.5
71	39.9	31.9	47.9

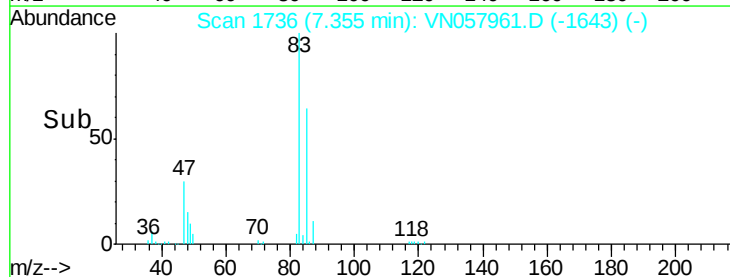
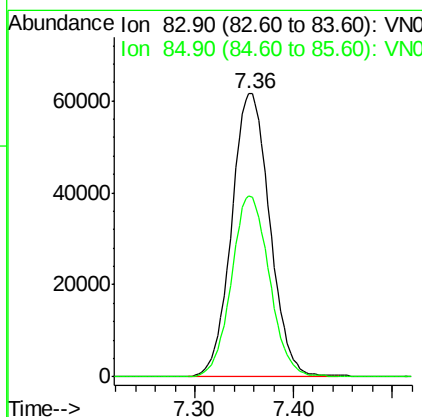
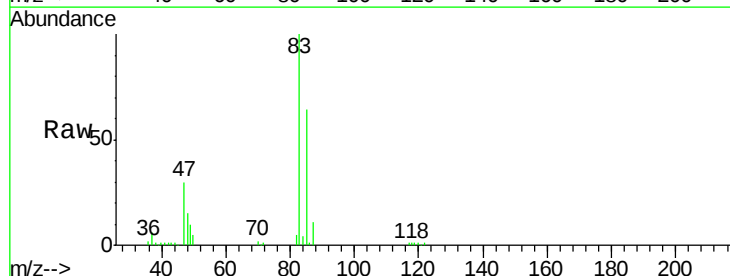
Manual Integrations
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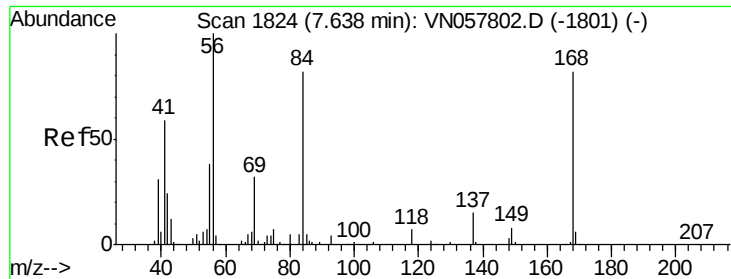
MMDadoda
9/13/2019 1:05:32 PM



#30
Chloroform
Concen: 19.793 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057961.D
Acq: 12 Sep 2019 11:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.6	75.8





#31

Cyclohexane

Concen: 19.679 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN057961.D

Acq: 12 Sep 2019 11:36

Instrument :

MSVOA_N

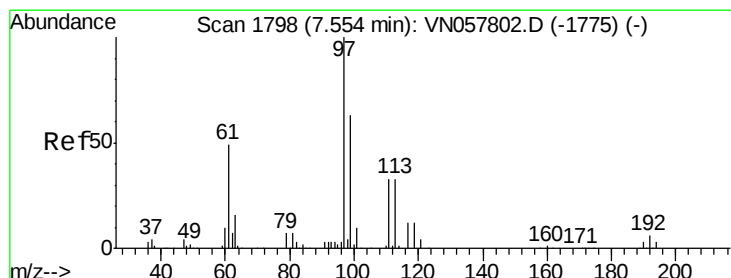
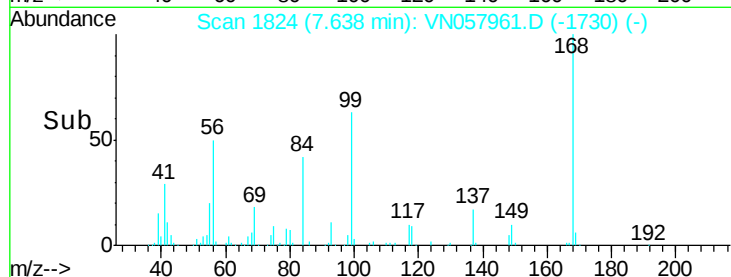
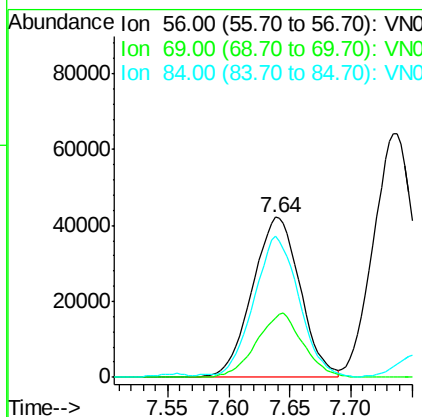
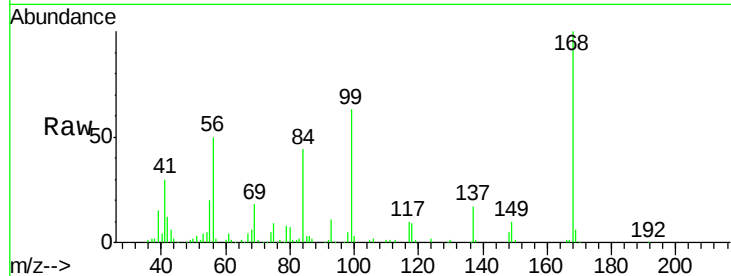
ClientSampleId :

VN0913WBS01

Tot Ion:	56	Resp:	114624
Ion Ratio	Lower	Upper	
56	100		
69	37.0	25.9	38.9
84	86.8	65.6	98.4

Manual Integrations
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9/13/2019 1:05:32 PM



#32

1,1,1-Trichloroethane

Concen: 18.865 ug/l

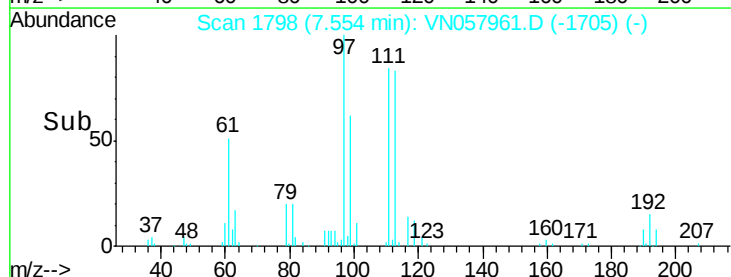
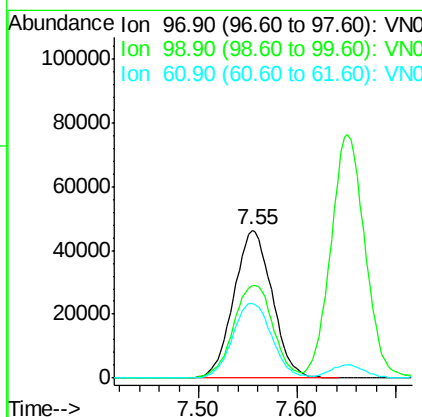
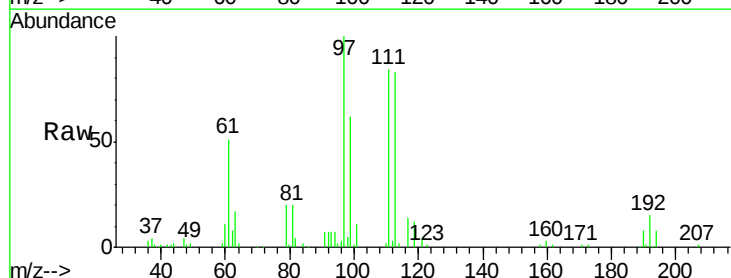
RT: 7.55 min Scan# 1798

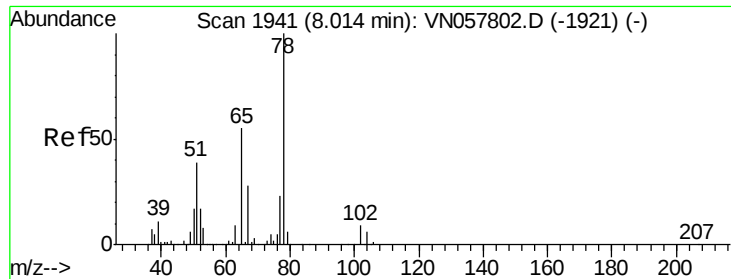
Delta R.T. 0.00 min

Lab File: VN057961.D

Acq: 12 Sep 2019 11:36

Tgt Ion:	97	Resp:	125098
Ion Ratio	Lower	Upper	
97	100		
99	64.8	51.0	76.4
61	51.7	39.0	58.6





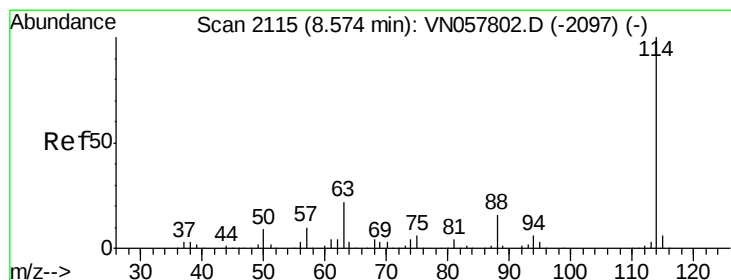
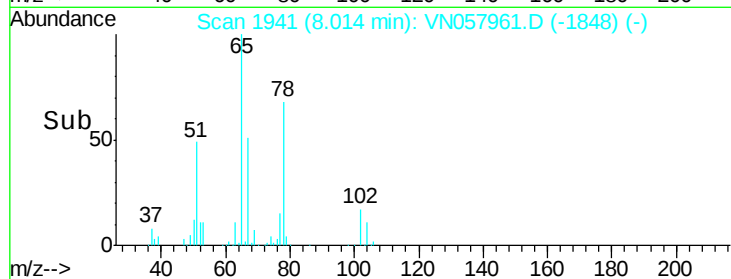
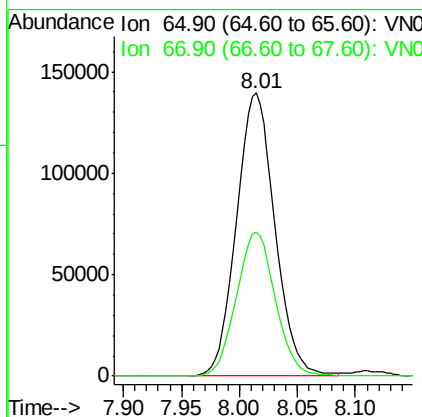
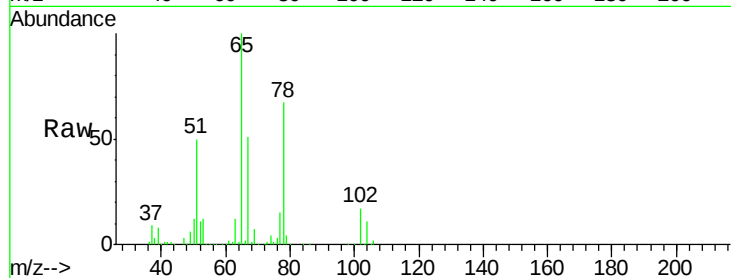
#33
 1,2-Dichloroethane-d4
 Concen: 52.840 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057961.D
 Acq: 12 Sep 2019 11:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	320427		
67	51.6	0.0	104.0	

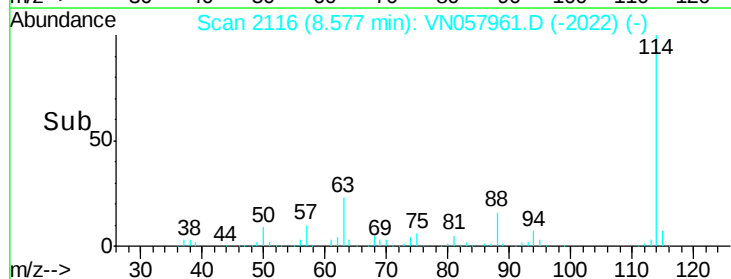
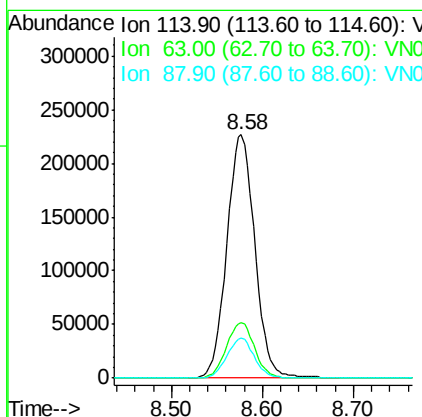
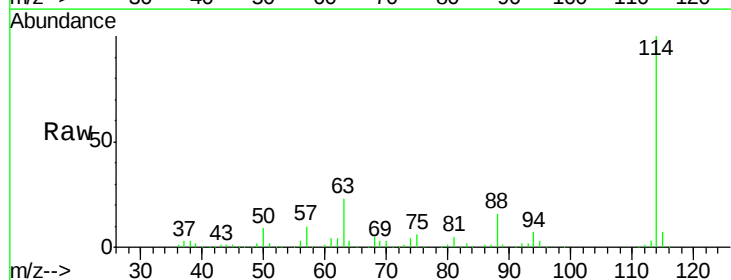
Manual Integrations
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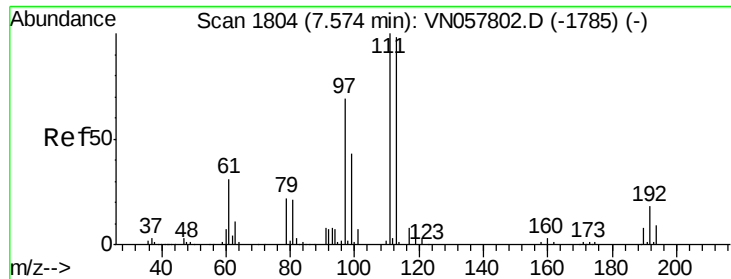
MMDadoda
 9/13/2019 1:05:32 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057961.D
 Acq: 12 Sep 2019 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	485156		
63	22.8	0.0	44.0	
88	16.4	0.0	31.4	





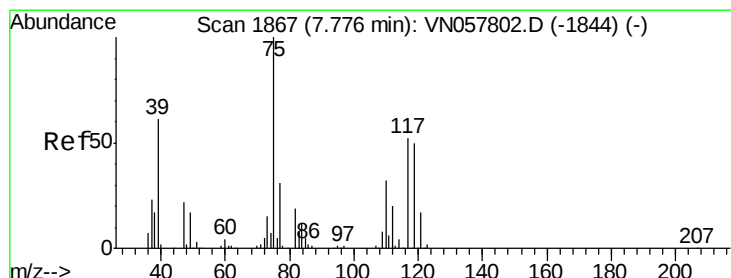
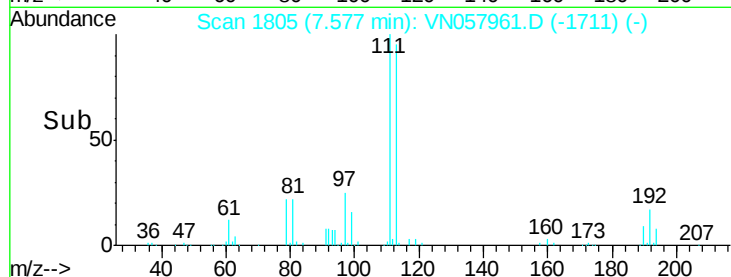
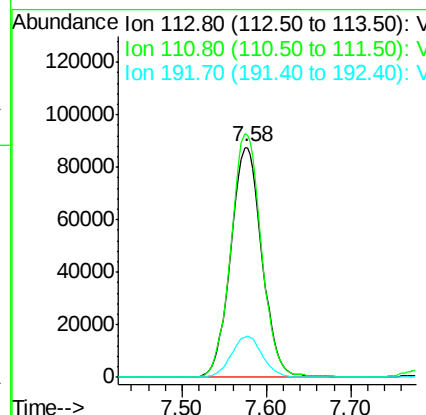
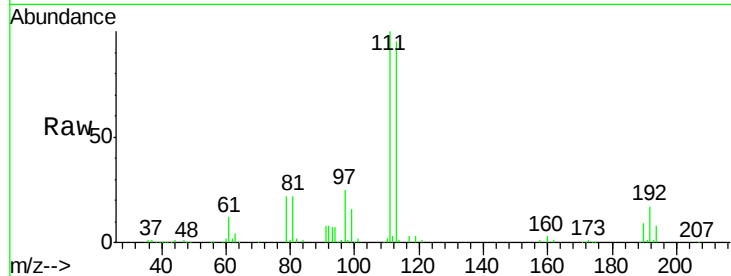
#35
 Dibromofluoromethane
 Concen: 50.348 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057961.D
 Acq: 12 Sep 2019 11:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	225447		
111	103.9	81.3	121.9	
192	17.9	14.6	22.0	

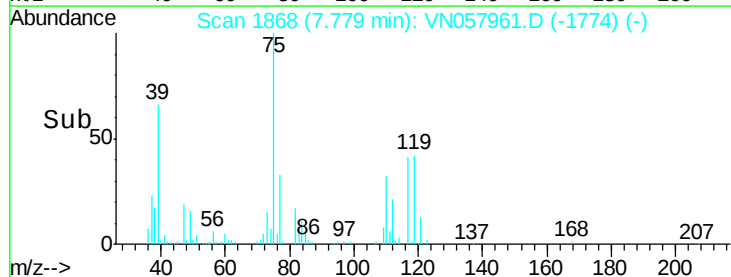
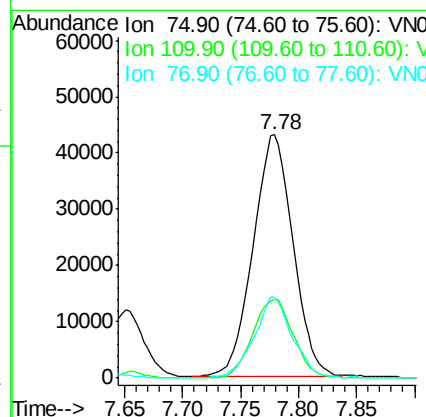
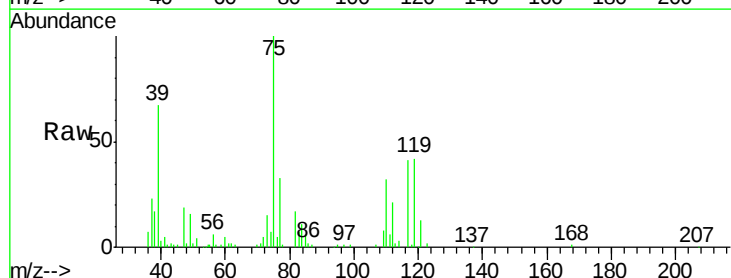
Manual Integrations
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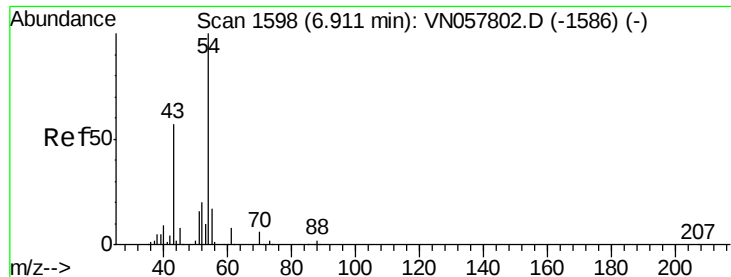
MMDadoda
 9/13/2019 1:05:32 PM



#36
 1,1-Dichloropropene
 Concen: 18.368 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057961.D
 Acq: 12 Sep 2019 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	103347		
110	33.0	16.3	48.9	
77	32.1	25.0	37.4	





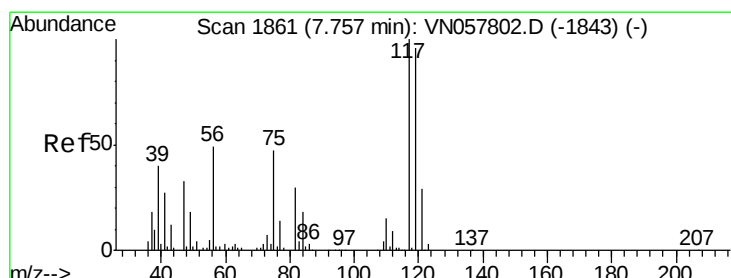
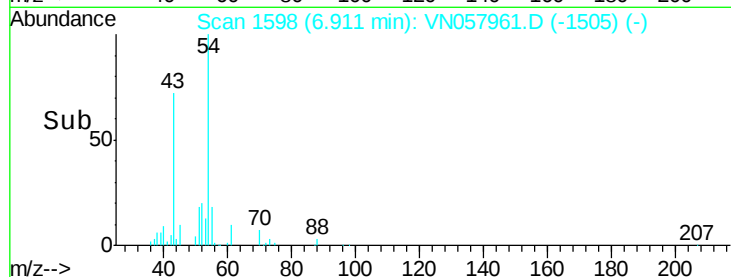
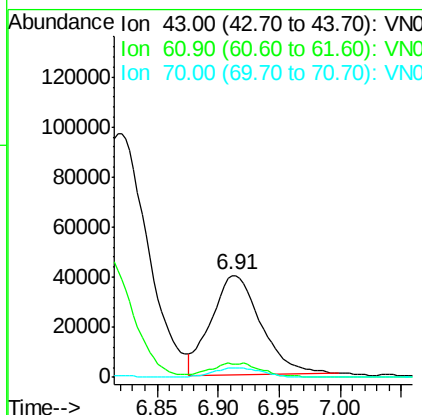
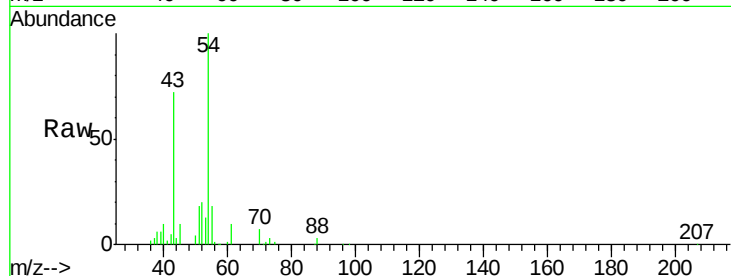
#37
Ethyl Acetate
Concen: 19.443 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN057961.D
Acq: 12 Sep 2019 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	5.2	10.5	15.7#	
70	9.5	7.4	11.0	

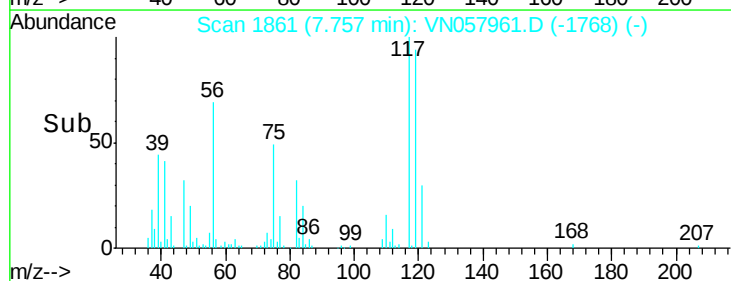
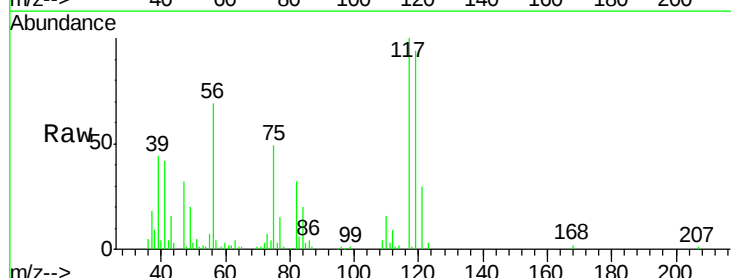
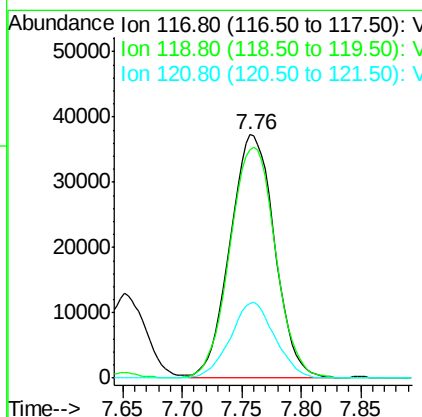
Manual Integrations
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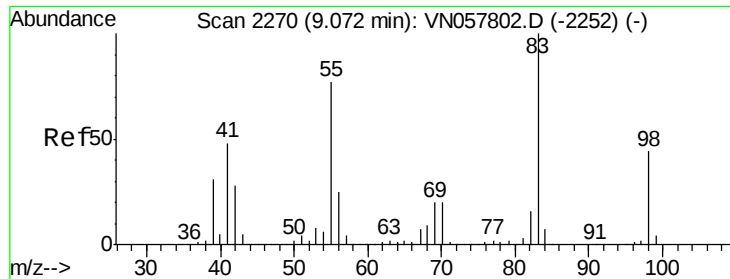
MMDadoda
9/13/2019 1:05:32 PM



#38
Carbon Tetrachloride
Concen: 18.821 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057961.D
Acq: 12 Sep 2019 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	93.9	76.9	115.3	
121	30.5	23.4	35.2	





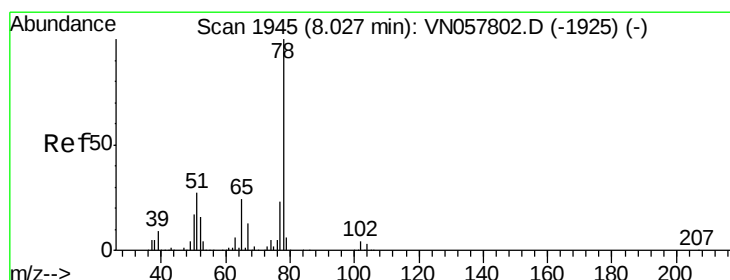
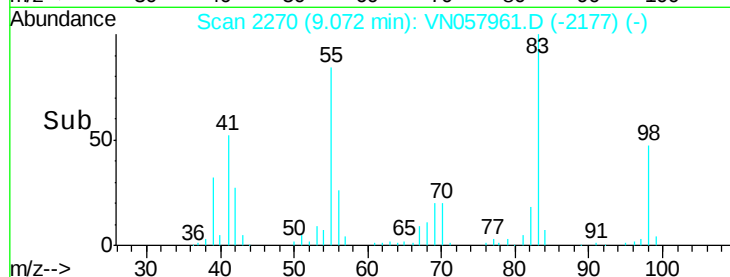
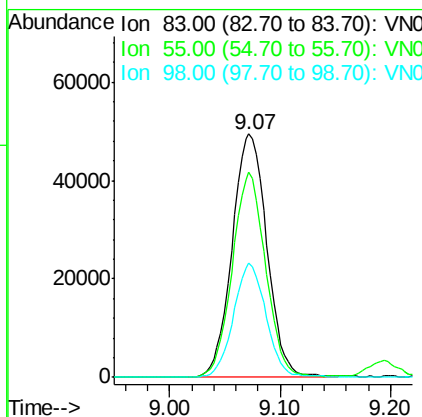
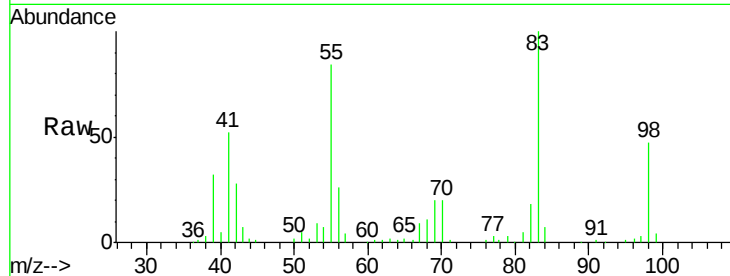
#39
Methvlcvclohexane
Concen: 18.276 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057961.D
Acq: 12 Sep 2019 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	84.5	61.6	92.4	
98	46.9	34.9	52.3	

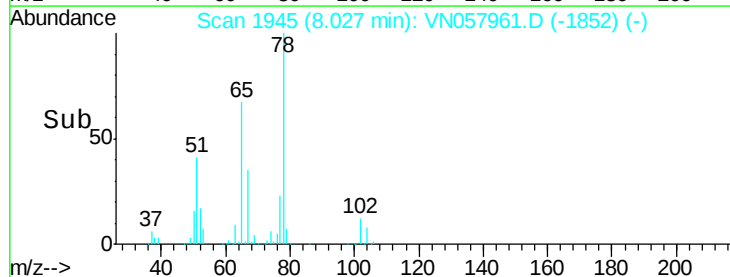
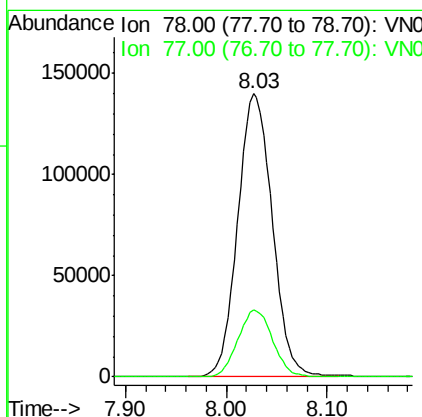
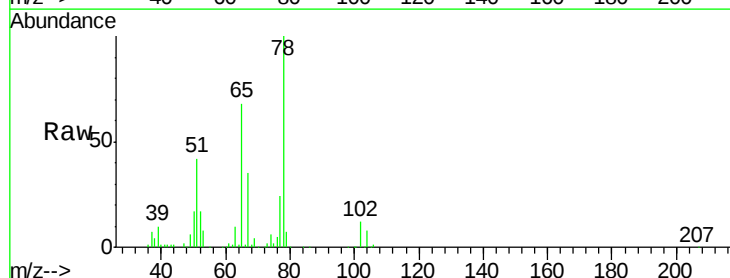
Manual Integrations
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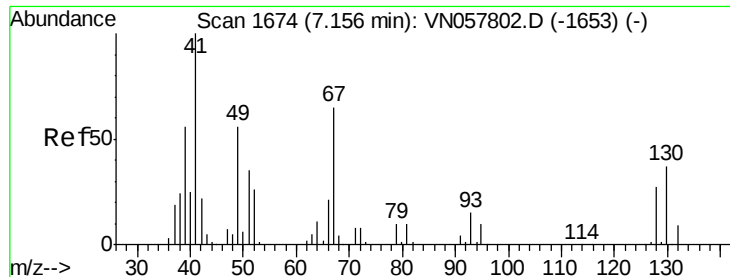
MMDadoda
9/13/2019 1:05:32 PM



#40
Benzene
Concen: 19.594 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057961.D
Acq: 12 Sep 2019 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.6	18.3	27.5	





#41

Methacrylonitrile

Concen: 20.326 ug/l

RT: 7.16 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VN057961.D

Acq: 12 Sep 2019 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS01

Tot Ion: 41 Resp: 53636

Ion Ratio Lower Upper

41 100

39 68.3 51.0 76.6

67 86.5 70.7 106.1

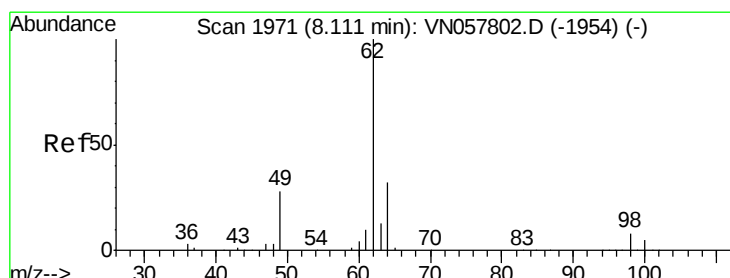
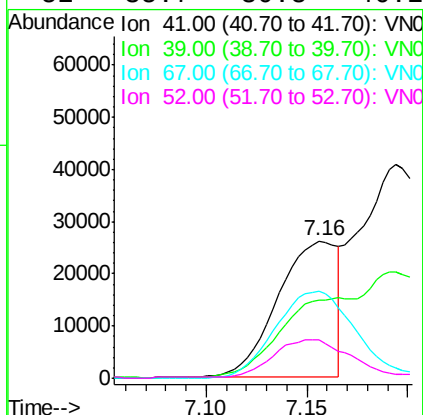
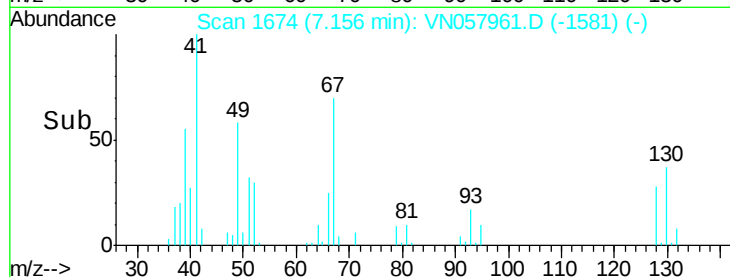
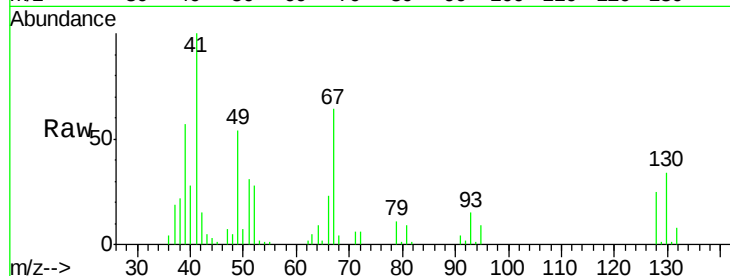
52 35.7 30.8 46.2

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 20.412 ug/l

RT: 8.11 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VN057961.D

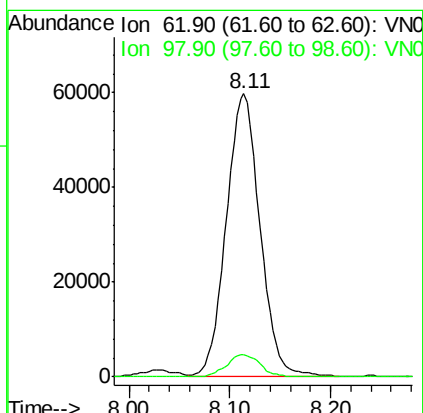
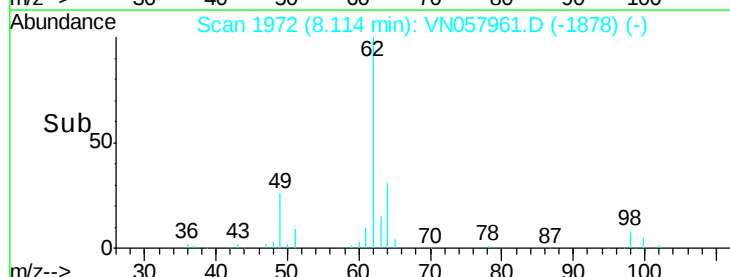
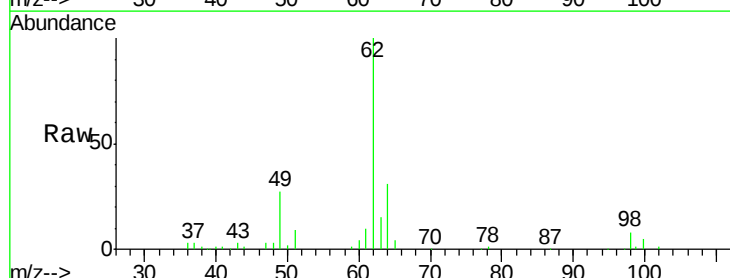
Acq: 12 Sep 2019 11:36

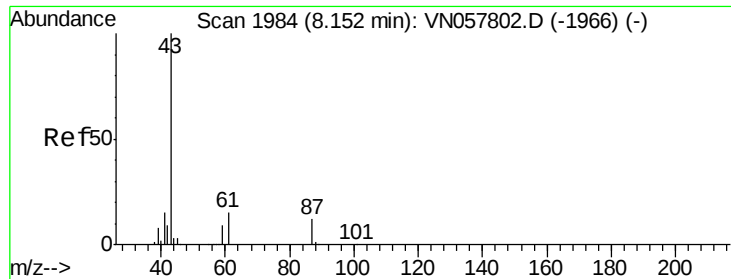
Tgt Ion: 62 Resp: 138285

Ion Ratio Lower Upper

62 100

98 7.9 0.0 15.8





#43

Isopropyl Acetate

Concen: 19.816 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057961.D

Acq: 12 Sep 2019 11:36

Instrument :

MSVOA_N

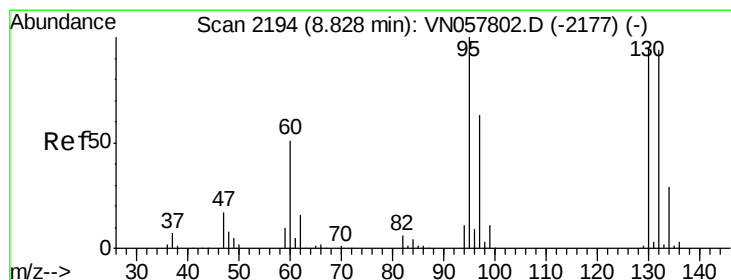
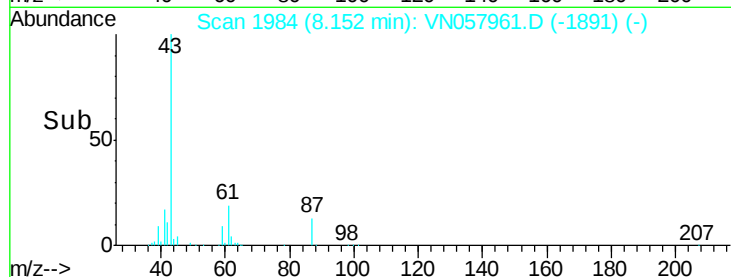
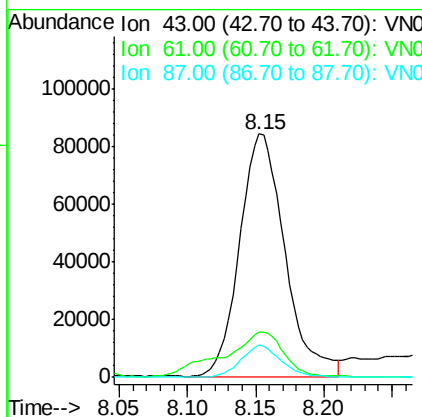
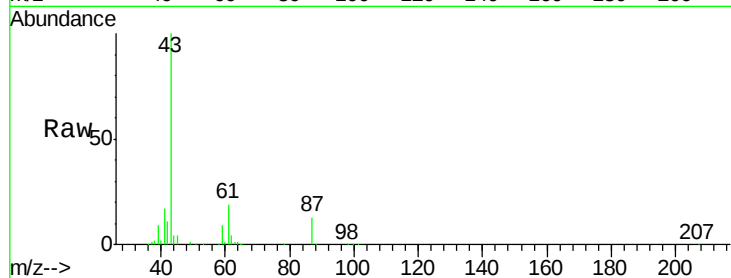
ClientSampleId :

VN0913WBS01

Tot Ion:	43	Resp:	193723
Ion	Ratio	Lower	Upper
43	100		
61	24.9	20.1	30.1
87	11.9	9.5	14.3

Manual Integrations
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#44

Trichloroethene

Concen: 18.777 ug/l

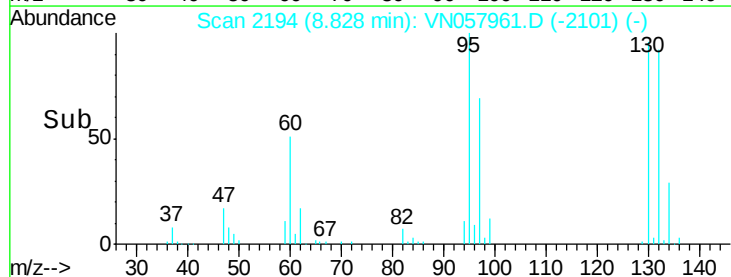
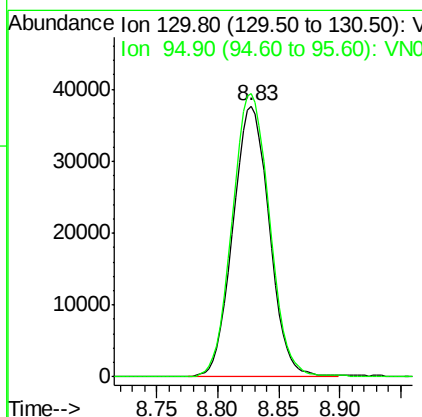
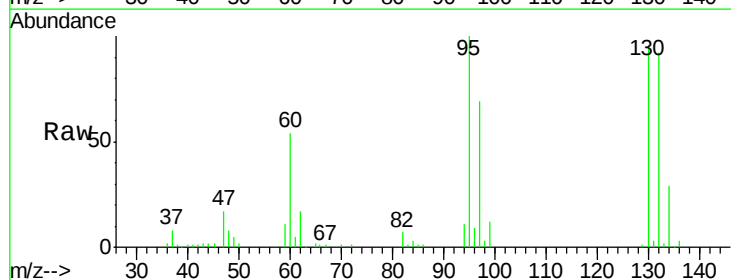
RT: 8.83 min Scan# 2194

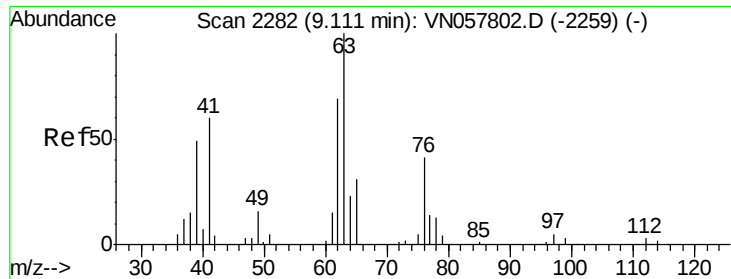
Delta R.T. 0.00 min

Lab File: VN057961.D

Acq: 12 Sep 2019 11:36

Tgt Ion:	130	Resp:	78013
Ion	Ratio	Lower	Upper
130	100		
95	104.4	0.0	211.4





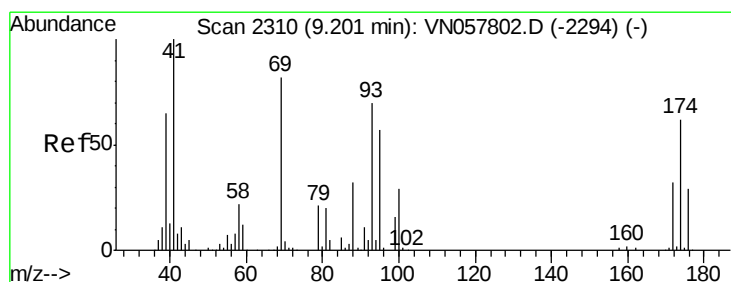
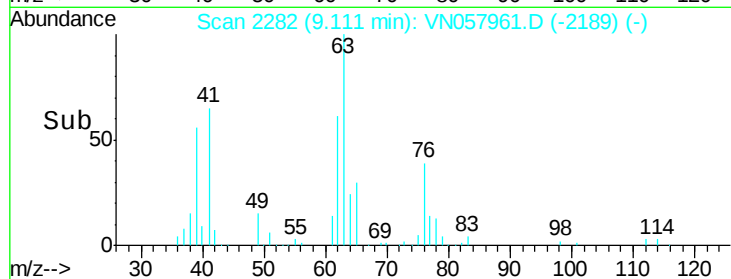
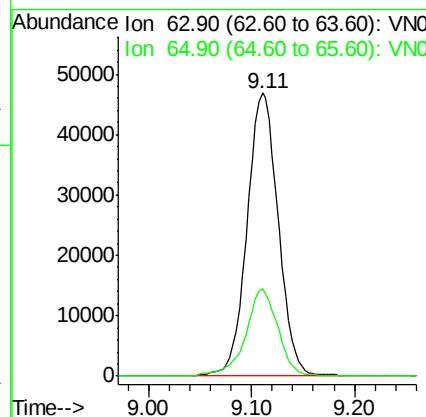
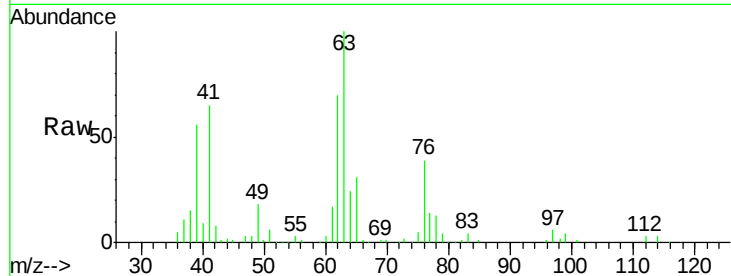
#45
 1,2-Dichloropropane
 Concen: 19.946 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057961.D
 Acq: 12 Sep 2019 11:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS01

Tot Ion: 63 Resp: 98314
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.8 37.2

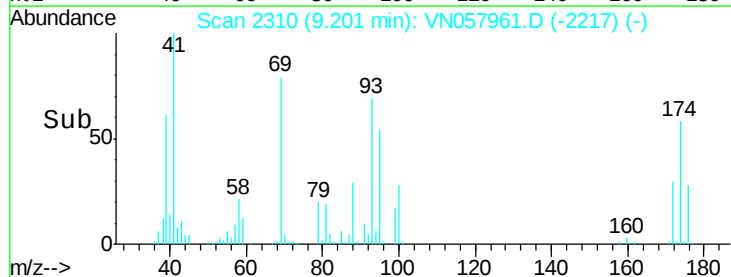
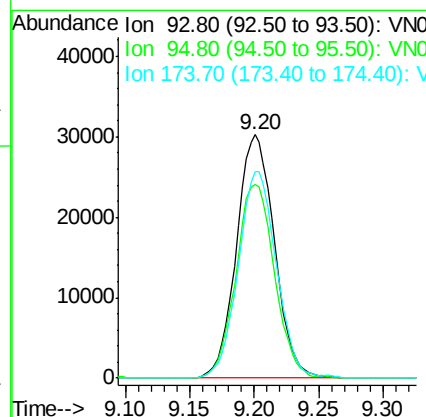
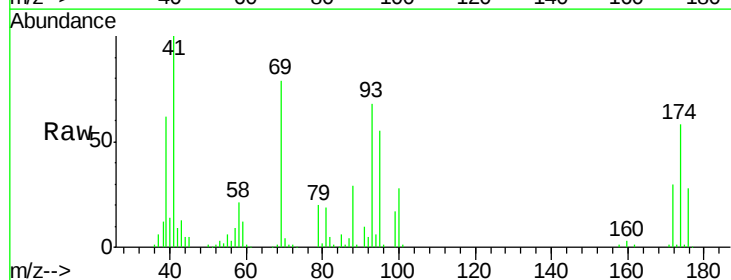
Manual Integrations
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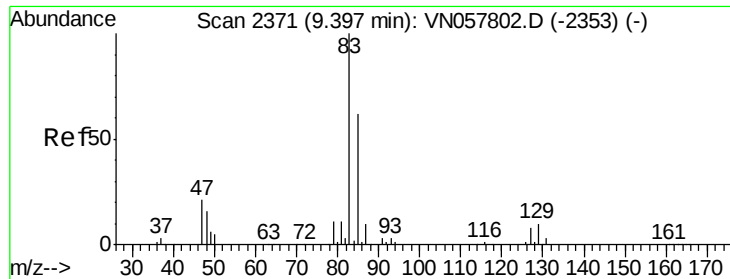
MMDadoda
 9/13/2019 1:05:32 PM



#46
 Dibromomethane
 Concen: 20.774 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057961.D
 Acq: 12 Sep 2019 11:36

Tgt Ion: 93 Resp: 61876
 Ion Ratio Lower Upper
 93 100
 95 81.2 65.9 98.9
 174 85.7 71.8 107.6





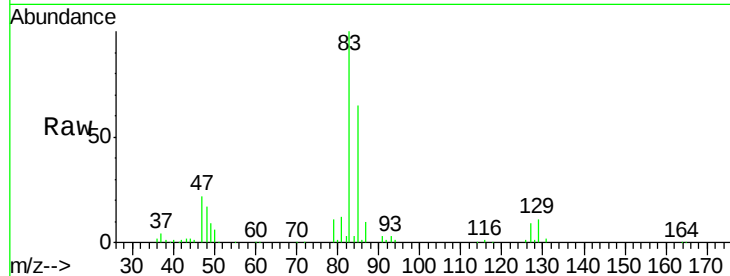
#47
Bromodichloromethane
Concen: 19.491 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN057961.D
Acq: 12 Sep 2019 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS01

Tot Ion	83	Resp	115930
Ion Ratio	100	Lower	Upper
83	100		
85	65.1	49.9	74.9
127	8.8	6.5	9.7

Manual Integrations
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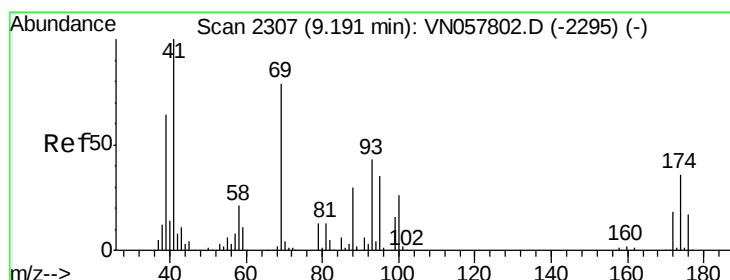
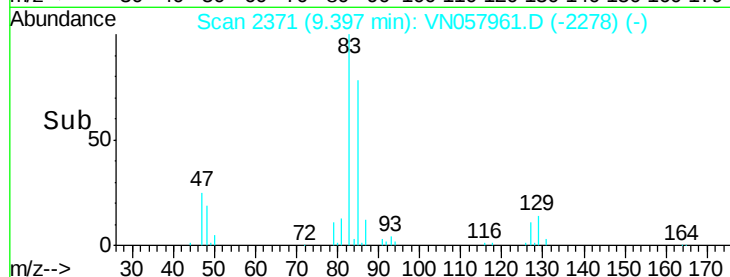
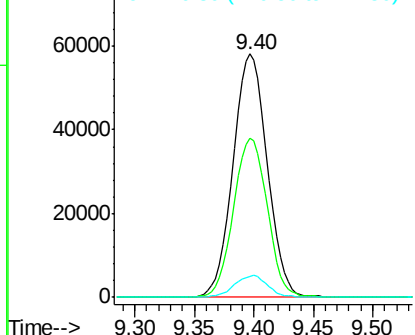
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Abundance Ion 82.90 (82.60 to 83.60): VN057802.D (-2353) (-)

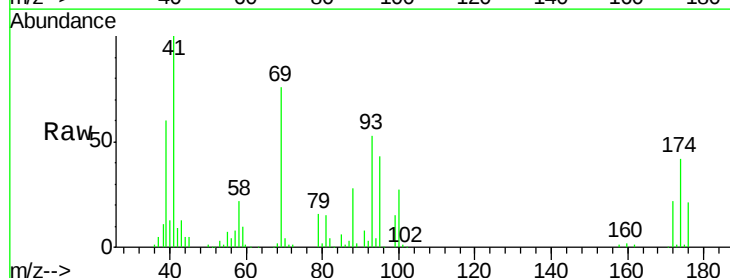
Ion 84.90 (84.60 to 85.60): VN057802.D (-2353) (-)

Ion 126.80 (126.50 to 127.50): VN057802.D (-2353) (-)



#48
Methyl methacrylate
Concen: 19.512 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057961.D
Acq: 12 Sep 2019 11:36

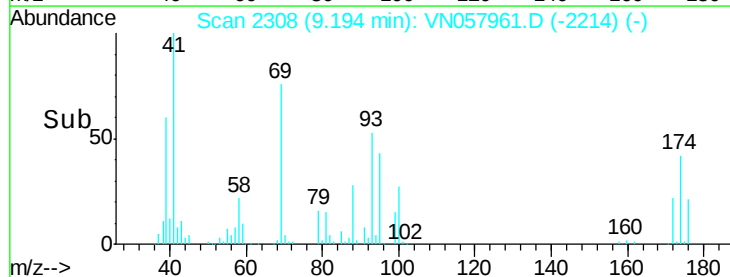
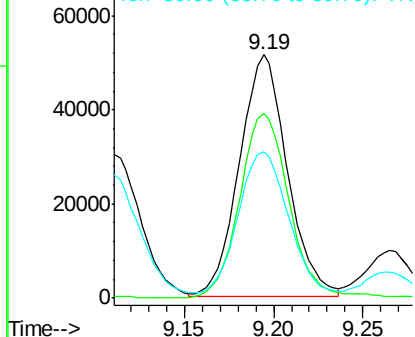
Tgt Ion	41	Resp	96759
Ion Ratio	100	Lower	Upper
41	100		
69	79.1	62.7	94.1
39	64.7	52.7	79.1

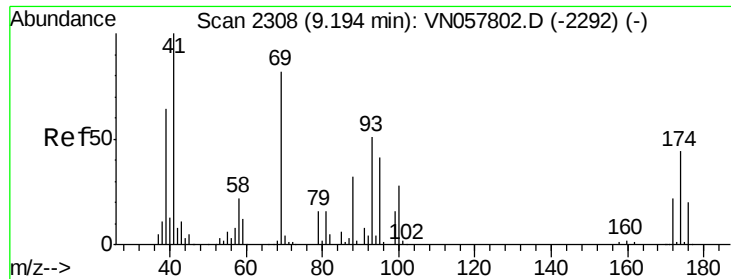


Abundance Ion 41.00 (40.70 to 41.70): VN057802.D (-2295) (-)

Ion 69.00 (68.70 to 69.70): VN057802.D (-2295) (-)

Ion 39.00 (38.70 to 39.70): VN057802.D (-2295) (-)





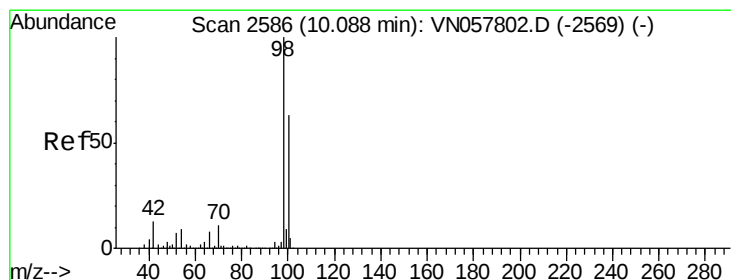
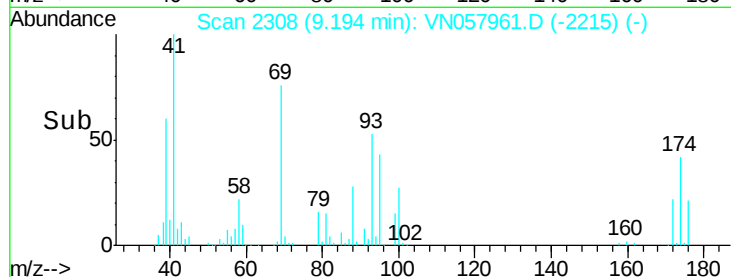
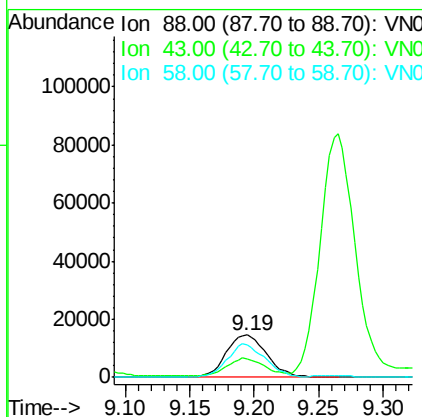
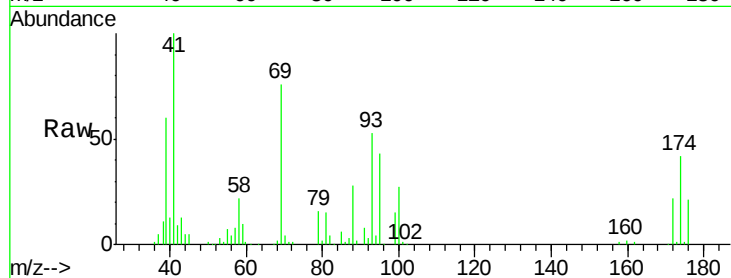
#49
 1,4-Dioxane
 Concen: 379.745 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057961.D
 Acq: 12 Sep 2019 11:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS01

Tot Ion	88	Resp	31846
Ion	Ratio	Lower	Upper
88	100		
43	39.6	28.5	42.7
58	74.4	55.8	83.6

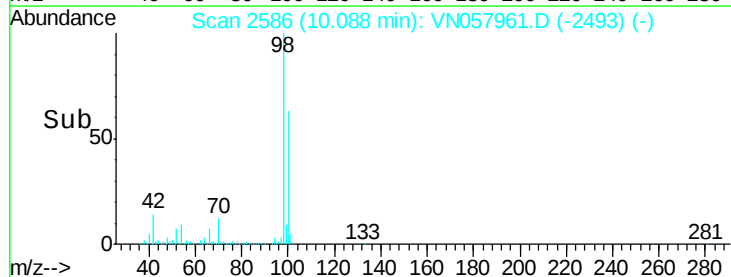
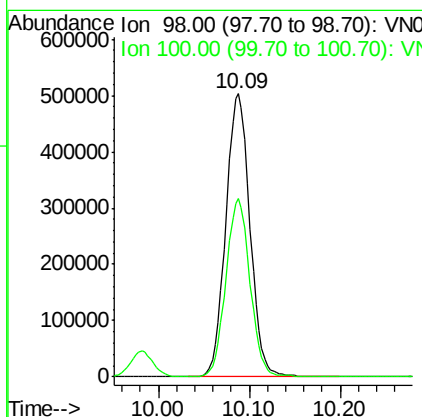
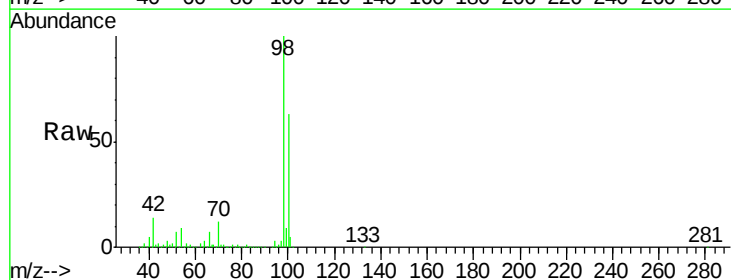
Manual Integrations
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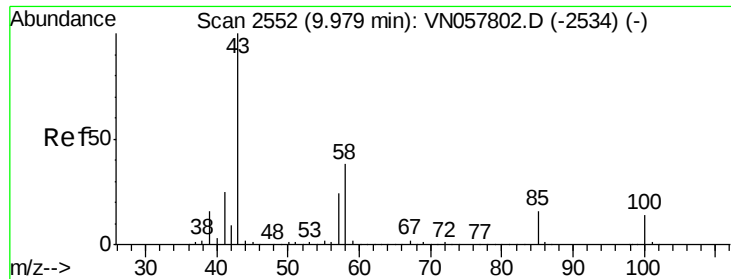
MMDadoda
 9/13/2019 1:05:32 PM



#50
 Toluene-d8
 Concen: 53.367 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN057961.D
 Acq: 12 Sep 2019 11:36

Tgt Ion	98	Resp	927796
Ion	Ratio	Lower	Upper
98	100		
100	62.6	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 107.915 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057961.D

Acq: 12 Sep 2019 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS01

Tot Ion: 43 Resp: 624303

Ion Ratio Lower Upper

43 100

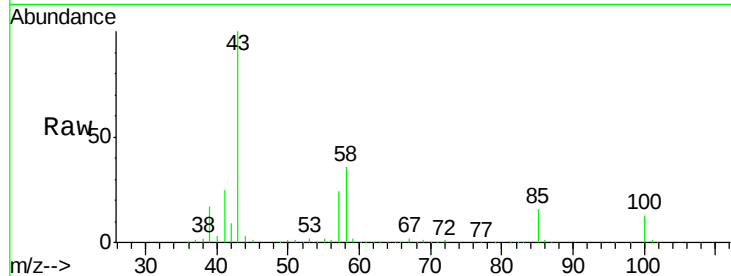
58 36.2 29.8 44.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

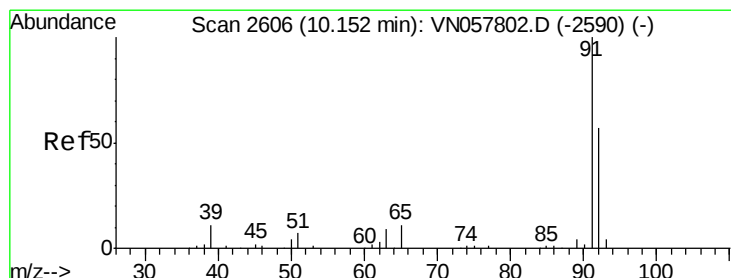
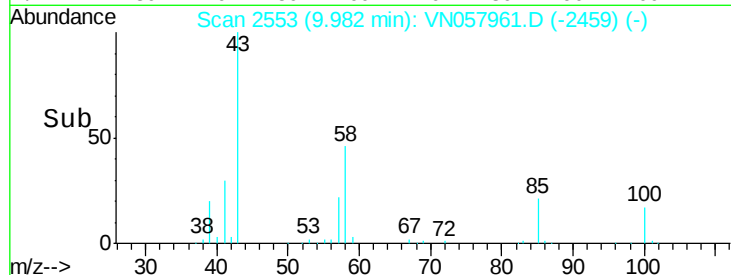
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.552 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057961.D

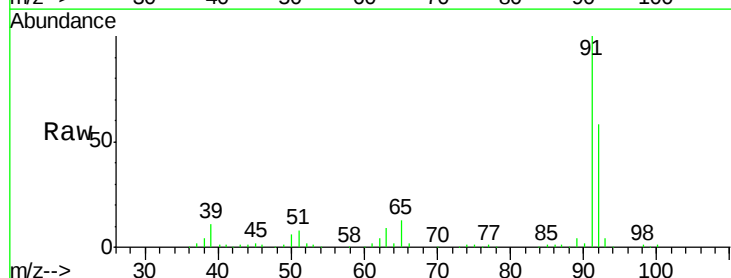
Acq: 12 Sep 2019 11:36

Tgt Ion: 92 Resp: 208600

Ion Ratio Lower Upper

92 100

91 175.9 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

200000

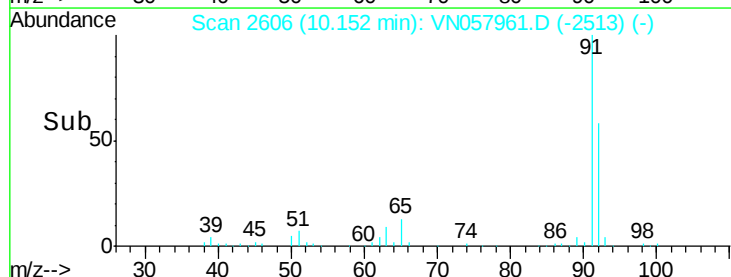
150000

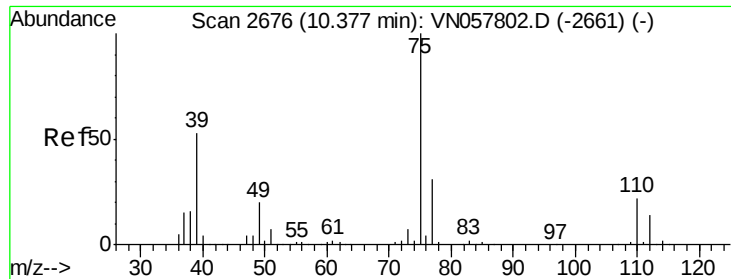
100000

50000

0

Time-->





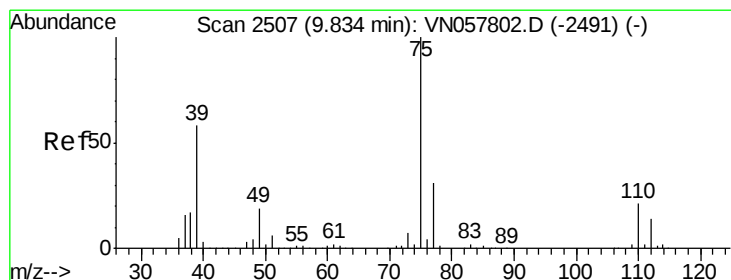
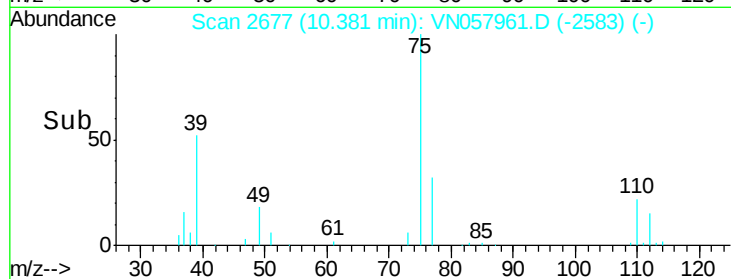
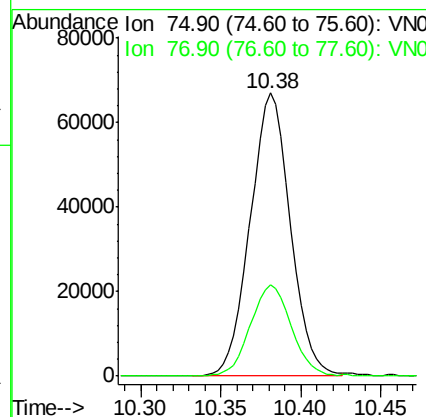
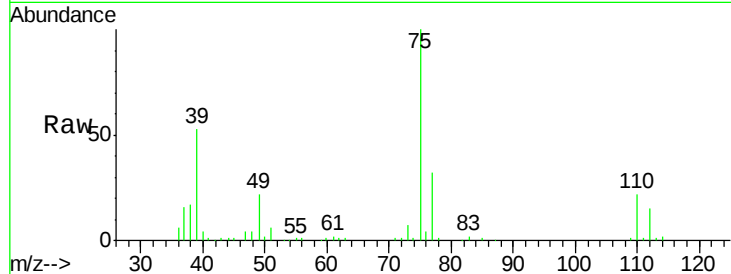
#53
t-1,3-Dichloropropene
Concen: 18.473 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN057961.D
Acq: 12 Sep 2019 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS01

Tot Ion: 75 Resp: 115706
Ion Ratio Lower Upper
75 100
77 32.1 24.5 36.7

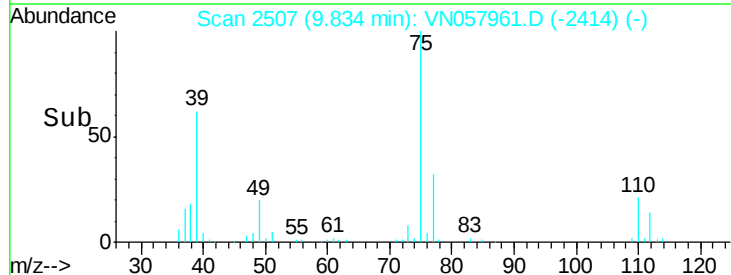
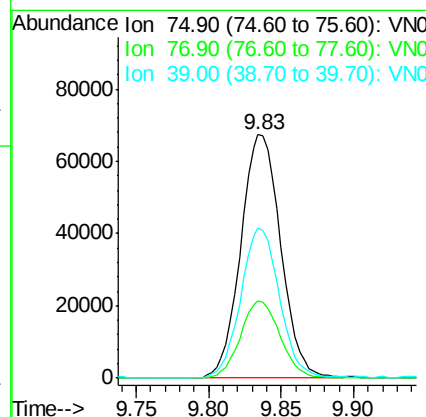
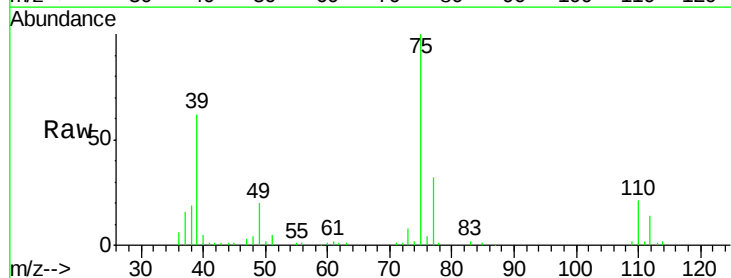
Manual Integrations
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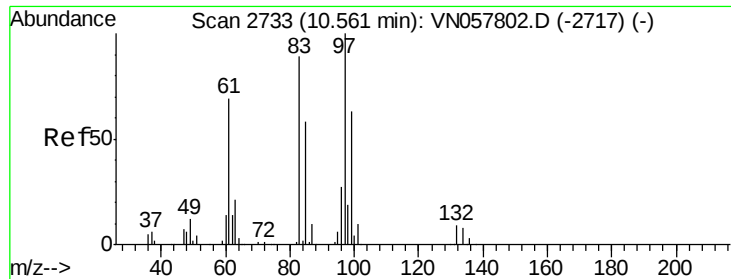
MMDadoda
9/13/2019 1:05:32 PM



#54
cis-1,3-Dichloropropene
Concen: 18.683 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057961.D
Acq: 12 Sep 2019 11:36

Tgt Ion: 75 Resp: 129201
Ion Ratio Lower Upper
75 100
77 31.9 24.8 37.2
39 61.5 46.2 69.4





#55

1,1,2-Trichloroethane

Concen: 20.175 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN057961.D

Acq: 12 Sep 2019 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS01

Tot Ion: 97 Resp: 91178

Ion Ratio Lower Upper

97 100

83 91.2 70.8 106.2

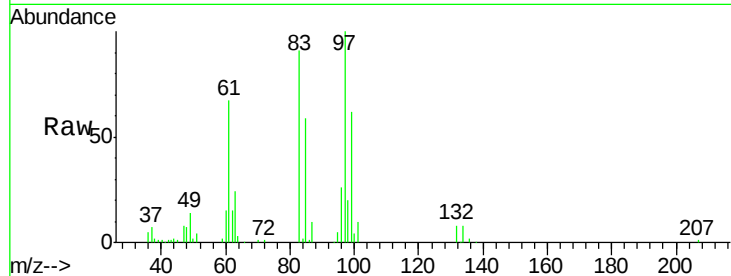
85 58.7 46.0 69.0

99 62.0 50.6 76.0

Manual Integrations
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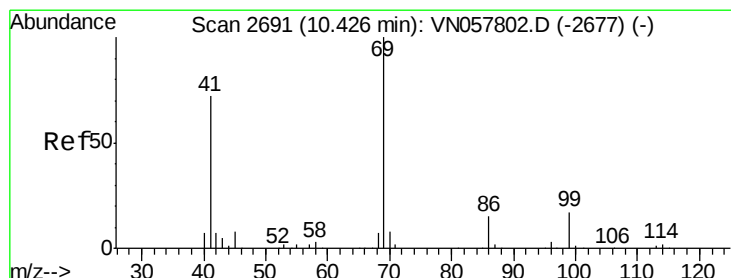
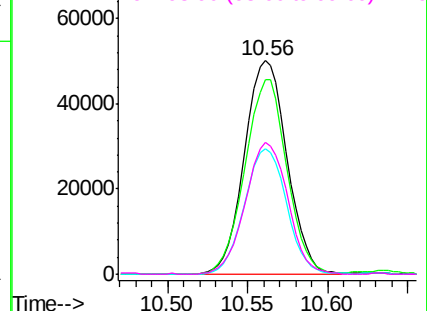
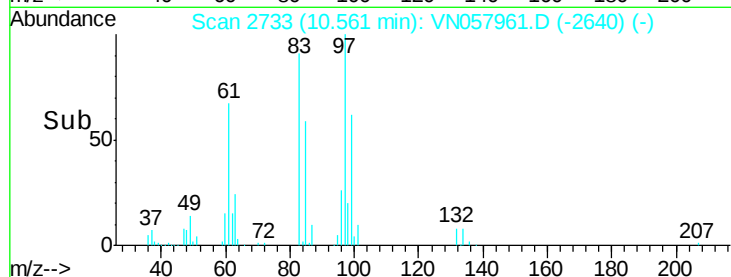


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.838 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN057961.D

Acq: 12 Sep 2019 11:36

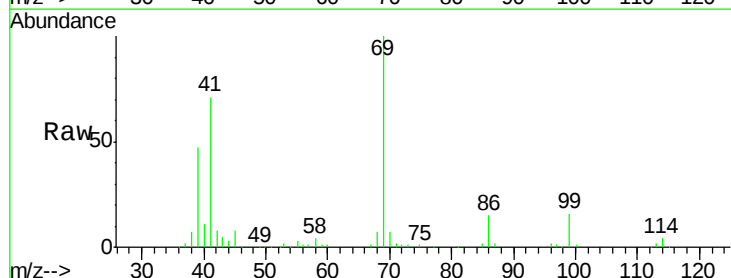
Tgt Ion: 69 Resp: 135008

Ion Ratio Lower Upper

69 100

41 69.9 56.7 85.1

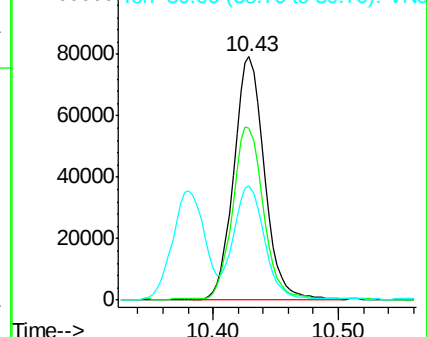
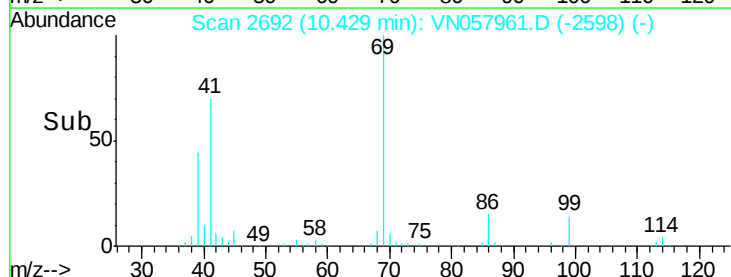
39 45.8 36.3 54.5

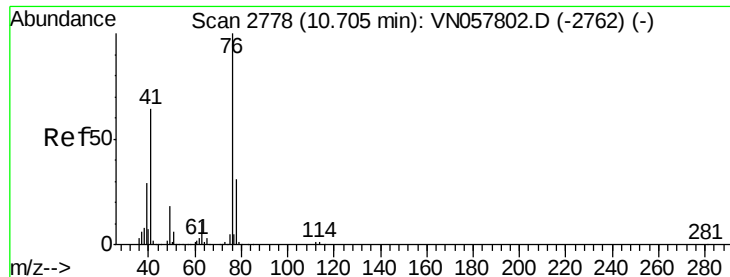


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.978 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057961.D

Acq: 12 Sep 2019 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS01

Tot Ion: 76 Resp: 155599

Ion Ratio Lower Upper

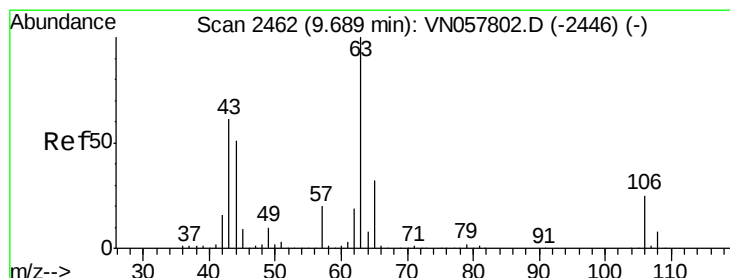
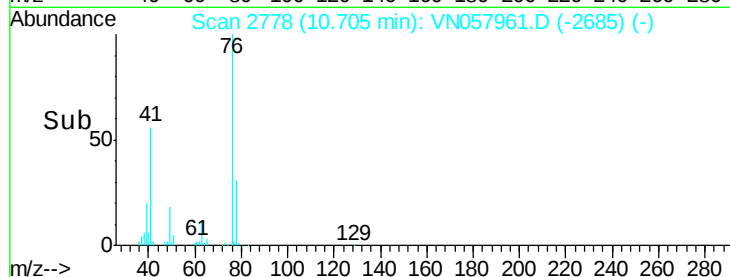
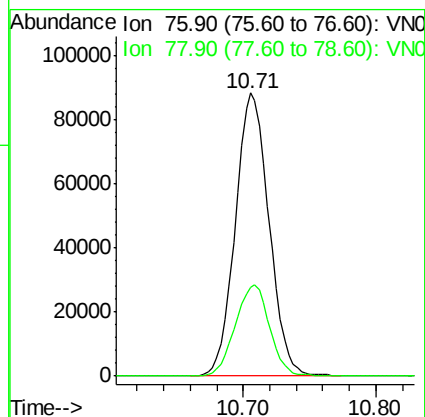
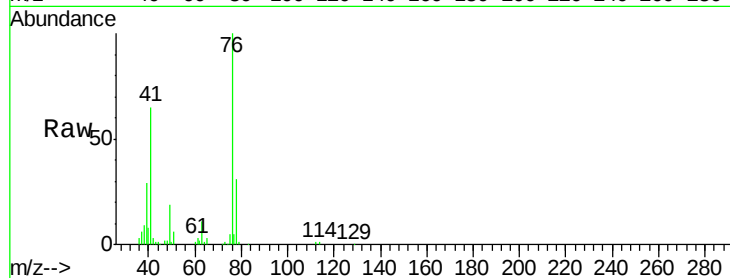
76 100

78 32.9 25.4 38.2

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#58

2-Chloroethyl Vinyl ether

Concen: 106.306 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057961.D

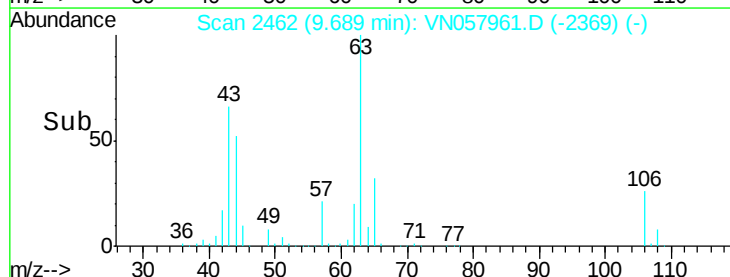
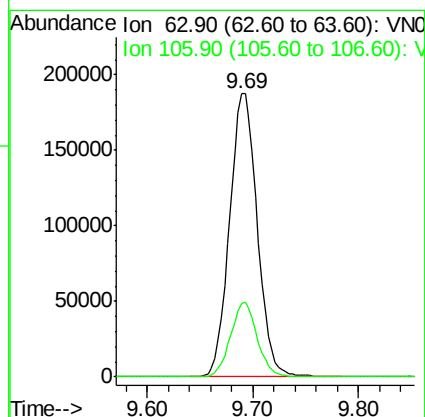
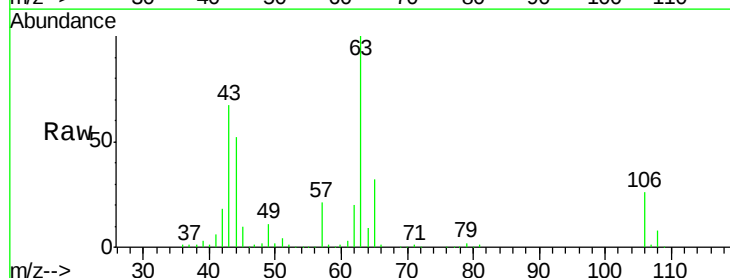
Acq: 12 Sep 2019 11:36

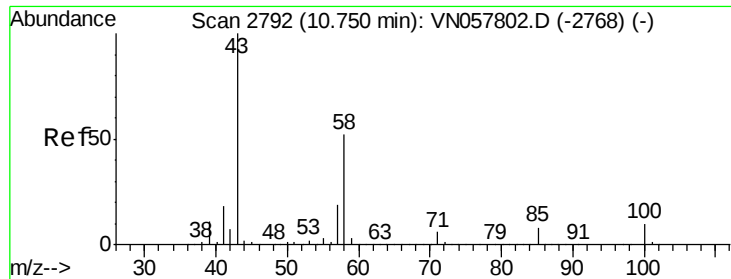
Tgt Ion: 63 Resp: 340752

Ion Ratio Lower Upper

63 100

106 25.3 20.0 30.0





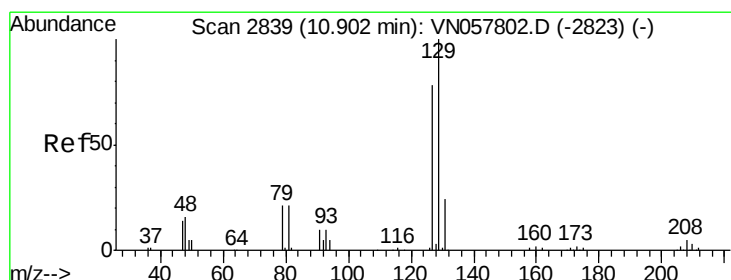
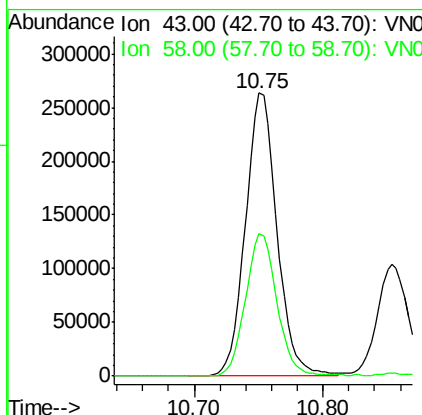
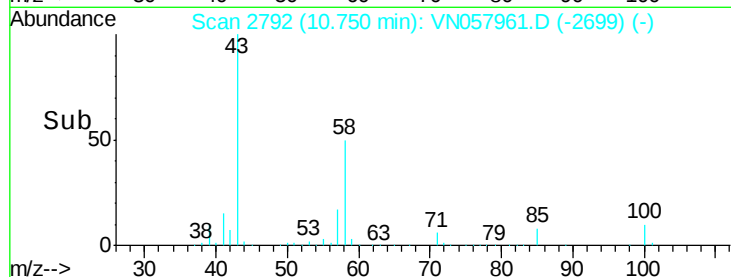
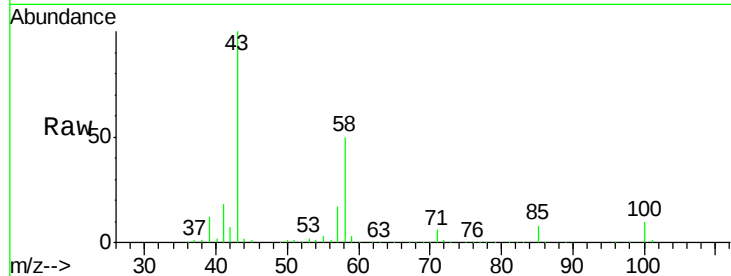
#59
2-Hexanone
Concen: 103.062 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057961.D
Acq: 12 Sep 2019 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS01

Tot Ion: 43 Resp: 446895
Ion Ratio Lower Upper
43 100
58 50.6 25.6 76.8

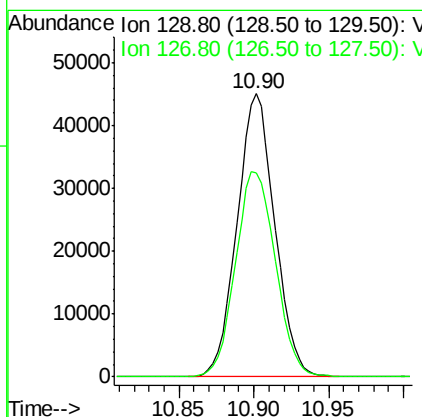
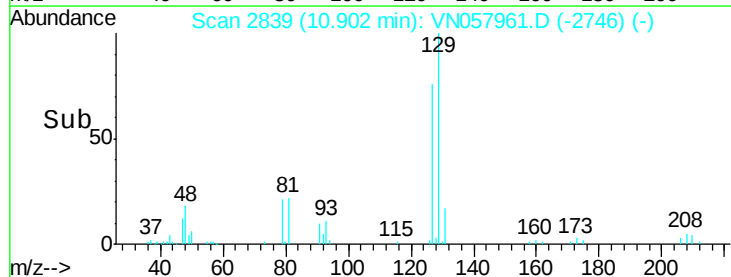
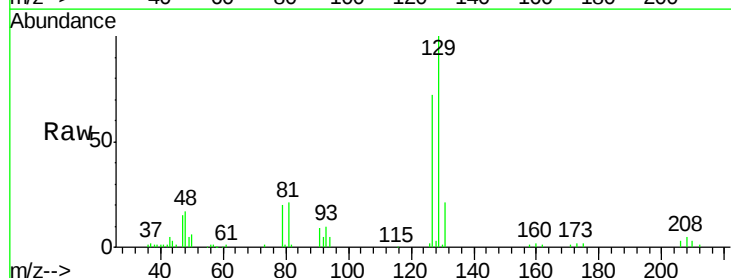
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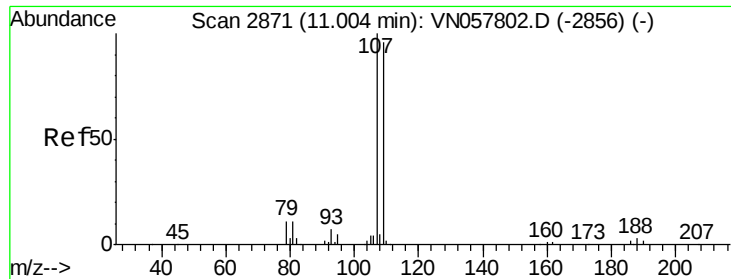
MMDadoda
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#60
Dibromochloromethane
Concen: 18.827 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN057961.D
Acq: 12 Sep 2019 11:36

Tgt Ion: 129 Resp: 79011
Ion Ratio Lower Upper
129 100
127 76.9 38.6 116.0





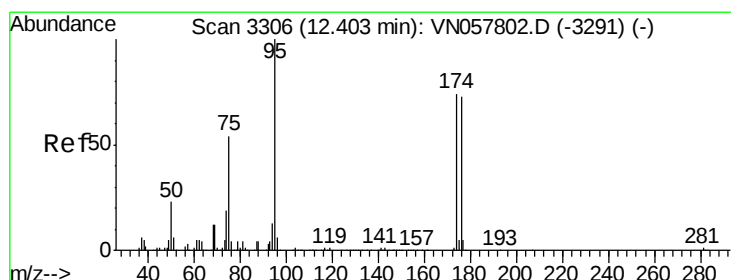
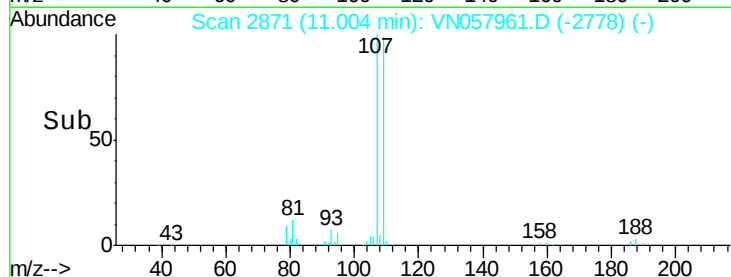
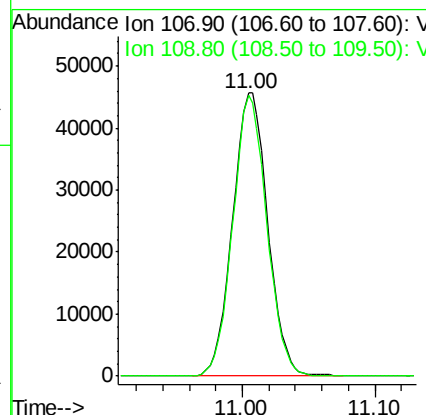
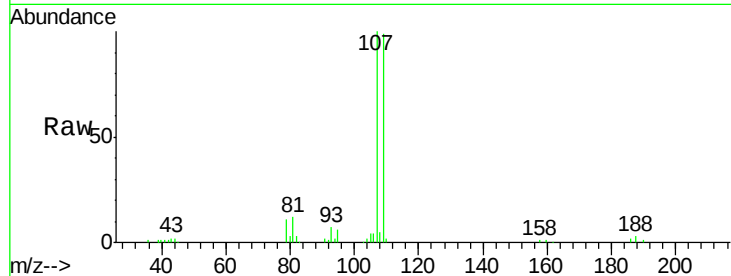
#61
 1,2-Dibromoethane
 Concen: 19.645 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057961.D
 Acq: 12 Sep 2019 11:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.9	75.3	112.9

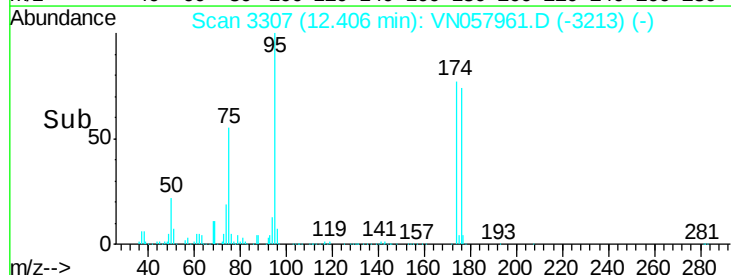
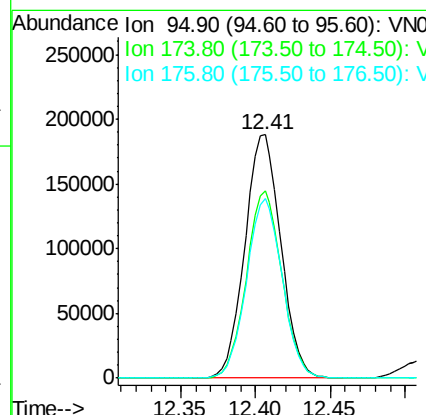
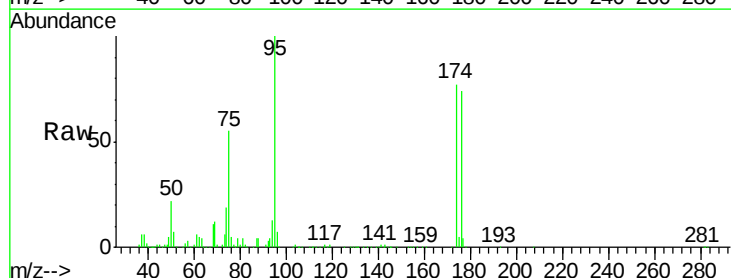
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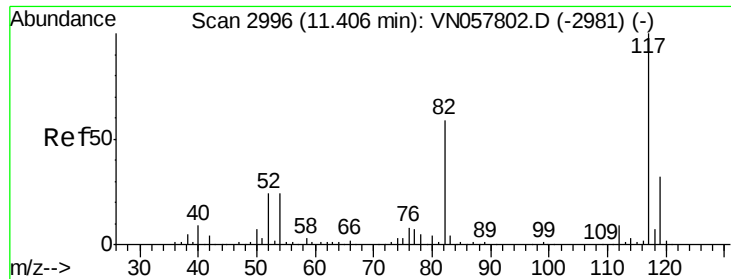
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 9/13/2019 1:05:32 PM



#62
 4-Bromofluorobenzene
 Concen: 47.650 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN057961.D
 Acq: 12 Sep 2019 11:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.7	0.0	150.2
176	72.9	0.0	146.0





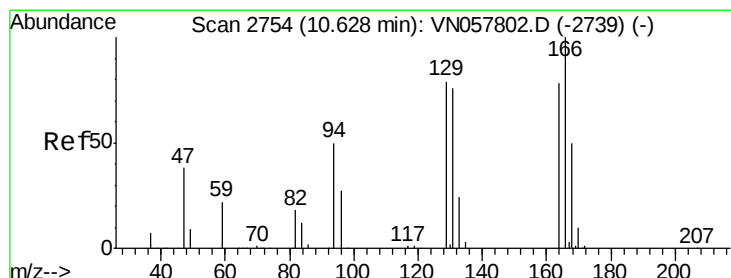
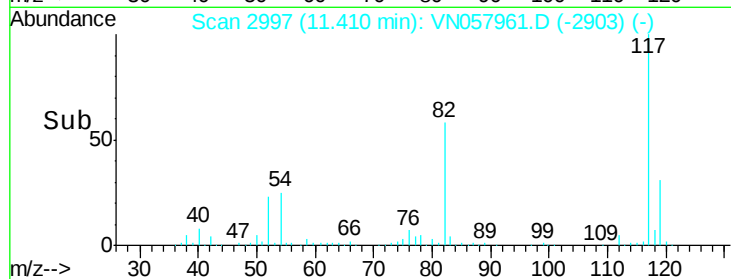
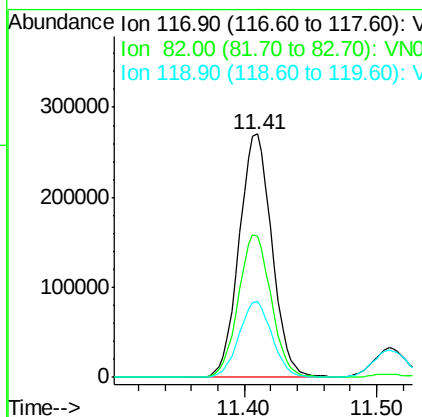
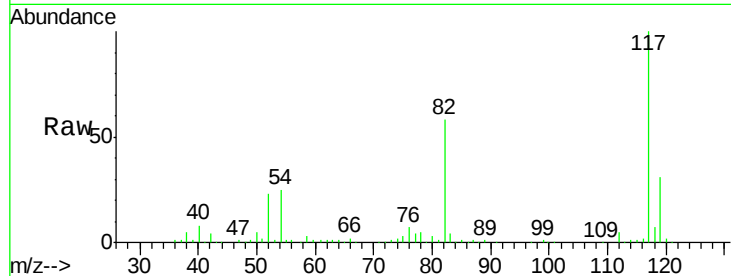
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN057961.D
Acq: 12 Sep 2019 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.9	47.2	70.8
119	31.0	25.3	37.9

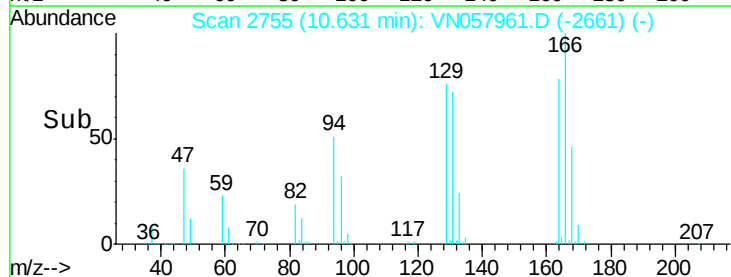
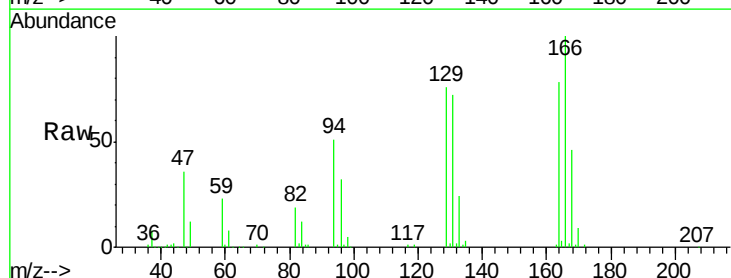
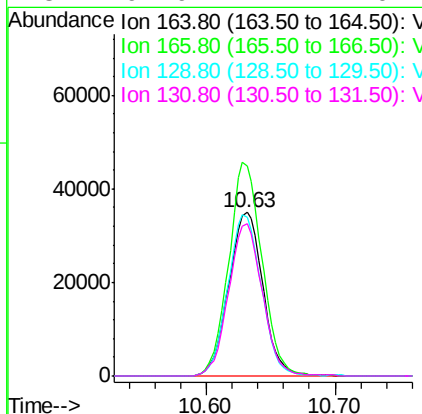
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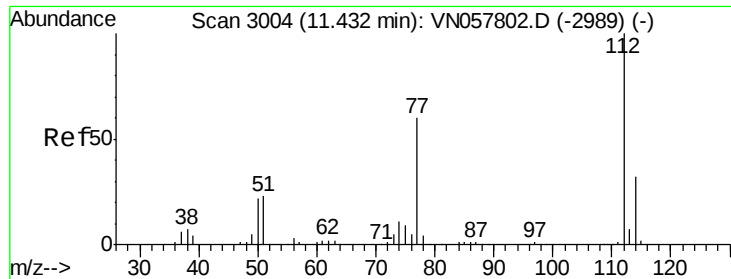
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#64
Tetrachloroethene
Concen: 18.855 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN057961.D
Acq: 12 Sep 2019 11:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	102.2	153.2
129	97.3	80.8	121.2
131	92.9	77.4	116.2





#65

Chlorobenzene

Concen: 18.952 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN057961.D

Acq: 12 Sep 2019 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS01

Tot Ion:112 Resp: 230179

Ion Ratio Lower Upper

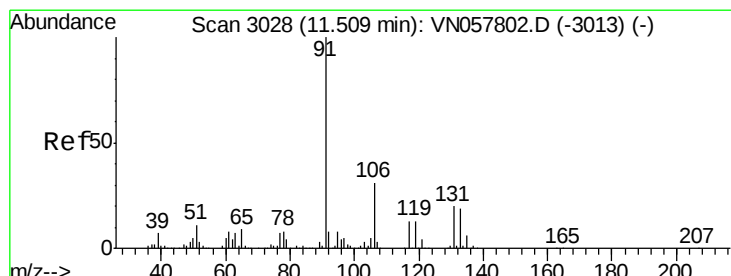
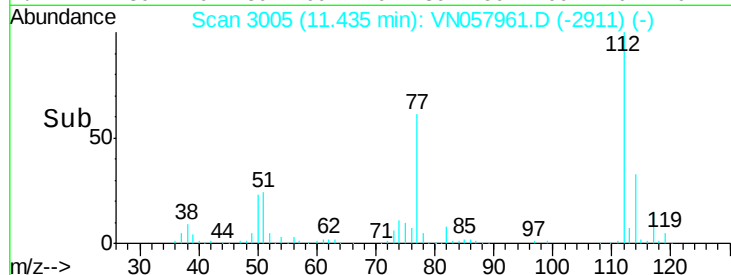
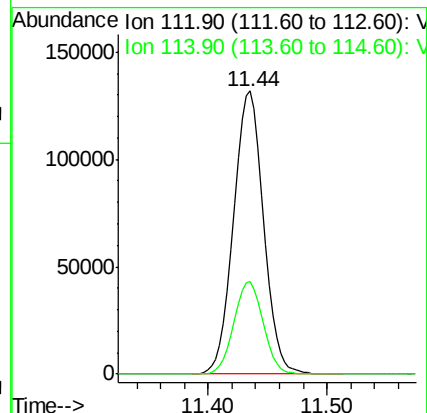
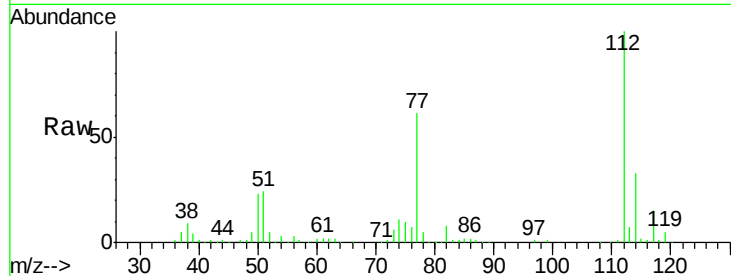
112 100

114 32.6 25.2 37.8

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 19.083 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057961.D

Acq: 12 Sep 2019 11:36

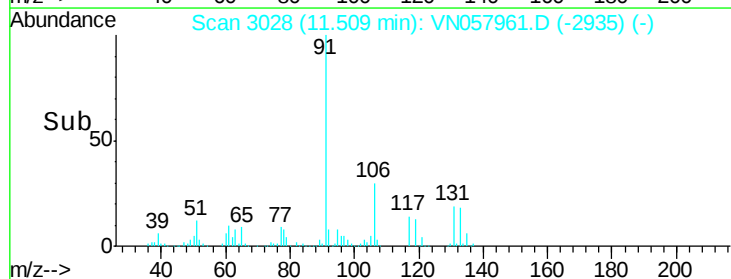
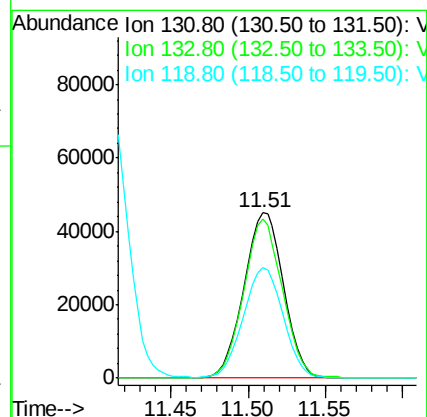
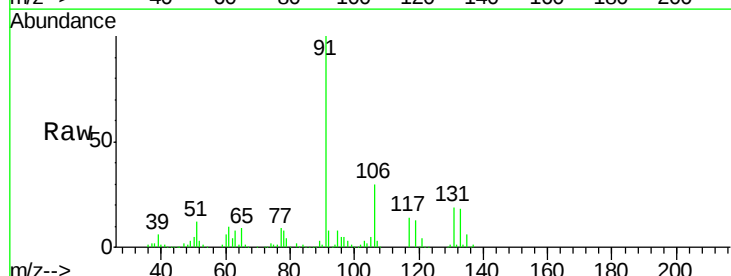
Tgt Ion:131 Resp: 80422

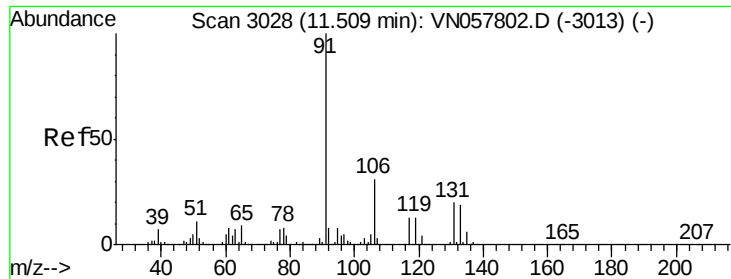
Ion Ratio Lower Upper

131 100

133 94.2 47.1 141.3

119 67.6 33.3 99.8





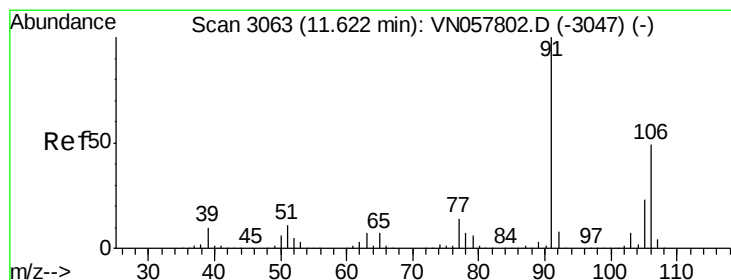
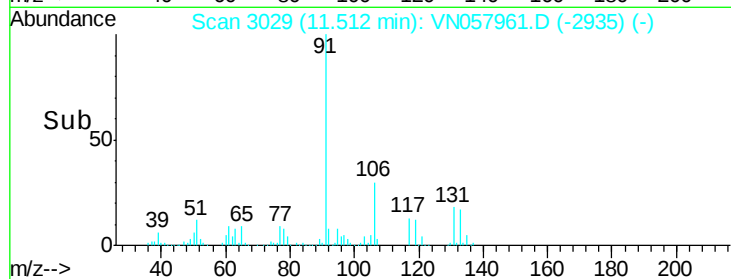
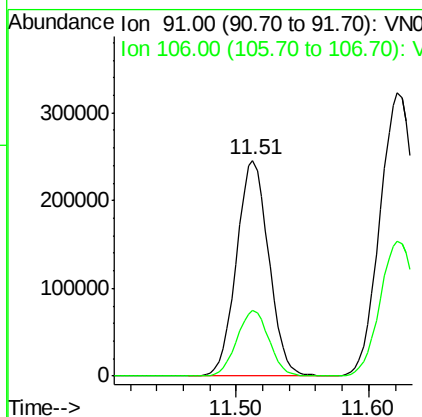
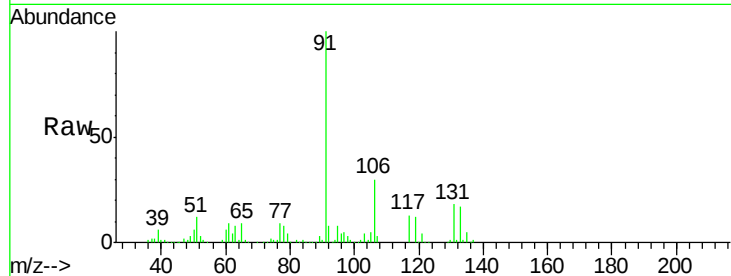
#67
Ethyl Benzene
Concen: 19.531 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN057961.D
Acq: 12 Sep 2019 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS01

Tot Ion: 91 Resp: 415724
Ion Ratio Lower Upper
91 100
106 30.2 24.4 36.6

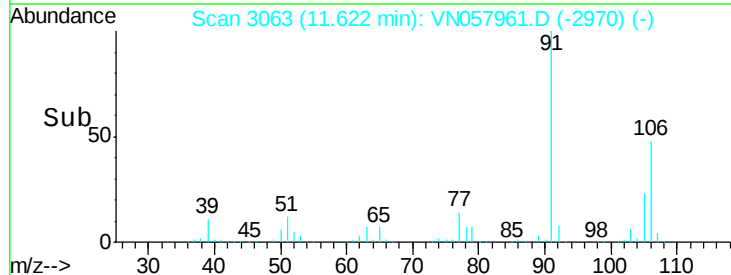
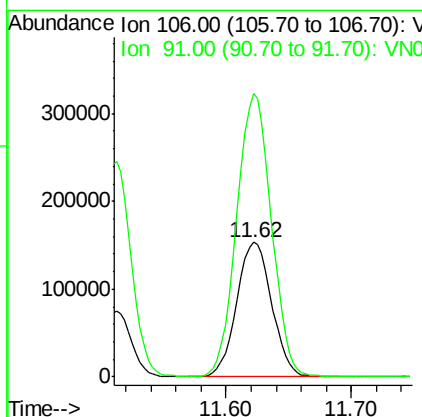
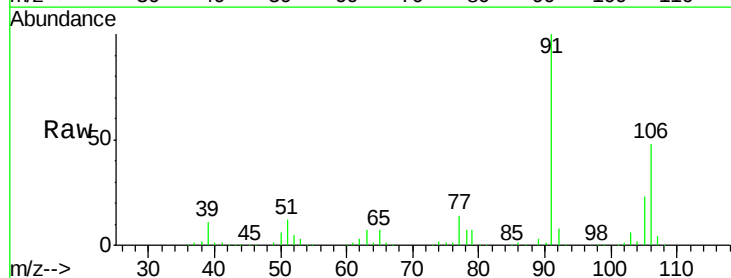
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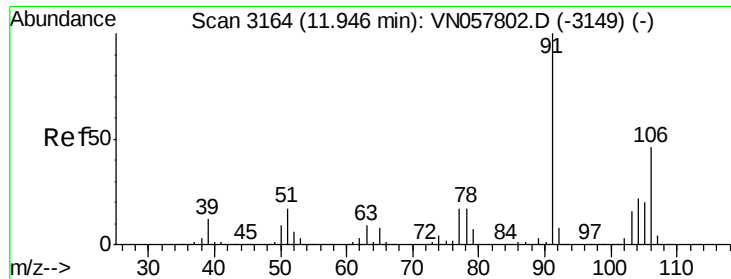
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#68
m/p-Xylenes
Concen: 38.105 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057961.D
Acq: 12 Sep 2019 11:36

Tgt Ion: 106 Resp: 297095
Ion Ratio Lower Upper
106 100
91 209.2 165.8 248.6





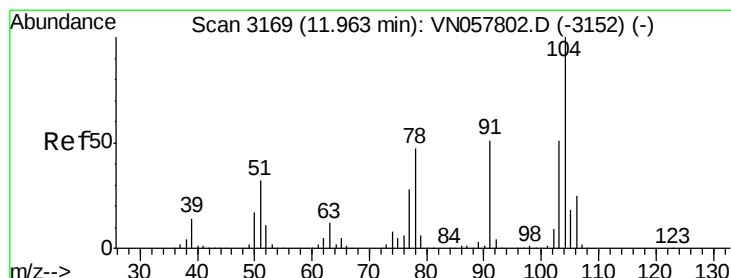
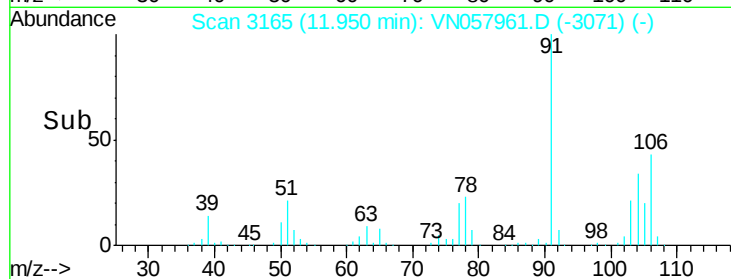
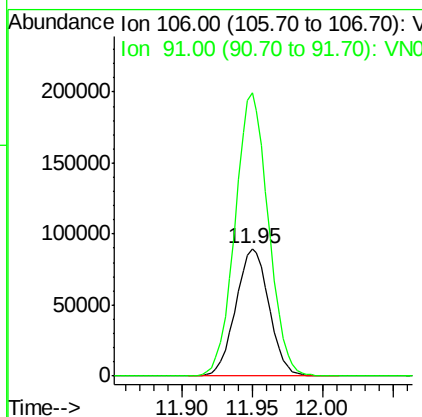
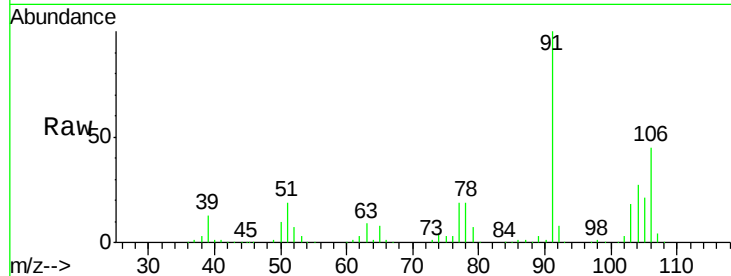
#69
o-Xylene
Concen: 19.152 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057961.D
Acq: 12 Sep 2019 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS01

Tot Ion:106 Resp: 148446
Ion Ratio Lower Upper
106 100
91 222.5 108.7 326.1

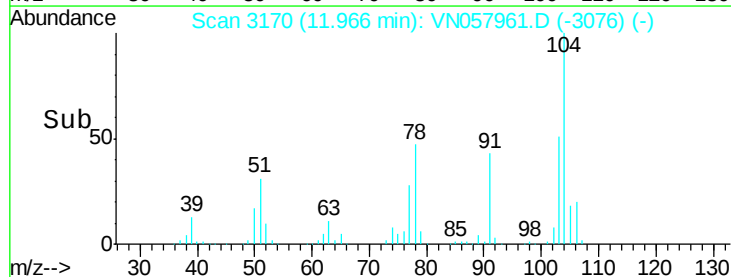
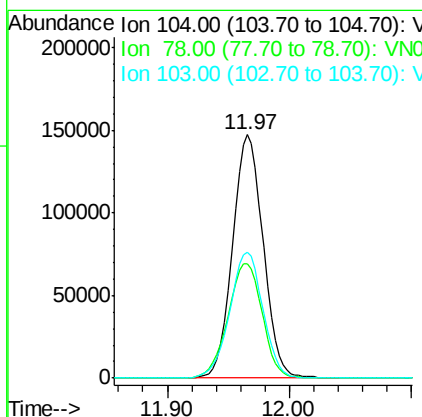
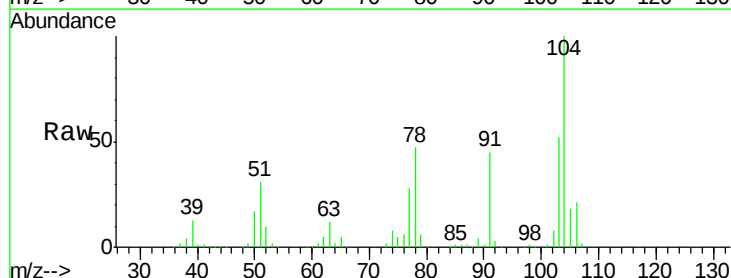
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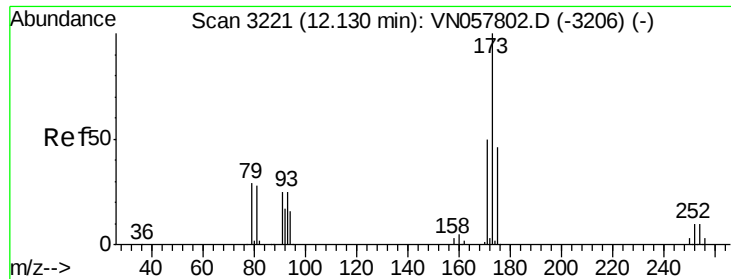
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#70
Styrene
Concen: 19.223 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057961.D
Acq: 12 Sep 2019 11:36

Tgt Ion:104 Resp: 256423
Ion Ratio Lower Upper
104 100
78 53.0 41.3 61.9
103 56.1 43.7 65.5





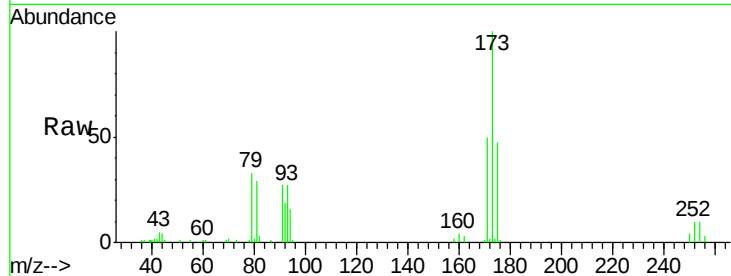
#71
Bromoform
Concen: 18.003 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN057961.D
Acq: 12 Sep 2019 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS01

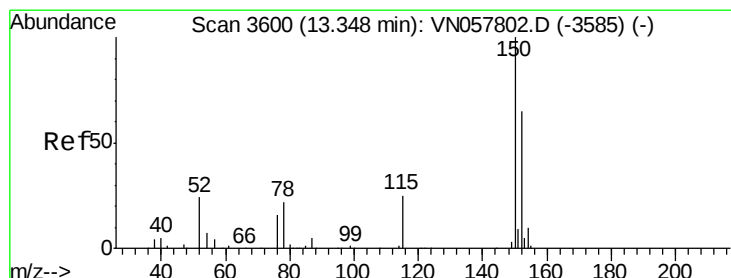
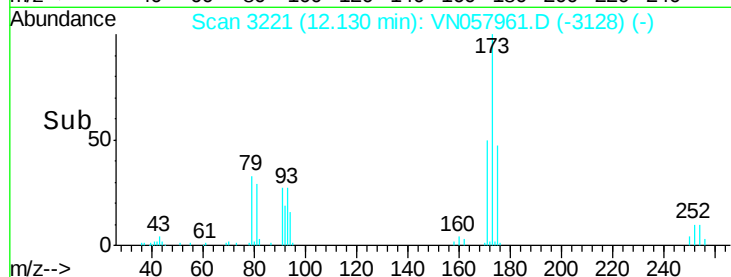
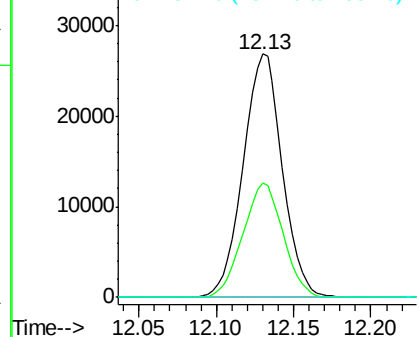
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	23.5	70.6
254	0.0	0.1	0.1#

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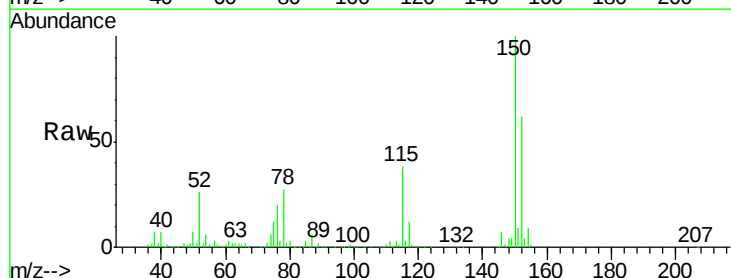


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

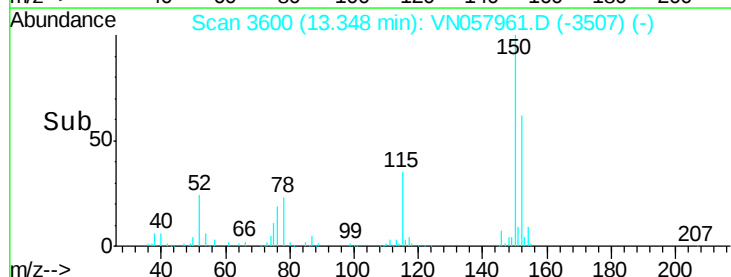
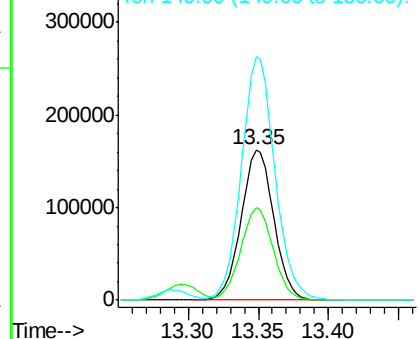


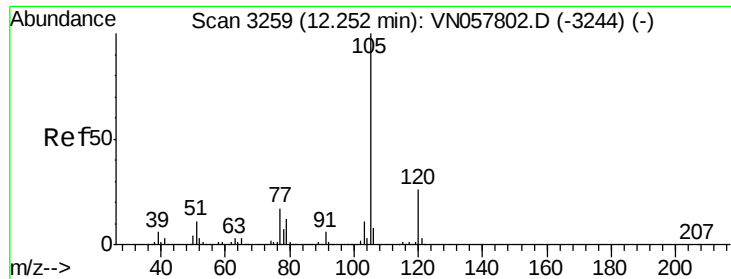
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057961.D
Acq: 12 Sep 2019 11:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.1	30.3	91.0
150	166.5	0.0	352.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





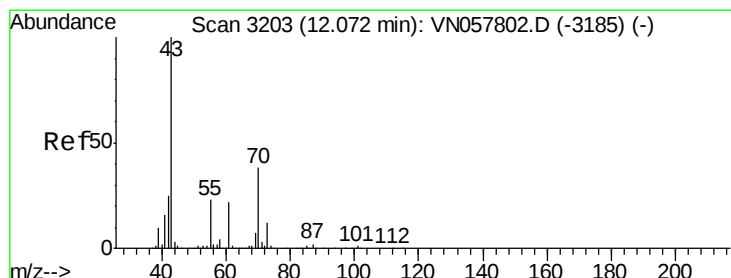
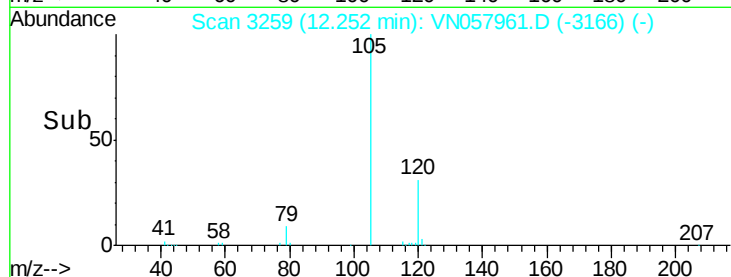
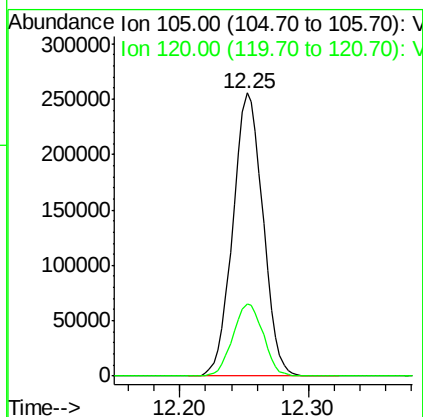
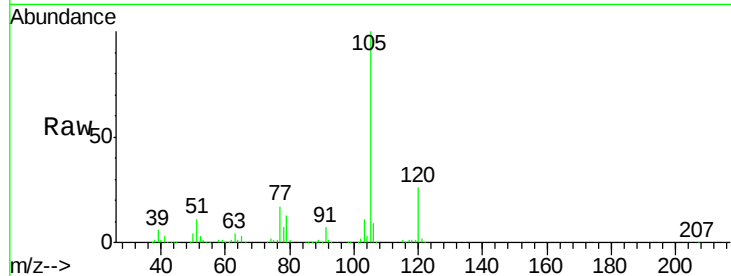
#73
Isopropylbenzene
Concen: 20.256 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN057961.D
Acq: 12 Sep 2019 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.8	38.4

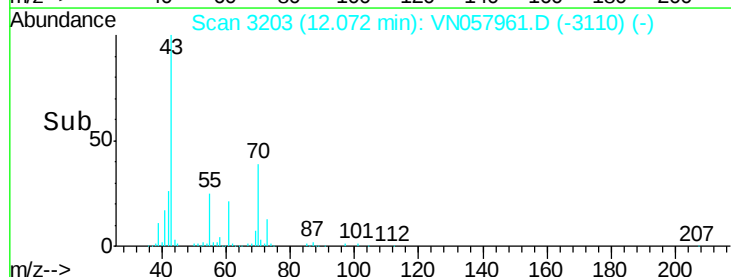
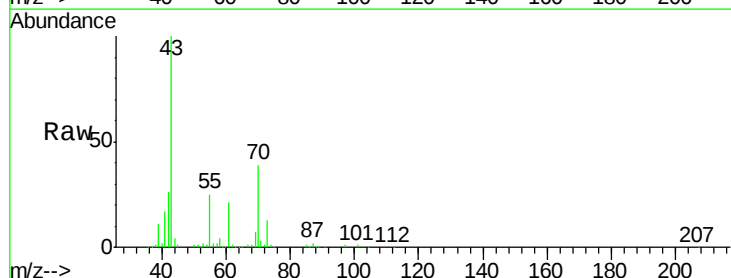
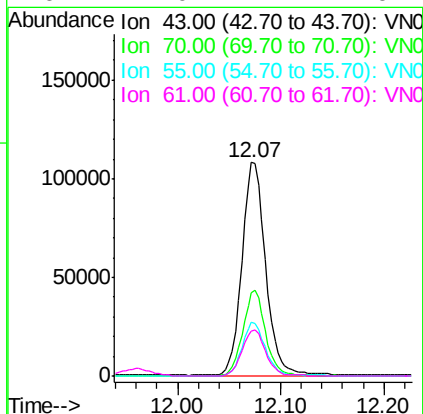
Manual Integrations
APPROVED

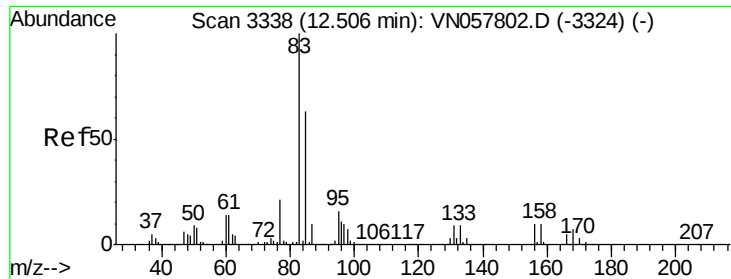
MMDadoda
9/13/2019 1:05:32 PM



#74
N-ethyl acetate
Concen: 19.515 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN057961.D
Acq: 12 Sep 2019 11:36

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.6	30.6	45.8
55	24.7	18.6	27.8
61	22.0	17.4	26.2





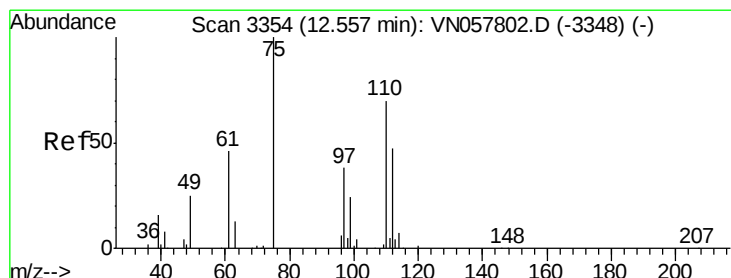
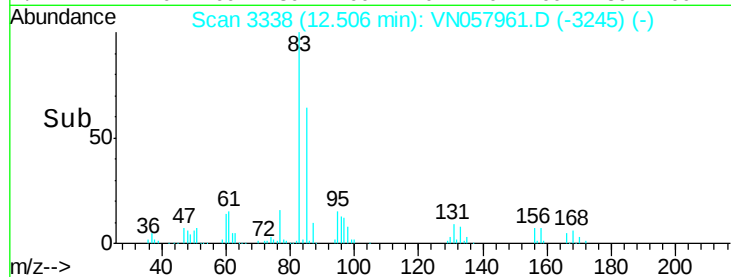
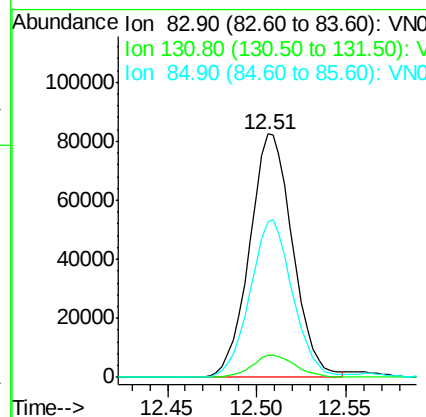
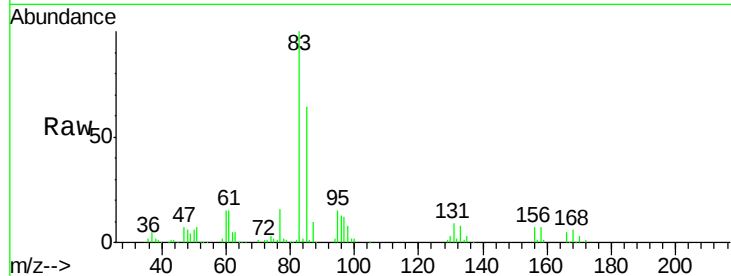
#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.278 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN057961.D
 Acq: 12 Sep 2019 11:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	139233		
131	9.2	4.8	14.3	
85	63.8	31.6	94.7	

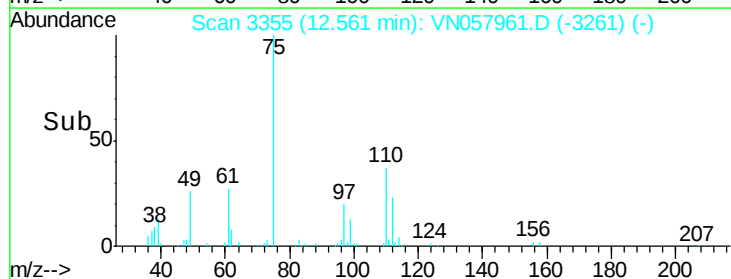
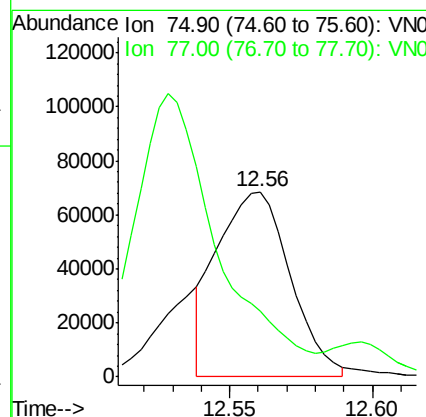
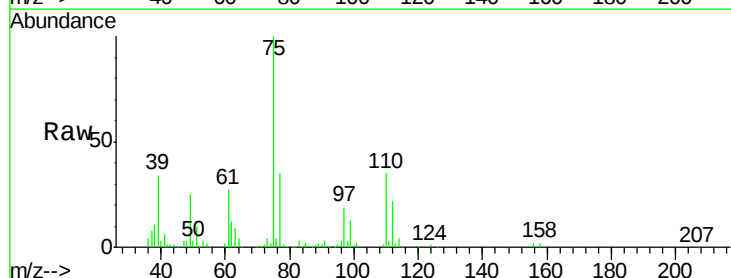
Manual Integrations
 APPROVED

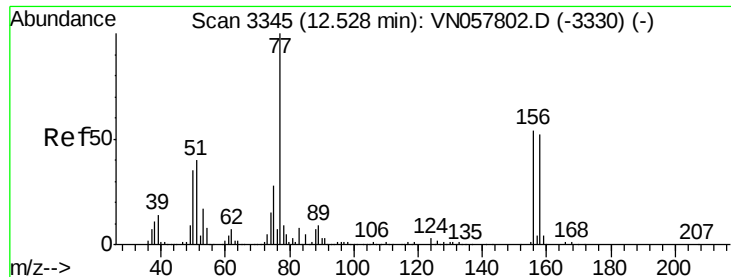
MMDadoda
 9/13/2019 1:05:32 PM



#76
 1,2,3-Trichloropropane
 Concen: 20.597 ug/l m
 RT: 12.56 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN057961.D
 Acq: 12 Sep 2019 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	122451		
77	0.0	0.0	0.0	





#77

Bromobenzene

Concen: 19.290 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057961.D

Acq: 12 Sep 2019 11:36

Instrument :

MSVOA_N

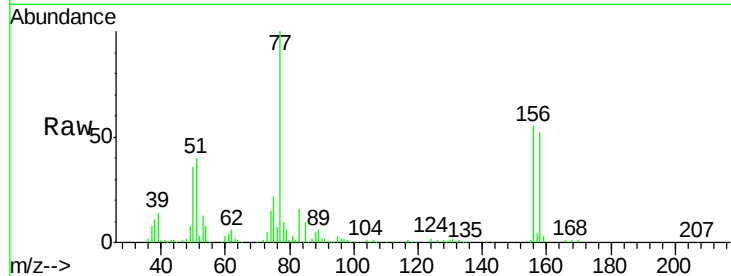
ClientSampleId :

VN0913WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	219.5	113.7	341.1
158	94.5	48.5	145.6

Manual Integrations
APPROVED

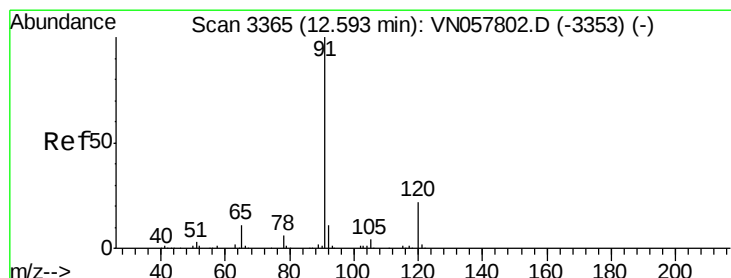
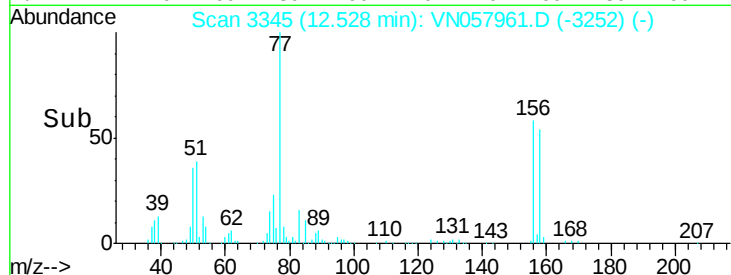
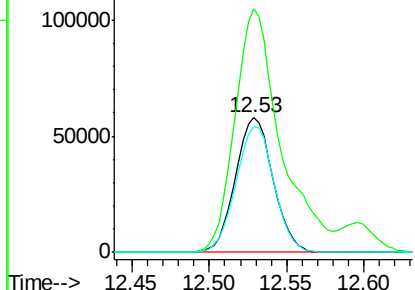
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.637 ug/l

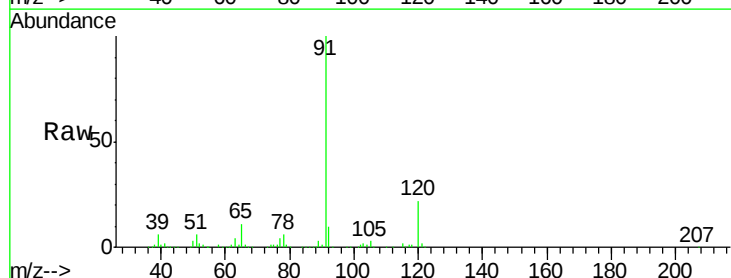
RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN057961.D

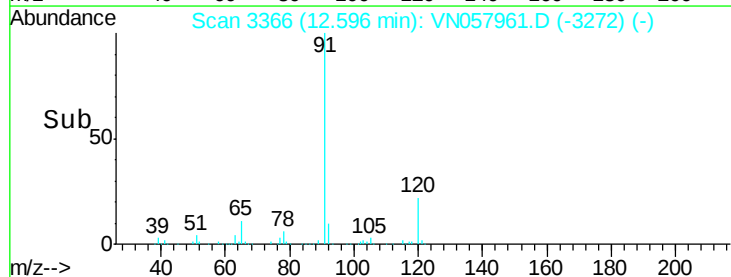
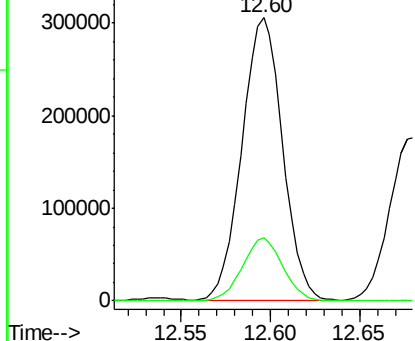
Acq: 12 Sep 2019 11:36

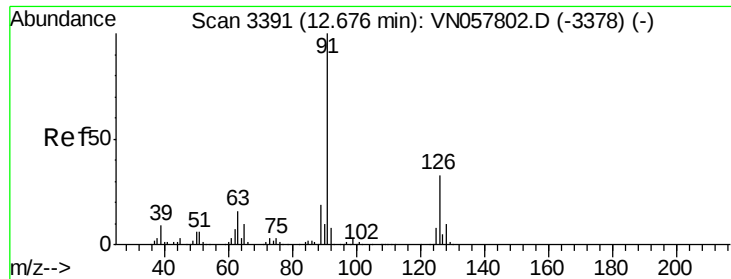
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.1	33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.453 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN057961.D

Acq: 12 Sep 2019 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS01

Tot Ion: 91 Resp: 287915

Ion Ratio Lower Upper

91 100

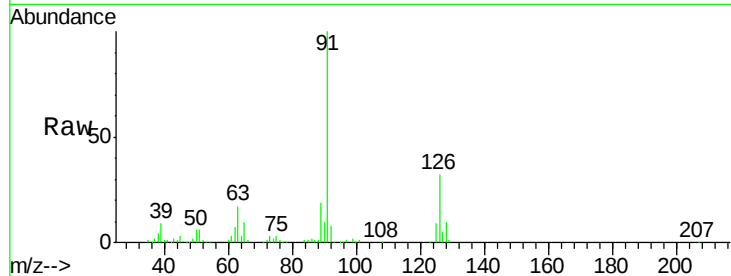
126 32.6 16.4 49.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN057802.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN057802.D (-3378) (-)

300000

200000

100000

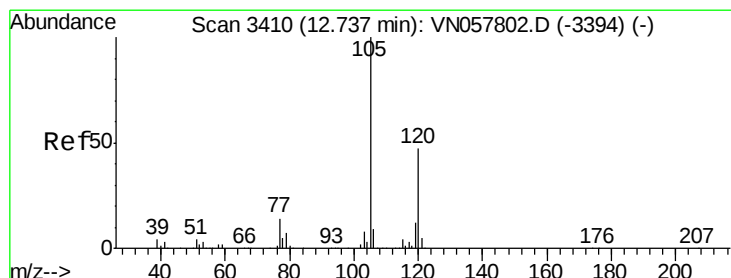
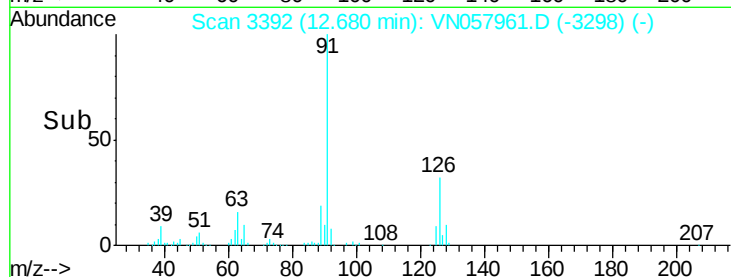
0

12.68

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.570 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057961.D

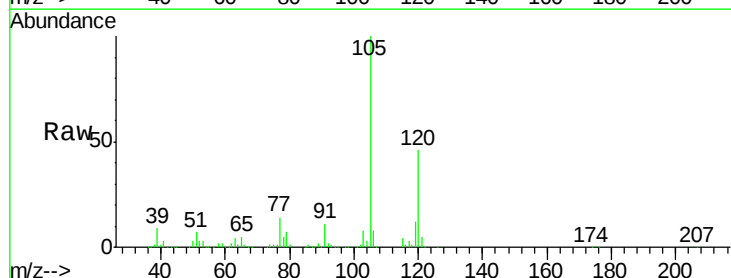
Acq: 12 Sep 2019 11:36

Tgt Ion: 105 Resp: 354428

Ion Ratio Lower Upper

105 100

120 46.7 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN057802.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN057802.D (-3394) (-)

250000

200000

150000

100000

50000

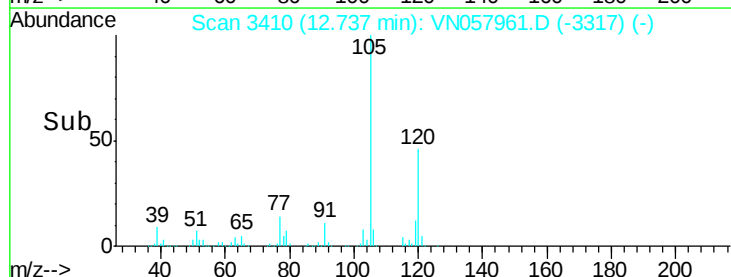
0

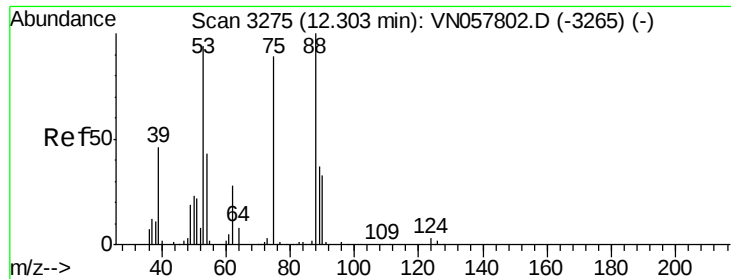
12.74

12.70

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 16.650 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057961.D

Acq: 12 Sep 2019 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS01

Tot Ion: 75 Resp: 28129

Ion Ratio Lower Upper

75 100

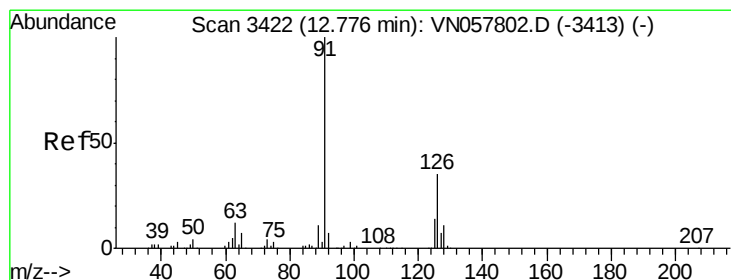
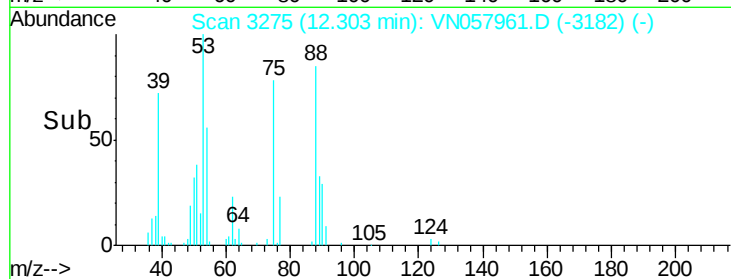
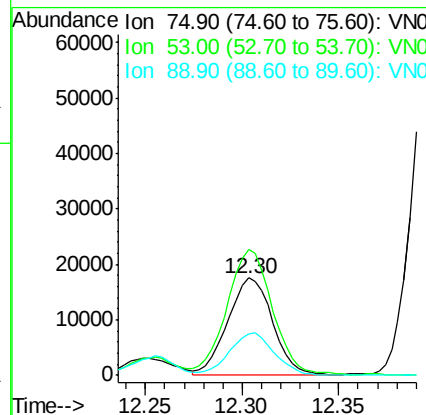
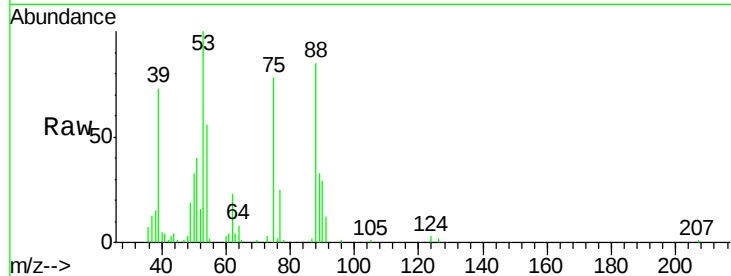
53 132.9 88.4 132.6#

89 43.7 35.3 52.9

Manual Integrations
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9/13/2019 1:05:32 PM



#82

4-Chlorotoluene

Concen: 19.337 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN057961.D

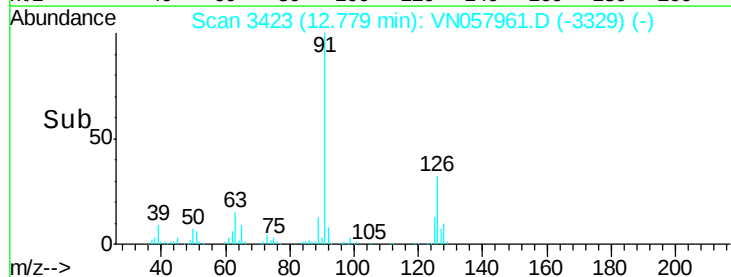
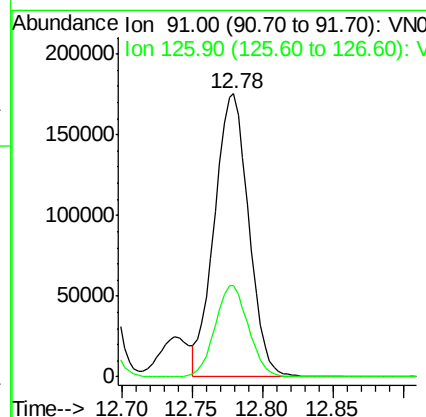
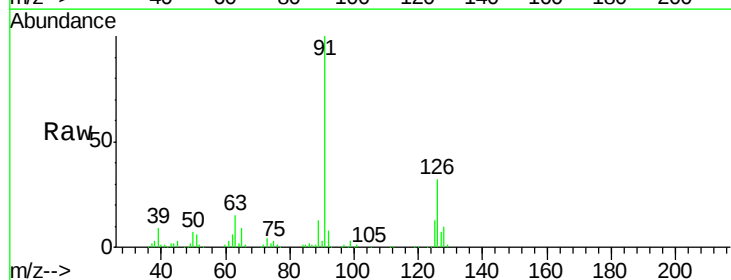
Acq: 12 Sep 2019 11:36

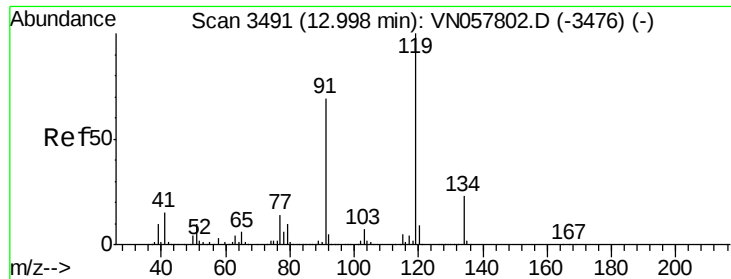
Tgt Ion: 91 Resp: 293908

Ion Ratio Lower Upper

91 100

126 31.7 16.0 48.0





#83

tert-Butylbenzene

Concen: 20.273 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN057961.D

Acq: 12 Sep 2019 11:36

Instrument :

MSVOA_N

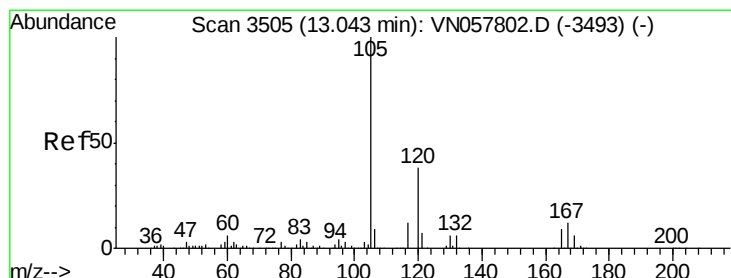
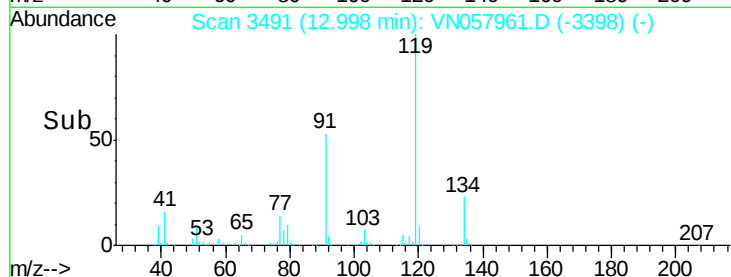
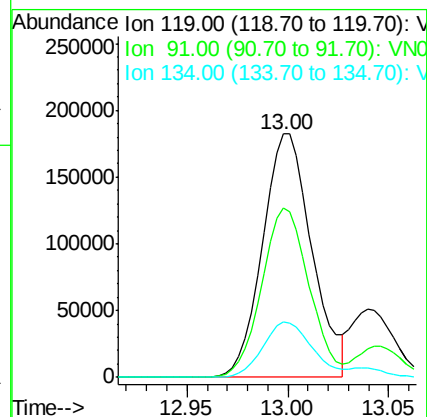
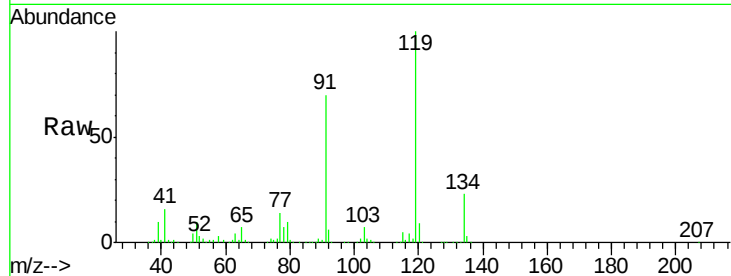
ClientSampleId :

VN0913WBS01

Tot Ion:	119	Resp:	310504
Ion Ratio	Lower	Upper	
119	100		
91	66.6	33.6	100.8
134	22.6	11.7	35.0

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.125 ug/l

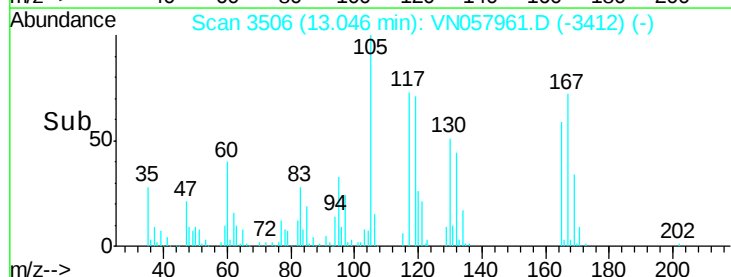
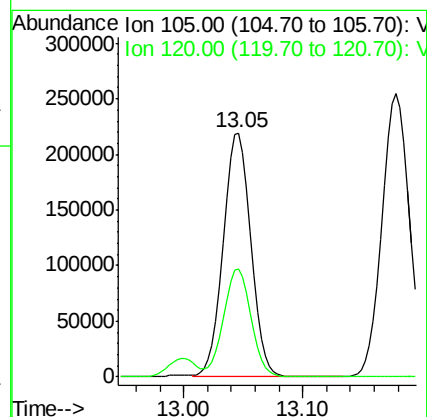
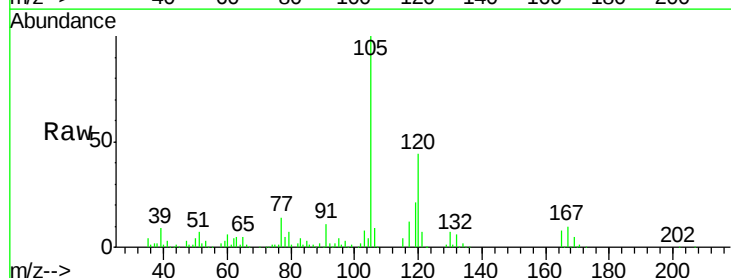
RT: 13.05 min Scan# 3506

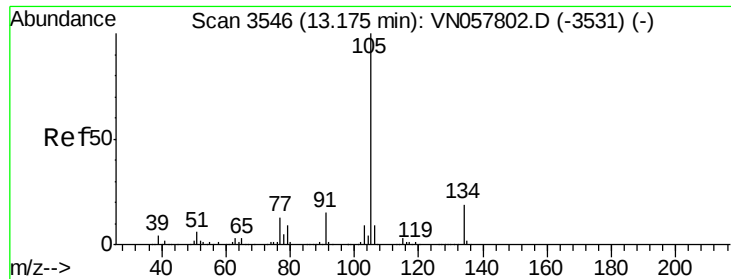
Delta R.T. 0.00 min

Lab File: VN057961.D

Acq: 12 Sep 2019 11:36

Tgt Ion:	105	Resp:	352443
Ion Ratio	Lower	Upper	
105	100		
120	44.1	22.4	67.2





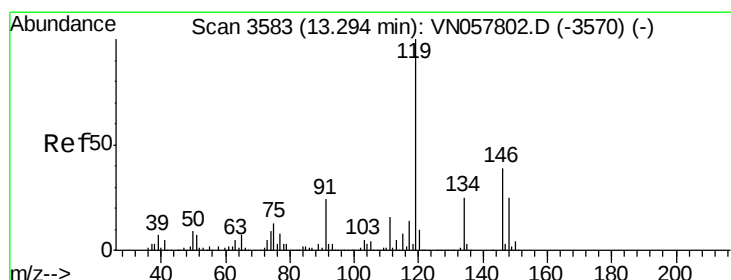
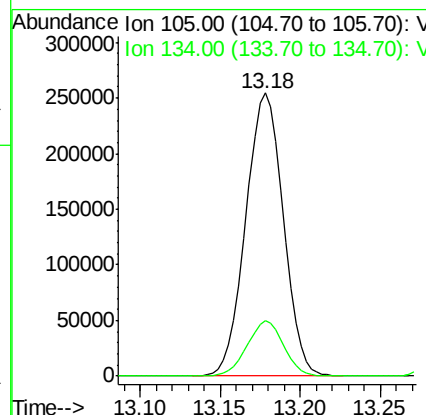
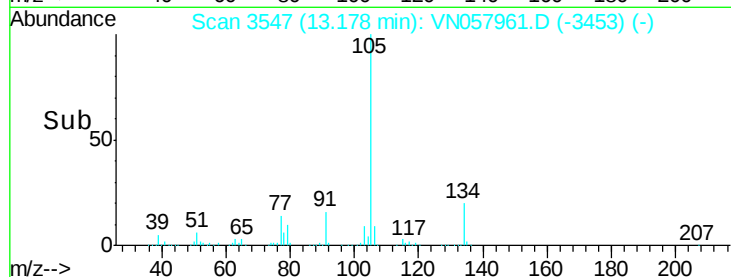
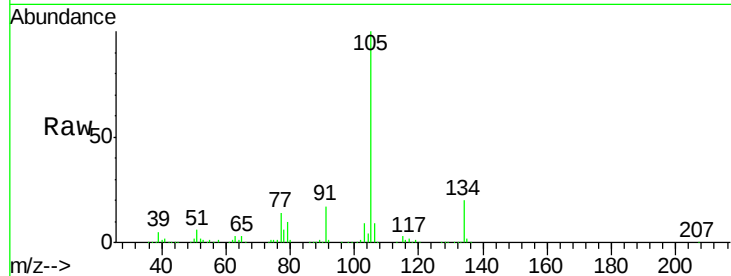
#85
 sec-Butylbenzene
 Concen: 20.084 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN057961.D
 Acq: 12 Sep 2019 11:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.6	28.6

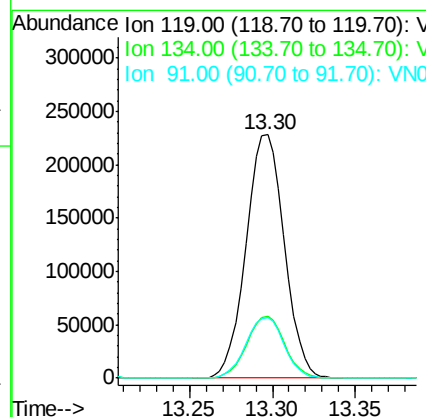
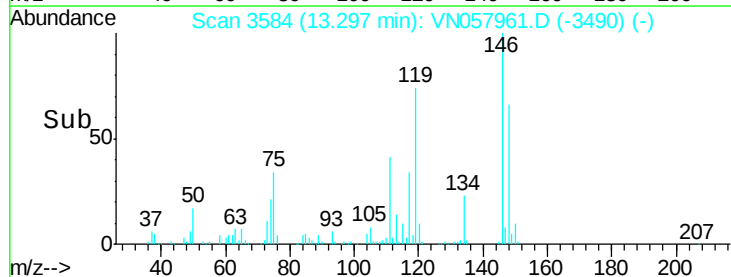
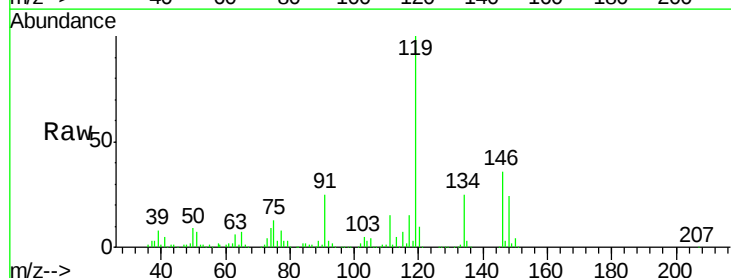
Manual Integrations
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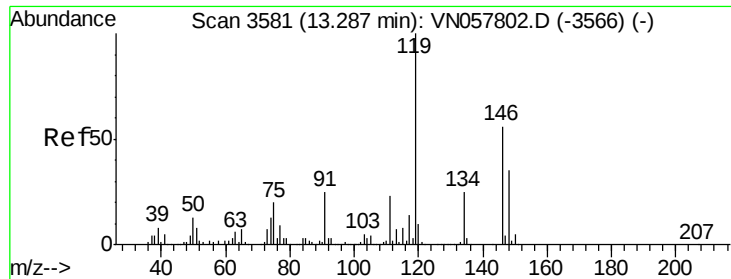
MMDadoda
 9/13/2019 1:05:32 PM



#86
 p-Isopropyltoluene
 Concen: 20.402 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN057961.D
 Acq: 12 Sep 2019 11:36

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.5	37.5
91	25.1	12.3	36.8





#87

1,3-Dichlorobenzene

Concen: 19.217 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057961.D

Acq: 12 Sep 2019 11:36

Instrument :

MSVOA_N

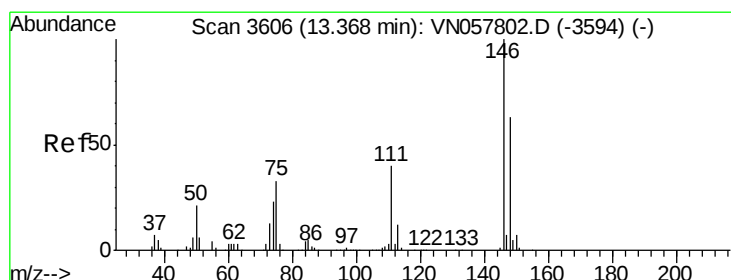
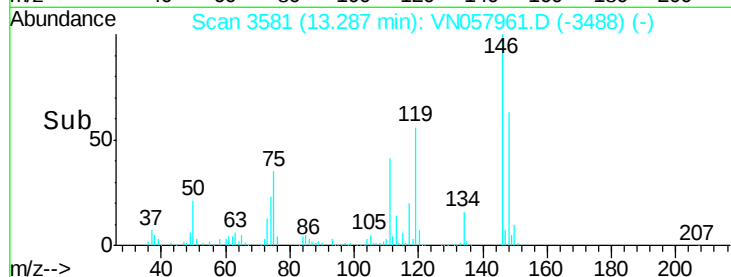
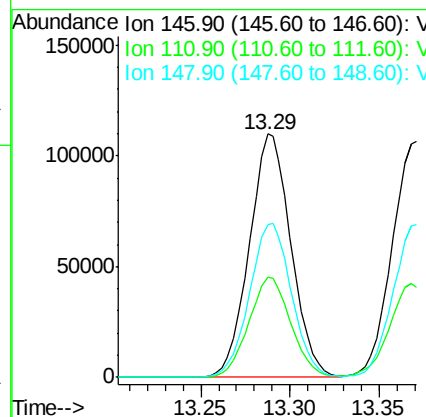
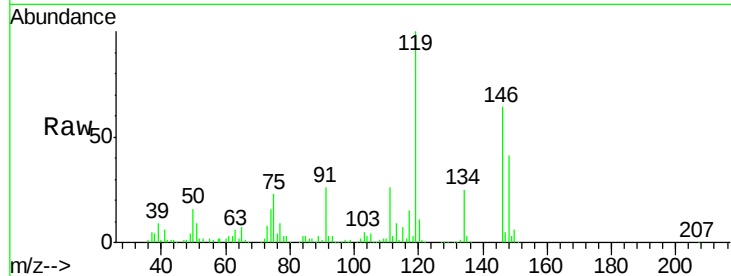
ClientSampled :

VN0913WBS01

Tot Ion:	146	Resp:	179336
Ion Ratio	Lower	Upper	
146	100		
111	41.5	20.5	61.6
148	63.8	31.5	94.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.861 ug/l

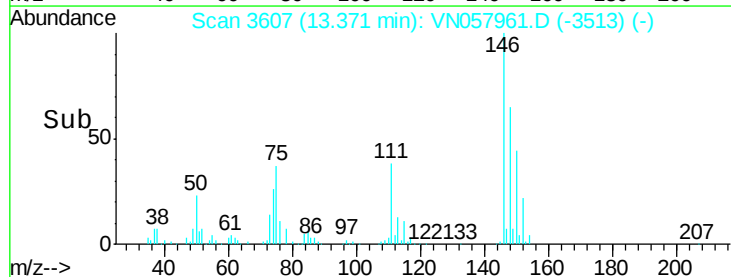
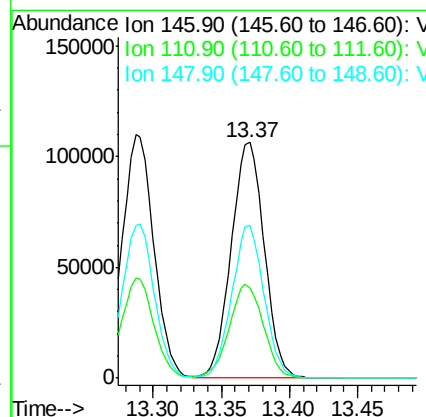
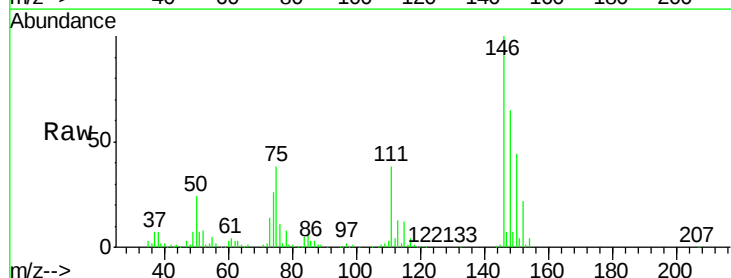
RT: 13.37 min Scan# 3607

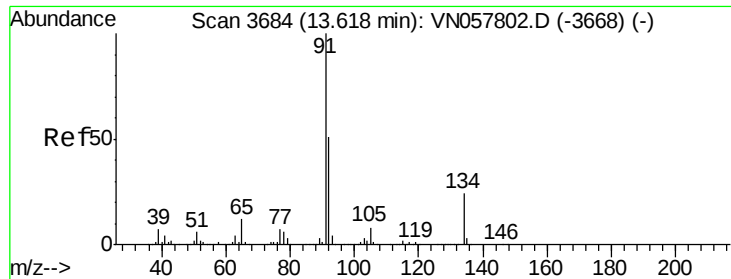
Delta R.T. 0.00 min

Lab File: VN057961.D

Acq: 12 Sep 2019 11:36

Tgt Ion:	146	Resp:	178664
Ion Ratio	Lower	Upper	
146	100		
111	41.1	20.4	61.2
148	62.8	31.8	95.4





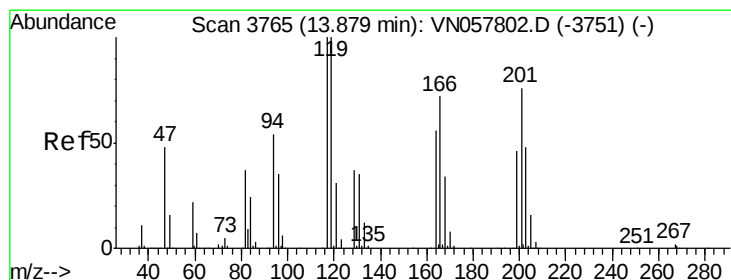
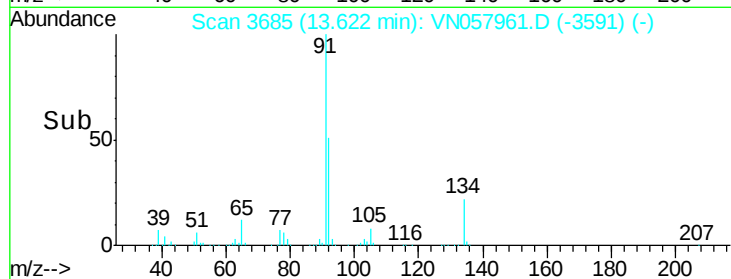
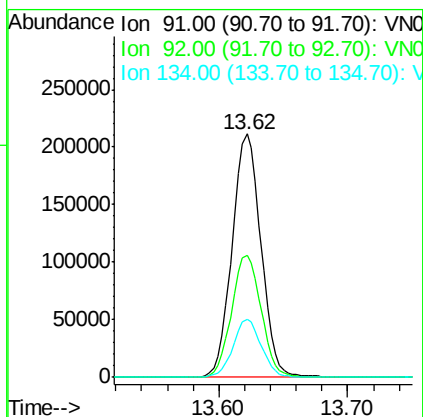
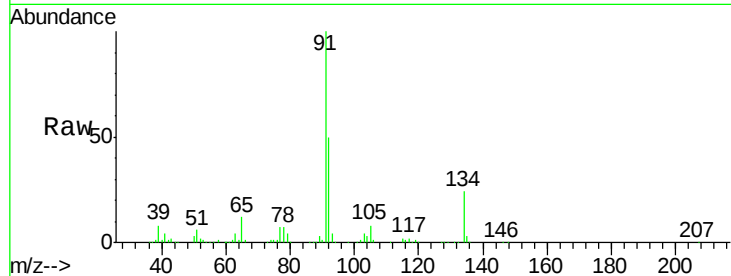
#89
n-Butylbenzene
Concen: 19.529 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN057961.D
Acq: 12 Sep 2019 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	25.7	77.0
134	23.5	11.9	35.7

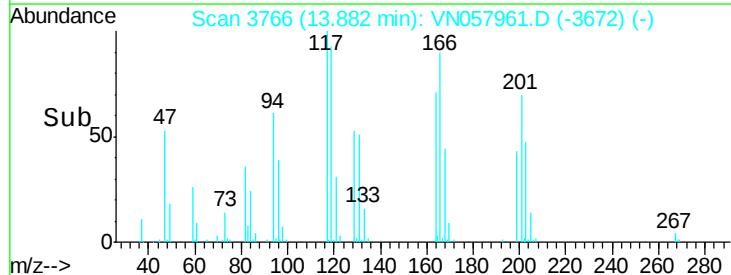
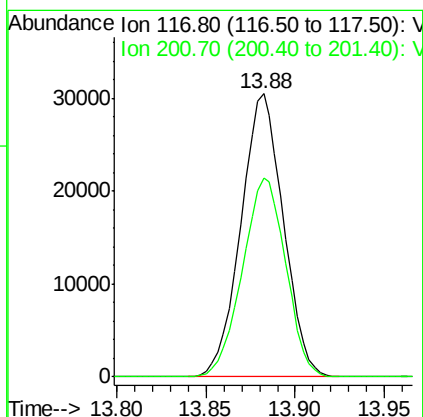
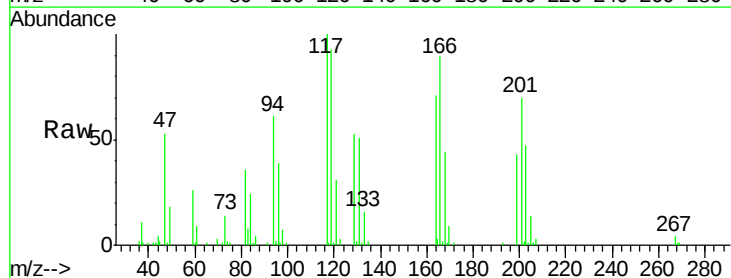
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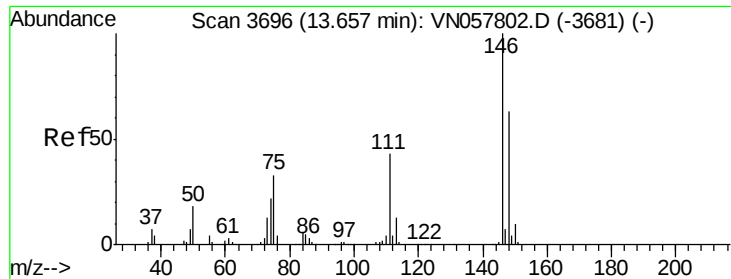
MMDadoda
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#90
Hexachloroethane
Concen: 19.086 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN057961.D
Acq: 12 Sep 2019 11:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.5	37.5	112.7





#91

1,2-Dichlorobenzene

Concen: 19.052 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN057961.D

Acq: 12 Sep 2019 11:36

Instrument :

MSVOA_N

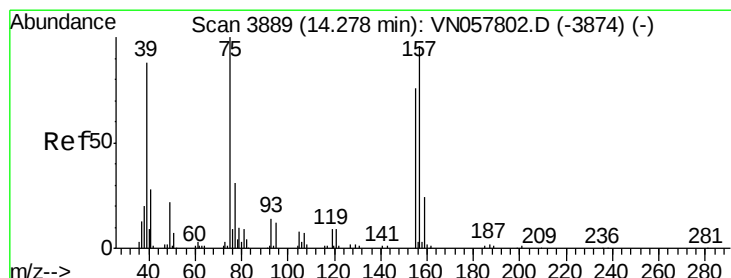
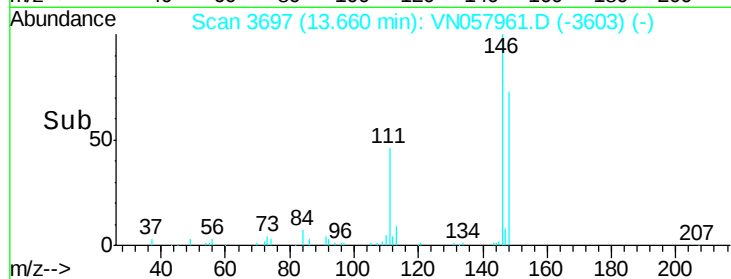
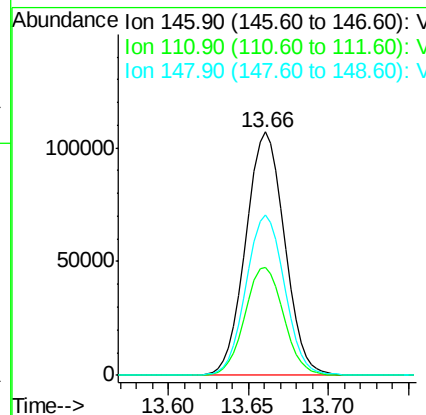
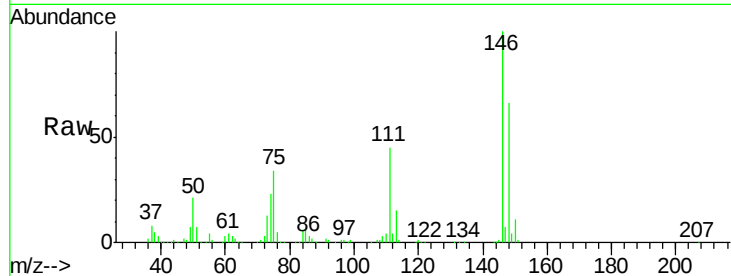
ClientSampled :

VN0913WBS01

Tot Ion:	146	Resp:	177634
Ion Ratio	Lower	Upper	
146	100		
111	44.3	21.3	63.9
148	65.5	31.4	94.3

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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.282 ug/l

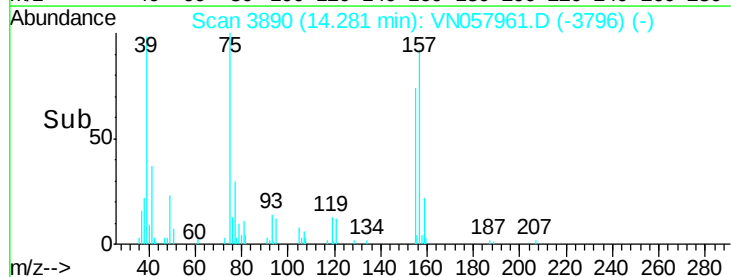
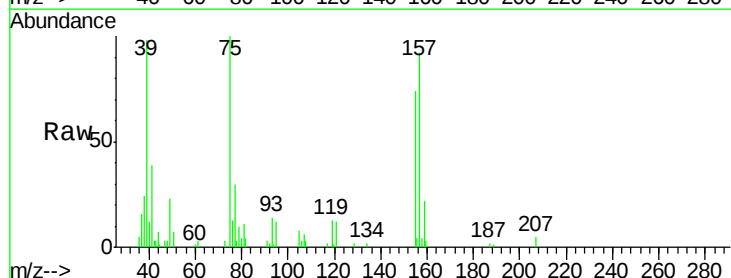
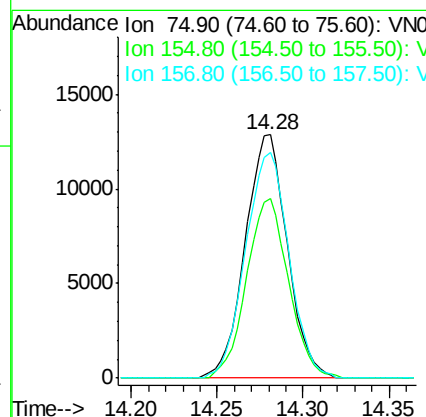
RT: 14.28 min Scan# 3890

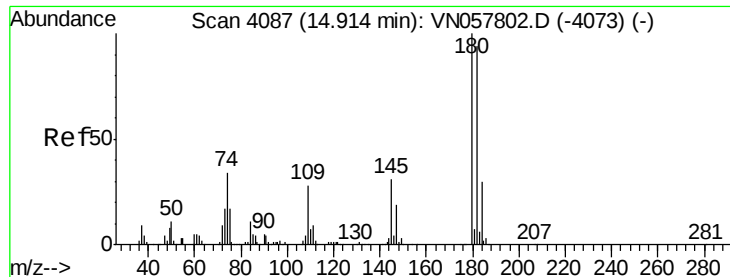
Delta R.T. 0.00 min

Lab File: VN057961.D

Acq: 12 Sep 2019 11:36

Tgt Ion:	75	Resp:	21864
Ion Ratio	Lower	Upper	
75	100		
155	73.5	37.3	111.8
157	95.8	47.9	143.8





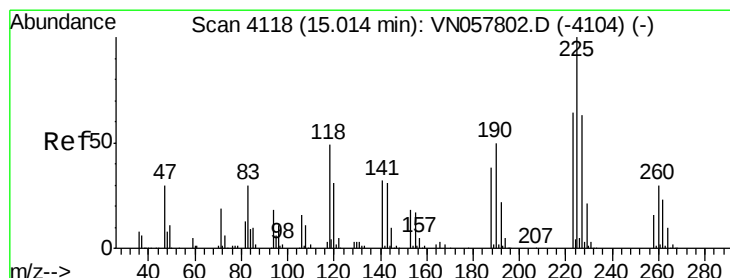
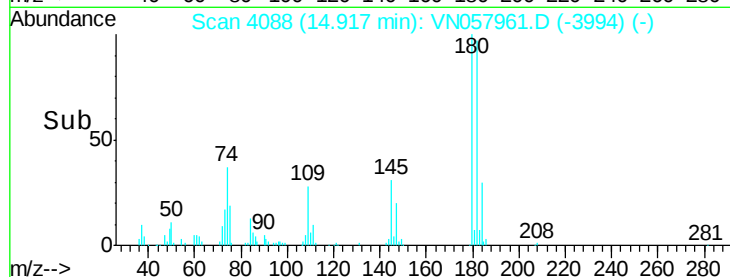
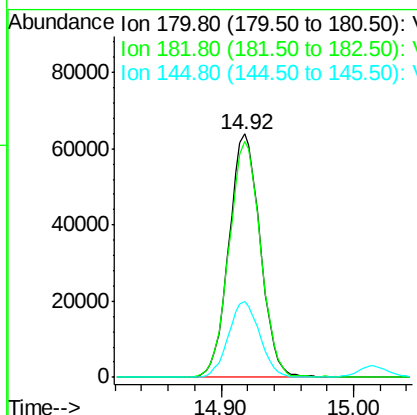
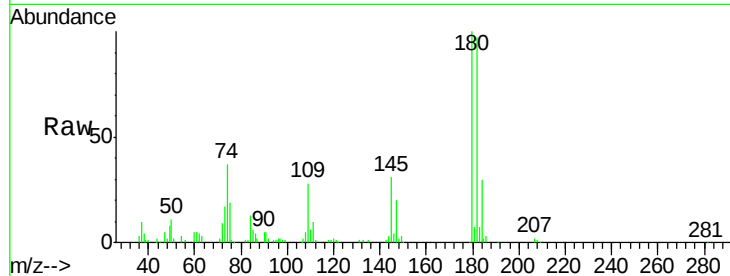
#93
 1,2,4-Trichlorobenzene
 Concen: 17.156 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN057961.D
 Acq: 12 Sep 2019 11:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.7	46.9	140.8	
145	31.3	14.9	44.7	

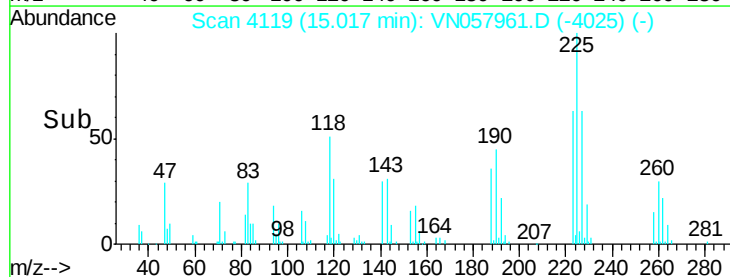
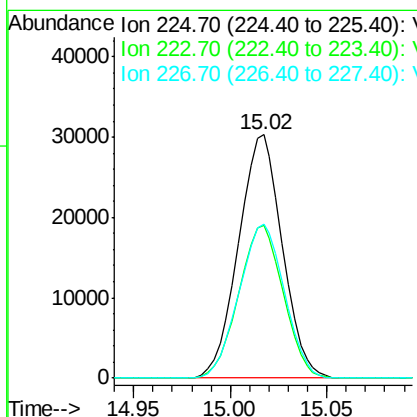
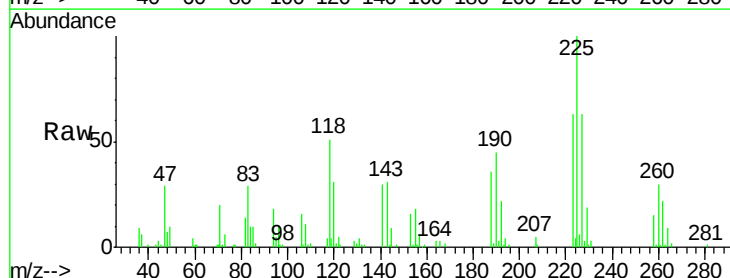
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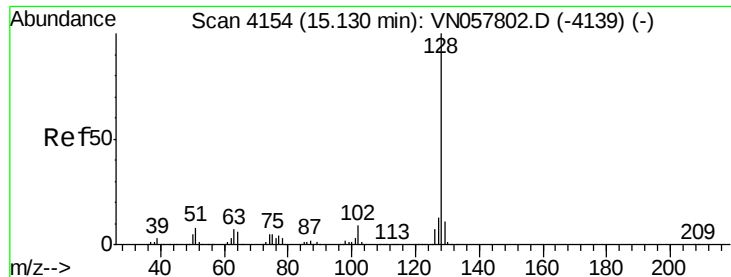
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#94
 Hexachlorobutadiene
 Concen: 18.434 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN057961.D
 Acq: 12 Sep 2019 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.9	32.4	97.2	
227	65.6	31.8	95.4	





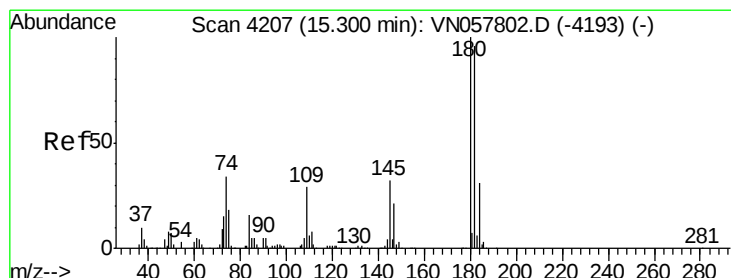
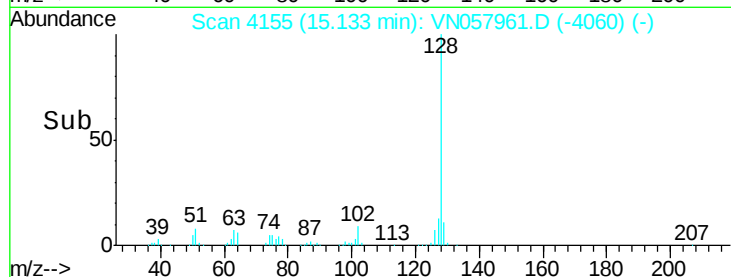
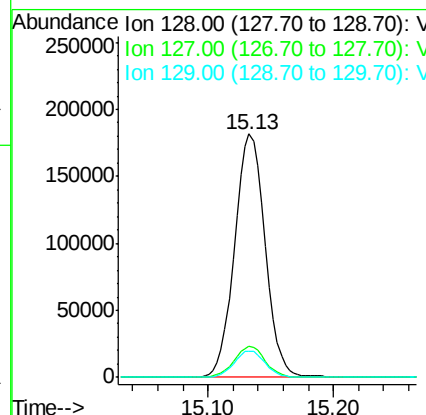
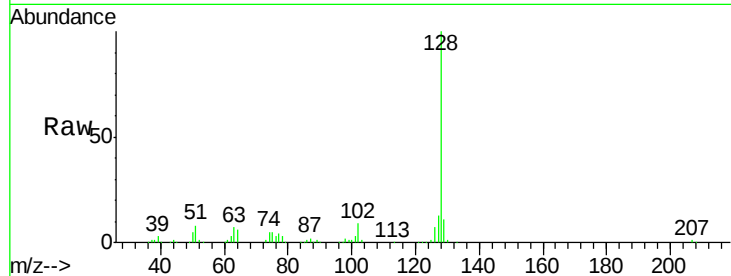
#95
Naphthalene
Concen: 18.962 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN057961.D
Acq: 12 Sep 2019 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	306731		
127	12.9		10.3	15.5
129	11.0		8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.023 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN057961.D
Acq: 12 Sep 2019 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	103275		
182	95.6		48.3	144.8
145	33.0		16.3	48.8

