

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\
 Data File : VN058014.D
 Acq On : 13 Sep 2019 13:30
 Operator : JC/SP
 Sample : VN0914WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 2:49:57 PM

Quant Time: Sep 14 03:20:38 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	310461	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	507712	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	467824	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	272012	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	325995	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
35) Dibromofluoromethane	7.57	113	229056	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
50) Toluene-d8	10.08	98	917444	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
62) 4-Bromofluorobenzene	12.41	95	314081	45.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.60%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	84165	19.603	ug/l	98
3) Chloromethane	2.04	50	74433	17.009	ug/l	96
4) Vinyl Chloride	2.17	62	75493	16.300	ug/l	100
5) Bromomethane	2.53	94	44211	16.347	ug/l	97
6) Chloroethane	2.67	64	49762	16.861	ug/l	100
7) Trichlorofluoromethane	3.00	101	104356	17.905	ug/l	98
8) Diethyl Ether	3.39	74	48487	19.946	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	75217	20.457	ug/l	99
10) Methyl Iodide	3.93	142	67211	16.427	ug/l	96
11) Tert butyl alcohol	4.77	59	57282	75.265	ug/l	97
12) 1,1-Dichloroethene	3.72	96	59900	18.119	ug/l	91
13) Acrolein	3.59	56	7373m	11.419	ug/l	
14) Allyl chloride	4.30	41	116019	17.933	ug/l	97
15) Acrylonitrile	4.96	53	211171	100.949	ug/l	100
16) Acetone	3.80	43	174069	84.443	ug/l	98
17) Carbon Disulfide	4.03	76	81363	15.922	ug/l	99
18) Methyl Acetate	4.30	43	118180	21.502	ug/l	97
19) Methyl tert-butyl Ether	5.02	73	282534	20.536	ug/l	98
20) Methylene Chloride	4.53	84	85083	20.966	ug/l	96
21) trans-1,2-Dichloroethene	5.02	96	66391	18.578	ug/l	94
22) Diisopropyl ether	5.93	45	316079	20.833	ug/l	98
23) Vinyl Acetate	5.87	43	1100690	102.368	ug/l	98
24) 1,1-Dichloroethane	5.83	63	168520	20.324	ug/l	99
25) 2-Butanone	6.82	43	280296	93.948	ug/l	98
26) 2,2-Dichloropropane	6.81	77	122044	18.599	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	92519	19.319	ug/l	97
28) Bromochloromethane	7.18	49	82014	19.798	ug/l	95
29) Tetrahydrofuran	7.19	42	175634	95.533	ug/l	99
30) Chloroform	7.36	83	173788	20.045	ug/l	97
31) Cyclohexane	7.64	56	118377	19.590	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	134743	19.596	ug/l	99
36) 1,1-Dichloropropene	7.78	75	108031	18.347	ug/l	99
37) Ethyl Acetate	6.91	43	115890	19.050	ug/l	100
38) Carbon Tetrachloride	7.76	117	103909	19.329	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	112605	18.192	ug/l	98
40) Benzene	8.03	78	351499	19.828	ug/l	99
41) Methacrylonitrile	7.16	41	60122m	21.771	ug/l	
42) 1,2-Dichloroethane	8.11	62	144016	20.313	ug/l	100
43) Isopropyl Acetate	8.15	43	215734	21.087	ug/l #	88
44) Trichloroethene	8.82	130	85666	19.703	ug/l	99
45) 1,2-Dichloropropane	9.11	63	103271	20.020	ug/l	99
46) Dibromomethane	9.20	93	62075	19.915	ug/l	98
47) Bromodichloromethane	9.40	83	123790	19.888	ug/l	100
48) Methyl methacrylate	9.19	41	98833	19.044	ug/l	100
49) 1,4-Dioxane	9.20	88	21942	250.022	ug/l	93
51) 4-Methyl-2-Pentanone	9.98	43	623835	103.043	ug/l	98
52) Toluene	10.15	92	213978	19.165	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	121259	18.499	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	139775	19.314	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	96493	20.403	ug/l	98
56) Ethyl methacrylate	10.43	69	134963	18.950	ug/l	98
57) 1,3-Dichloropropane	10.71	76	163529	20.063	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	308046	91.833	ug/l	100
59) 2-Hexanone	10.75	43	431319	95.051	ug/l	99
60) Dibromochloromethane	10.90	129	81294	18.511	ug/l	98
61) 1,2-Dibromoethane	11.00	107	88410	19.773	ug/l	100
64) Tetrachloroethene	10.63	164	67645	19.584	ug/l	93
65) Chlorobenzene	11.43	112	240835	19.671	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	83919	19.753	ug/l	98
67) Ethyl Benzene	11.51	91	430866	20.081	ug/l	99
68) m/p-Xylenes	11.62	106	312851	39.805	ug/l	99
69) o-Xylene	11.95	106	155725	19.930	ug/l	98
70) Styrene	11.97	104	269854	20.068	ug/l	100
71) Bromoform	12.13	173	47484	17.927	ug/l #	99
73) Isopropylbenzene	12.25	105	437910	20.747	ug/l	100
74) N-amyl acetate	12.07	43	179258	19.514	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	140926	19.830	ug/l	97
76) 1,2,3-Trichloropropane	12.56	75	118378m	19.238	ug/l	
77) Bromobenzene	12.53	156	100279	19.055	ug/l	98
78) n-propylbenzene	12.60	91	505485	20.855	ug/l	99
79) 2-Chlorotoluene	12.68	91	306001	19.975	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	368968	20.689	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	26350	15.069	ug/l #	78
82) 4-Chlorotoluene	12.78	91	309250	19.658	ug/l	100
83) tert-Butylbenzene	13.00	119	317503	20.028	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	366616	20.226	ug/l	100
85) sec-Butylbenzene	13.18	105	434157	20.662	ug/l	100
86) p-Isopropyltoluene	13.29	119	381879	20.627	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	190956	19.769	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	189780	19.356	ug/l	99
89) n-Butylbenzene	13.62	91	341597	19.538	ug/l	99
90) Hexachloroethane	13.88	117	51198	18.595	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	192920	19.992	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	22632	19.283	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	112274	17.800	ug/l	98
94) Hexachlorobutadiene	15.01	225	50968	19.062	ug/l	98
95) Naphthalene	15.13	128	317722	18.978	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	109552	20.496	ug/l	99

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

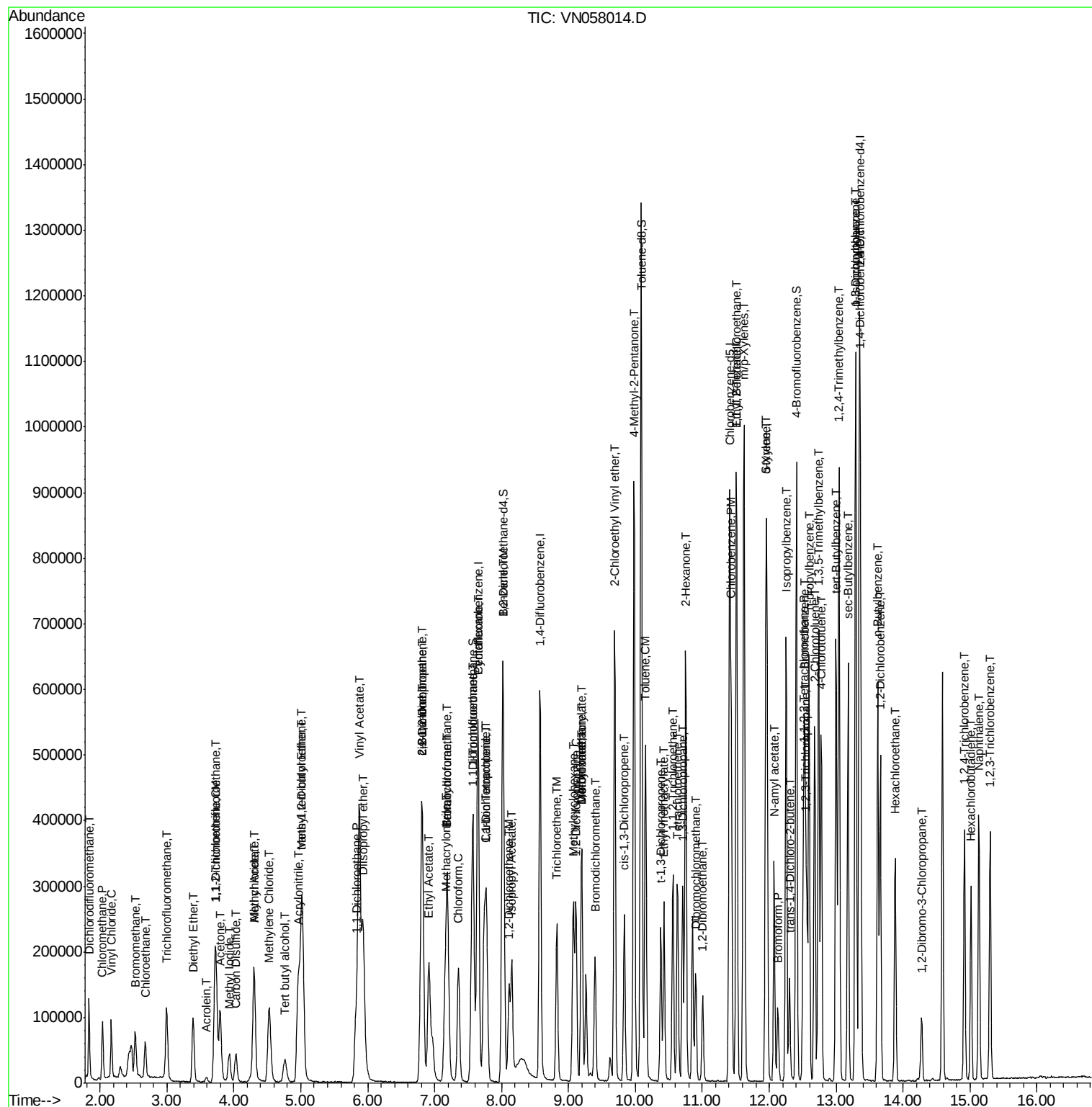
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\
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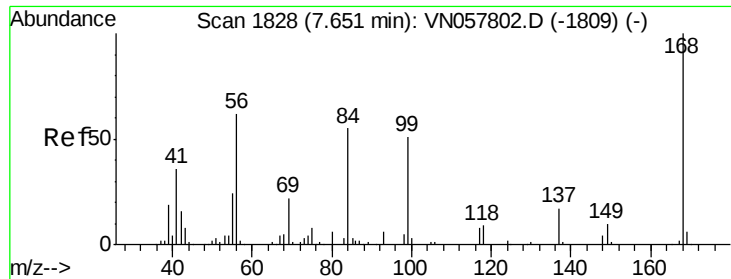
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS02

Tot Ion:168 Resp: 310461

Ion Ratio Lower Upper

168 100

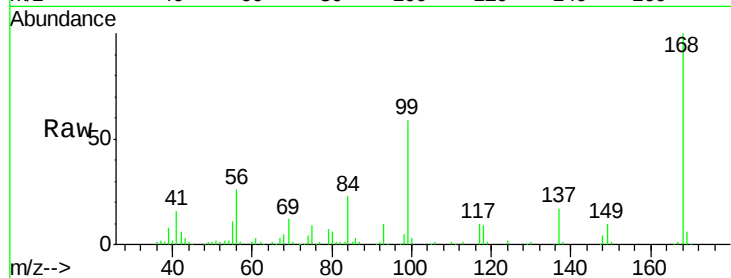
99 59.2 48.0 72.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

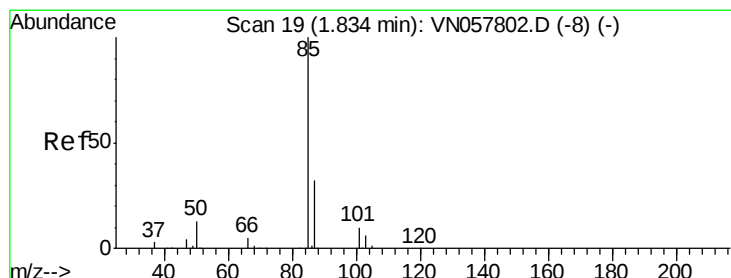
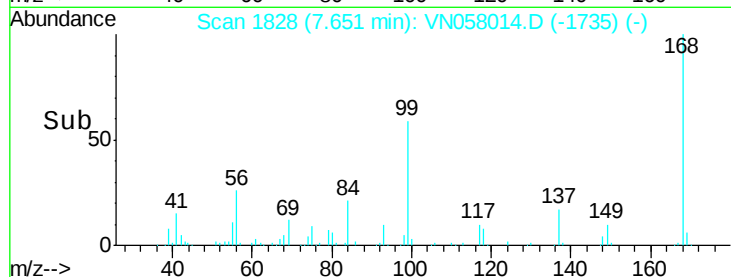
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50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.603 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058014.D

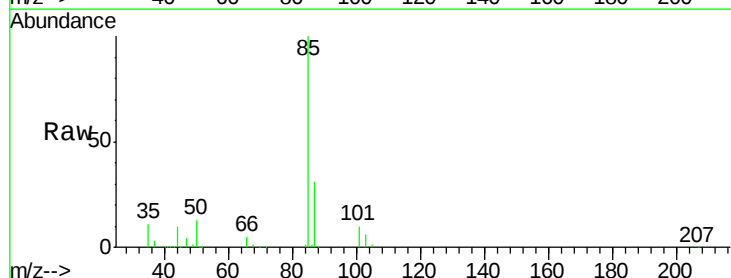
Acq: 13 Sep 2019 13:30

Tgt Ion: 85 Resp: 84165

Ion Ratio Lower Upper

85 100

87 30.7 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

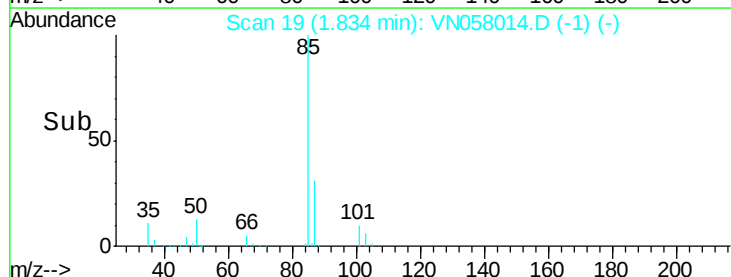
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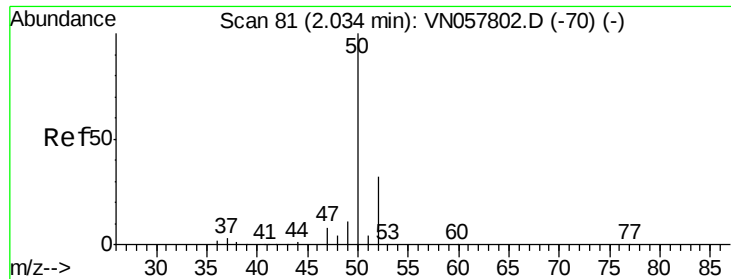
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 17.009 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS02

Tot Ion: 50 Resp: 74433

Ion Ratio Lower Upper

50 100

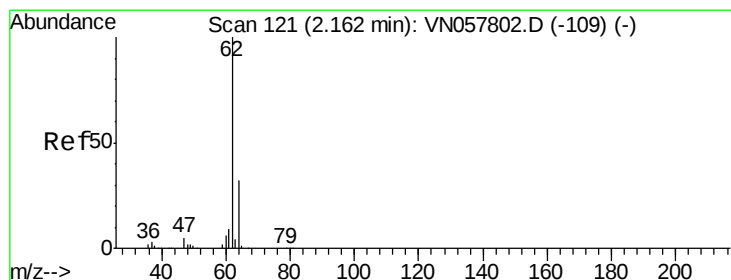
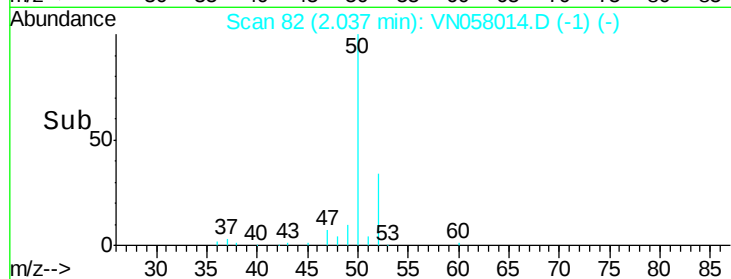
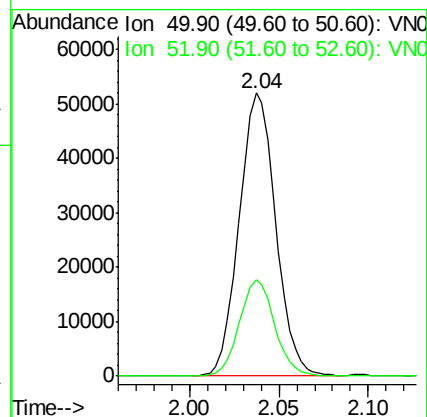
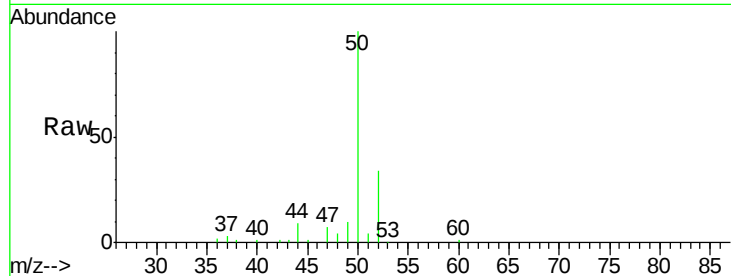
52 34.1 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.300 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN058014.D

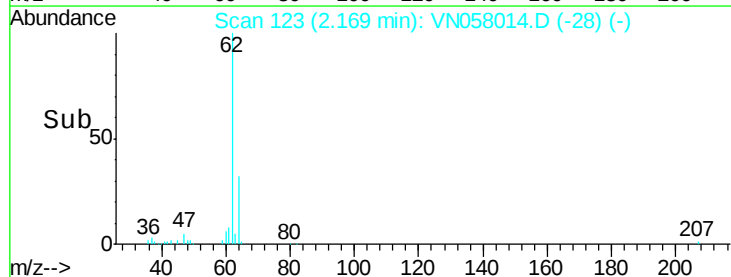
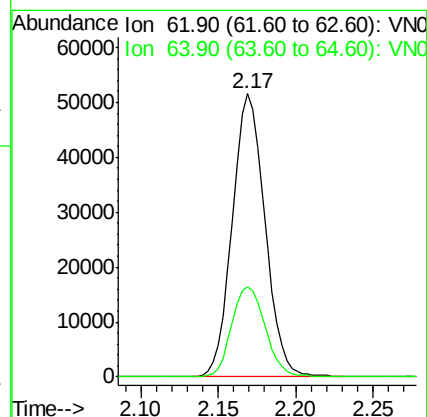
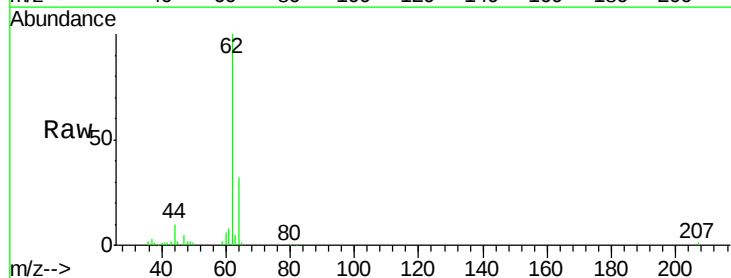
Acq: 13 Sep 2019 13:30

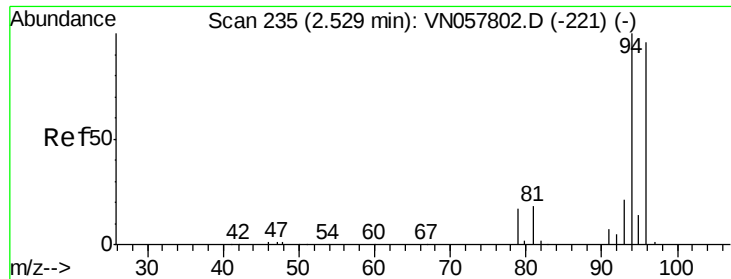
Tgt Ion: 62 Resp: 75493

Ion Ratio Lower Upper

62 100

64 32.1 25.6 38.4





#5

Bromomethane

Concen: 16.347 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

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ClientSampleId :

VN0914WBS02

Tot Ion: 94 Resp: 44211

Ion Ratio Lower Upper

94 100

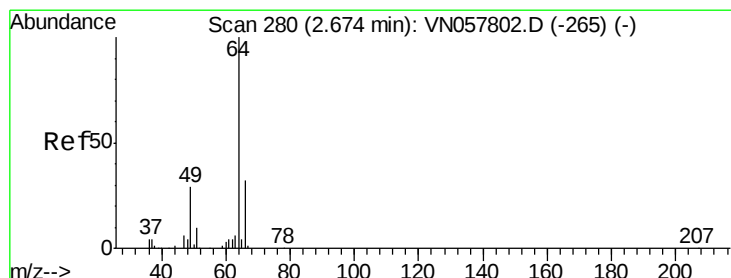
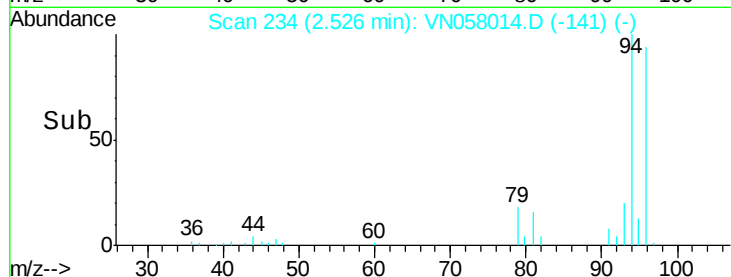
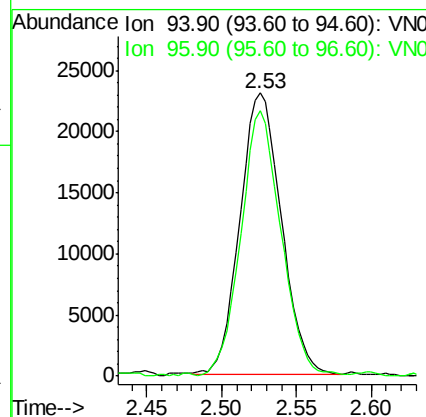
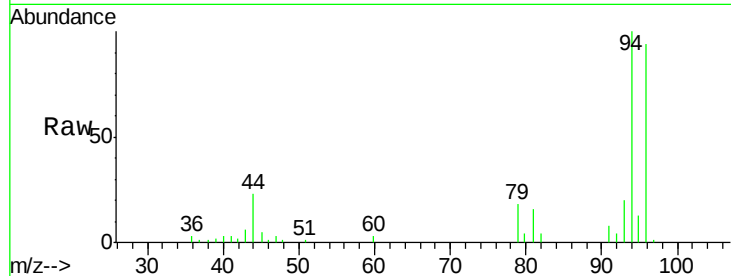
96 93.7 77.0 115.4

Manual Integrations

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#6

Chloroethane

Concen: 16.861 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN058014.D

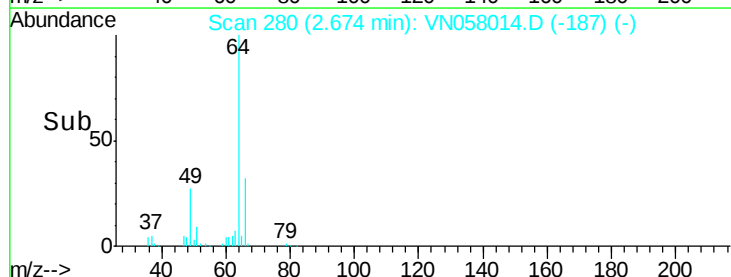
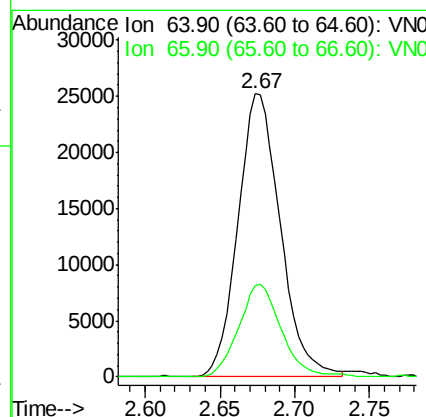
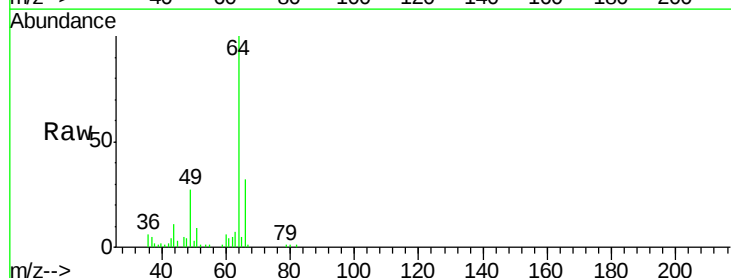
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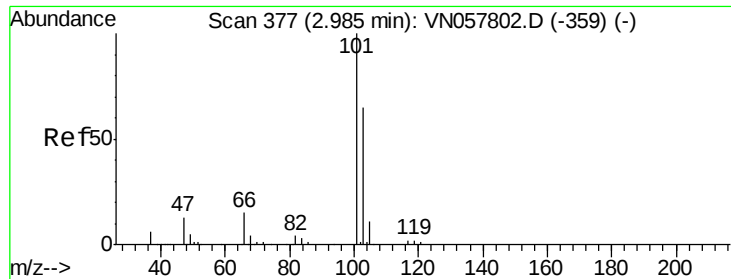
Tgt Ion: 64 Resp: 49762

Ion Ratio Lower Upper

64 100

66 32.1 25.5 38.3





#7

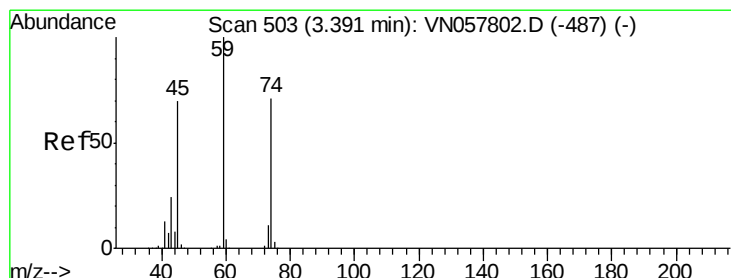
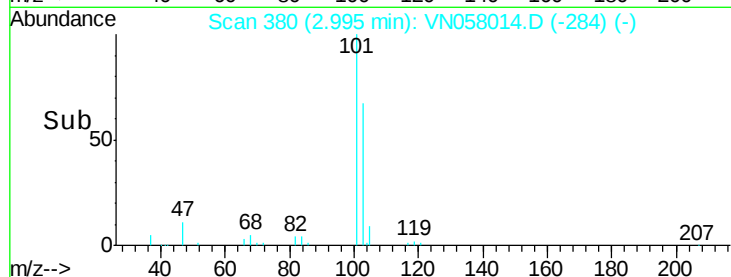
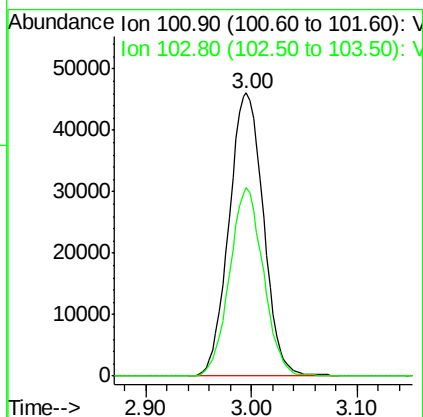
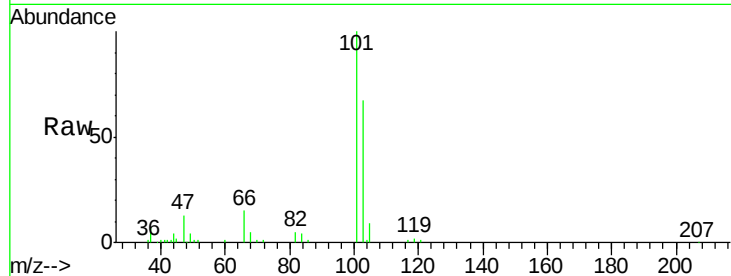
Trichlorofluoromethane
Concen: 17.905 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.01 min
Lab File: VN058014.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	104356		
103	66.6	51.9	77.9	

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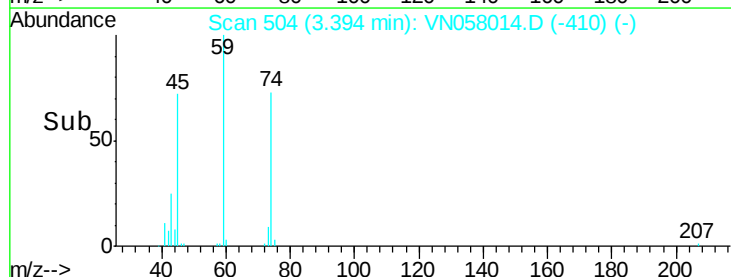
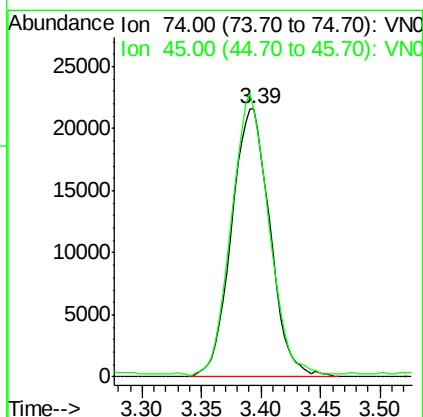
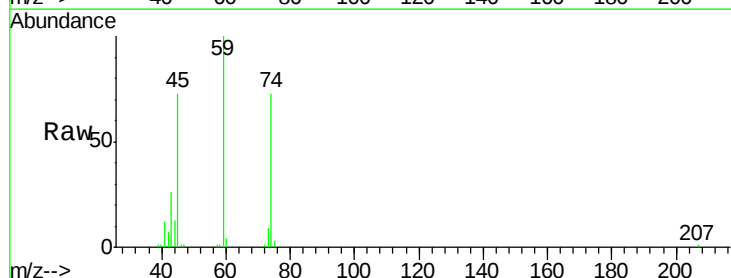
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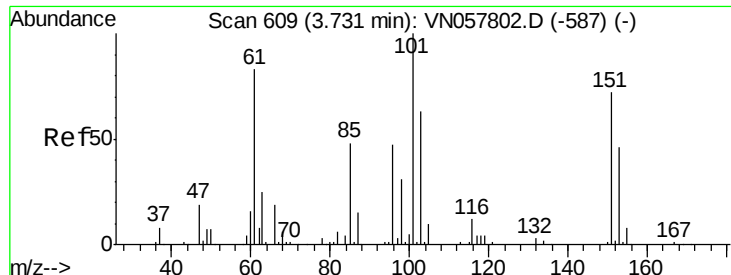


#8

Diethyl Ether
Concen: 19.946 ug/l
RT: 3.39 min Scan# 504
Delta R.T. 0.00 min
Lab File: VN058014.D
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Tgt Ion	Ratio	Resp	Lower	Upper
74	100	48487		
45	100.9	50.3	151.0	





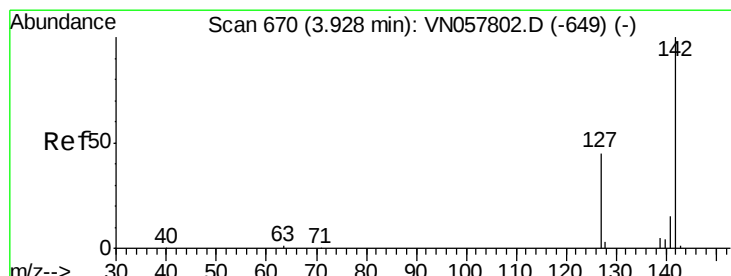
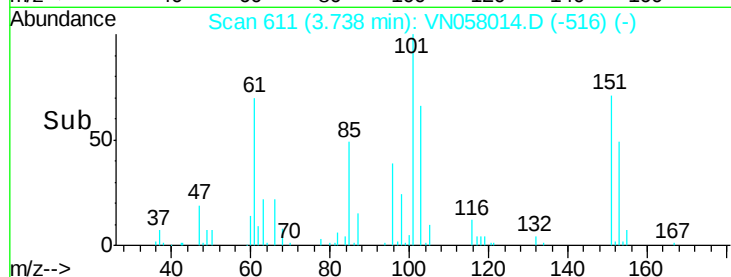
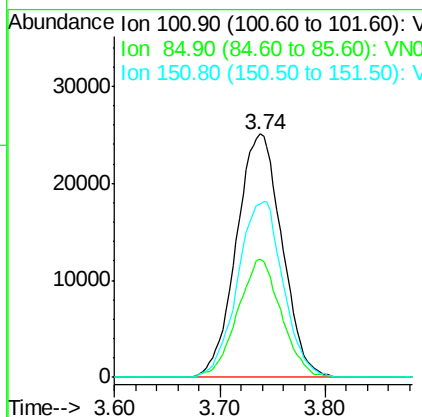
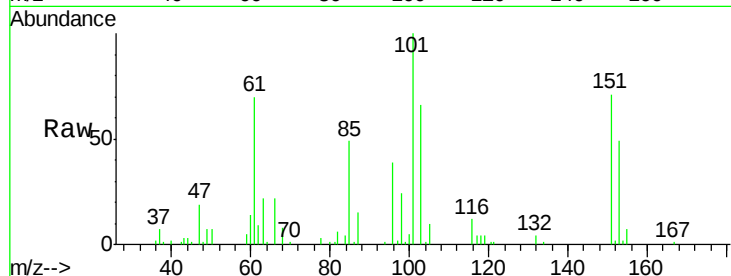
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.457 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.01 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
85	46.5	38.1	57.1
151	72.2	58.4	87.6

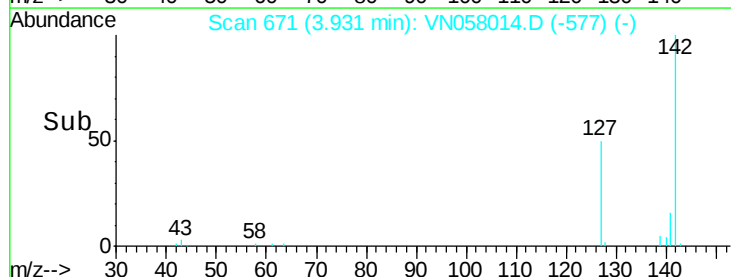
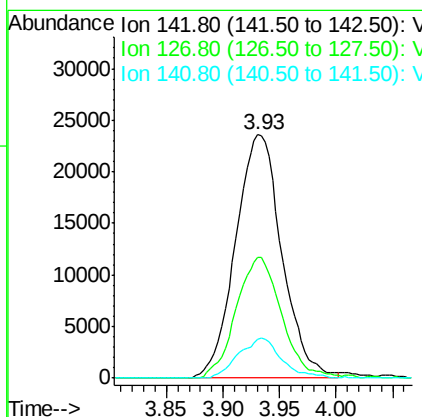
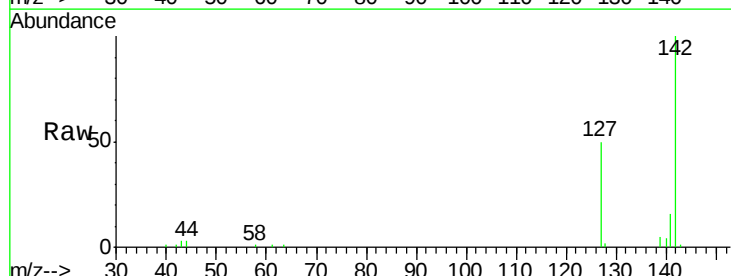
Manual Integrations
APPROVED

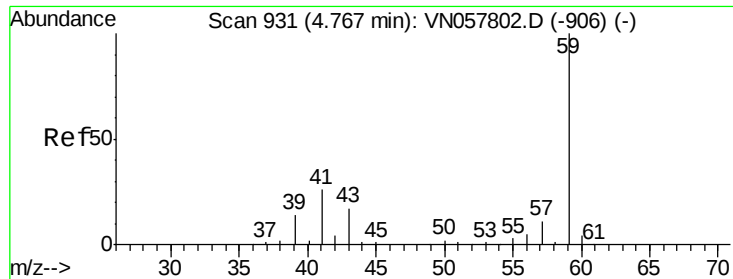
MMDadoda
9/16/2019 2:49:57 PM



#10
Methyl Iodide
Concen: 16.427 ug/l
RT: 3.93 min Scan# 671
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Tgt Ion	Ratio	Lower	Upper
142	100		
127	48.6	36.7	55.1
141	15.1	11.4	17.0





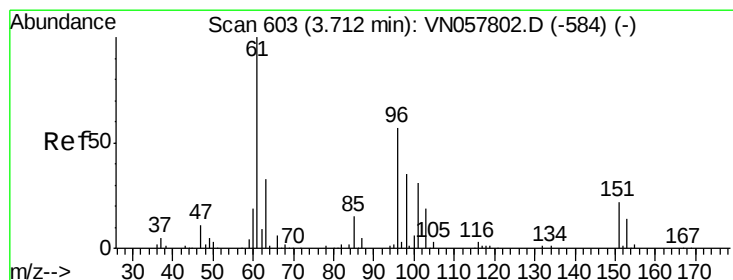
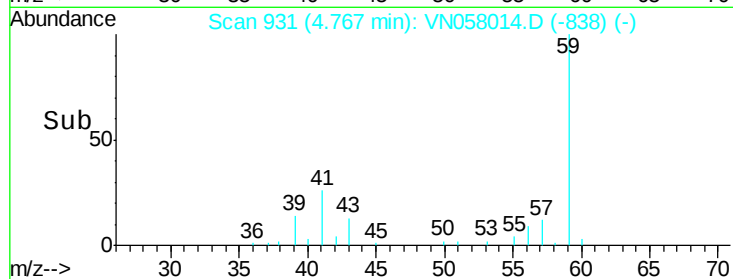
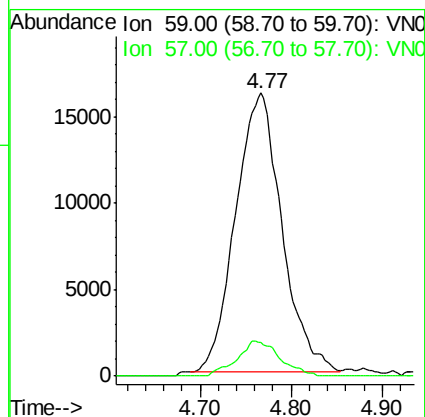
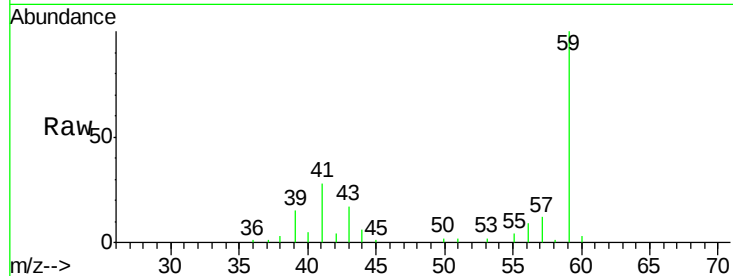
#11
Tert butyl alcohol
Concen: 75.265 ug/l
RT: 4.77 min Scan# 931
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS02

Tot Ion: 59 Resp: 57282
Ion Ratio Lower Upper
59 100
57 11.6 8.4 12.6

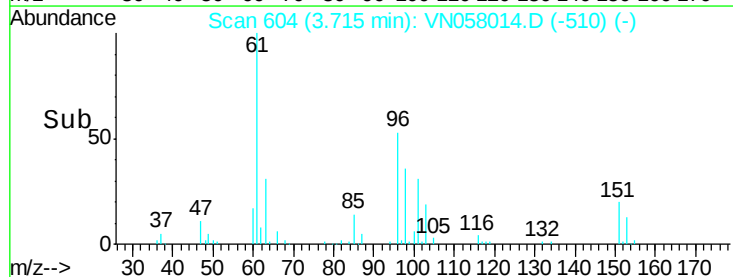
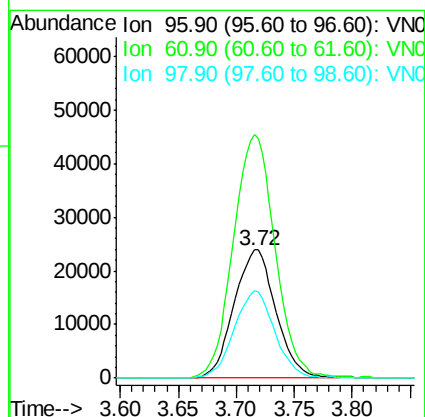
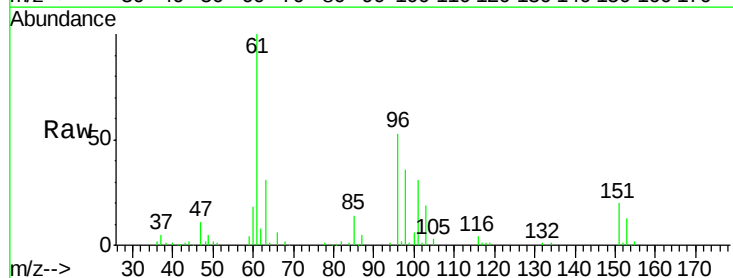
Manual Integrations
APPROVED

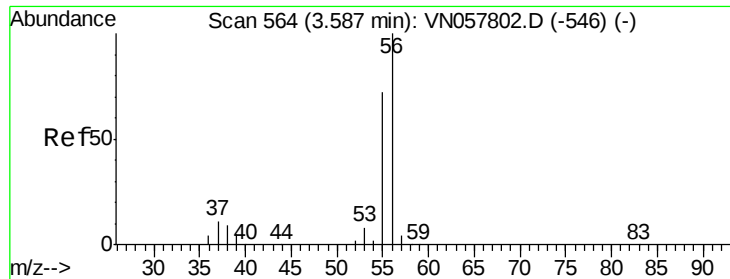
MMDadoda
9/16/2019 2:49:57 PM



#12
1,1-Dichloroethene
Concen: 18.119 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Tgt Ion: 96 Resp: 59900
Ion Ratio Lower Upper
96 100
61 190.0 141.2 211.8
98 68.6 49.9 74.9





#13

Acrolein

Concen: 11.419 ug/l m

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS02

Tot Ion: 56 Resp: 7373

Ion Ratio Lower Upper

56 100

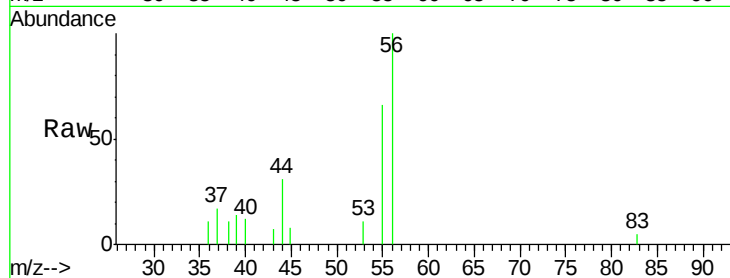
55 70.5 57.3 85.9

Manual Integrations

APPROVED

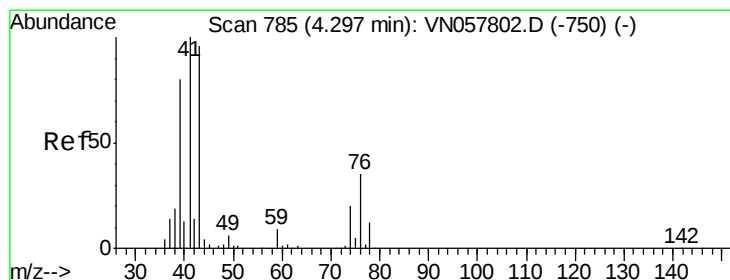
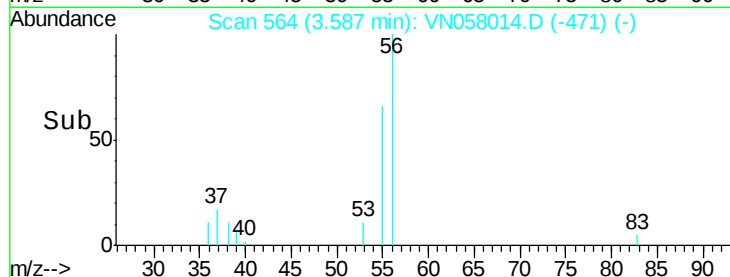
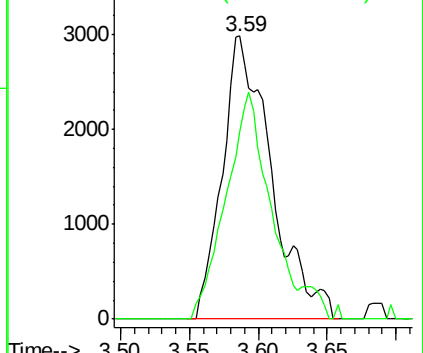
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 17.933 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

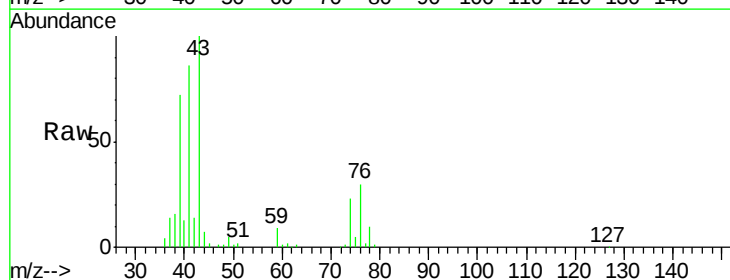
Tgt Ion: 41 Resp: 116019

Ion Ratio Lower Upper

41 100

39 76.2 59.4 89.2

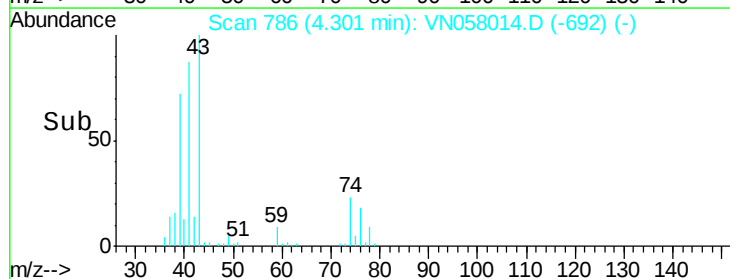
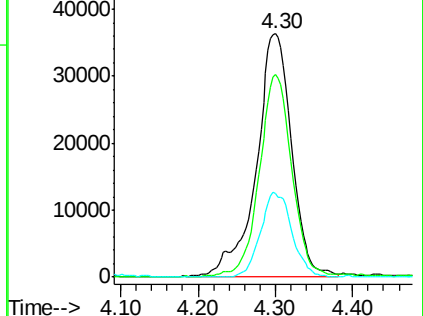
76 30.5 26.0 39.0

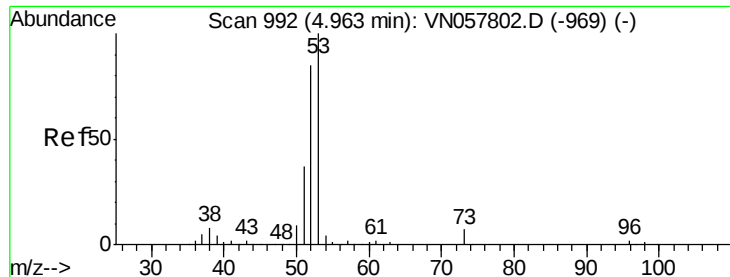


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 100.949 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

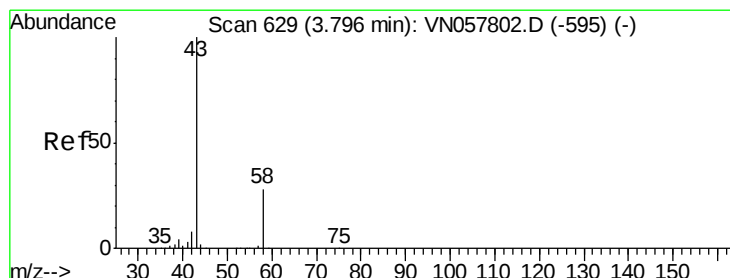
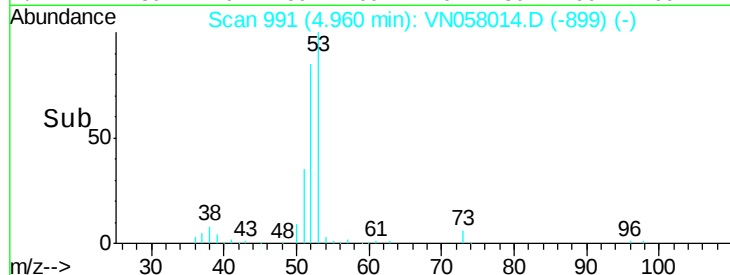
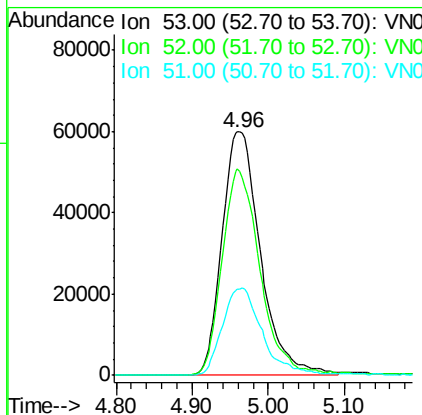
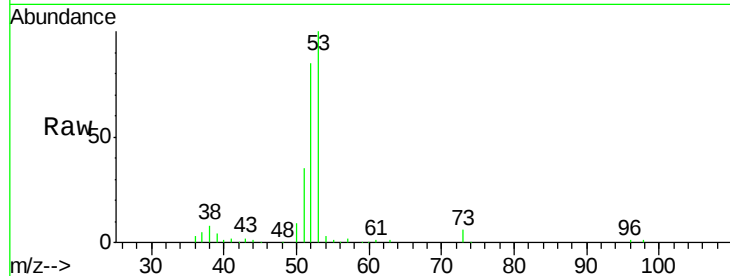
ClientSampleId :

VN0914WBS02

Tot Ion:	53	Resp:	211171
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.6	100.0
51	37.0	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 84.443 ug/l

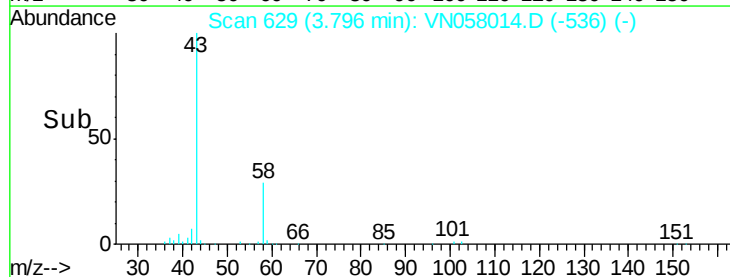
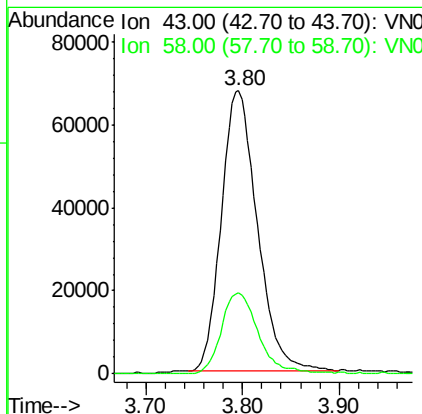
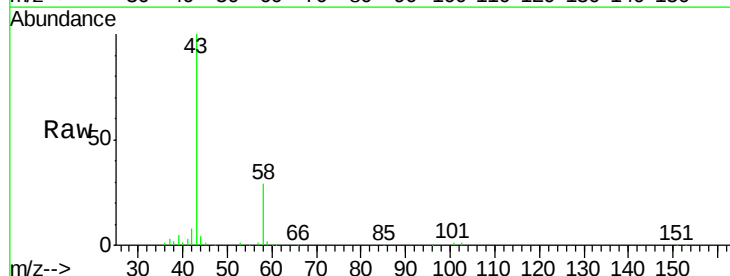
RT: 3.80 min Scan# 629

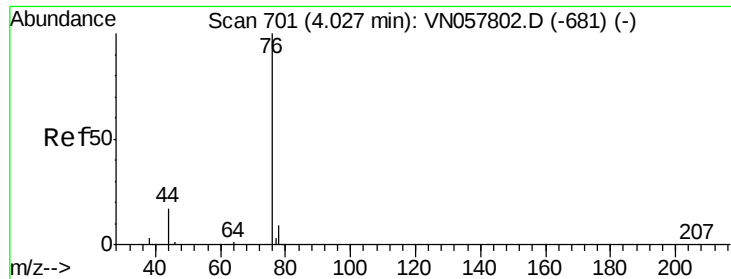
Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Tgt Ion:	43	Resp:	174069
Ion	Ratio	Lower	Upper
43	100		
58	29.0	22.2	33.2





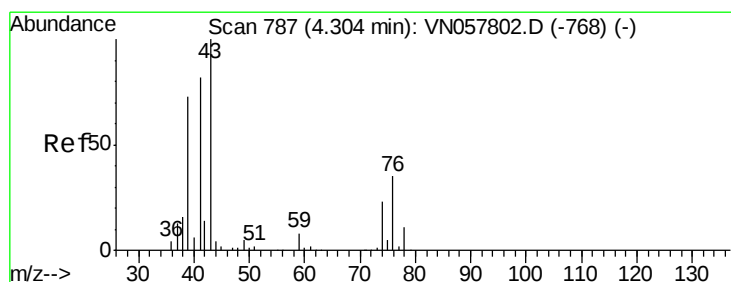
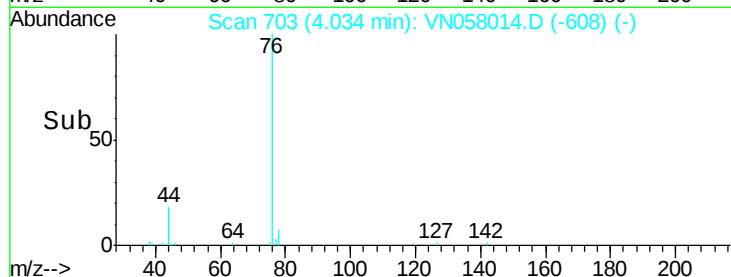
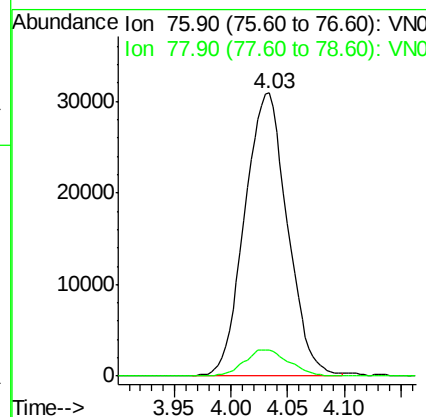
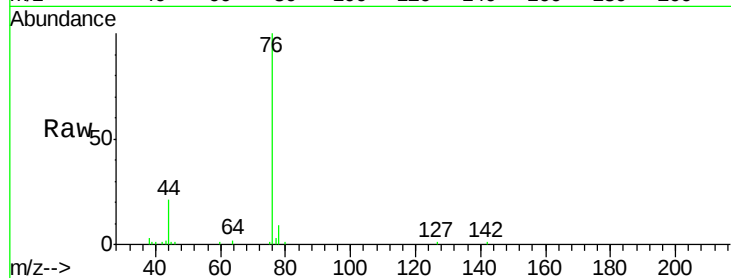
#17
Carbon Disulfide
Concen: 15.922 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.01 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS02

Tot Ion: 76 Resp: 81363
Ion Ratio Lower Upper
76 100
78 9.4 7.1 10.7

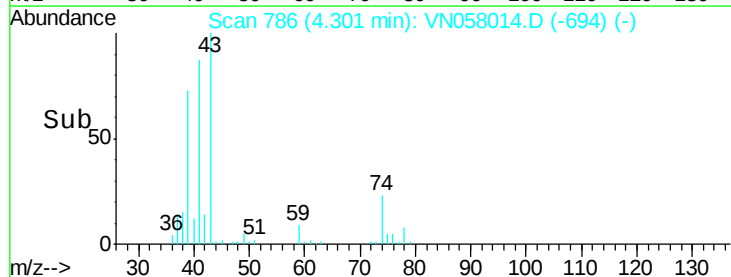
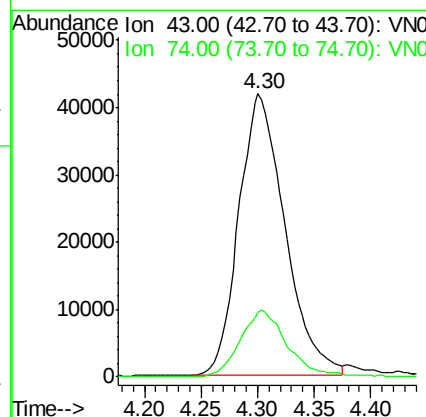
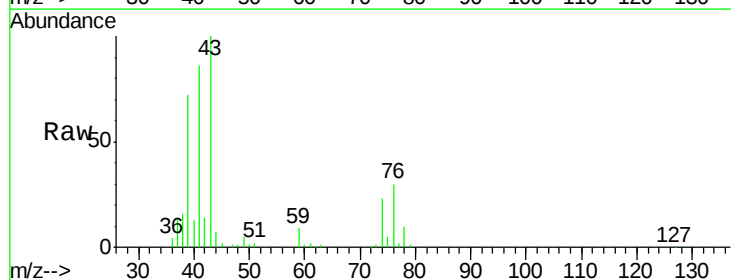
Manual Integrations
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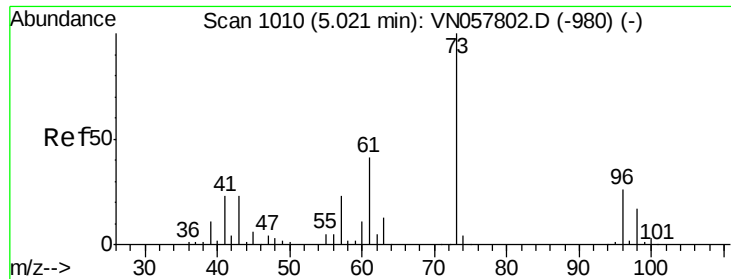
MMDadoda
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#18
Methyl Acetate
Concen: 21.502 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Tgt Ion: 43 Resp: 118180
Ion Ratio Lower Upper
43 100
74 23.9 17.9 26.9





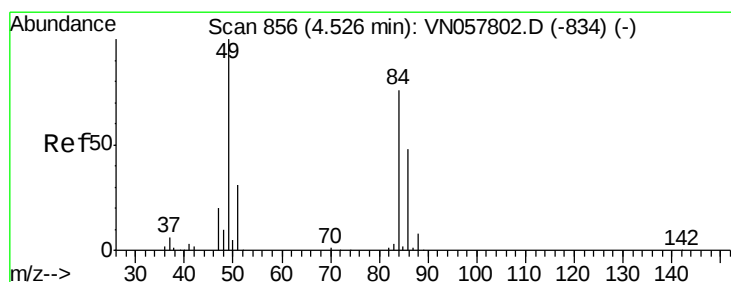
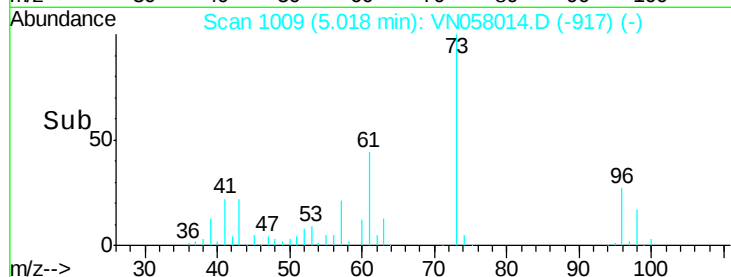
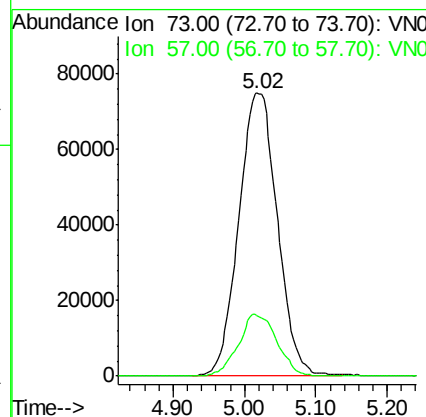
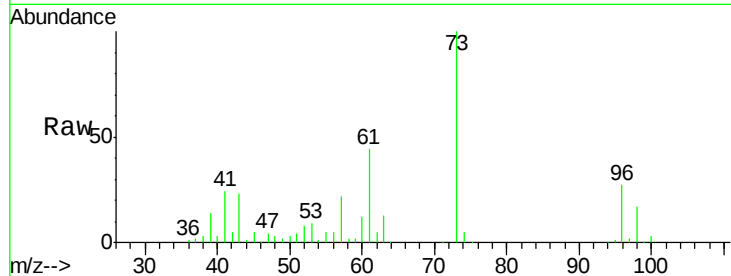
#19
Methvl tert-butvl Ether
Concen: 20.536 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS02

Tot Ion: 73 Resp: 282534
Ion Ratio Lower Upper
73 100
57 21.5 18.2 27.2

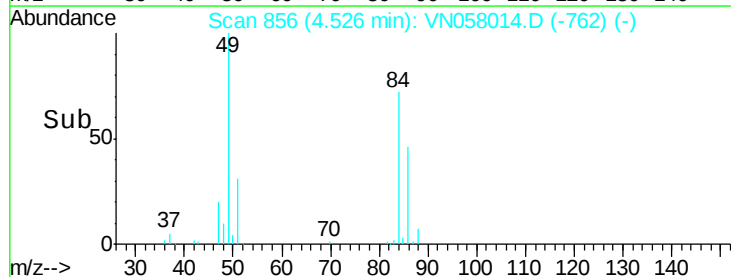
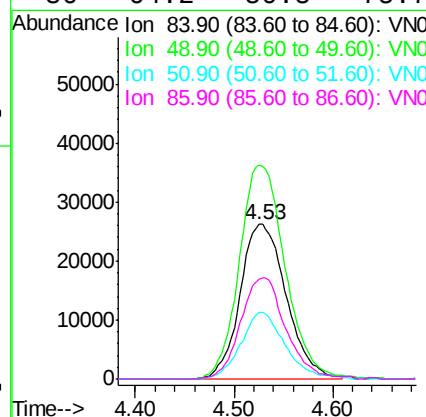
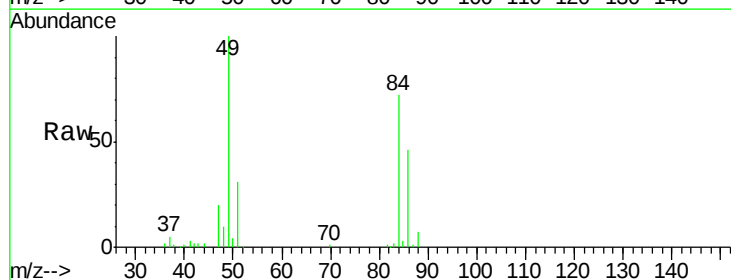
Manual Integrations
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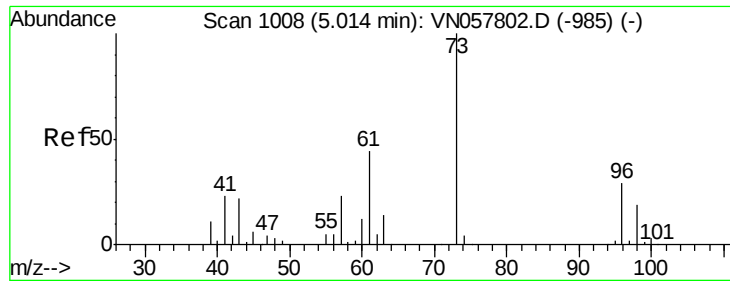
MMDadoda
9/16/2019 2:49:57 PM



#20
Methylene Chloride
Concen: 20.966 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Tgt Ion: 84 Resp: 85083
Ion Ratio Lower Upper
84 100
49 138.0 104.8 157.2
51 42.9 33.0 49.4
86 64.2 50.5 75.7





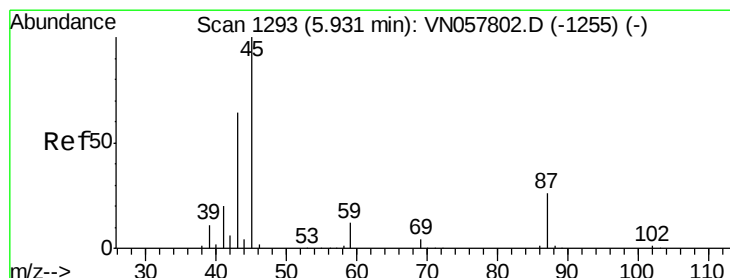
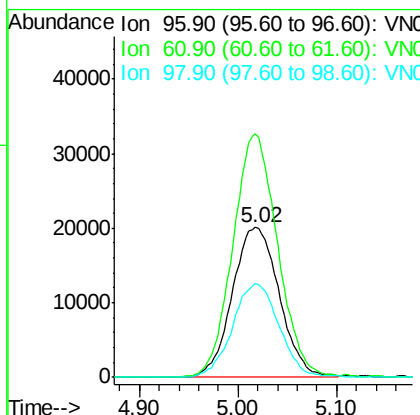
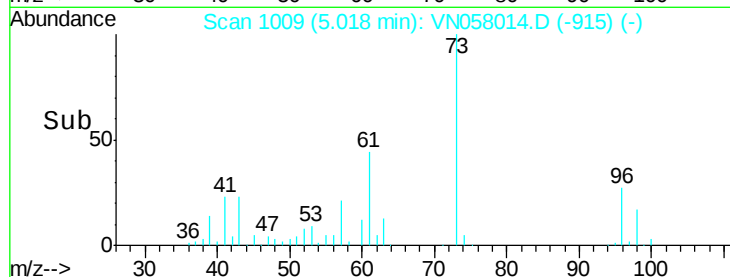
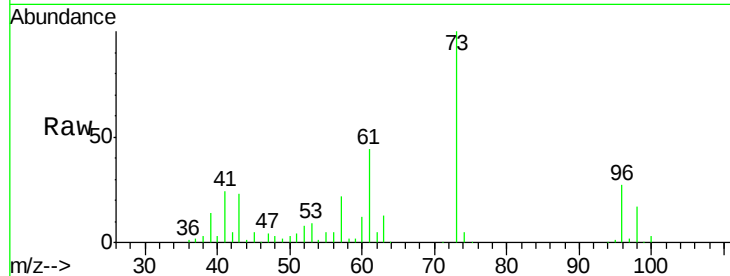
#21
trans-1,2-Dichloroethene
Concen: 18.578 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.8	121.9	182.9
98	62.7	52.2	78.4

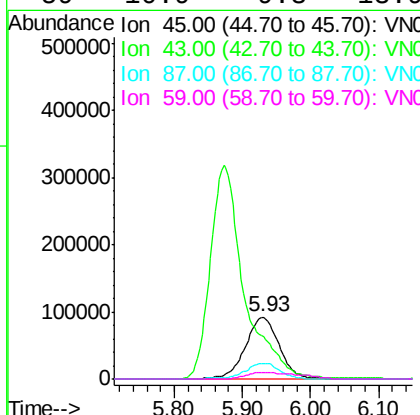
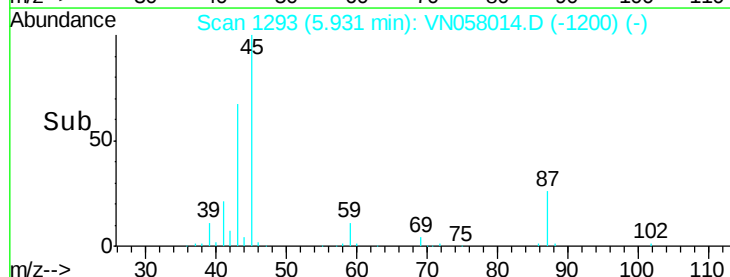
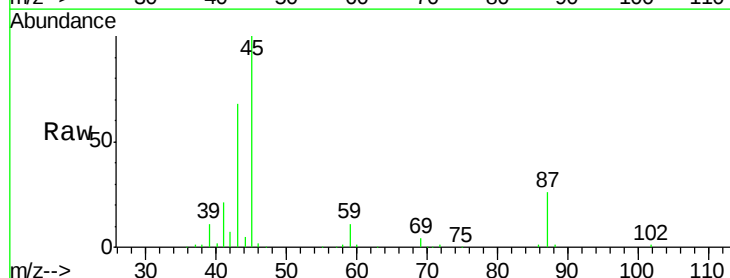
Manual Integrations
APPROVED

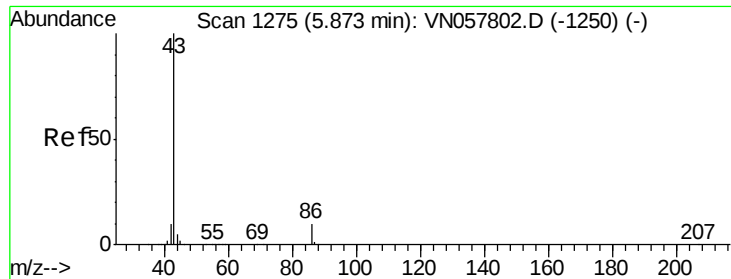
MMDadoda
9/16/2019 2:49:57 PM



#22
Diisopropyl ether
Concen: 20.833 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.5	51.4	77.2
87	25.6	21.3	31.9
59	10.9	9.3	13.9





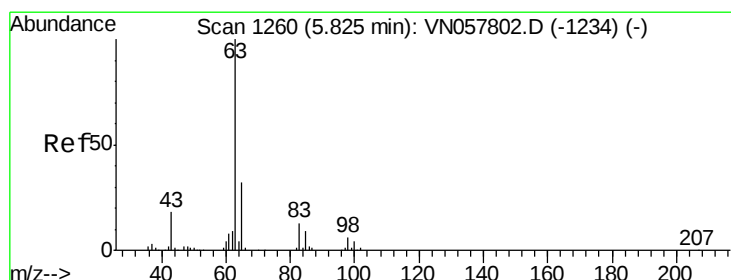
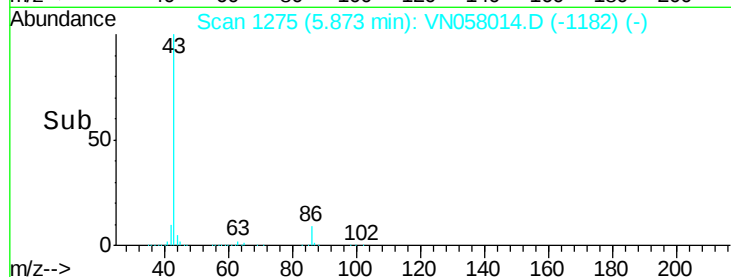
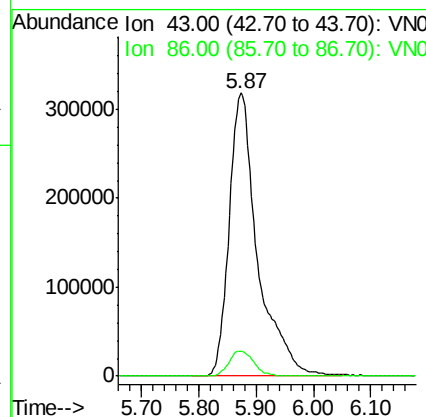
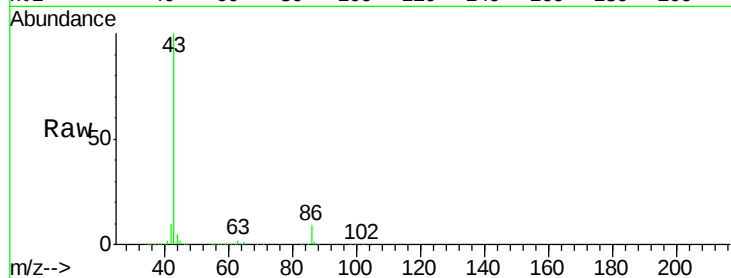
#23
 Vinyl Acetate
 Concen: 102.368 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS02

Tot Ion: 43 Resp: 1100690
 Ion Ratio Lower Upper
 43 100
 86 8.8 7.7 11.5

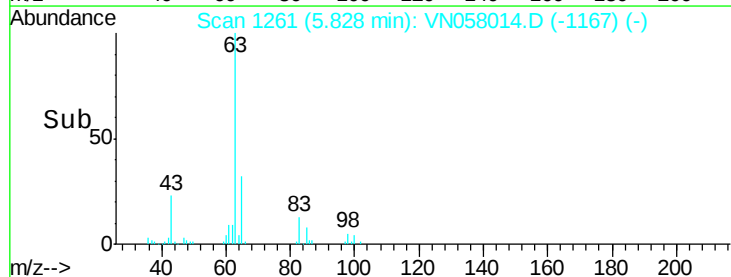
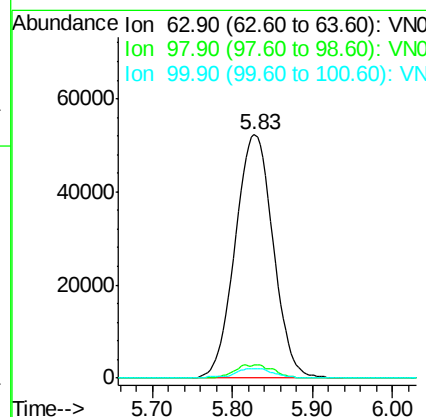
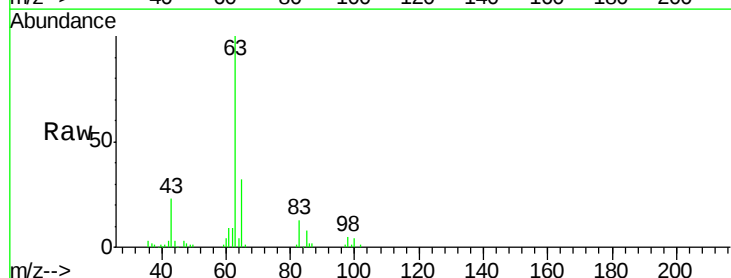
Manual Integrations
 APPROVED

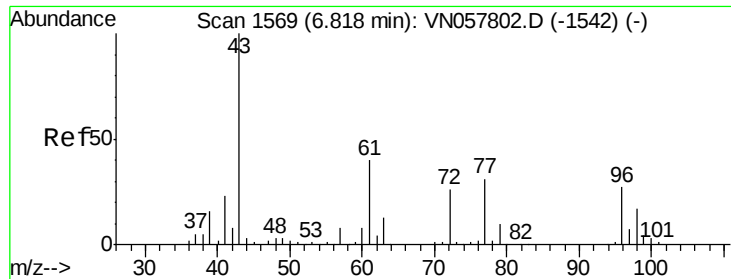
MMDadoda
 9/16/2019 2:49:57 PM



#24
 1,1-Dichloroethane
 Concen: 20.324 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

Tgt Ion: 63 Resp: 168520
 Ion Ratio Lower Upper
 63 100
 98 5.4 3.0 9.2
 100 3.9 2.0 5.8





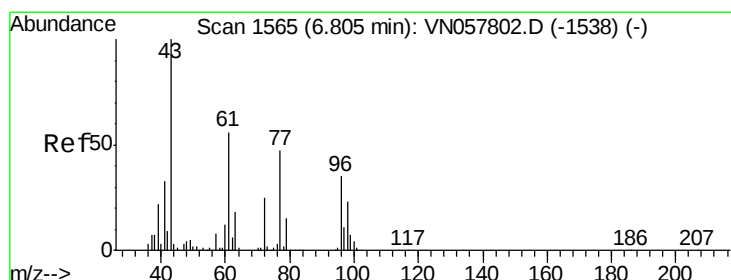
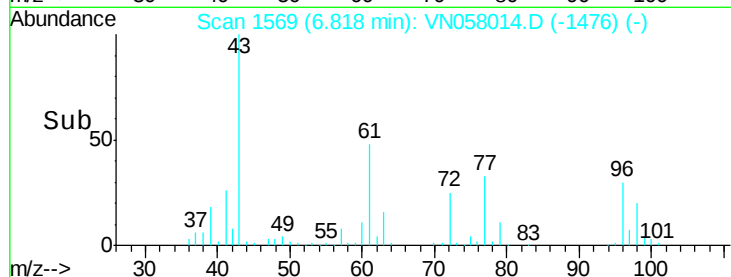
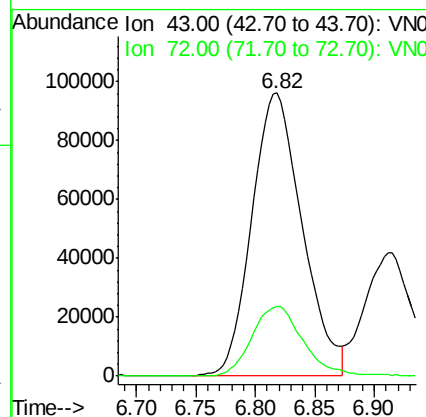
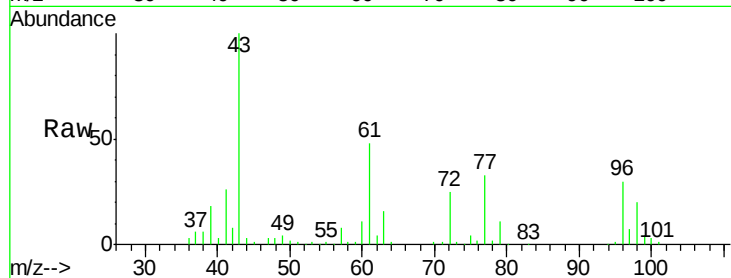
#25
2-Butanone
Concen: 93.948 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Instrument :
MSVOA_N
ClientSampled :
VN0914WBS02

Tot Ion: 43 Resp: 280296
Ion Ratio Lower Upper
43 100
72 24.9 20.6 30.8

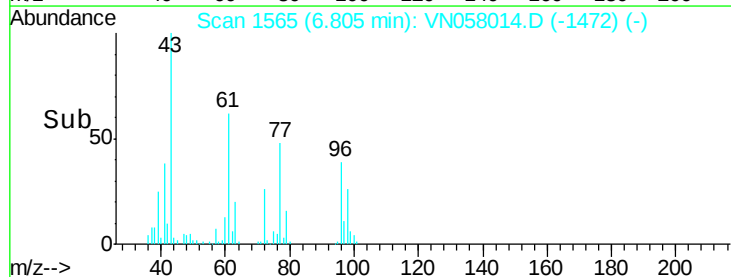
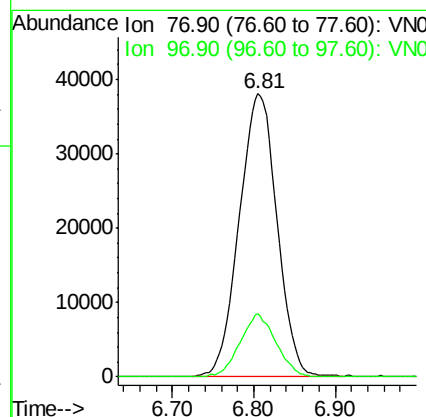
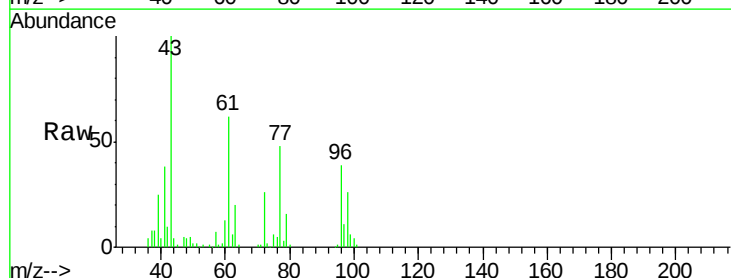
Manual Integrations
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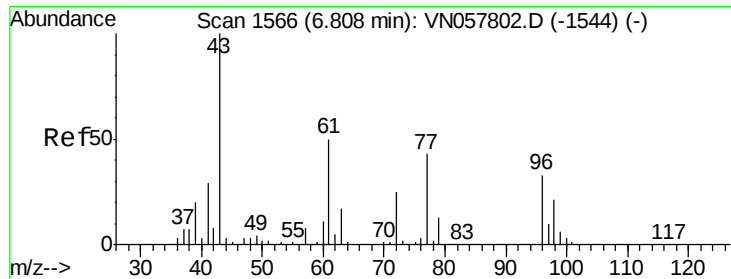
MMDadoda
9/16/2019 2:49:57 PM



#26
2,2-Dichloropropane
Concen: 18.599 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Tgt Ion: 77 Resp: 122044
Ion Ratio Lower Upper
77 100
97 21.1 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 19.319 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

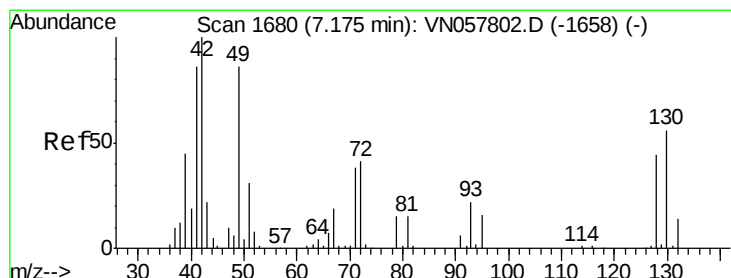
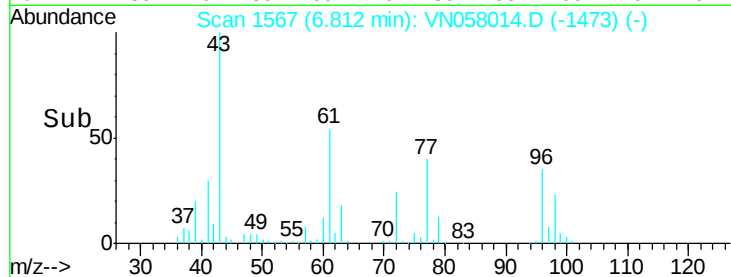
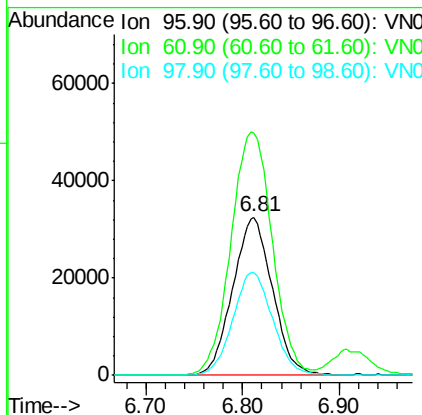
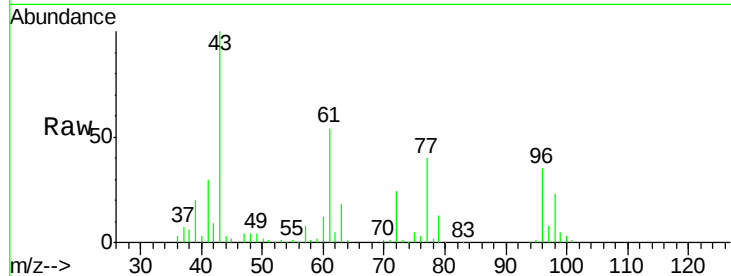
ClientSampleId :

VN0914WBS02

Tot Ion:	96	Resp:	92519
Ion	Ratio	Lower	Upper
96	100		
61	160.9	0.0	314.0
98	65.6	0.0	128.6

Manual Integrations
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#28

Bromochloromethane

Concen: 19.798 ug/l

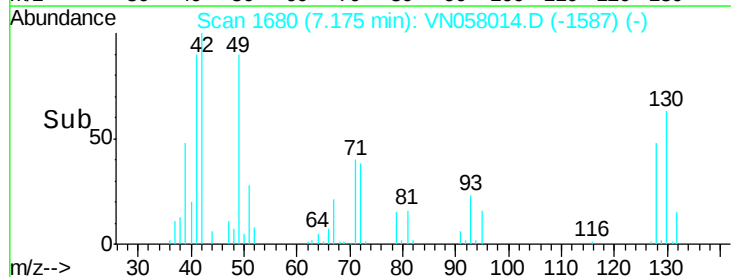
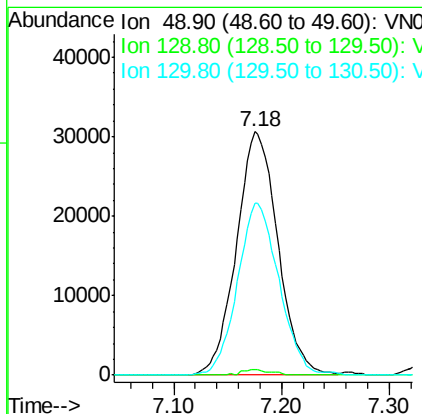
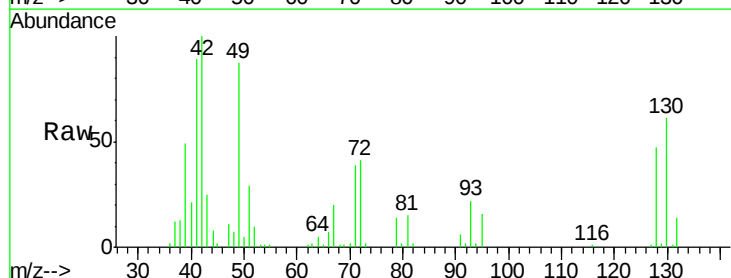
RT: 7.18 min Scan# 1680

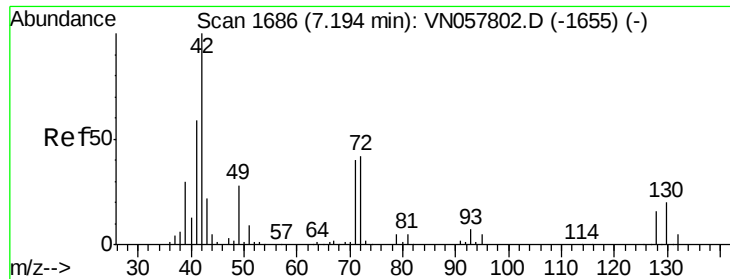
Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Tgt Ion:	49	Resp:	82014
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.8
130	70.5	53.0	79.6





#29

Tetrahydrofuran

Concen: 95.533 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

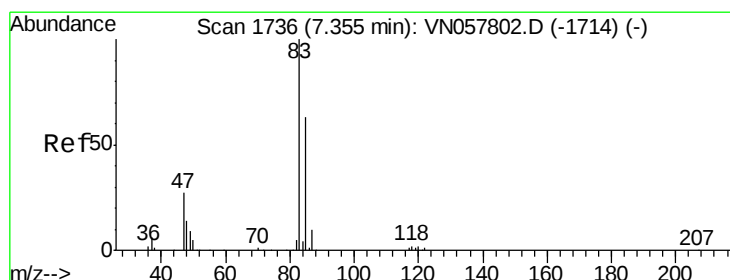
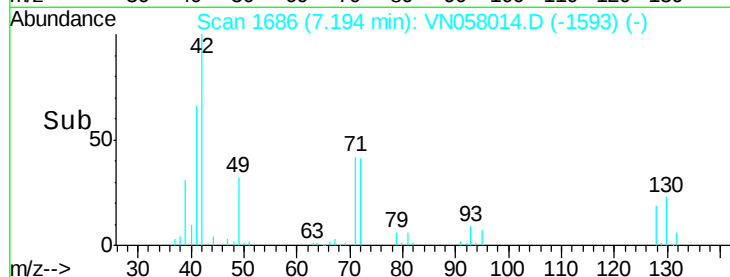
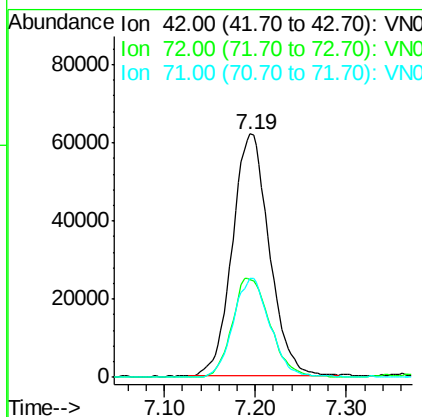
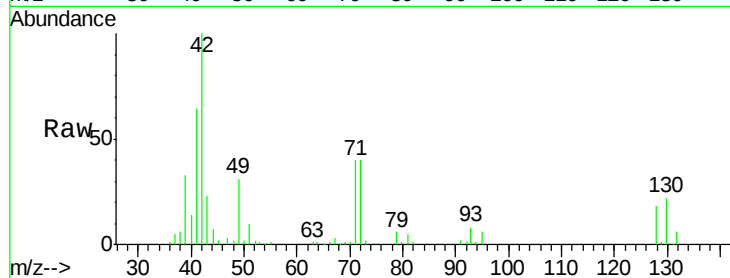
ClientSampleId :

VN0914WBS02

Tot Ion:	42	Resp:	175634
Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.7	50.5
71	40.6	31.9	47.9

Manual Integrations
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#30

Chloroform

Concen: 20.045 ug/l

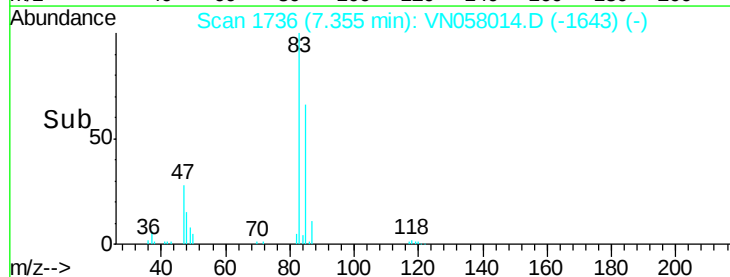
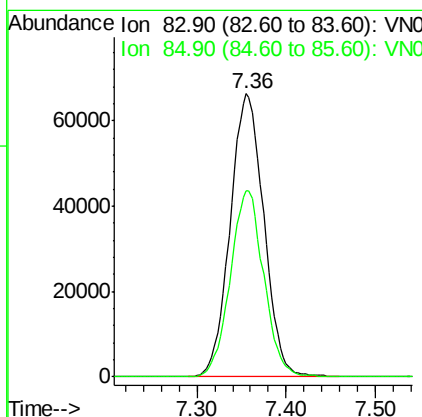
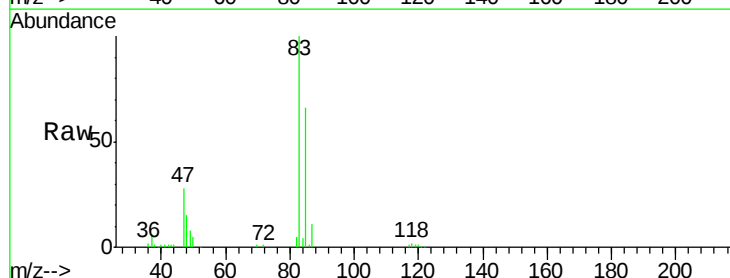
RT: 7.36 min Scan# 1736

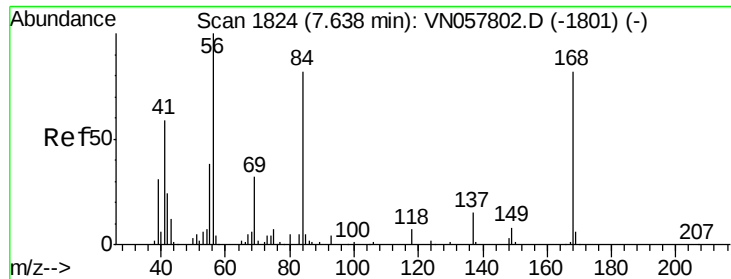
Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Tgt Ion:	83	Resp:	173788
Ion	Ratio	Lower	Upper
83	100		
85	65.7	50.6	75.8





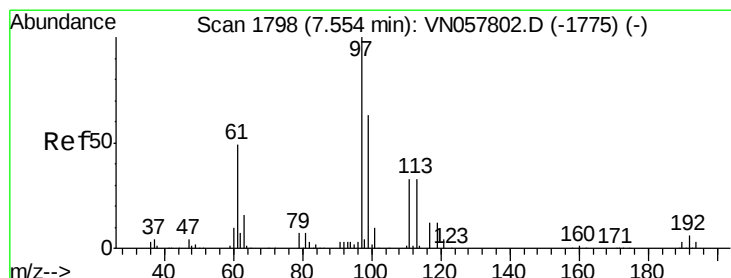
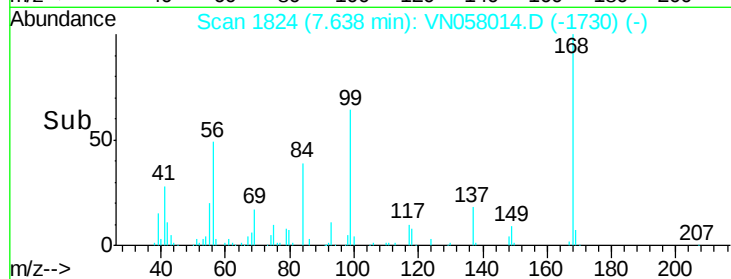
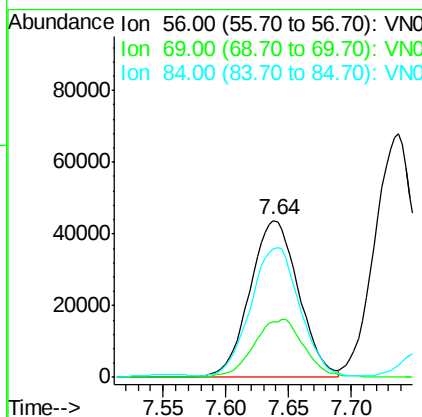
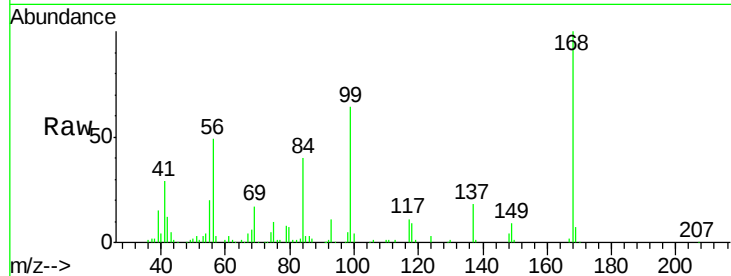
#31
Cyclohexane
Concen: 19.590 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.0	25.9	38.9
84	80.3	65.6	98.4

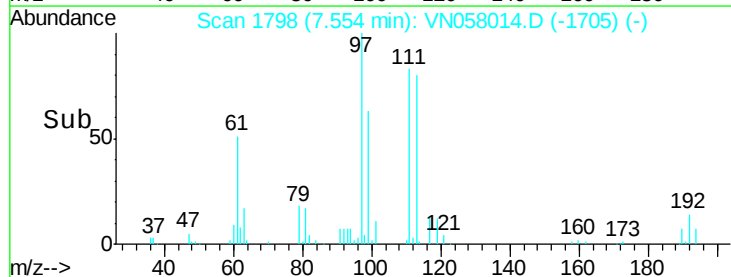
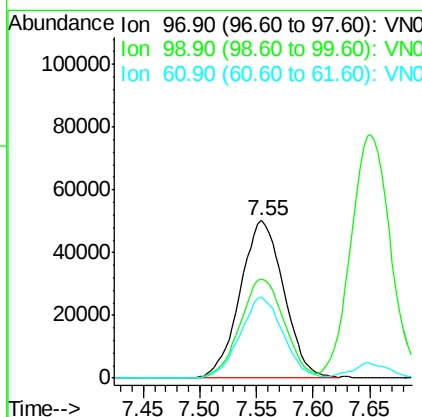
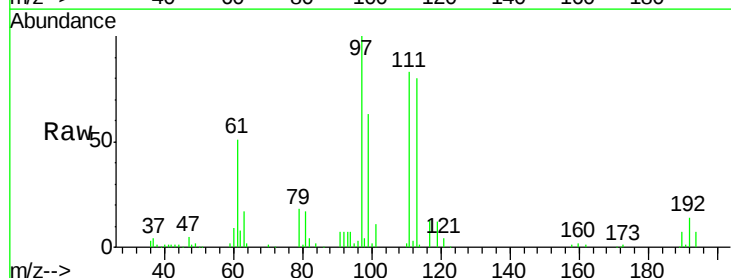
Manual Integrations
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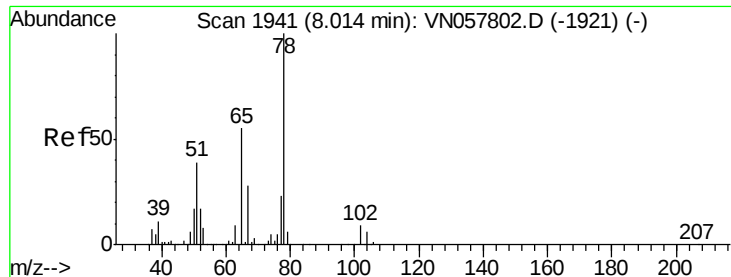
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.596 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.0	76.4
61	50.5	39.0	58.6





#33

1,2-Dichloroethane-d4

Concen: 51.843 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS02

Tot Ion: 65 Resp: 325995

Ion Ratio Lower Upper

65 100

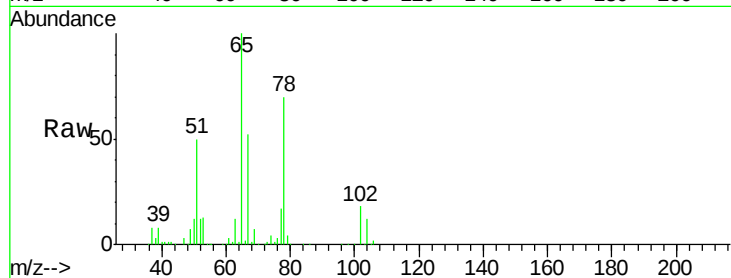
67 50.8 0.0 104.0

Manual Integrations

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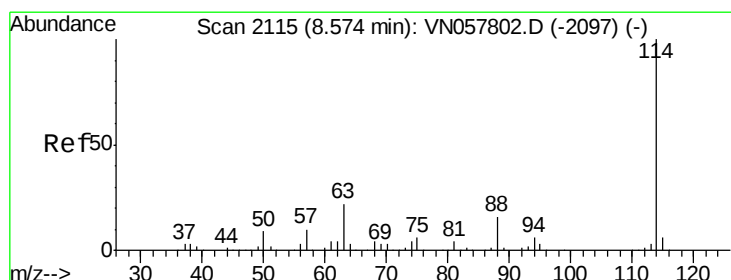
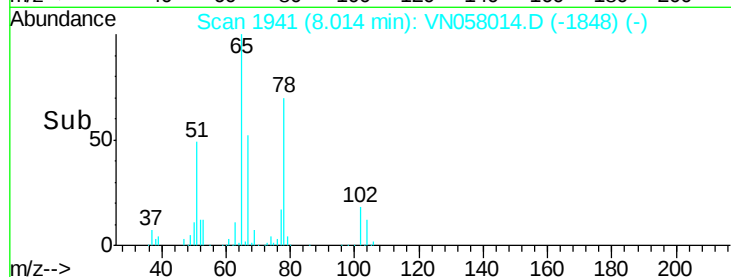
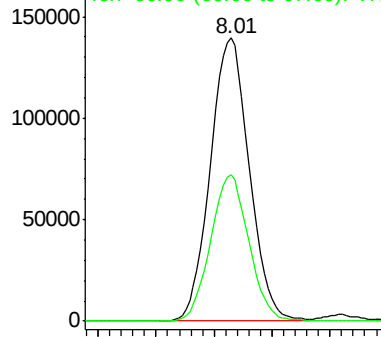
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Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

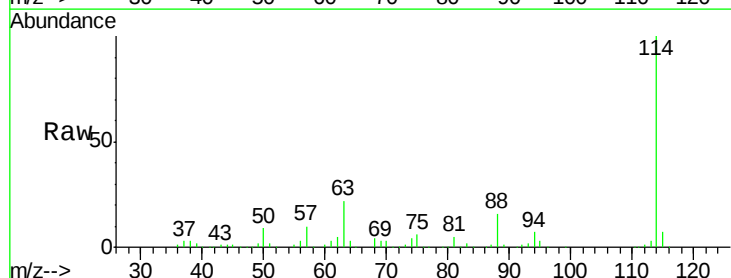
Tgt Ion: 114 Resp: 507712

Ion Ratio Lower Upper

114 100

63 22.0 0.0 44.0

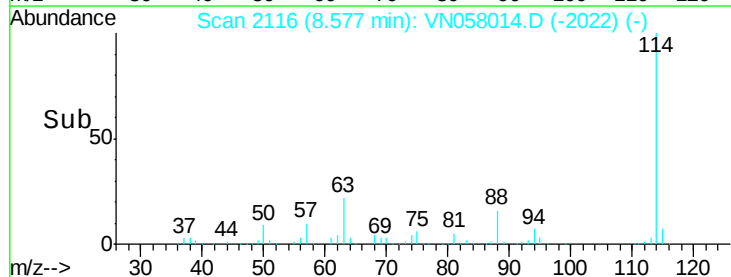
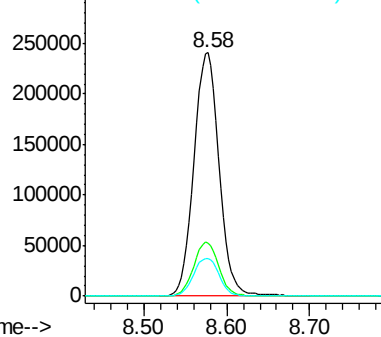
88 15.6 0.0 31.4

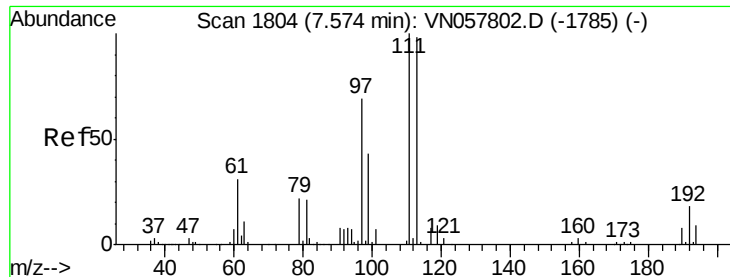


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





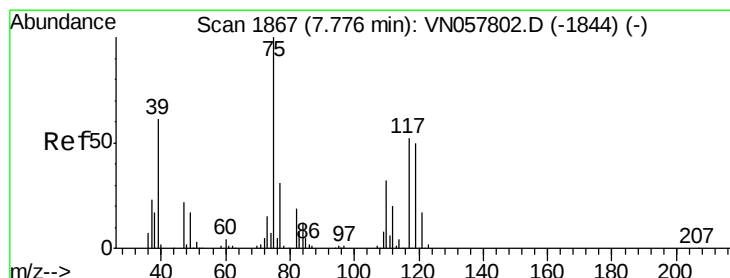
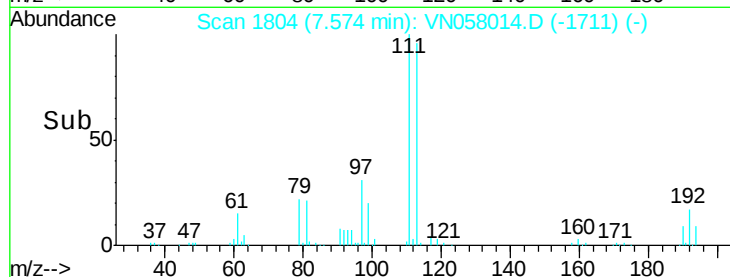
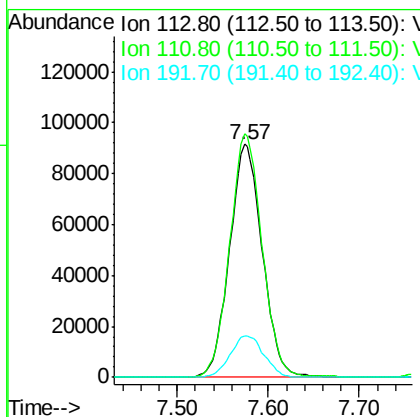
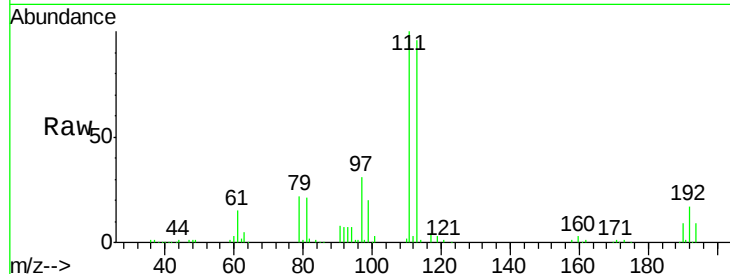
#35
 Dibromofluoromethane
 Concen: 48.881 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	229056		
111	103.5	81.3	121.9	
192	18.3	14.6	22.0	

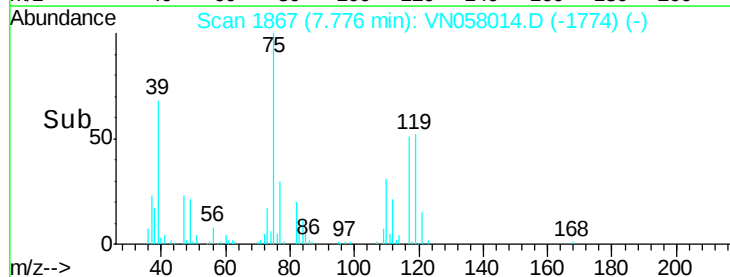
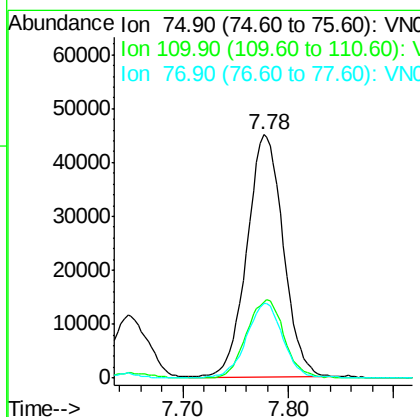
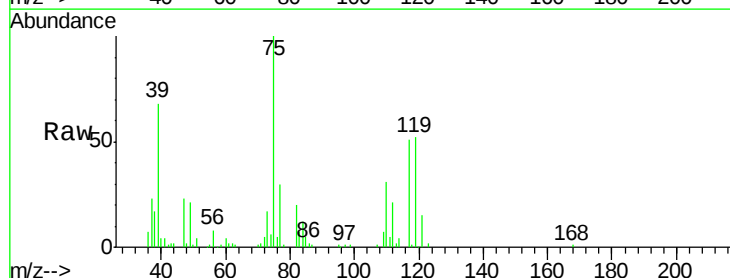
Manual Integrations
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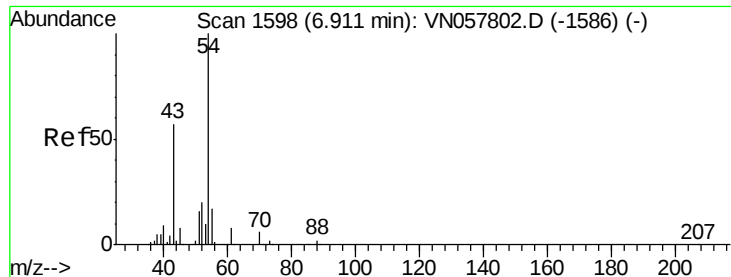
MMDadoda
 9/16/2019 2:49:57 PM



#36
 1,1-Dichloropropene
 Concen: 18.347 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	108031		
110	33.1	16.3	48.9	
77	31.0	25.0	37.4	





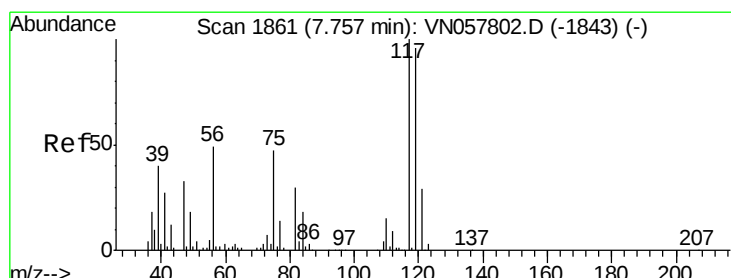
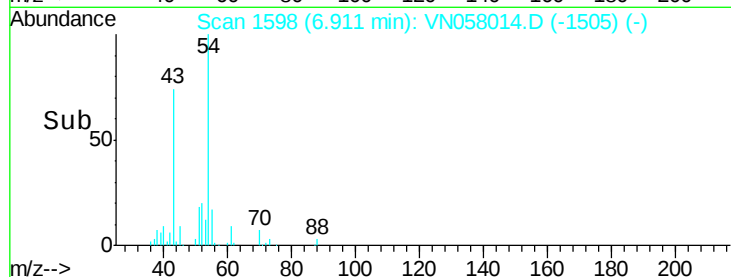
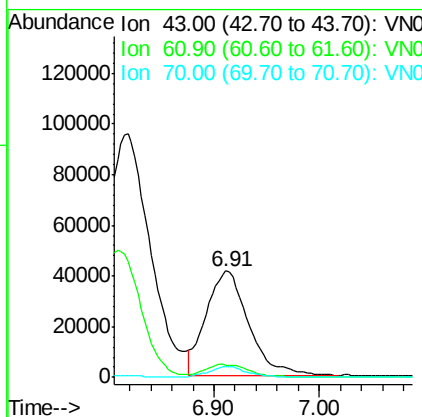
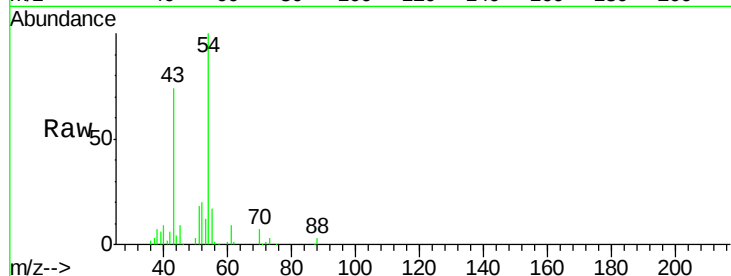
#37
Ethyl Acetate
Concen: 19.050 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.5	15.7
70	9.2	7.4	11.0

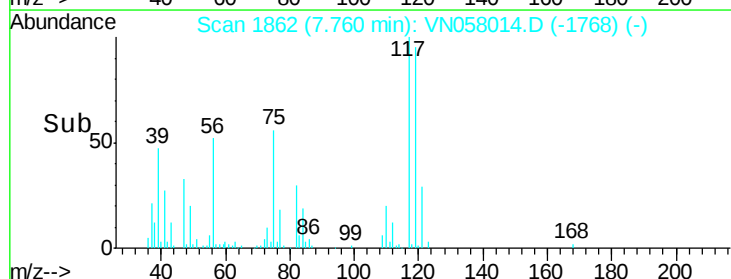
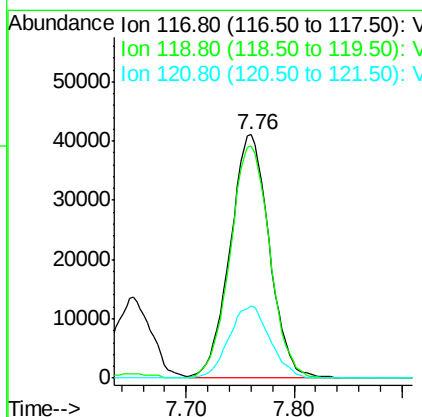
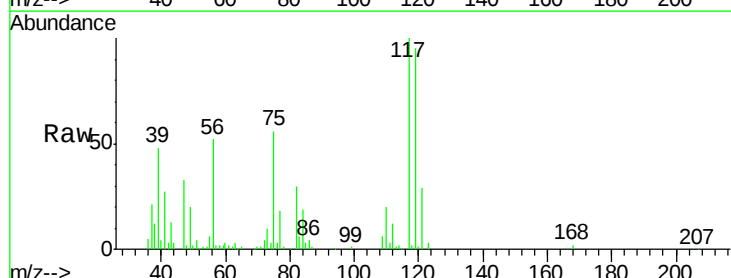
Manual Integrations
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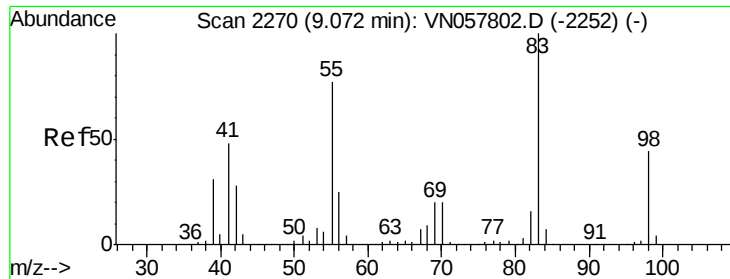
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.329 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.9	115.3
121	29.5	23.4	35.2





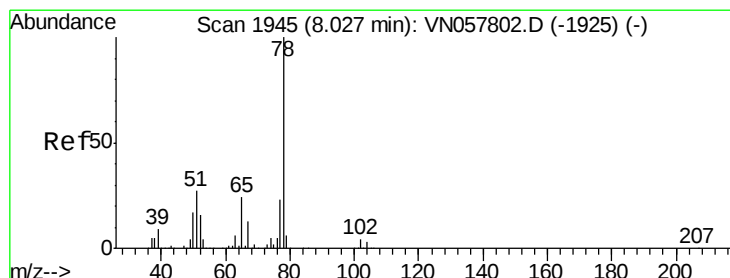
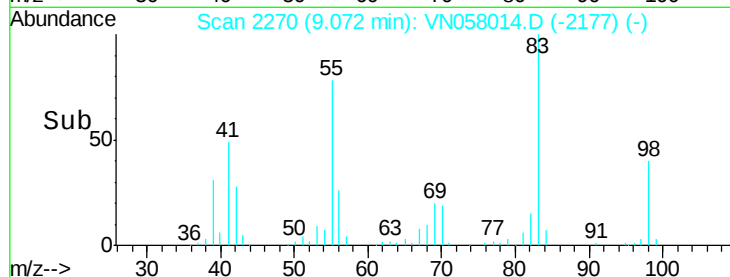
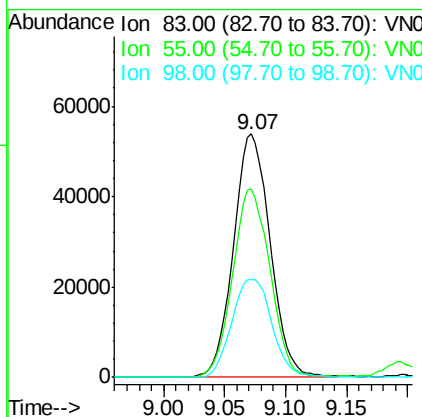
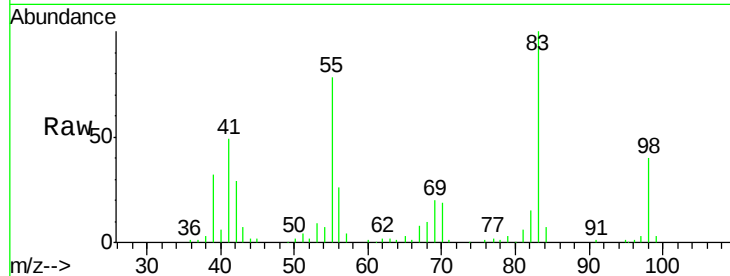
#39
Methvlcvclohexane
Concen: 18.192 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.5	61.6	92.4
98	40.3	34.9	52.3

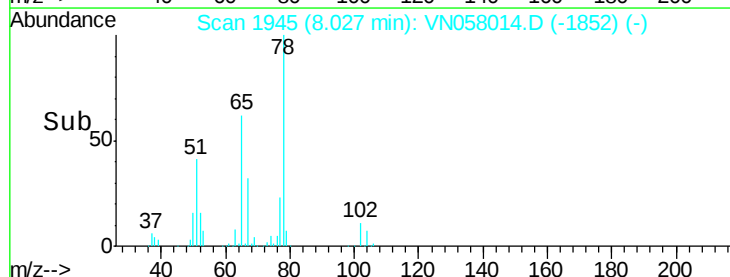
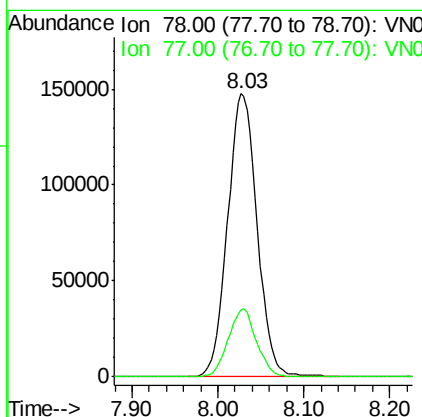
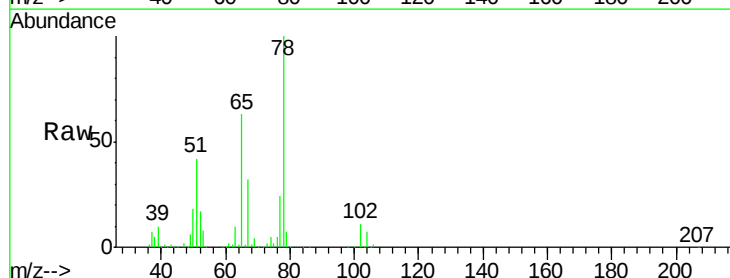
Manual Integrations
APPROVED

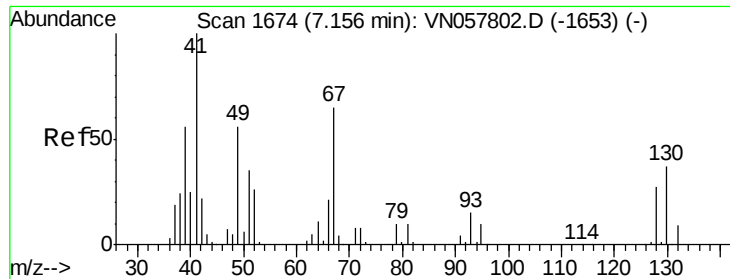
MMDadoda
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#40
Benzene
Concen: 19.828 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.3	27.5





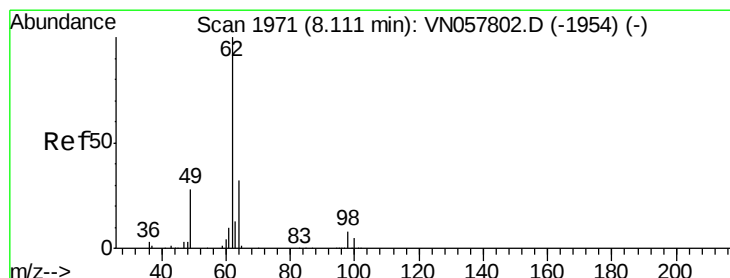
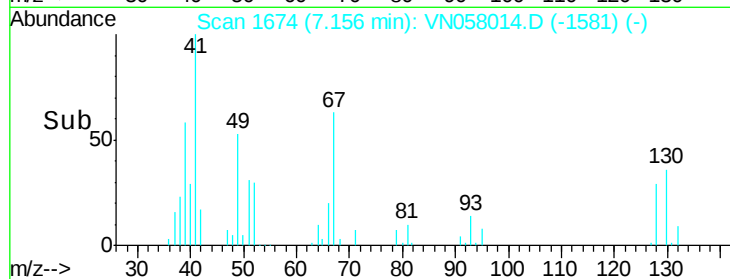
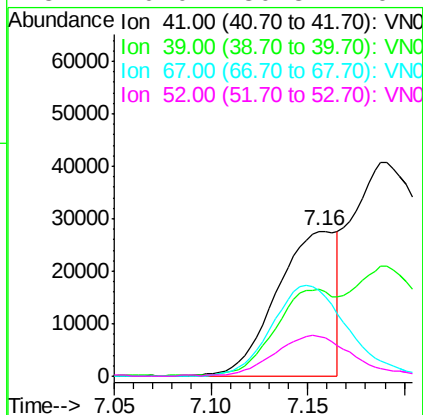
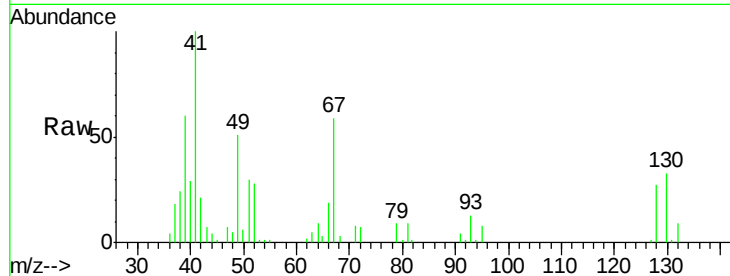
#41
Methacrylonitrile
Concen: 21.771 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	51.0	76.6#
67	0.0	70.7	106.1#
52	0.0	30.8	46.2#

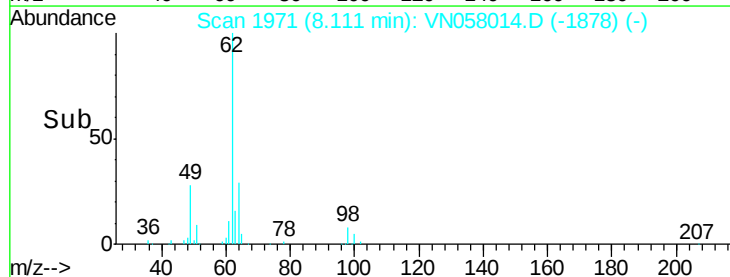
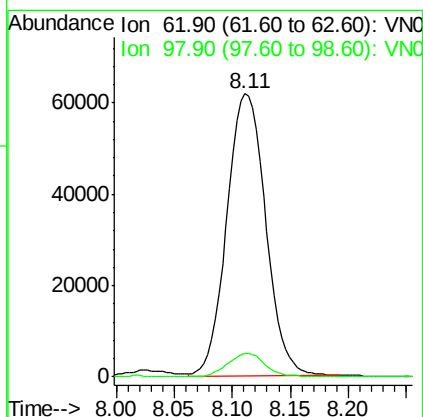
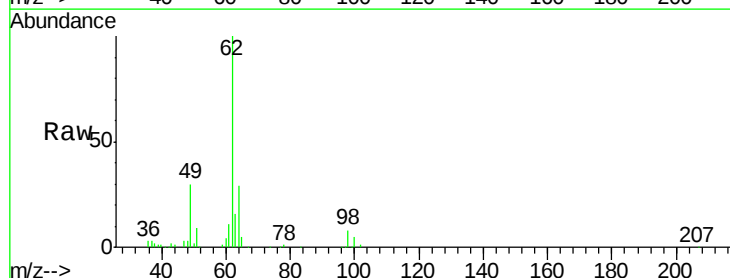
Manual Integrations
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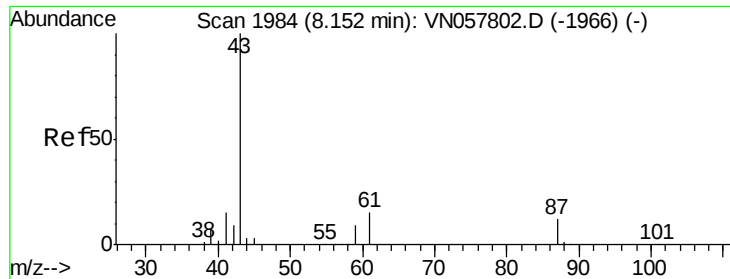
MMDadoda
9/16/2019 2:49:57 PM



#42
1,2-Dichloroethane
Concen: 20.313 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	15.8





#43

Isopropyl Acetate

Concen: 21.087 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

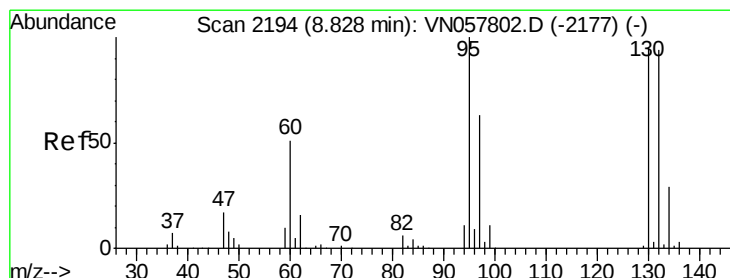
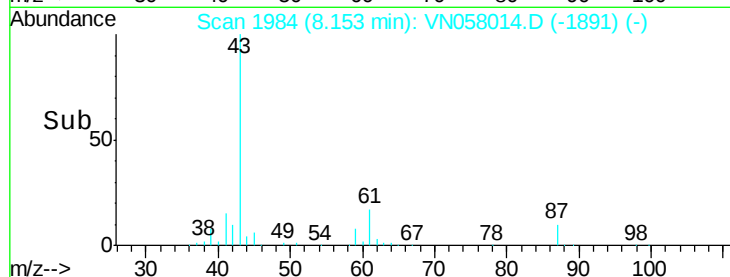
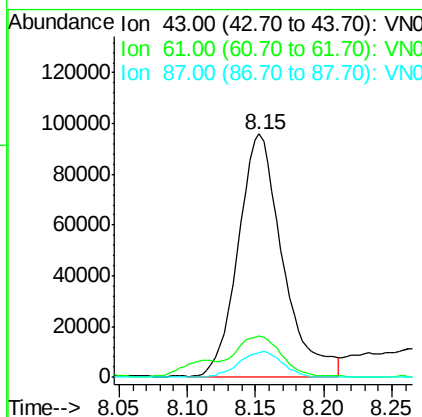
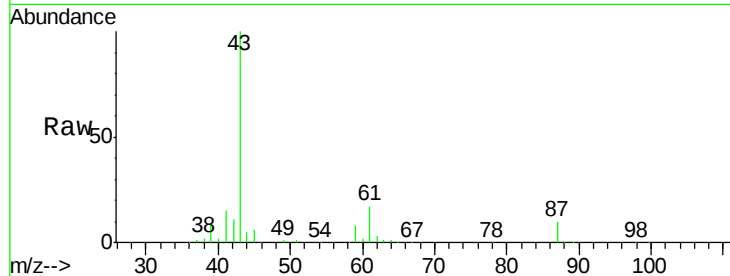
ClientSampleId :

VN0914WBS02

Tot Ion:	43	Resp:	215734
Ion	Ratio	Lower	Upper
43	100		
61	16.8	20.1	30.1#
87	10.5	9.5	14.3

Manual Integrations
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9/16/2019 2:49:57 PM



#44

Trichloroethene

Concen: 19.703 ug/l

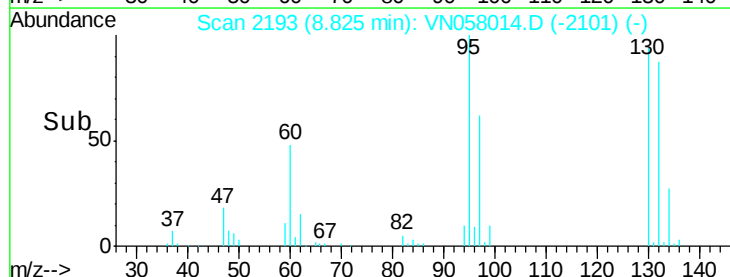
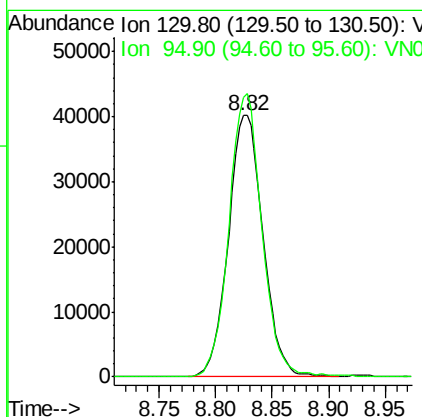
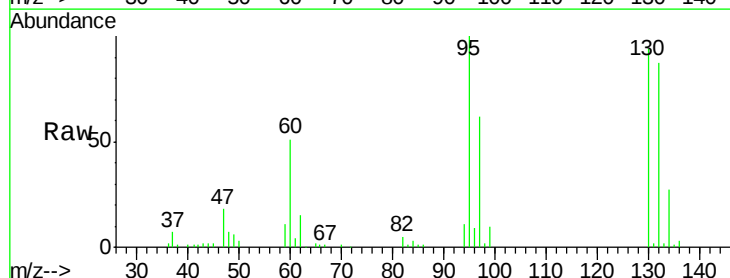
RT: 8.82 min Scan# 2193

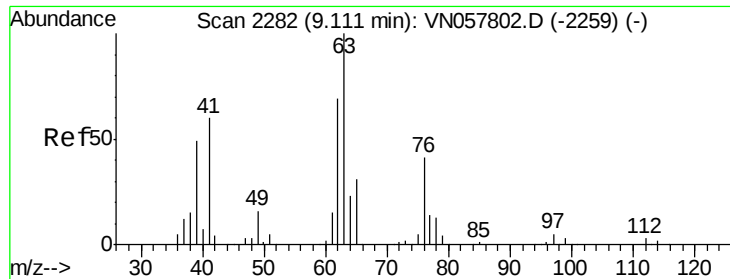
Delta R.T. -0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Tgt Ion:	130	Resp:	85666
Ion	Ratio	Lower	Upper
130	100		
95	106.9	0.0	211.4





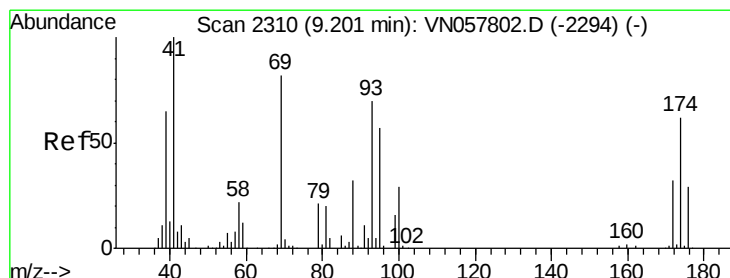
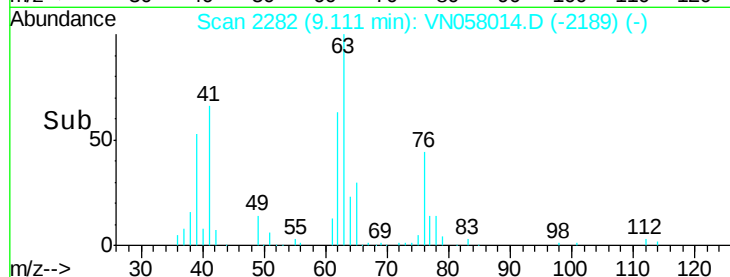
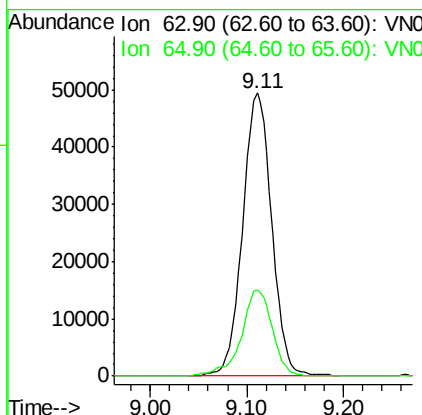
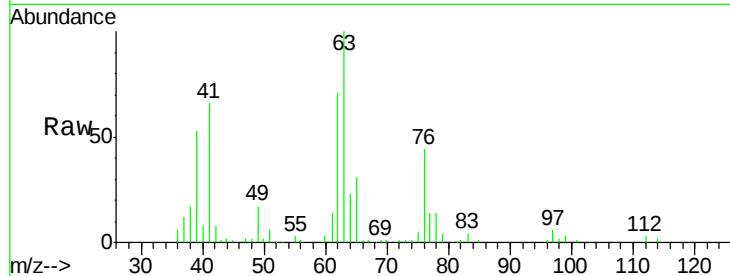
#45
 1,2-Dichloropropane
 Concen: 20.020 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS02

Tot Ion: 63 Resp: 103271
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.8 37.2

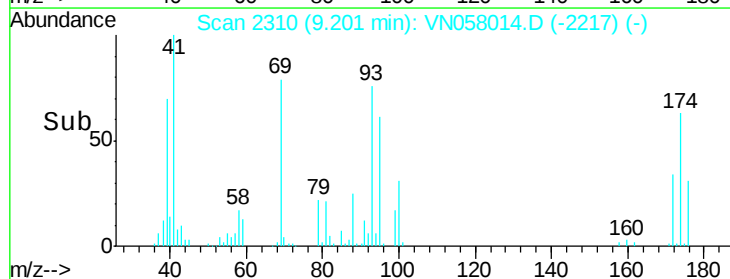
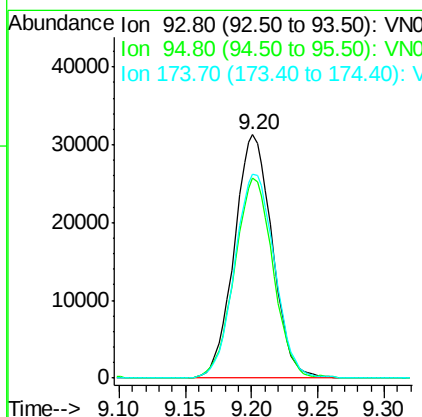
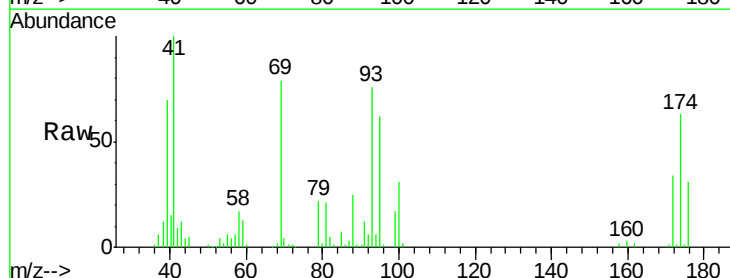
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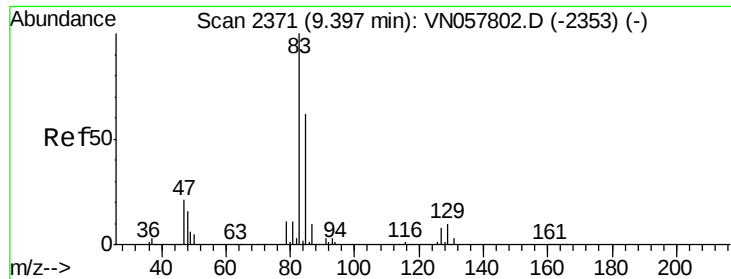
MMDadoda
 9/16/2019 2:49:57 PM



#46
 Dibromomethane
 Concen: 19.915 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

Tgt Ion: 93 Resp: 62075
 Ion Ratio Lower Upper
 93 100
 95 83.8 65.9 98.9
 174 88.0 71.8 107.6





#47

Bromodichloromethane

Concen: 19.888 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

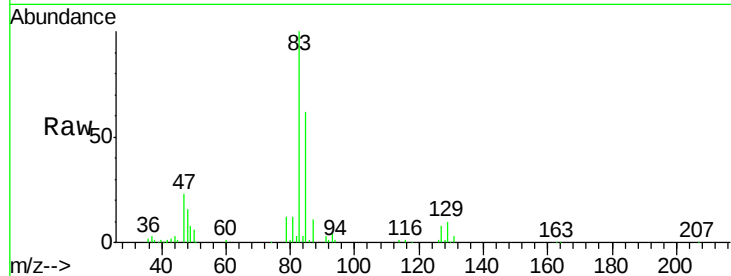
ClientSampleId :

VN0914WBS02

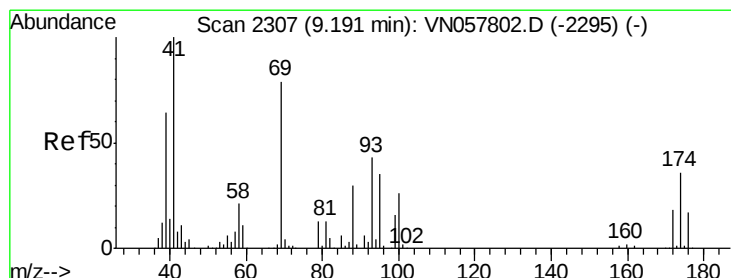
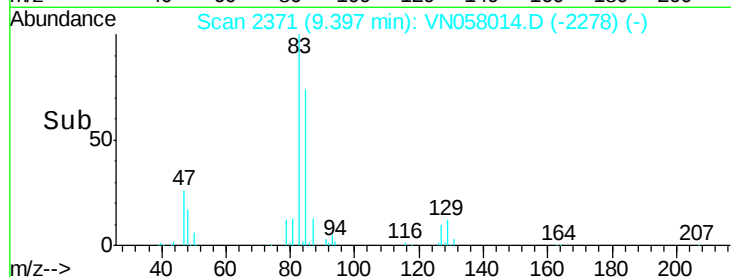
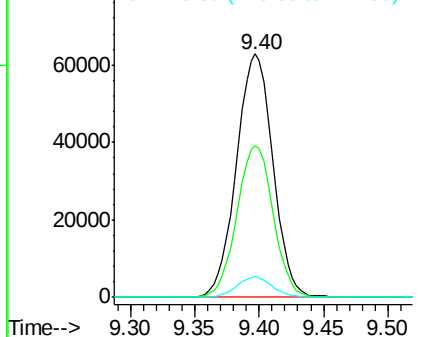
Tot Ion:	83	Resp:	123790
Ion Ratio	Lower	Upper	
83	100		
85	62.4	49.9	74.9
127	8.4	6.5	9.7

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.044 ug/l

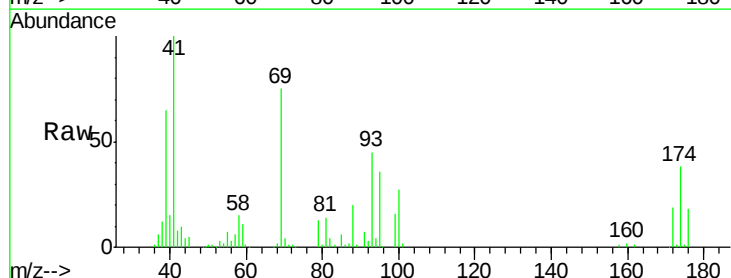
RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

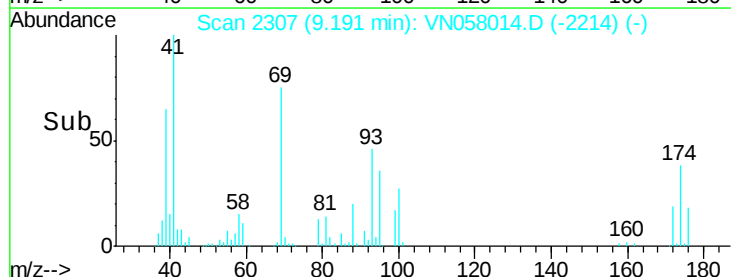
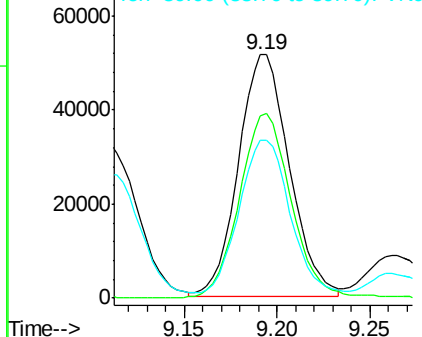
Lab File: VN058014.D

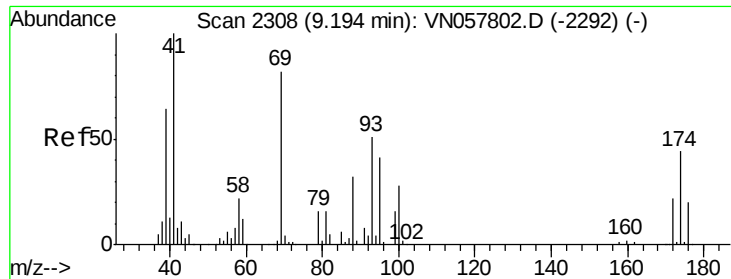
Acq: 13 Sep 2019 13:30

Tgt Ion:	41	Resp:	98833
Ion Ratio	Lower	Upper	
41	100		
69	78.1	62.7	94.1
39	66.3	52.7	79.1



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





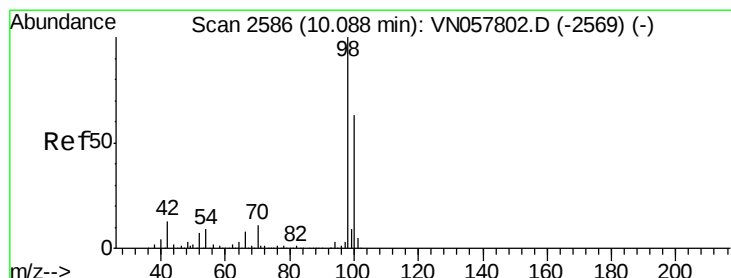
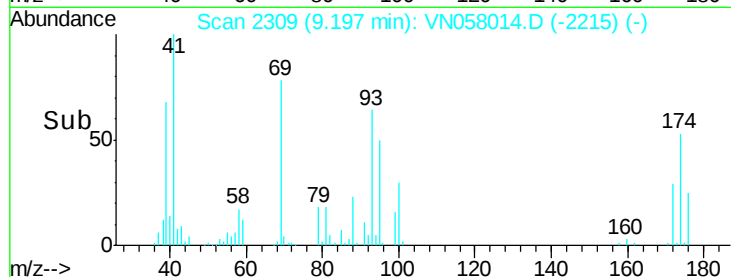
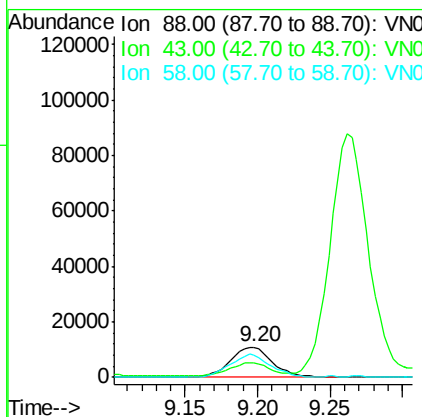
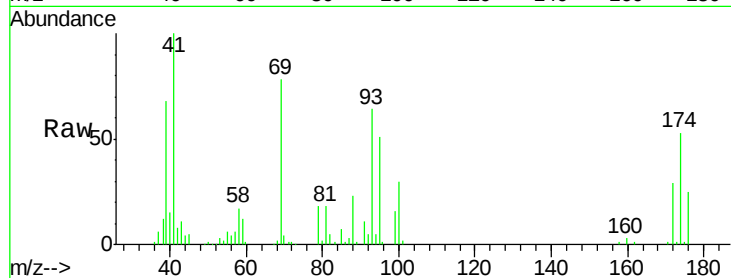
#49
 1,4-Dioxane
 Concen: 250.022 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS02

Tot Ion	88	Resp	21942
Ion Ratio	Lower	Upper	
88	100		
43	40.6	28.5	42.7
58	74.5	55.8	83.6

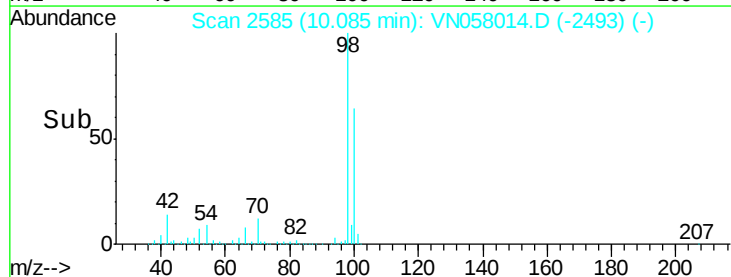
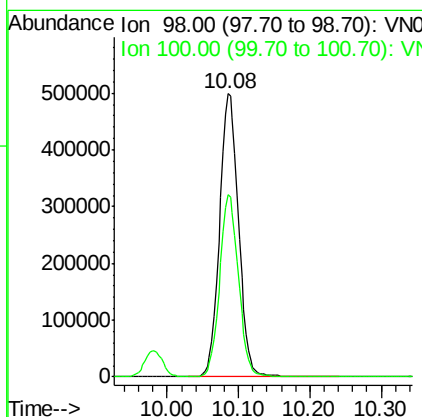
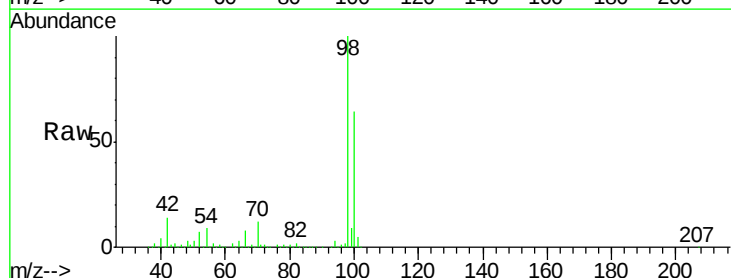
Manual Integrations
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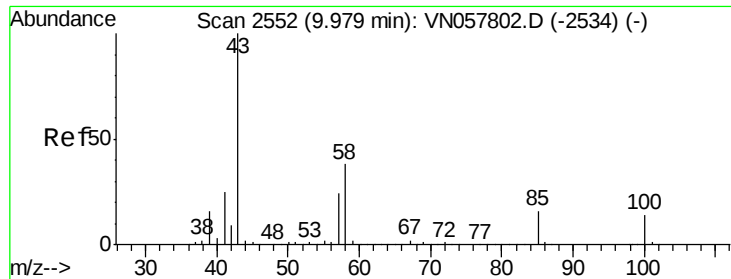
MMDadoda
 9/16/2019 2:49:57 PM



#50
 Toluene-d8
 Concen: 50.427 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

Tgt Ion	98	Resp	917444
Ion Ratio	Lower	Upper	
98	100		
100	63.4	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 103.043 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS02

Tot Ion: 43 Resp: 623835

Ion Ratio Lower Upper

43 100

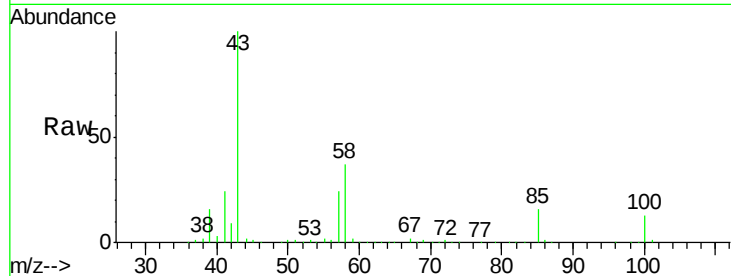
58 36.2 29.8 44.6

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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

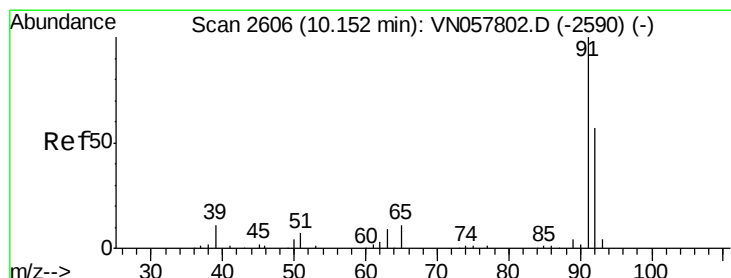
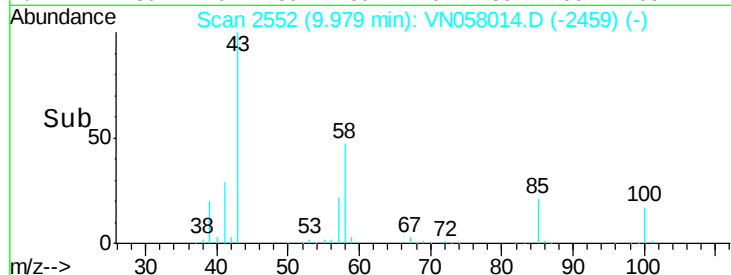
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.165 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058014.D

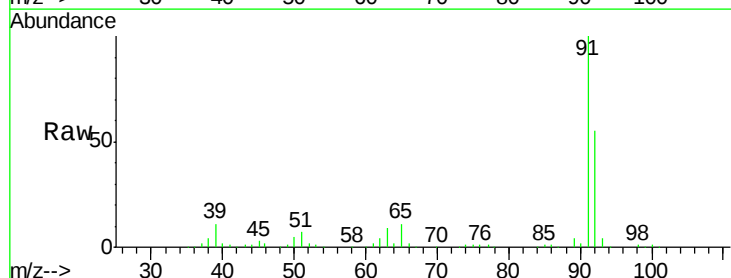
Acq: 13 Sep 2019 13:30

Tgt Ion: 92 Resp: 213978

Ion Ratio Lower Upper

92 100

91 178.2 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

200000

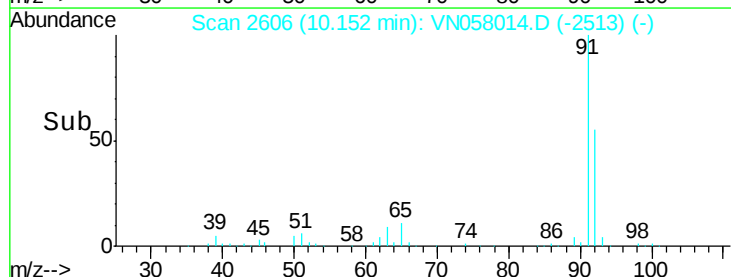
150000

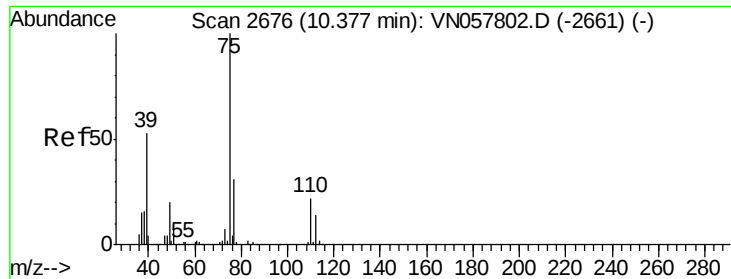
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.499 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS02

Tot Ion: 75 Resp: 121259

Ion Ratio Lower Upper

75 100

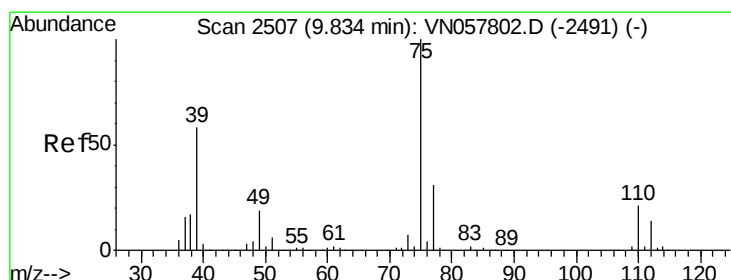
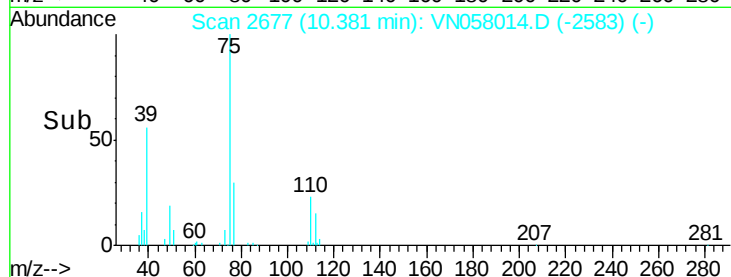
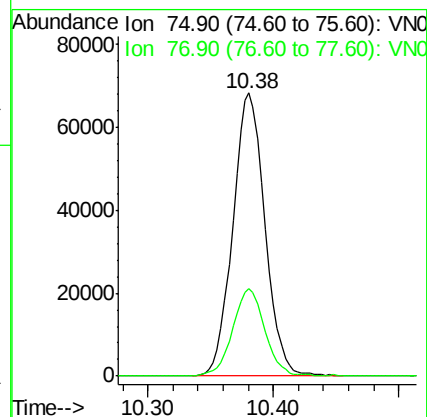
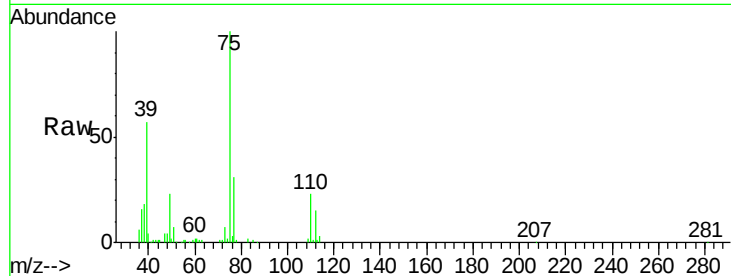
77 30.7 24.5 36.7

Manual Integrations

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9/16/2019 2:49:57 PM



#54

cis-1,3-Dichloropropene

Concen: 19.314 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

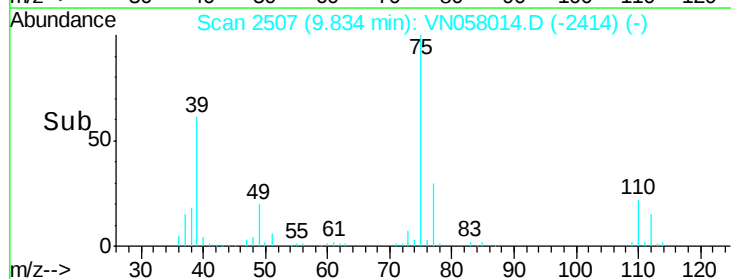
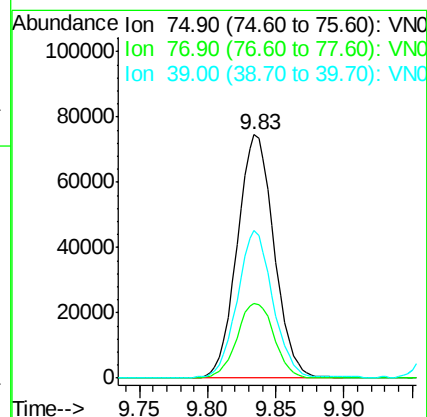
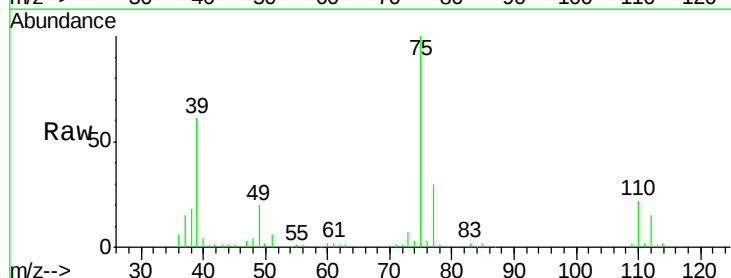
Tgt Ion: 75 Resp: 139775

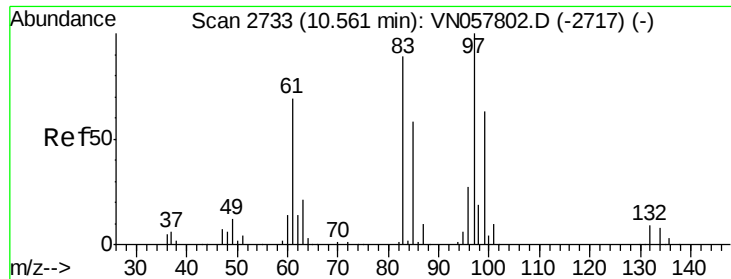
Ion Ratio Lower Upper

75 100

77 30.5 24.8 37.2

39 60.4 46.2 69.4





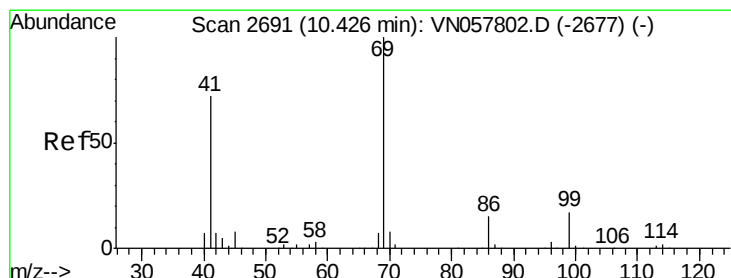
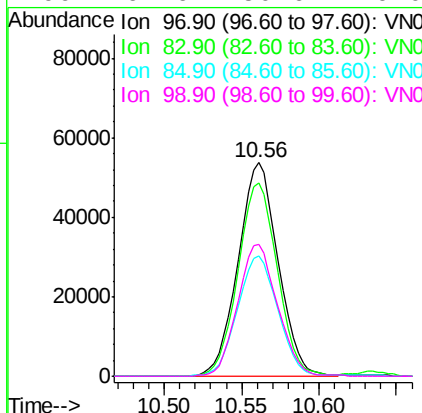
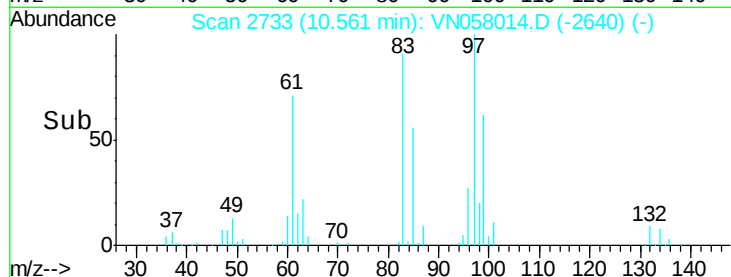
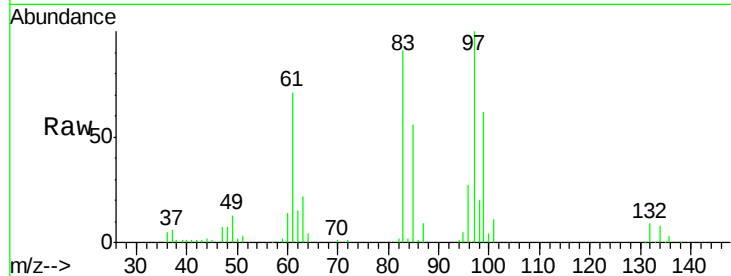
#55
 1,1,2-Trichloroethane
 Concen: 20.403 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS02

Tot Ion:	97	Resp:	96493
Ion	Ratio	Lower	Upper
97	100		
83	90.5	70.8	106.2
85	56.3	46.0	69.0
99	61.6	50.6	76.0

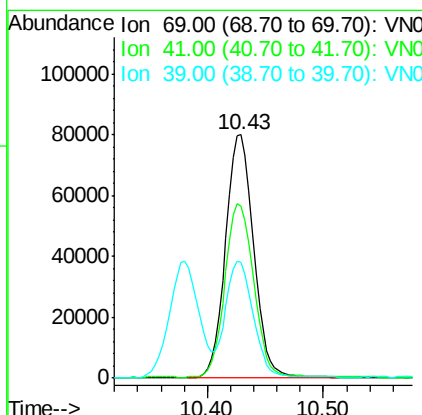
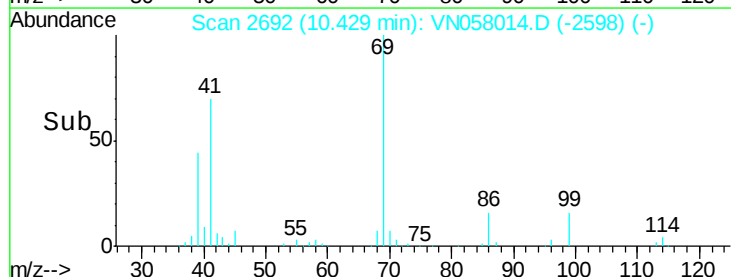
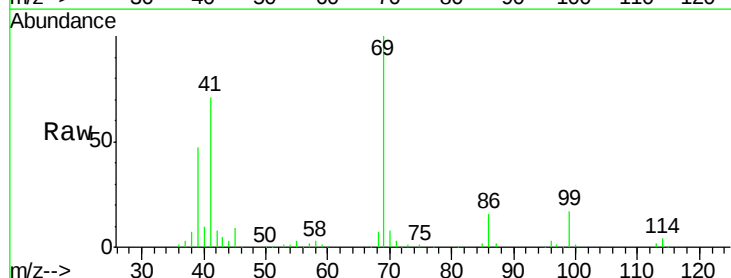
Manual Integrations
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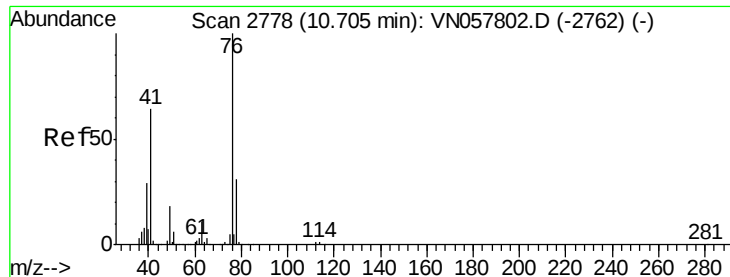
MMDadoda
 9/16/2019 2:49:57 PM



#56
 Ethyl methacrylate
 Concen: 18.950 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

Tgt Ion:	69	Resp:	134963
Ion	Ratio	Lower	Upper
69	100		
41	72.7	56.7	85.1
39	46.6	36.3	54.5





#57

1,3-Dichloropropane

Concen: 20.063 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

ClientSampled :

VN0914WBS02

Tot Ion: 76 Resp: 163529

Ion Ratio Lower Upper

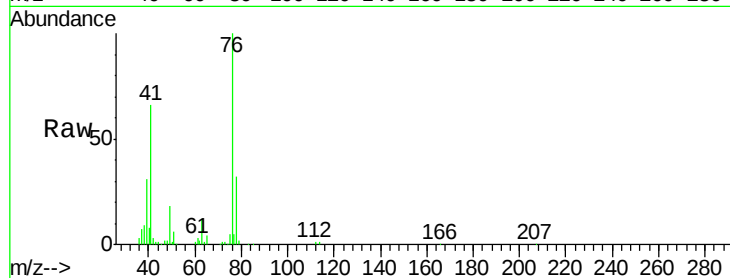
76 100

78 32.7 25.4 38.2

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

80000

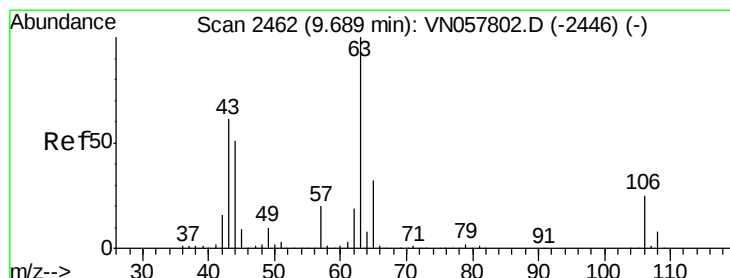
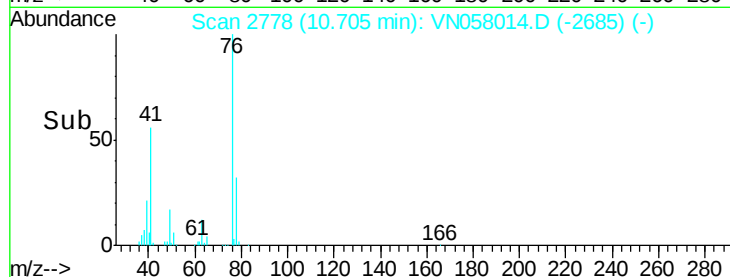
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 91.833 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058014.D

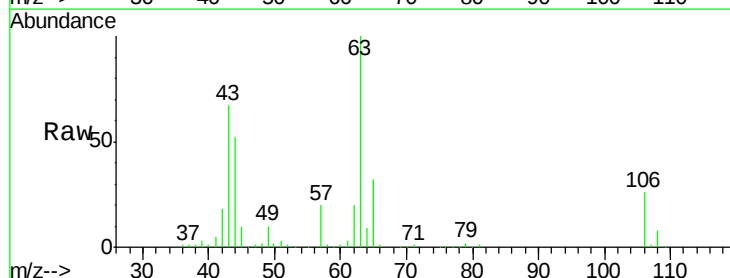
Acq: 13 Sep 2019 13:30

Tgt Ion: 63 Resp: 308046

Ion Ratio Lower Upper

63 100

106 25.1 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

200000

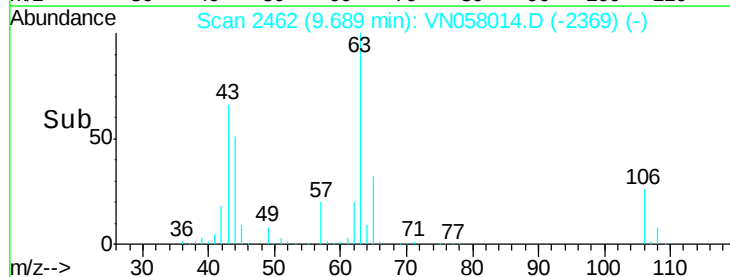
150000

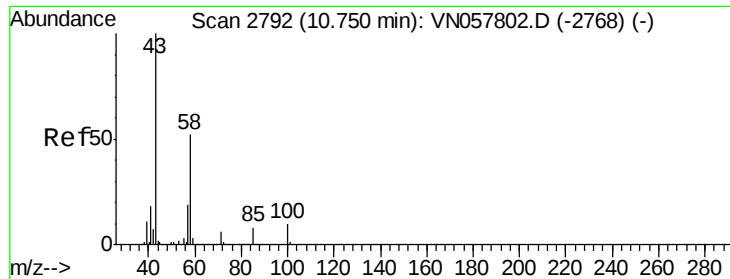
100000

50000

0

Time--> 9.60 9.65 9.70 9.75 9.80





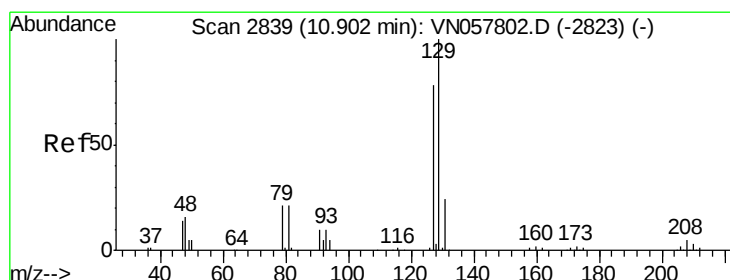
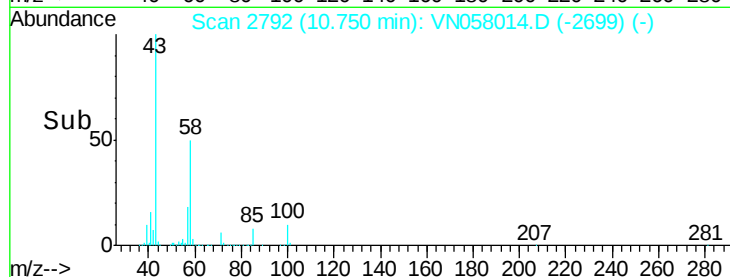
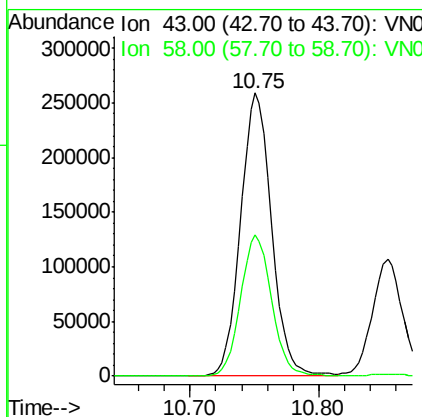
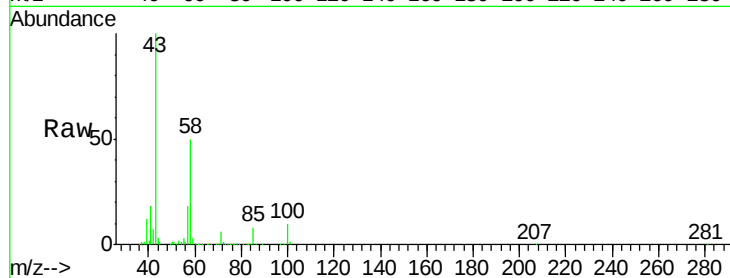
#59
2-Hexanone
Concen: 95.051 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS02

Tot Ion: 43 Resp: 431319
Ion Ratio Lower Upper
43 100
58 50.3 25.6 76.8

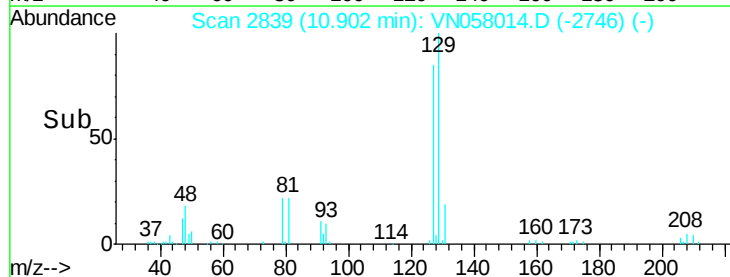
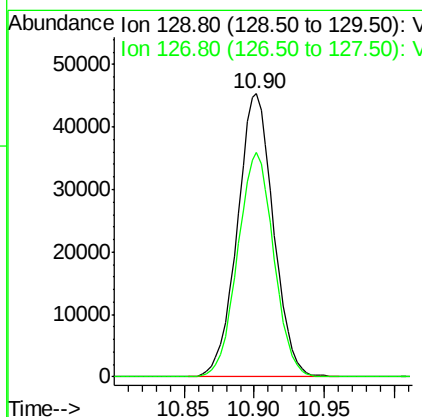
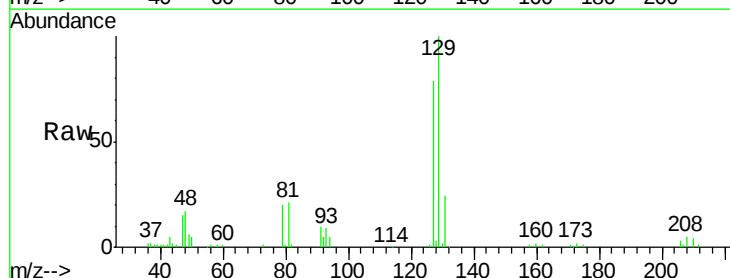
Manual Integrations
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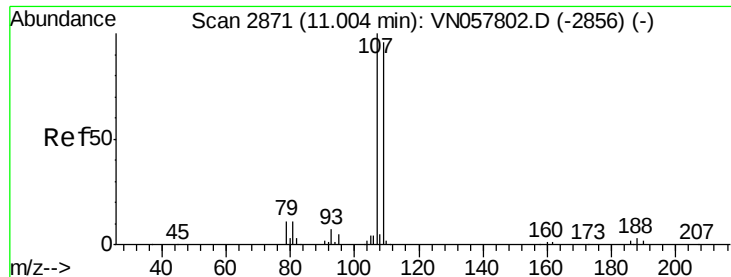
MMDadoda
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#60
Dibromochloromethane
Concen: 18.511 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Tgt Ion: 129 Resp: 81294
Ion Ratio Lower Upper
129 100
127 78.9 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.773 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS02

Tot Ion: 107 Resp: 88410

Ion Ratio Lower Upper

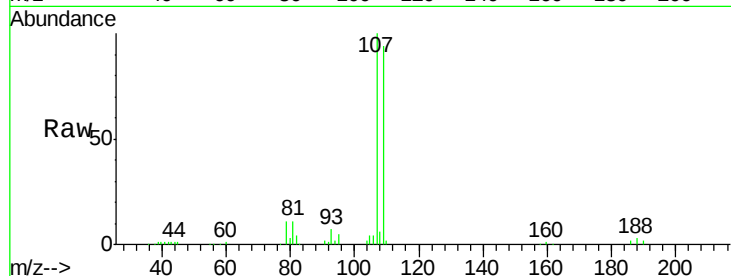
107 100

109 94.0 75.3 112.9

Manual Integrations
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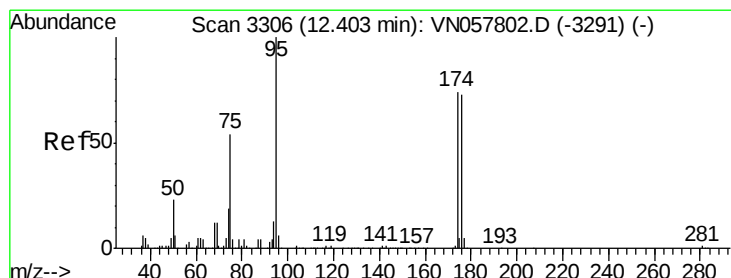
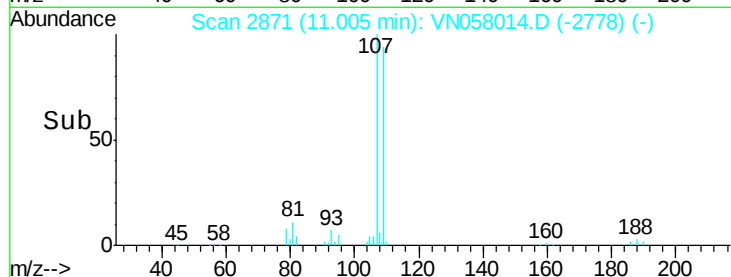
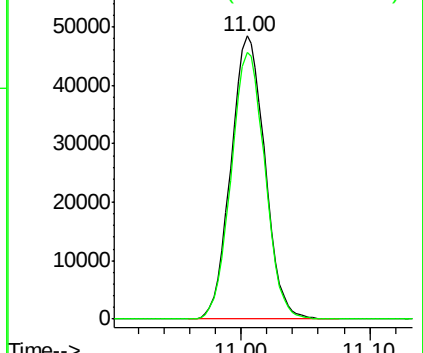
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.300 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

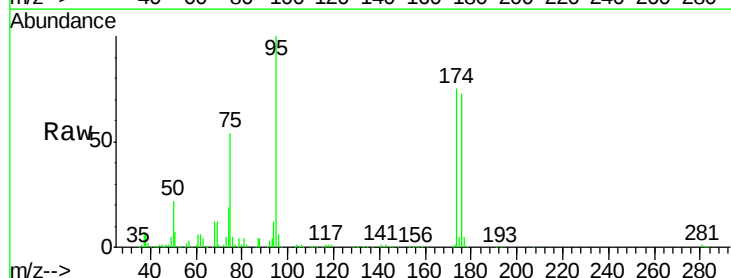
Tgt Ion: 95 Resp: 314081

Ion Ratio Lower Upper

95 100

174 75.1 0.0 150.2

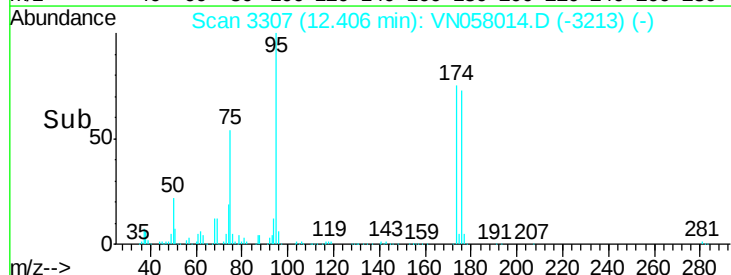
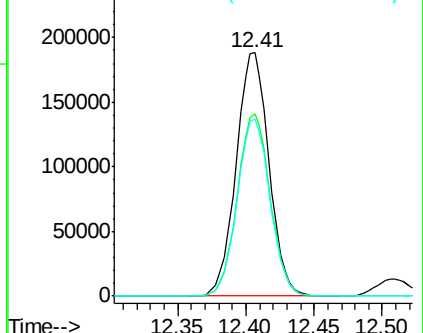
176 73.0 0.0 146.0

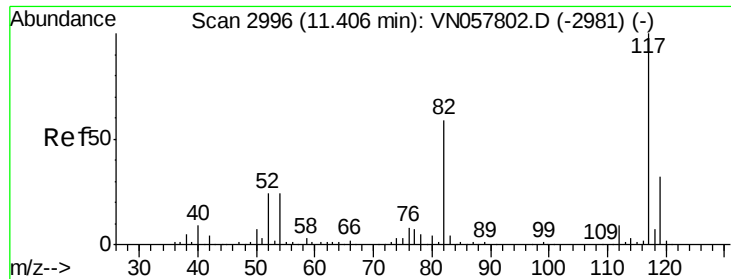


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





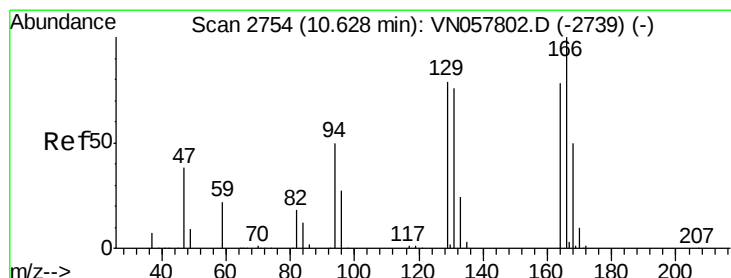
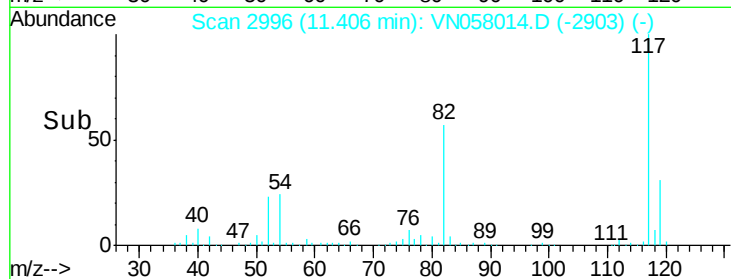
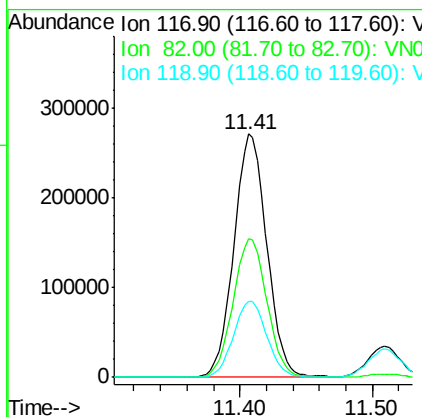
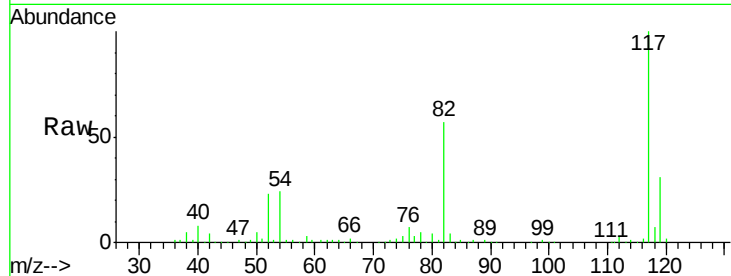
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.9	47.2	70.8
119	31.4	25.3	37.9

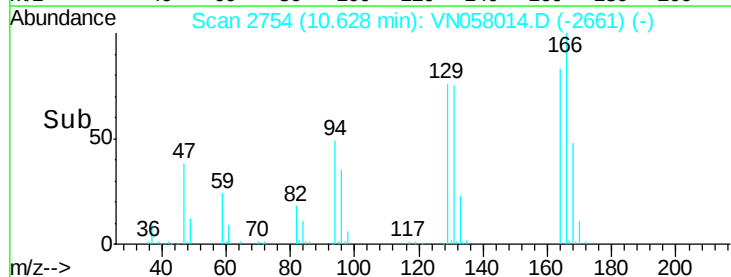
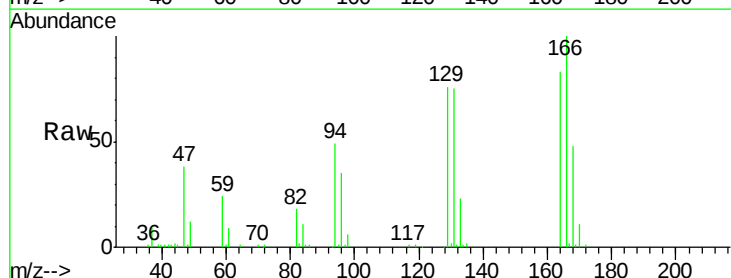
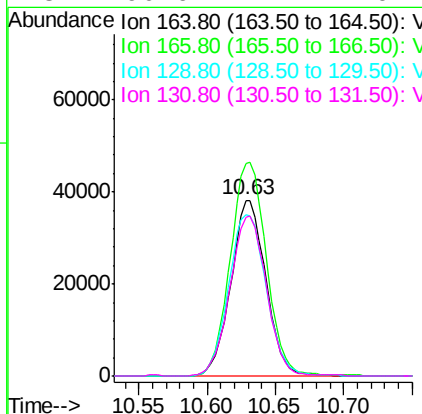
Manual Integrations
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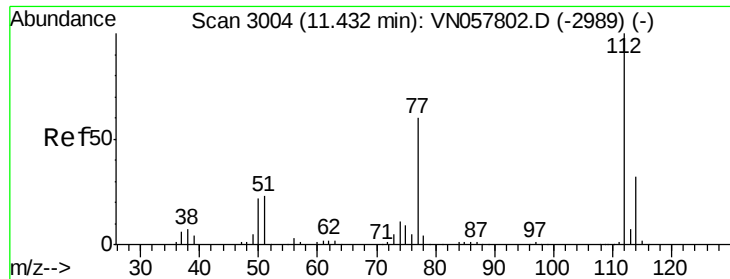
MMDadoda
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#64
Tetrachloroethene
Concen: 19.584 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.2	102.2	153.2
129	91.8	80.8	121.2
131	90.6	77.4	116.2





#65

Chlorobenzene

Concen: 19.671 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS02

Tot Ion:112 Resp: 240835

Ion Ratio Lower Upper

112 100

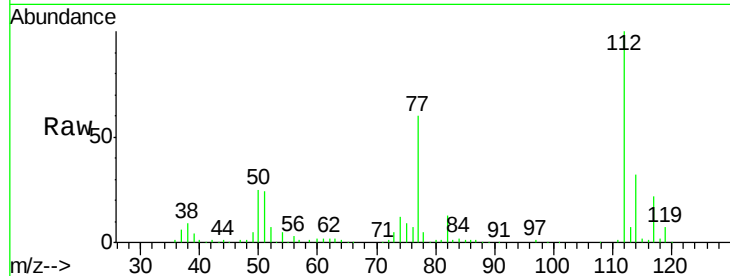
114 31.8 25.2 37.8

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

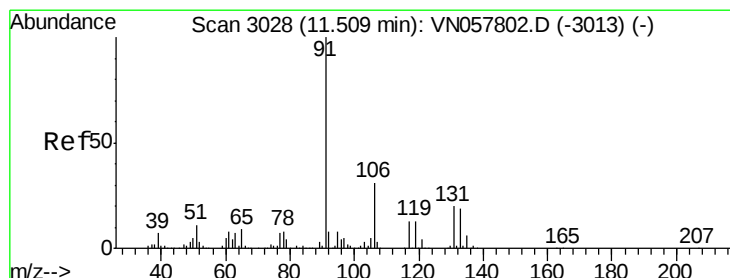
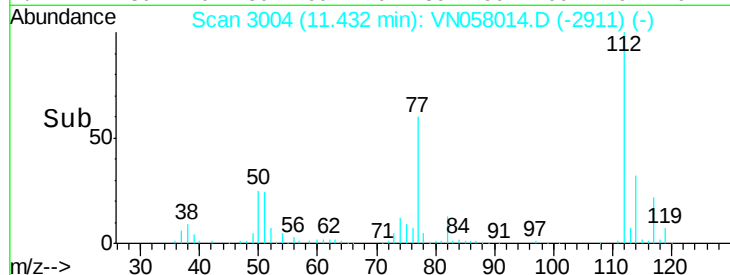
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.753 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

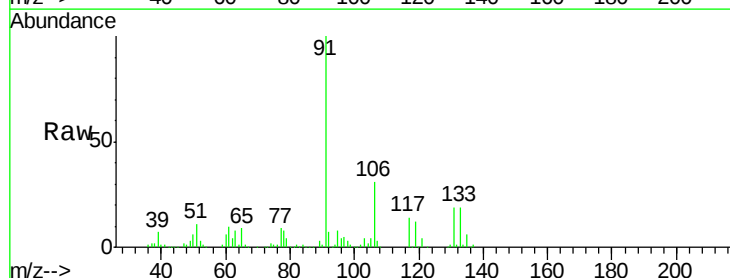
Tgt Ion:131 Resp: 83919

Ion Ratio Lower Upper

131 100

133 96.6 47.1 141.3

119 66.8 33.3 99.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

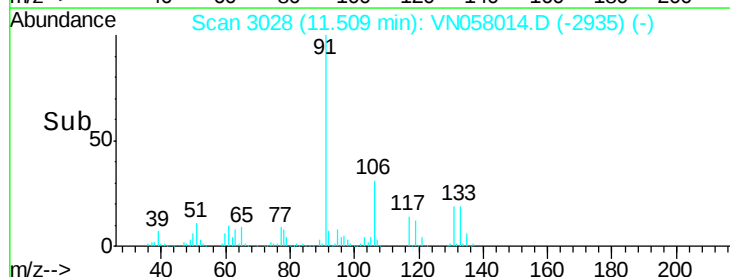
60000

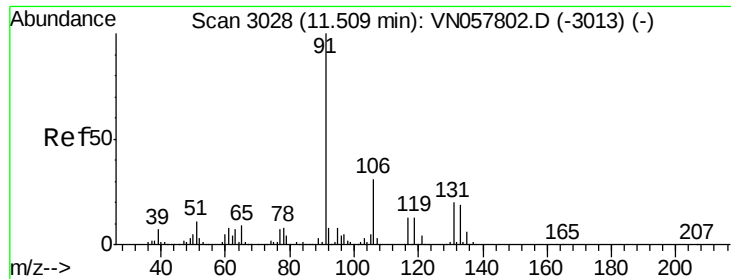
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 20.081 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS02

Tot Ion: 91 Resp: 430866

Ion Ratio Lower Upper

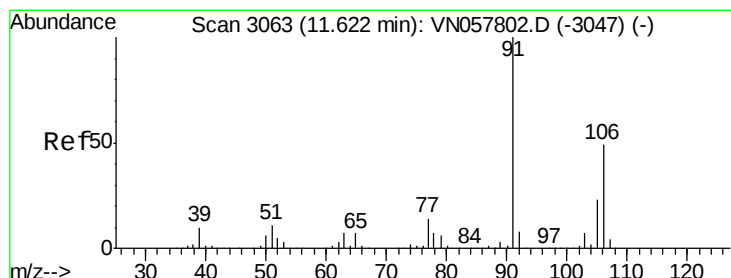
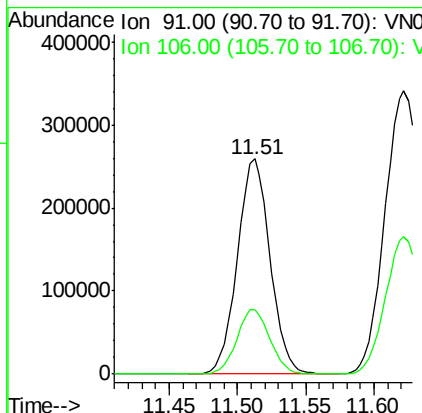
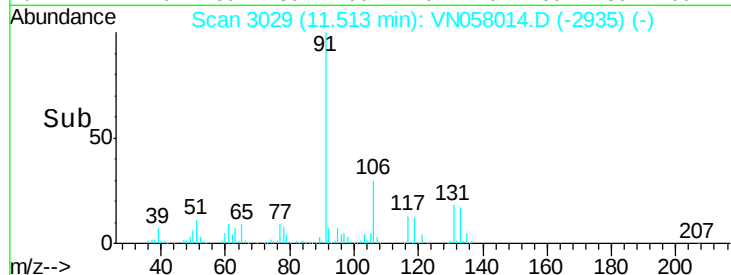
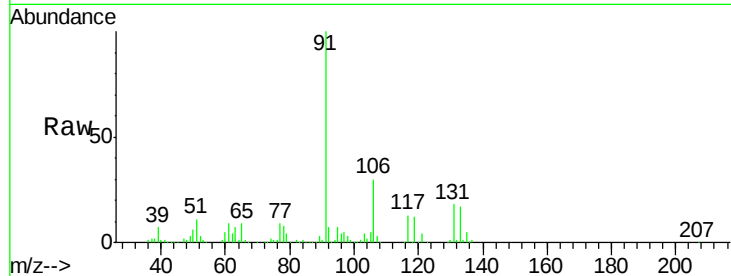
91 100

106 30.0 24.4 36.6

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#68

m/p-Xylenes

Concen: 39.805 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058014.D

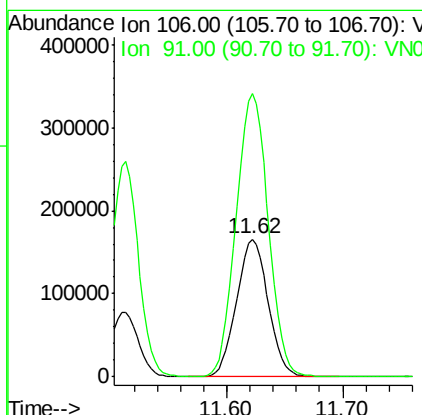
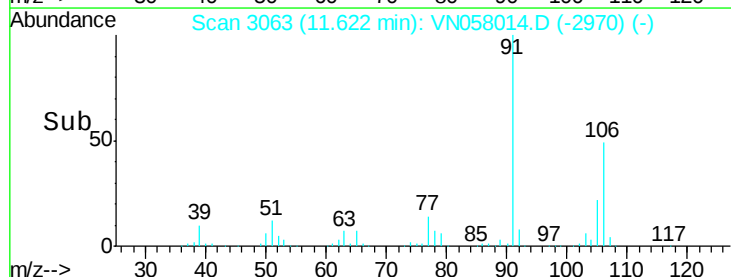
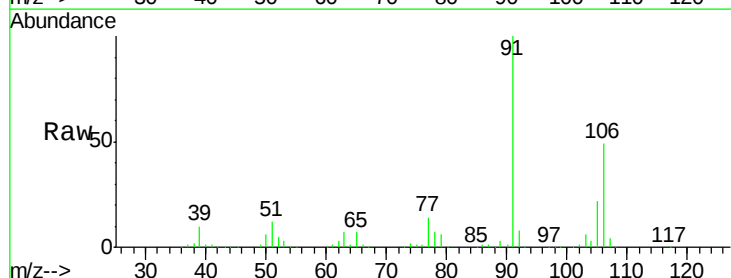
Acq: 13 Sep 2019 13:30

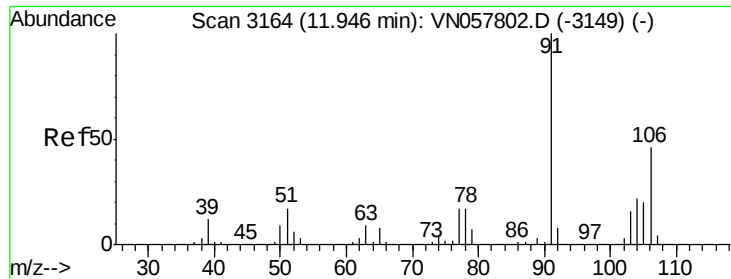
Tgt Ion: 106 Resp: 312851

Ion Ratio Lower Upper

106 100

91 209.2 165.8 248.6





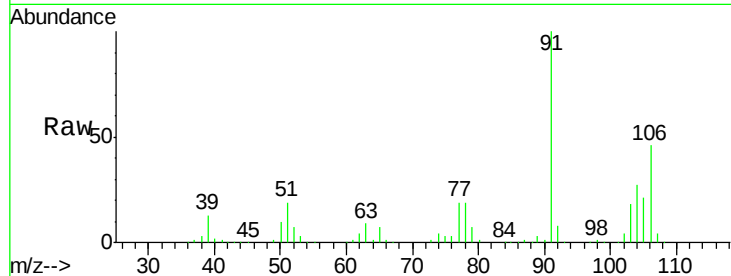
#69
o-Xylene
Concen: 19.930 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS02

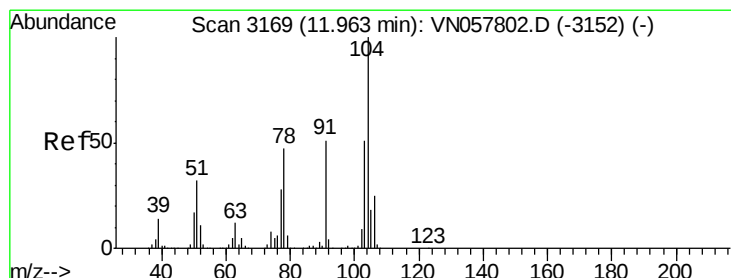
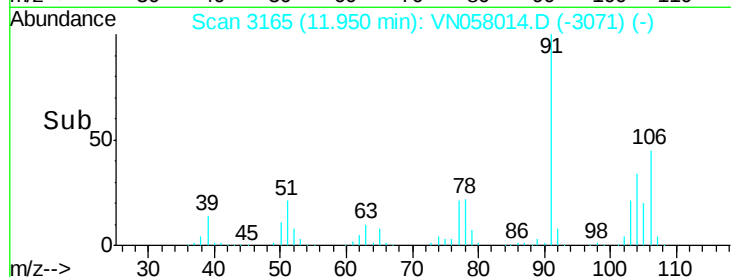
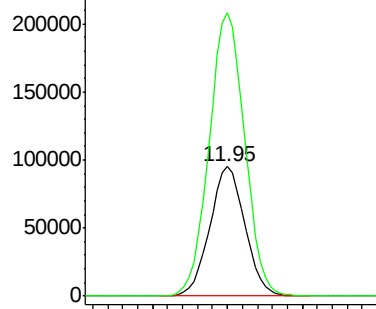
Tot Ion:106 Resp: 155725
Ion Ratio Lower Upper
106 100
91 220.9 108.7 326.1

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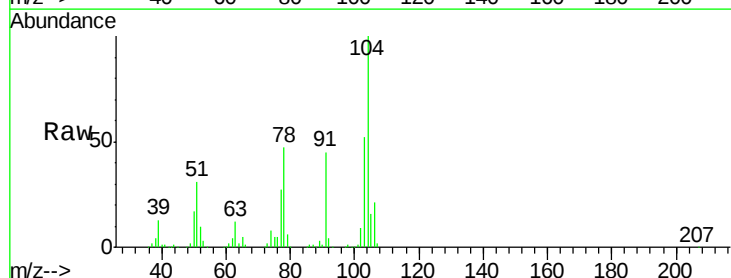


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

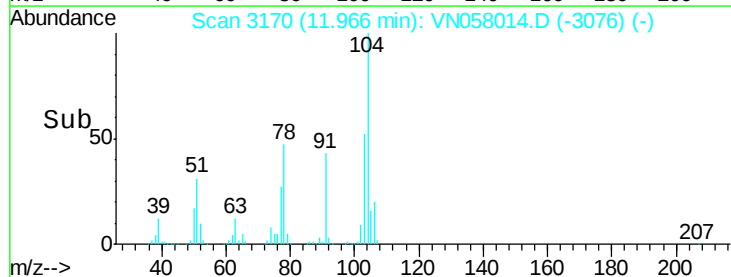
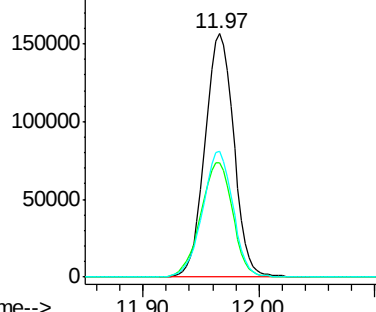


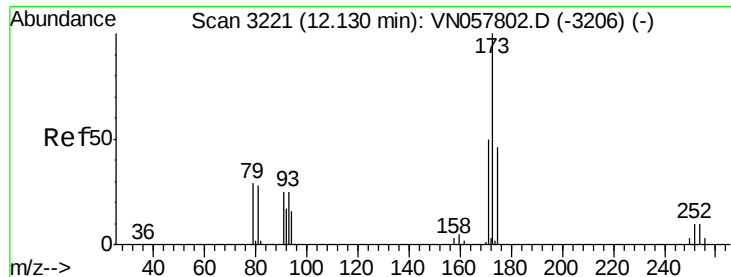
#70
Styrene
Concen: 20.068 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Tgt Ion:104 Resp: 269854
Ion Ratio Lower Upper
104 100
78 52.1 41.3 61.9
103 54.4 43.7 65.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





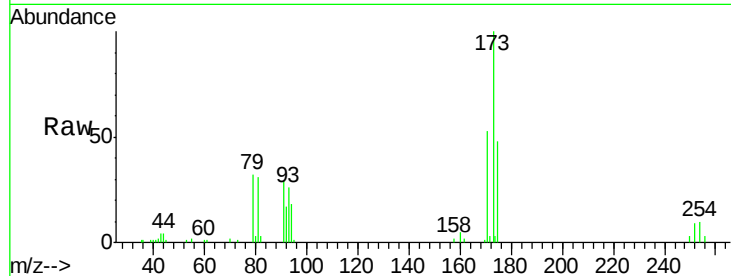
#71
Bromoform
Concen: 17.927 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS02

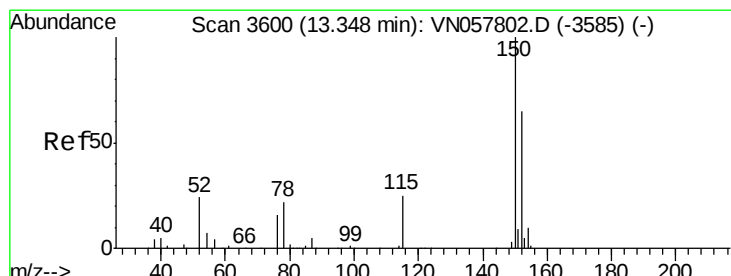
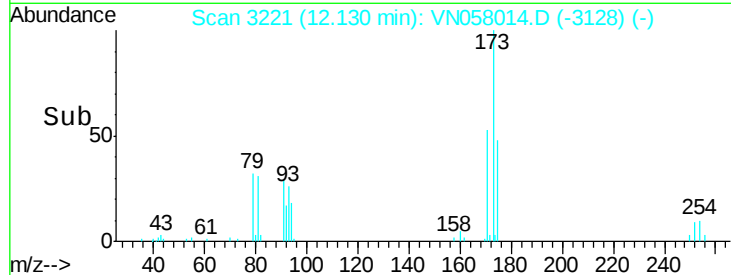
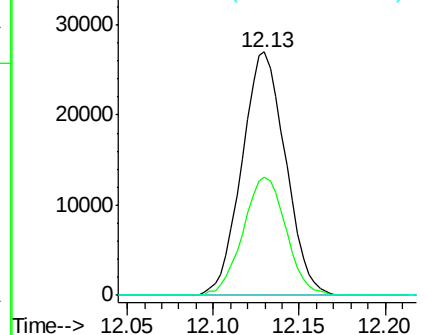
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.5	70.6
254	0.0	0.1	0.1#

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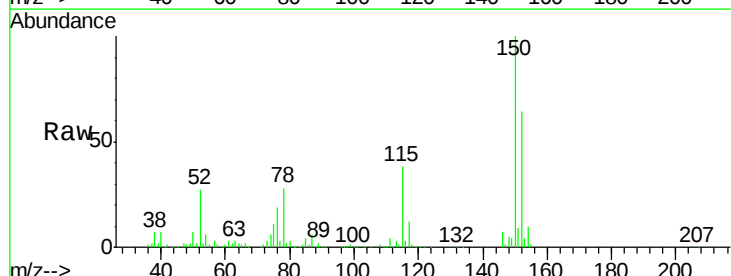


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

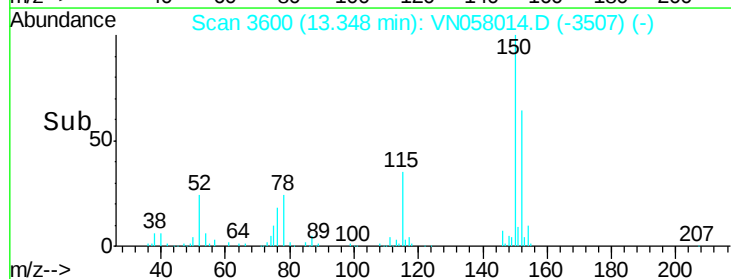
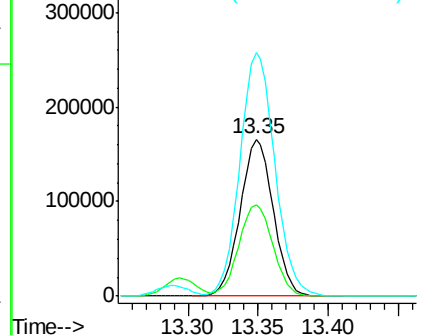


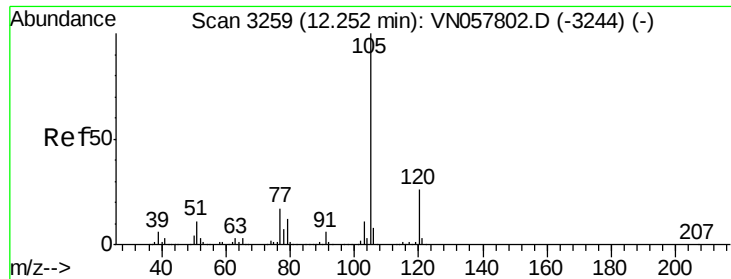
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.5	30.3	91.0
150	163.7	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





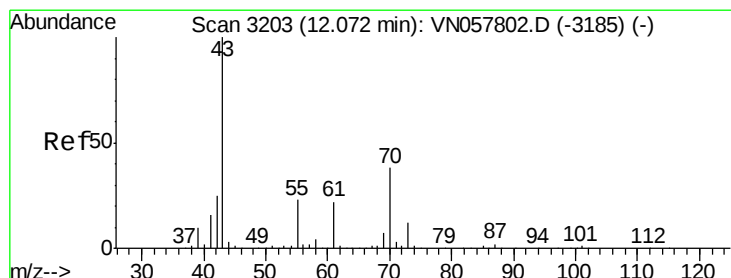
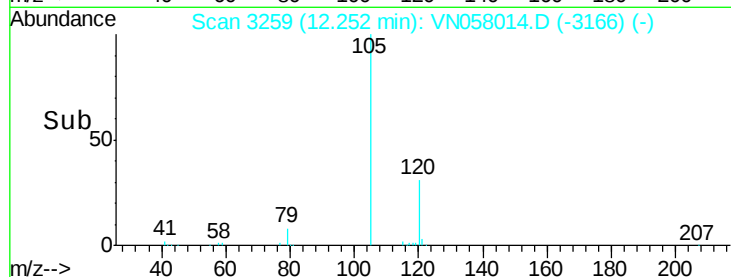
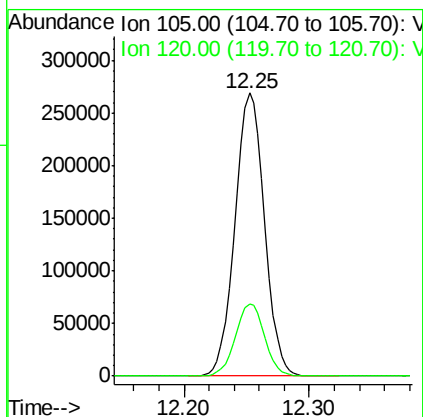
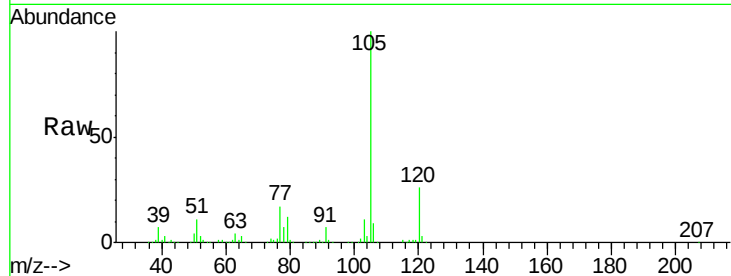
#73
Isopropylbenzene
Concen: 20.747 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.8	38.4

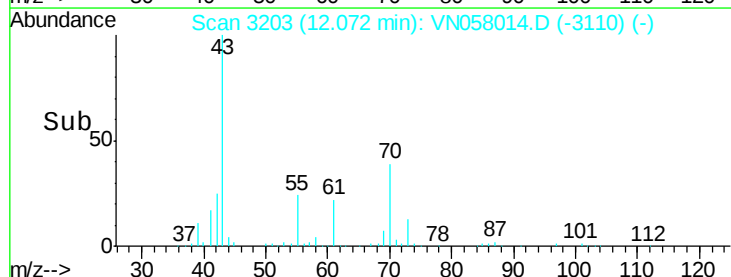
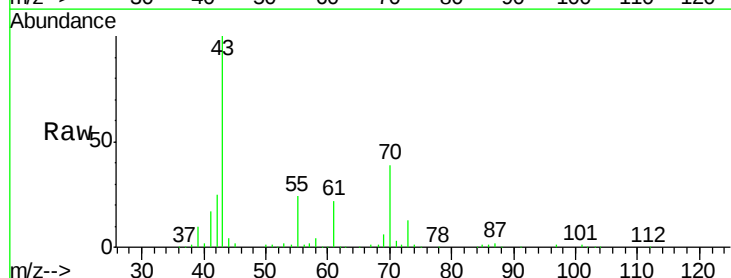
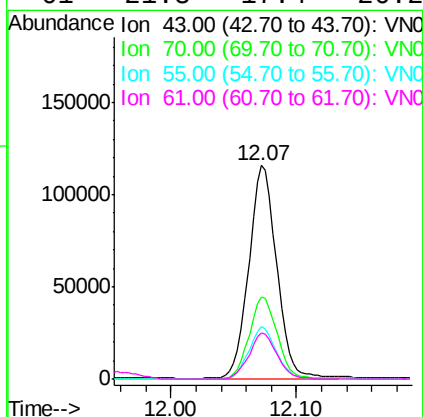
Manual Integrations
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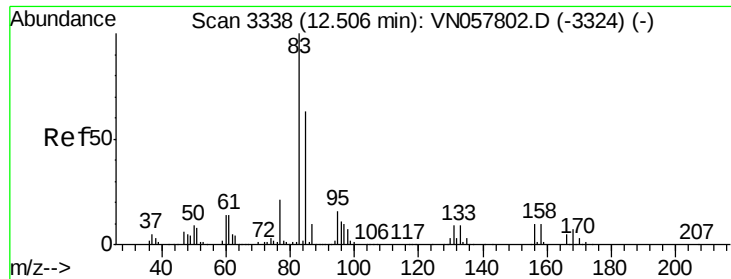
MMDadoda
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#74
N-ethyl acetate
Concen: 19.514 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.6	30.6	45.8
55	24.0	18.6	27.8
61	21.8	17.4	26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.830 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

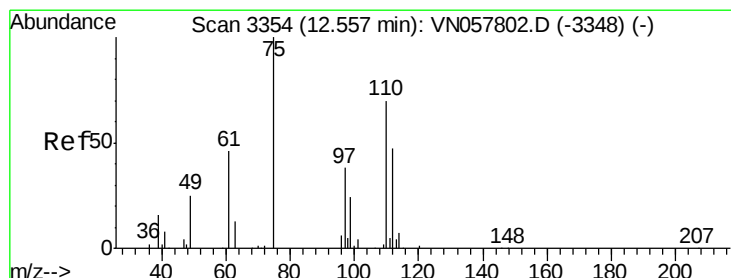
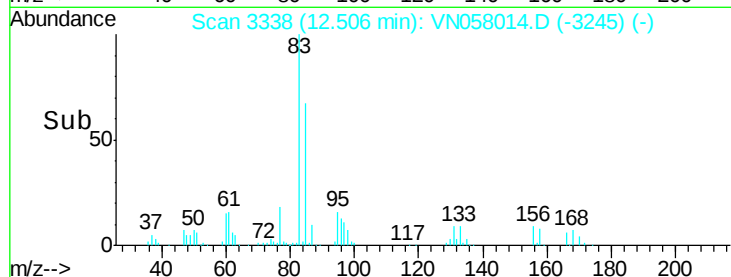
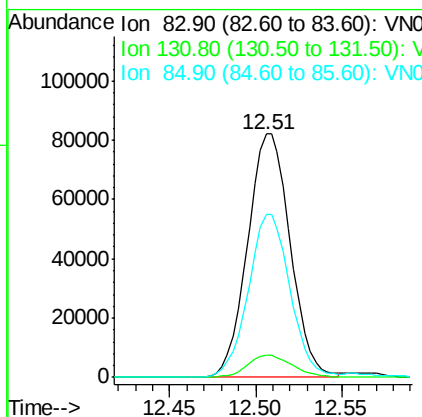
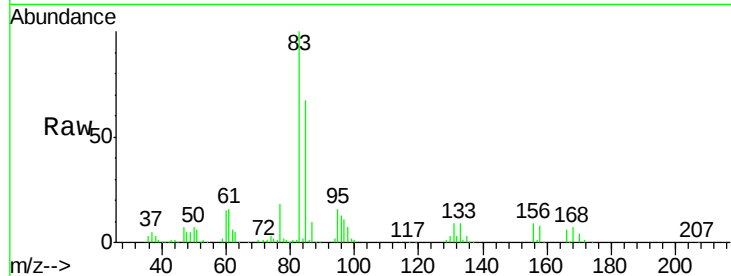
ClientSampleId :

VN0914WBS02

Tot Ion:	83	Resp:	140926
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.8	14.3
85	65.6	31.6	94.7

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#76

1,2,3-Trichloropropane

Concen: 19.238 ug/l m

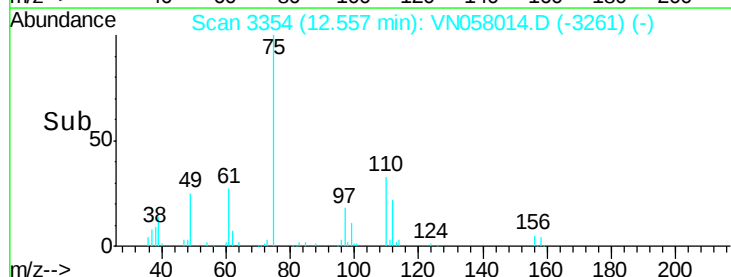
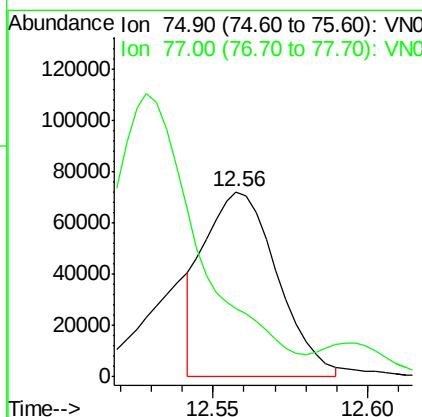
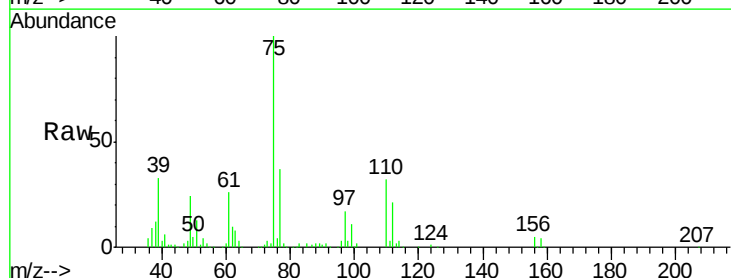
RT: 12.56 min Scan# 3354

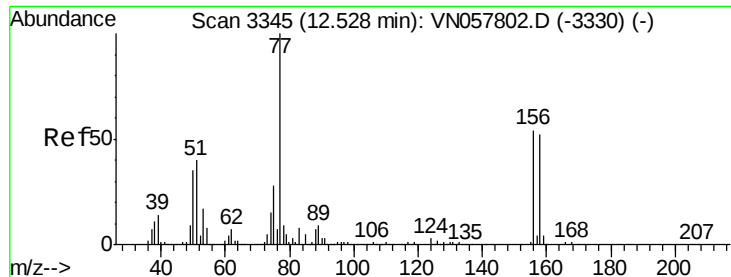
Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Tgt Ion:	75	Resp:	118378
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.055 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

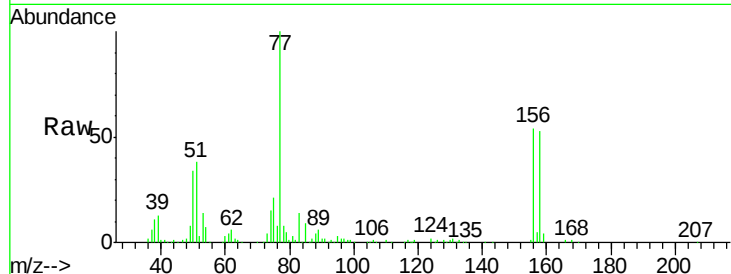
ClientSampleId :

VN0914WBS02

Tot Ion:	156	Resp:	100279
Ion Ratio	Lower	Upper	
156	100		
77	224.0	113.7	341.1
158	97.4	48.5	145.6

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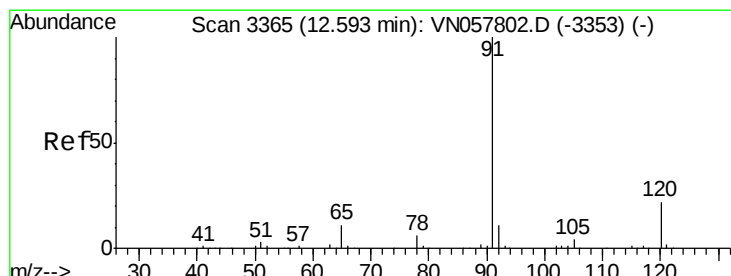
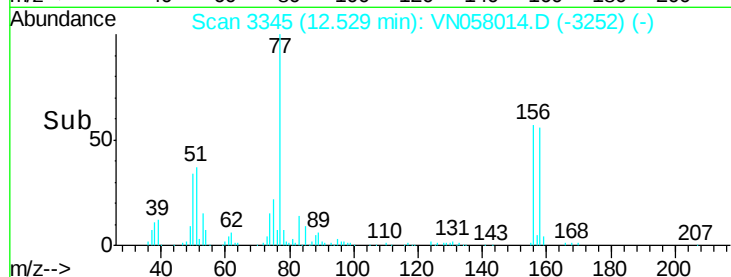
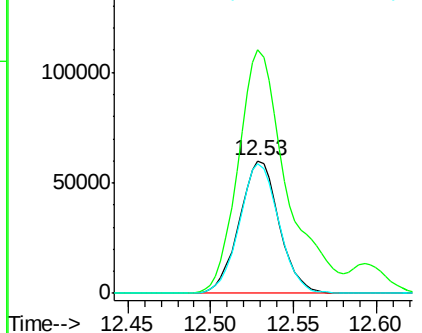
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.855 ug/l

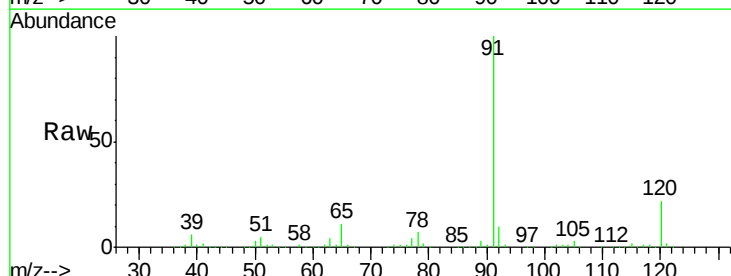
RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058014.D

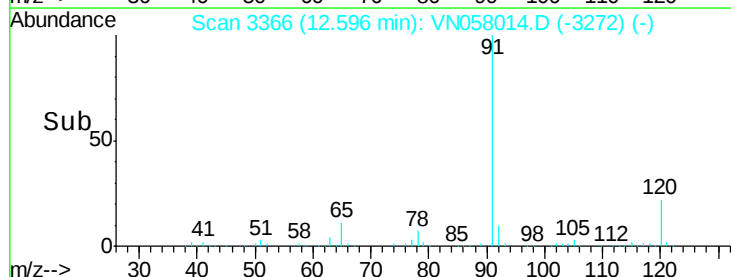
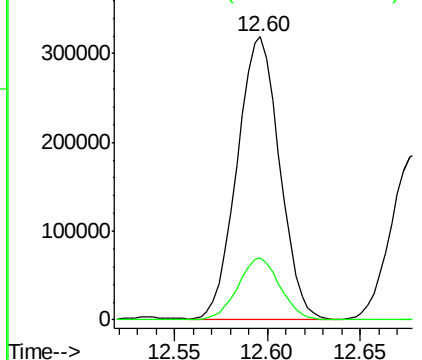
Acq: 13 Sep 2019 13:30

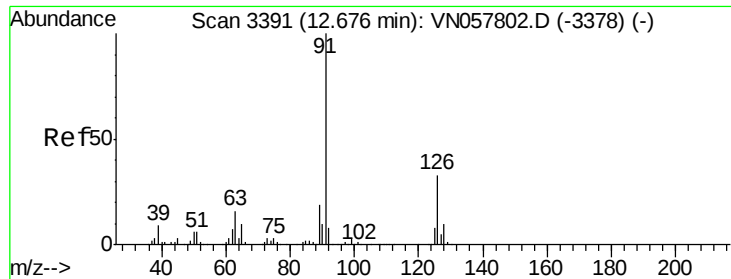
Tgt Ion:	91	Resp:	505485
Ion Ratio	Lower	Upper	
91	100		
120	21.6	11.1	33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.975 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS02

Tot Ion: 91 Resp: 306001

Ion Ratio Lower Upper

91 100

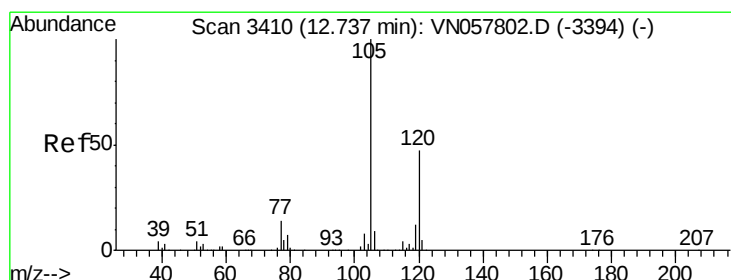
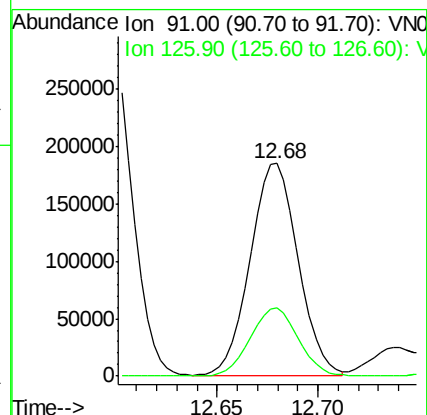
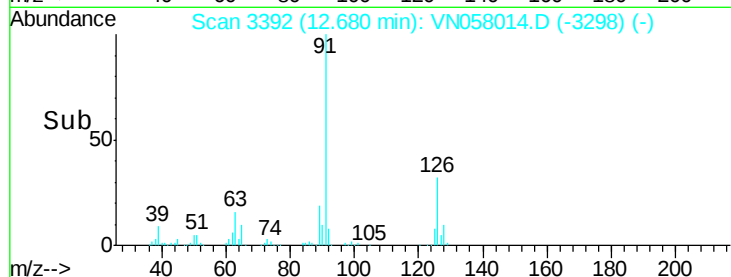
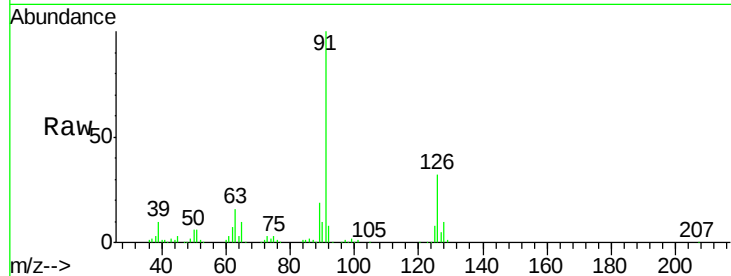
126 32.2 16.4 49.2

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#80

1,3,5-Trimethylbenzene

Concen: 20.689 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058014.D

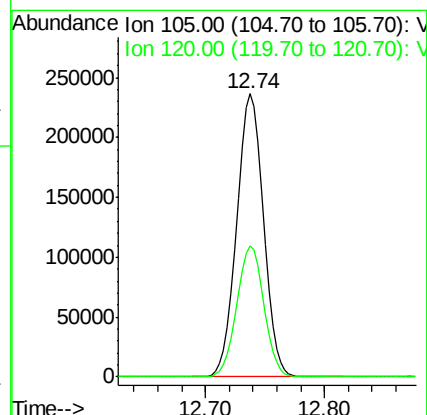
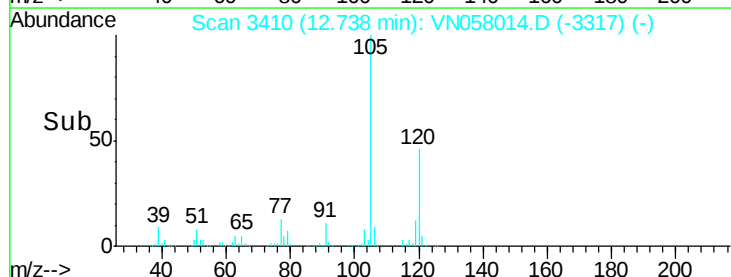
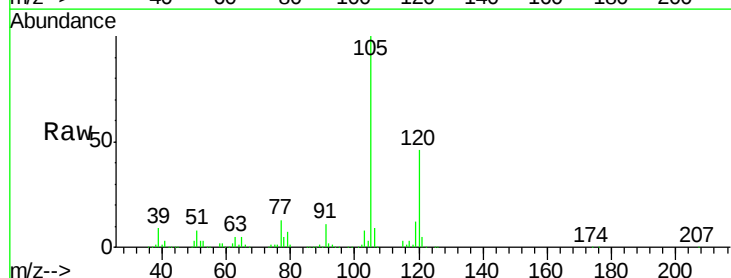
Acq: 13 Sep 2019 13:30

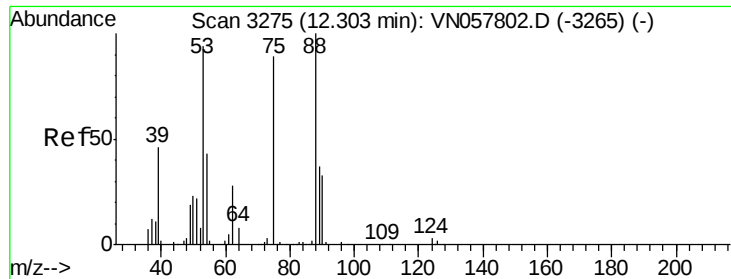
Tgt Ion: 105 Resp: 368968

Ion Ratio Lower Upper

105 100

120 46.9 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 15.069 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Instrument :

MSVOA_N

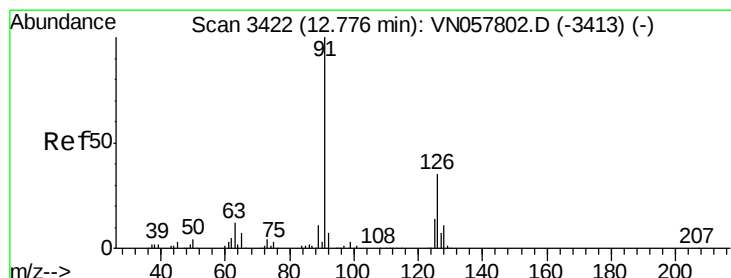
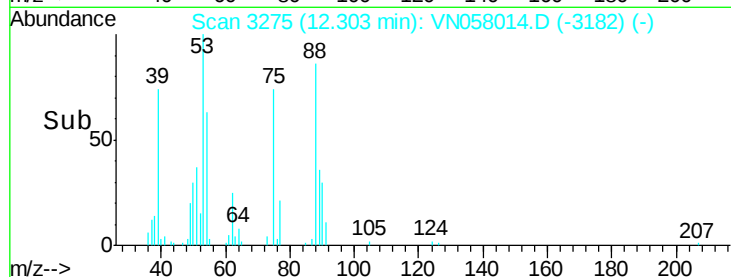
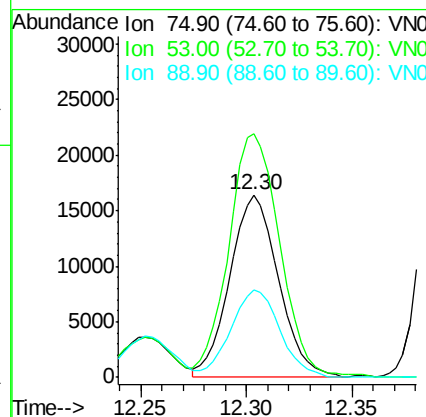
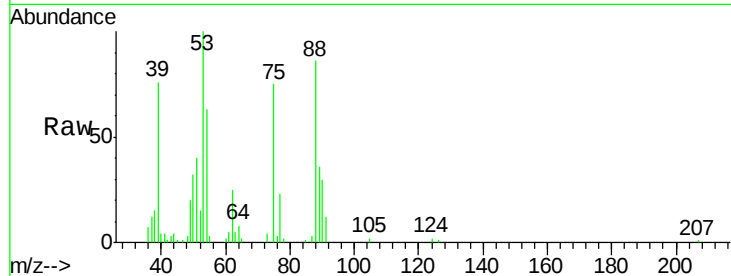
ClientSampleId :

VN0914WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	140.5	88.4	132.6#
89	48.0	35.3	52.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.658 ug/l

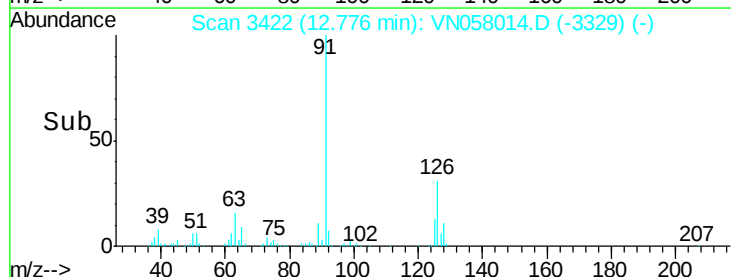
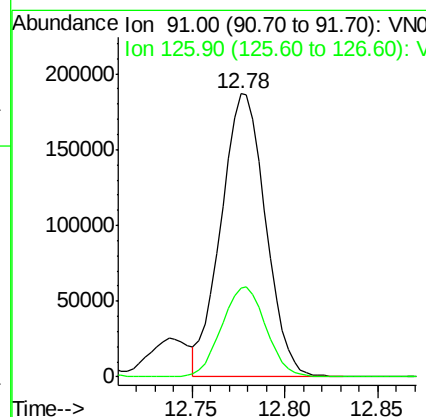
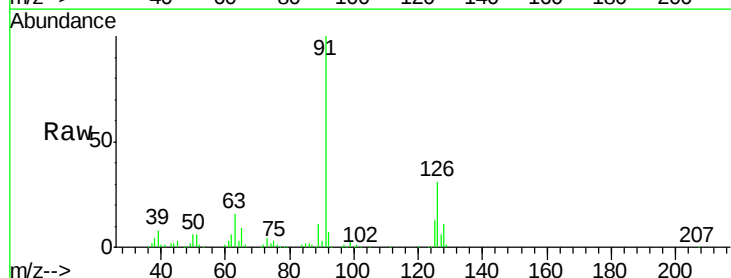
RT: 12.78 min Scan# 3422

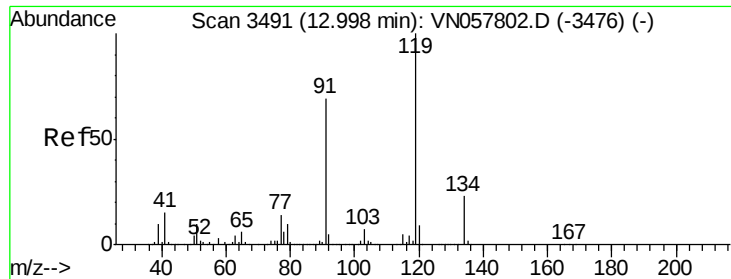
Delta R.T. 0.00 min

Lab File: VN058014.D

Acq: 13 Sep 2019 13:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.0	48.0





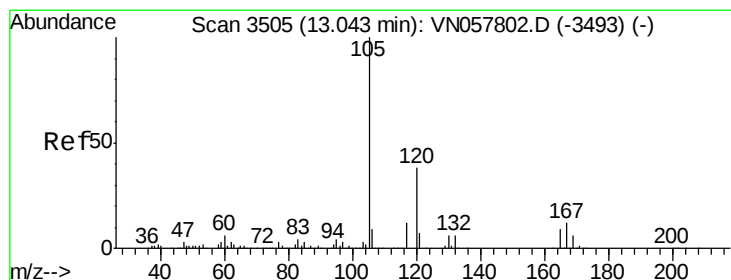
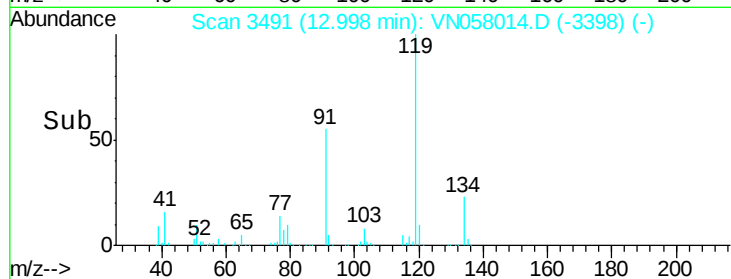
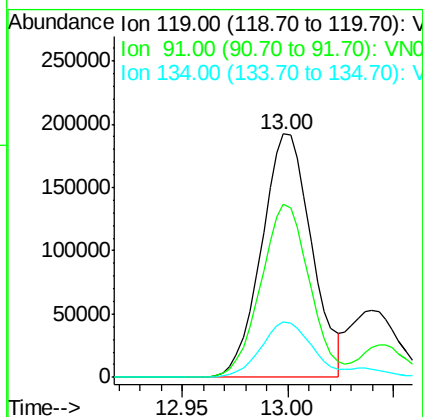
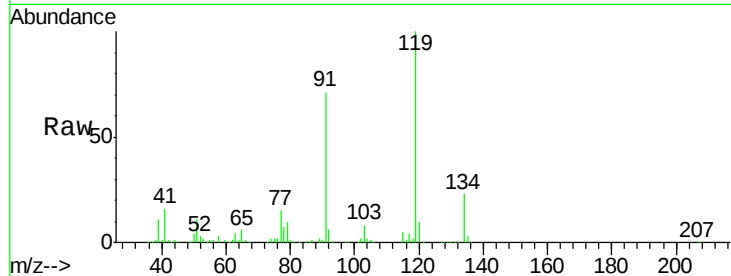
#83
tert-Butylbenzene
Concen: 20.028 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	317503		
91	69.4	33.6	100.8	
134	23.3	11.7	35.0	

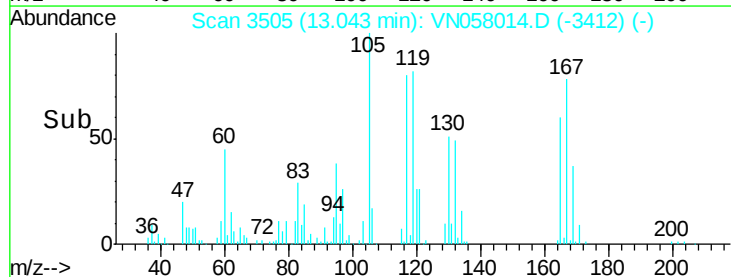
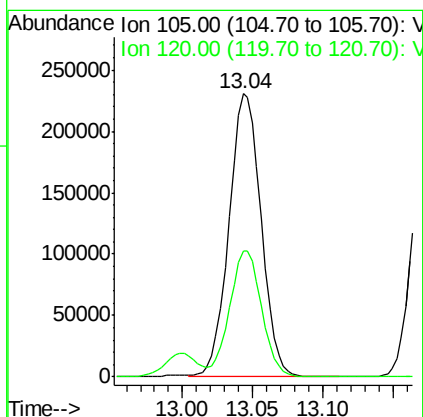
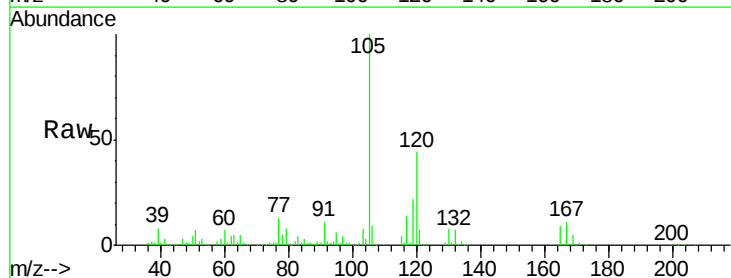
Manual Integrations
APPROVED

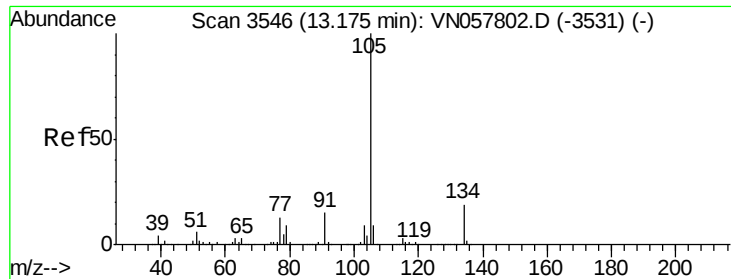
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#84
1,2,4-Trimethylbenzene
Concen: 20.226 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	366616		
120	44.5	22.4	67.2	





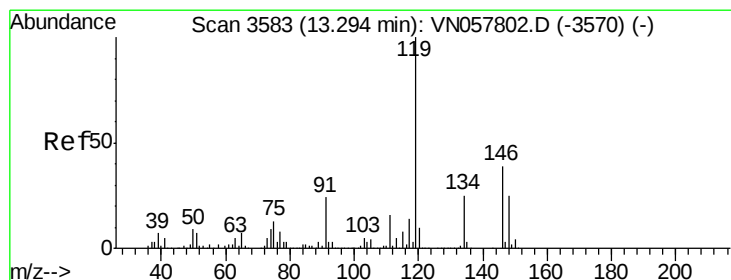
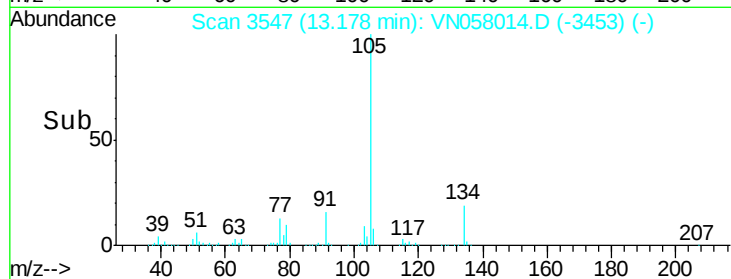
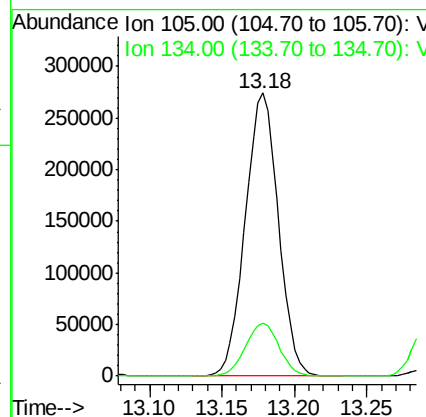
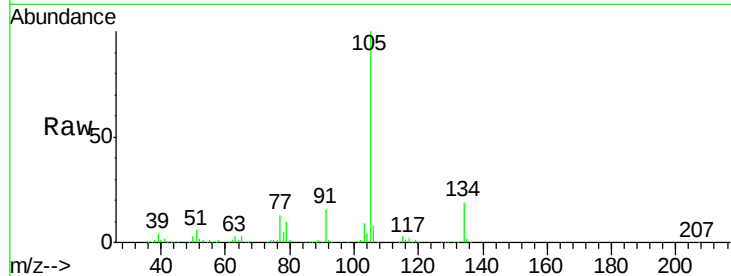
#85
 sec-Butylbenzene
 Concen: 20.662 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.6	28.6

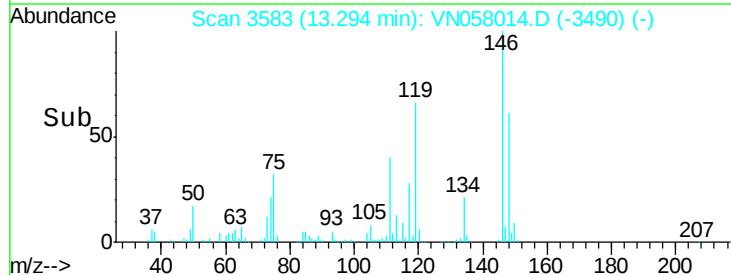
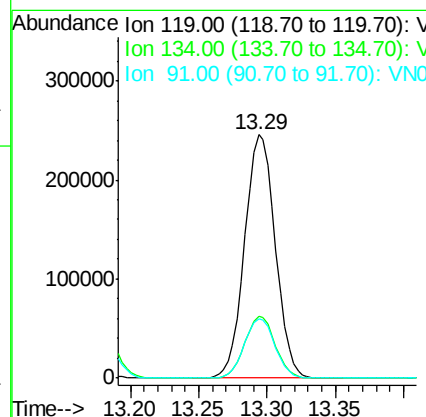
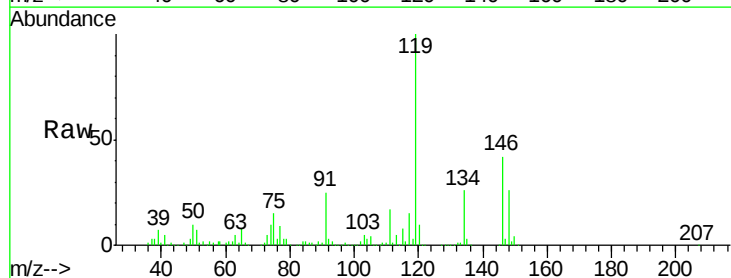
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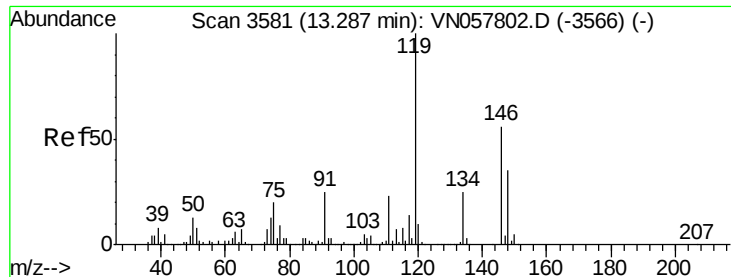
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#86
 p-Isopropyltoluene
 Concen: 20.627 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.5	37.5
91	24.5	12.3	36.8





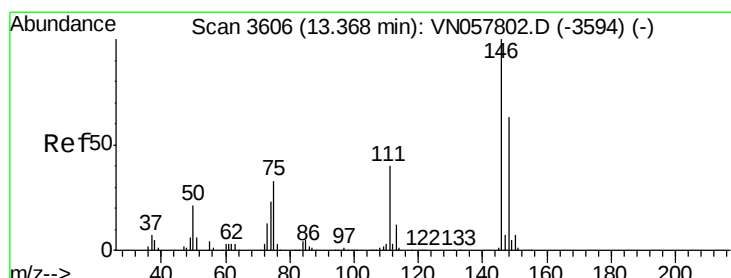
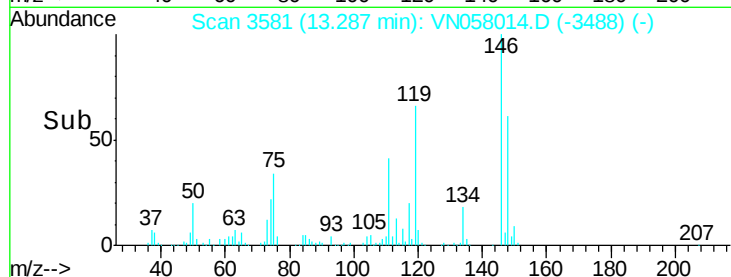
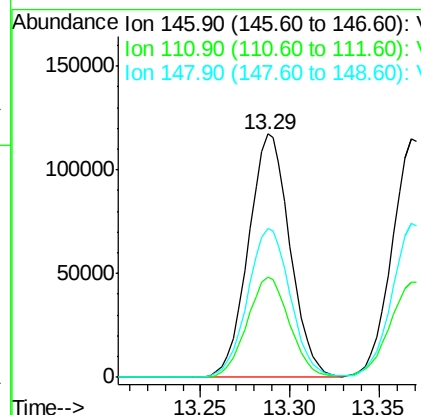
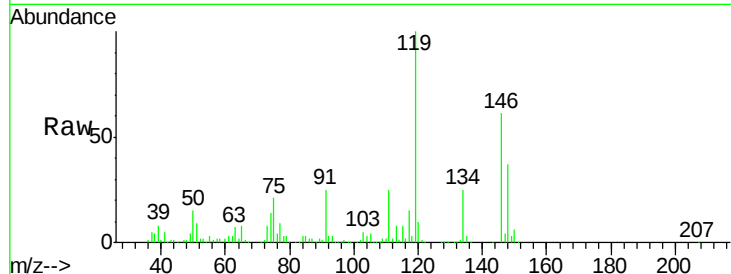
#87
 1,3-Dichlorobenzene
 Concen: 19.769 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	190956		
111	42.0	20.5	61.6	
148	62.8	31.5	94.5	

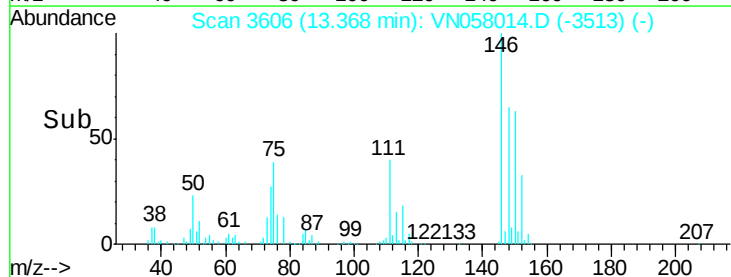
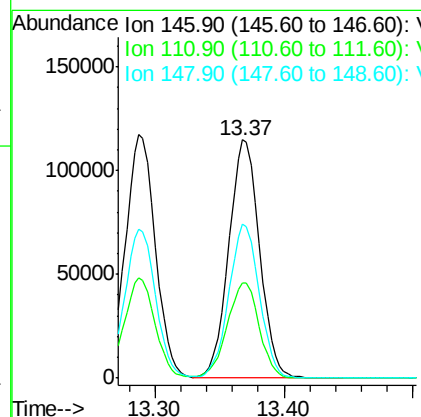
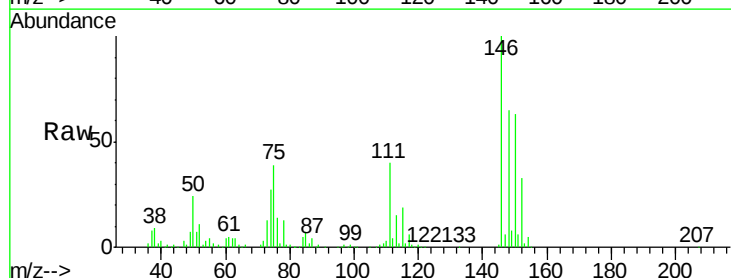
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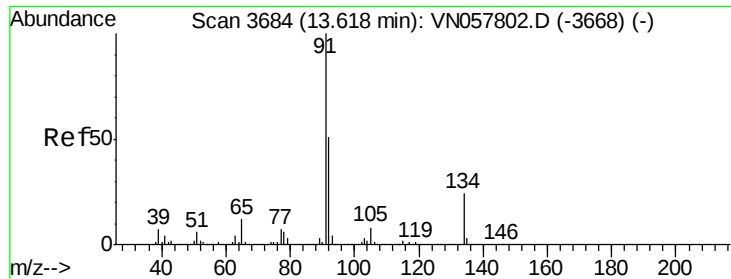
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#88
 1,4-Dichlorobenzene
 Concen: 19.356 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	189780		
111	41.9	20.4	61.2	
148	64.4	31.8	95.4	





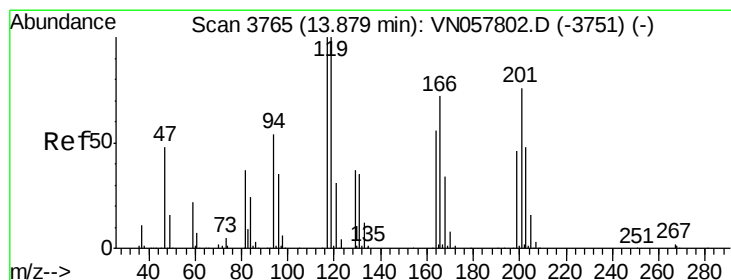
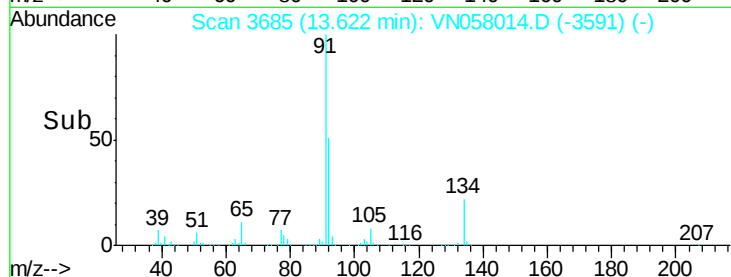
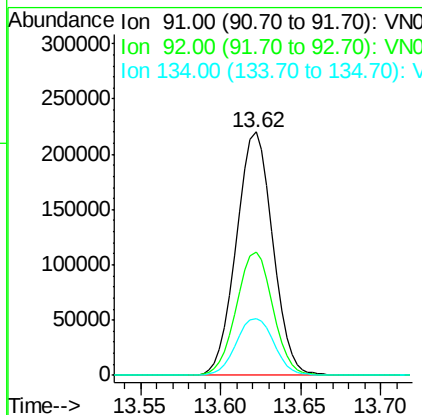
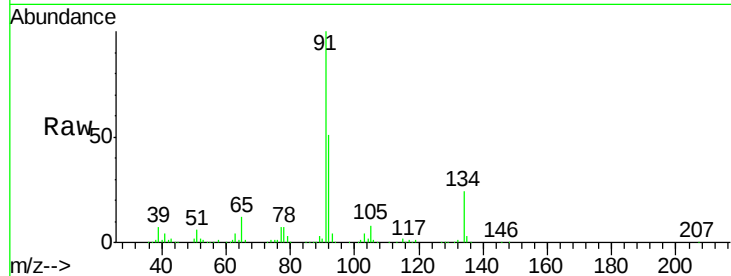
#89
n-Butylbenzene
Concen: 19.538 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.7	25.7	77.0
134	24.3	11.9	35.7

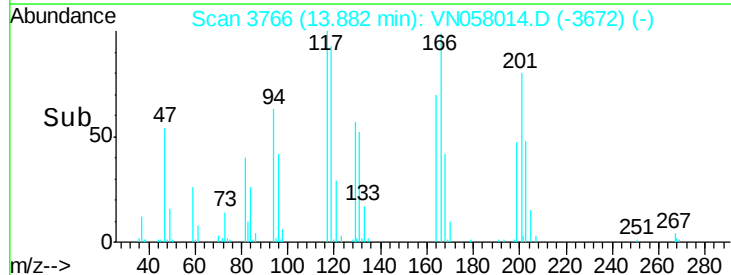
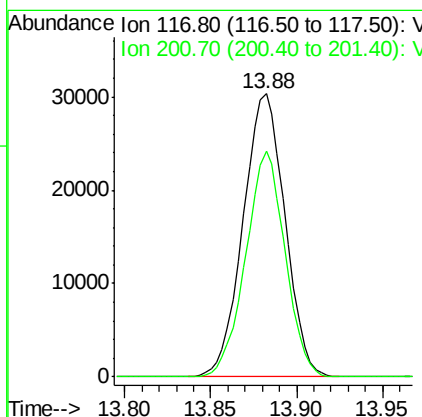
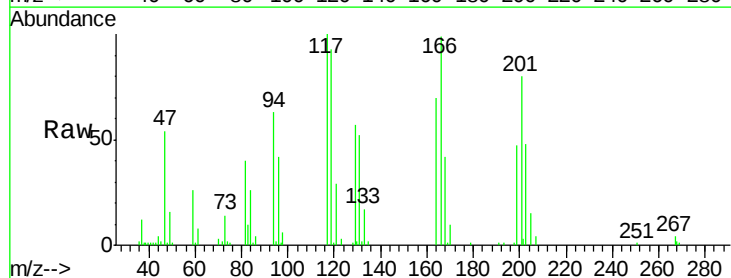
Manual Integrations
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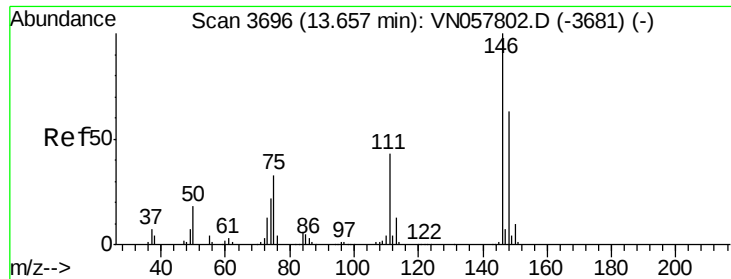
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#90
Hexachloroethane
Concen: 18.595 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.0	37.5	112.7





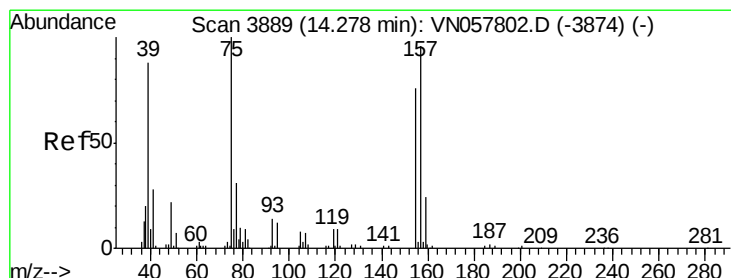
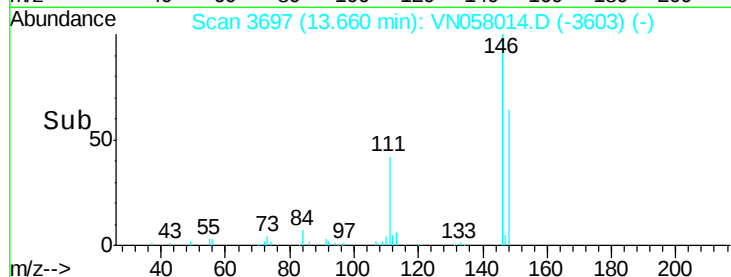
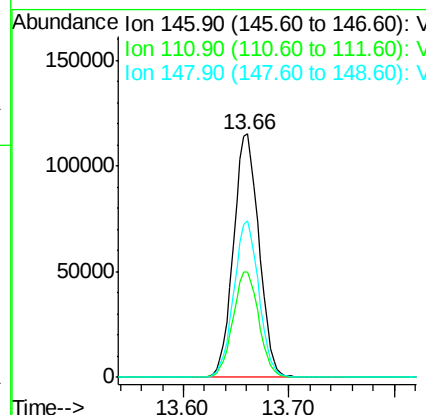
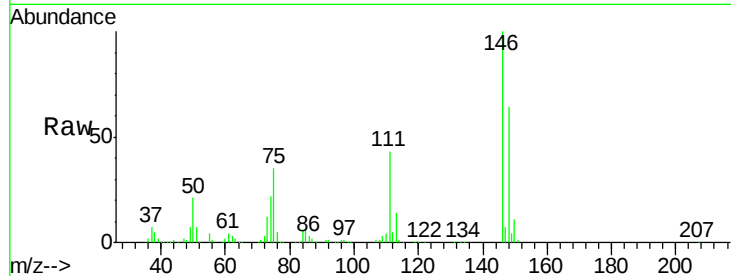
#91
 1,2-Dichlorobenzene
 Concen: 19.992 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	192920		
111	43.7	21.3	63.9	
148	62.9	31.4	94.3	

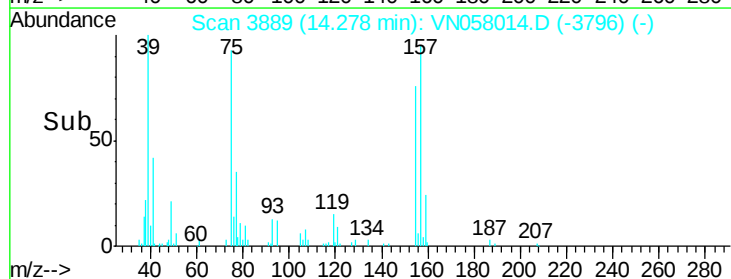
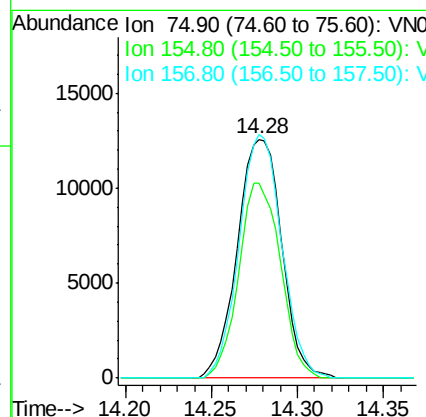
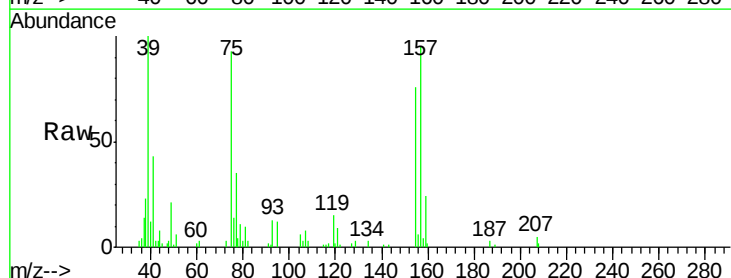
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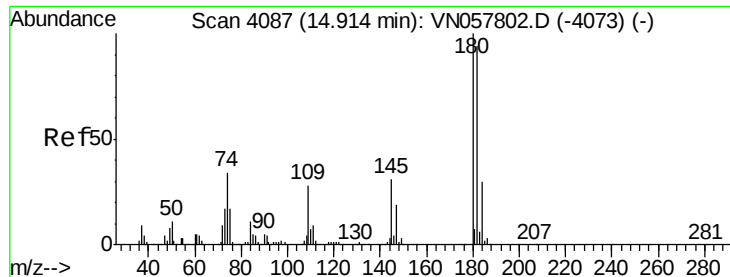
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.283 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22632		
155	76.6	37.3	111.8	
157	97.8	47.9	143.8	





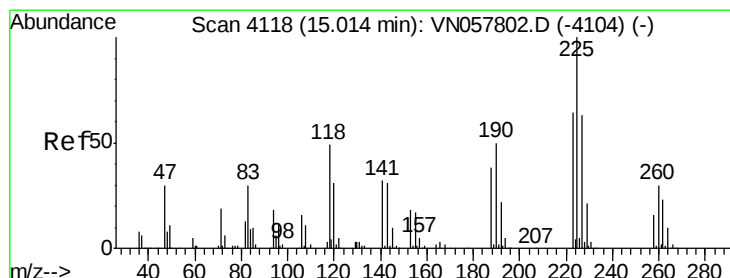
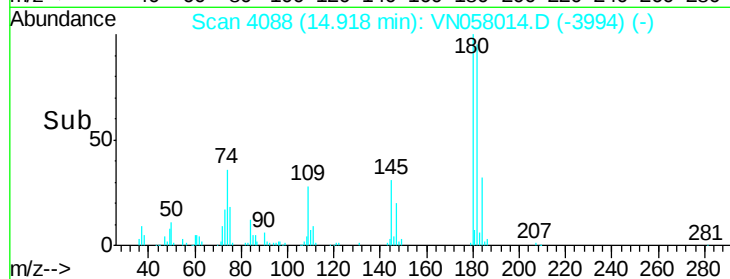
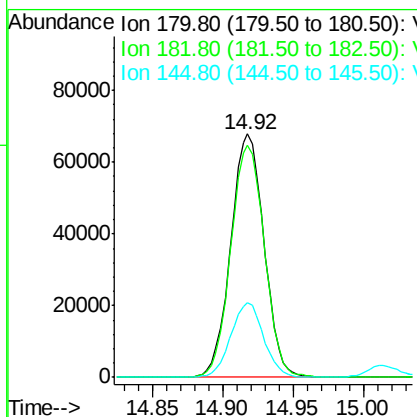
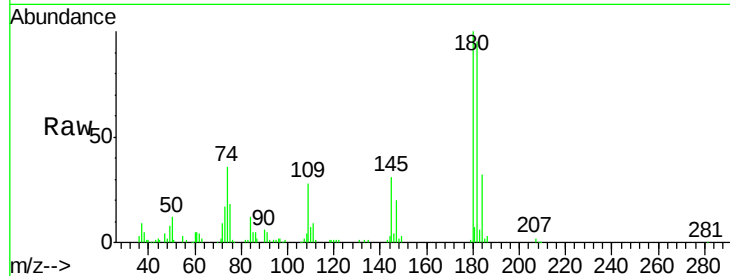
#93
 1,2,4-Trichlorobenzene
 Concen: 17.800 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	112274		
182	96.4	46.9	140.8	
145	30.1	14.9	44.7	

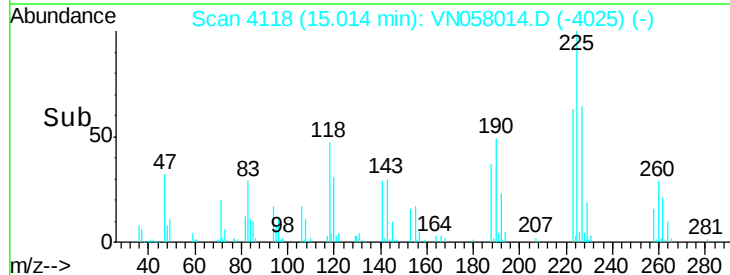
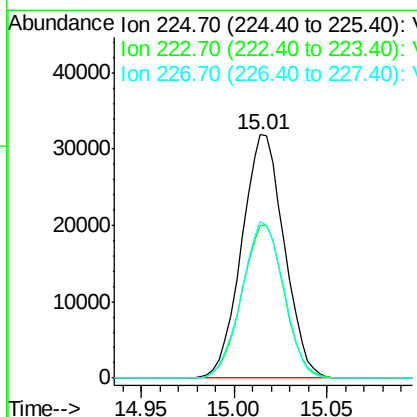
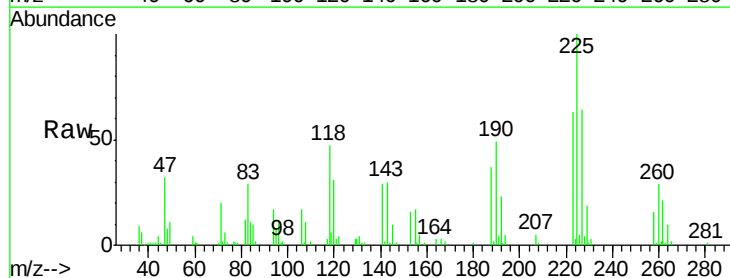
Manual Integrations
 APPROVED

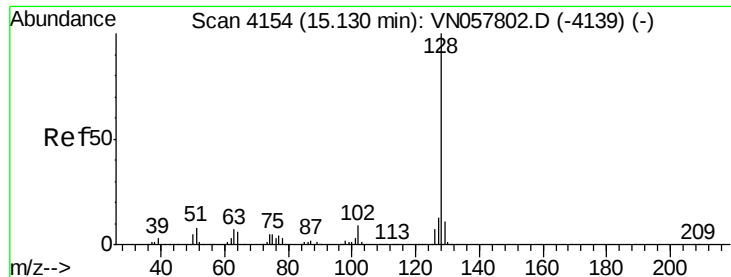
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#94
 Hexachlorobutadiene
 Concen: 19.062 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058014.D
 Acq: 13 Sep 2019 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	50968		
223	62.6	32.4	97.2	
227	63.5	31.8	95.4	





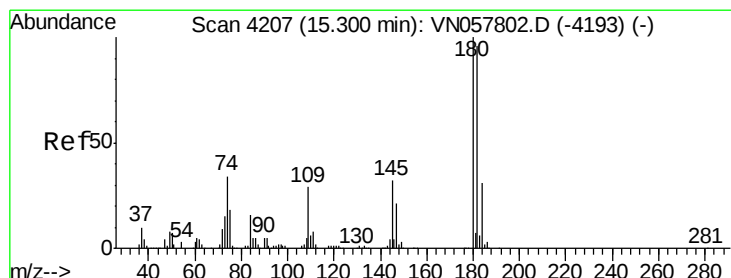
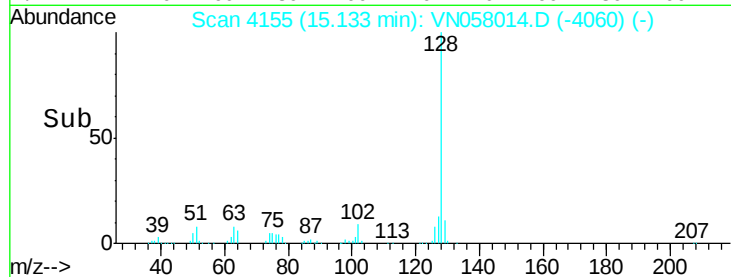
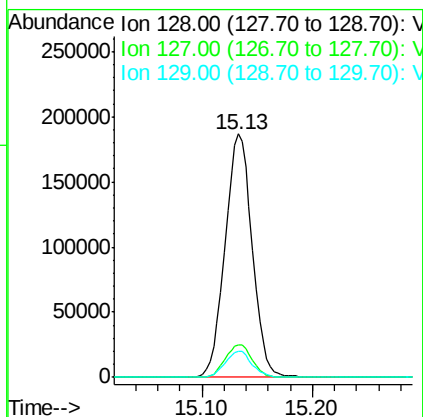
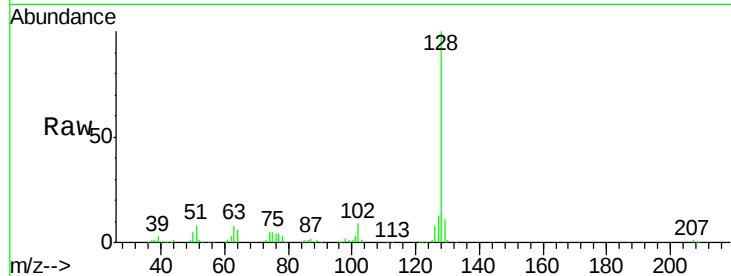
#95
Naphthalene
Concen: 18.978 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.3	15.5
129	10.6	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.496 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058014.D
Acq: 13 Sep 2019 13:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.3	144.8
145	31.5	16.3	48.8

