

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\
 Data File : VN058053.D
 Acq On : 14 Sep 2019 6:00
 Operator : JC/SP
 Sample : VN0914WBSD04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD04

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 2:11:06 PM

Quant Time: Sep 14 06:56:20 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	326015	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	536540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	496193	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	284737	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	350484	53.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.16%	
35) Dibromofluoromethane	7.58	113	248701	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
50) Toluene-d8	10.09	98	972912	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
62) 4-Bromofluorobenzene	12.40	95	345004	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	89466	19.843	ug/l	100
3) Chloromethane	2.04	50	82056	17.857	ug/l	98
4) Vinyl Chloride	2.17	62	82146	16.890	ug/l	100
5) Bromomethane	2.55	94	46221	16.268	ug/l	97
6) Chloroethane	2.69	64	53389	17.227	ug/l	96
7) Trichlorofluoromethane	3.00	101	109395	17.874	ug/l	99
8) Diethyl Ether	3.39	74	50084	19.620	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.74	101	78230	20.262	ug/l	97
10) Methyl Iodide	3.94	142	77073	17.939	ug/l	98
11) Tert butyl alcohol	4.76	59	79394	99.342	ug/l #	89
12) 1,1-Dichloroethene	3.72	96	67330	19.395	ug/l	98
13) Acrolein	3.59	56	11634	17.158	ug/l	96
14) Allyl chloride	4.30	41	122554	18.039	ug/l	98
15) Acrylonitrile	4.96	53	227709	103.661	ug/l	99
16) Acetone	3.80	43	200839	92.782	ug/l	99
17) Carbon Disulfide	4.03	76	90387	16.835	ug/l	99
18) Methyl Acetate	4.30	43	134126	23.239	ug/l	97
19) Methyl tert-butyl Ether	5.01	73	311519	21.563	ug/l	100
20) Methylene Chloride	4.53	84	93463	21.991	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	71579	19.074	ug/l	99
22) Diisopropyl ether	5.93	45	338515	21.248	ug/l	96
23) Vinyl Acetate	5.87	43	1165089	103.188	ug/l	99
24) 1,1-Dichloroethane	5.83	63	180045	20.678	ug/l	100
25) 2-Butanone	6.82	43	304045	97.046	ug/l	99
26) 2,2-Dichloropropane	6.80	77	97526	14.153	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	102247	20.331	ug/l	98
28) Bromochloromethane	7.18	49	98615	22.670	ug/l	100
29) Tetrahydrofuran	7.19	42	197970	102.545	ug/l	98
30) Chloroform	7.36	83	190160	20.887	ug/l	99
31) Cyclohexane	7.64	56	121255	19.051	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	144914	20.070	ug/l	98
36) 1,1-Dichloropropene	7.78	75	113753	18.281	ug/l	99
37) Ethyl Acetate	6.91	43	131692	20.484	ug/l	99
38) Carbon Tetrachloride	7.76	117	114599	20.172	ug/l	98

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Quant Time: Sep 14 06:56:20 2019
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 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	115081	17.593	ug/l	97
40) Benzene	8.03	78	379521	20.259	ug/l	100
41) Methacrylonitrile	7.15	41	59835	20.503	ug/l	95
42) 1,2-Dichloroethane	8.11	62	157085	20.966	ug/l	99
43) Isopropyl Acetate	8.15	43	239485	22.151	ug/l #	88
44) Trichloroethene	8.83	130	93498	20.349	ug/l	95
45) 1,2-Dichloropropane	9.11	63	113639	20.847	ug/l	98
46) Dibromomethane	9.20	93	68212	20.708	ug/l	98
47) Bromodichloromethane	9.40	83	137116	20.845	ug/l	100
48) Methyl methacrylate	9.19	41	106340	19.390	ug/l	99
49) 1,4-Dioxane	9.19	88	35270	380.297	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	676319	105.710	ug/l	99
52) Toluene	10.15	92	235222	19.936	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	127721	18.438	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	143667	18.786	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	104355	20.879	ug/l	98
56) Ethyl methacrylate	10.43	69	148158	19.685	ug/l	99
57) 1,3-Dichloropropane	10.71	76	178443	20.717	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	319470	90.121	ug/l	99
59) 2-Hexanone	10.75	43	466646	97.310	ug/l	100
60) Dibromochloromethane	10.90	129	90650	19.532	ug/l	99
61) 1,2-Dibromoethane	11.00	107	93730	19.837	ug/l	99
64) Tetrachloroethene	10.63	164	74847	20.430	ug/l	98
65) Chlorobenzene	11.43	112	264763	20.389	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	94164	20.898	ug/l	98
67) Ethyl Benzene	11.51	91	469018	20.609	ug/l	99
68) m/p-Xylenes	11.62	106	336680	40.387	ug/l	98
69) o-Xylene	11.95	106	171241	20.663	ug/l	99
70) Styrene	11.97	104	293676	20.591	ug/l	99
71) Bromoform	12.13	173	52916	18.836	ug/l #	95
73) Isopropylbenzene	12.25	105	471048	21.319	ug/l	100
74) N-amyl acetate	12.07	43	191006	19.864	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	151802	20.406	ug/l	97
76) 1,2,3-Trichloropropane	12.56	75	133430m	20.715	ug/l	
77) Bromobenzene	12.53	156	111644	20.267	ug/l	98
78) n-propylbenzene	12.60	91	548583	21.622	ug/l	99
79) 2-Chlorotoluene	12.68	91	330844	20.632	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	403328	21.605	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.31	75	27484	15.015	ug/l	89
82) 4-Chlorotoluene	12.78	91	343139	20.838	ug/l	100
83) tert-Butylbenzene	13.00	119	344854	20.781	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	404856	21.337	ug/l	98
85) sec-Butylbenzene	13.18	105	472839	21.498	ug/l	99
86) p-Isopropyltoluene	13.29	119	416731	21.503	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	209209	20.691	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	204389	19.914	ug/l	98
89) n-Butylbenzene	13.62	91	373799	20.424	ug/l	100
90) Hexachloroethane	13.88	117	57243	19.861	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	208947	20.685	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	24969	20.324	ug/l	96

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ClientSampleId :
VN0914WBSD04

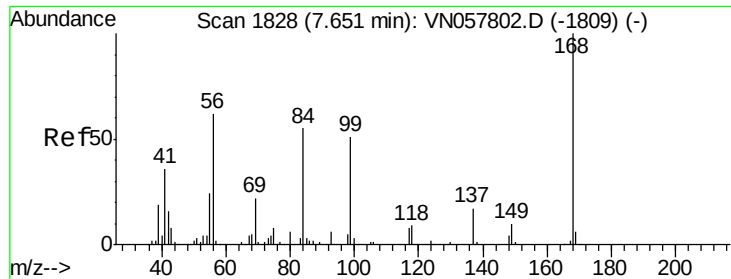
Manual Integrations
APPROVED

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9/16/2019 2:11:06 PM

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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)
93) 1,2,4-Trichlorobenzene	14.92	180	126695	19.189	ug/l	99
94) Hexachlorobutadiene	15.01	225	57700	20.616	ug/l	98
95) Naphthalene	15.13	128	356848	20.481	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	120944	21.562	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058053.D

Acq: 14 Sep 2019 6:00

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD04

Tot Ion:168 Resp: 326015

Ion Ratio Lower Upper

168 100

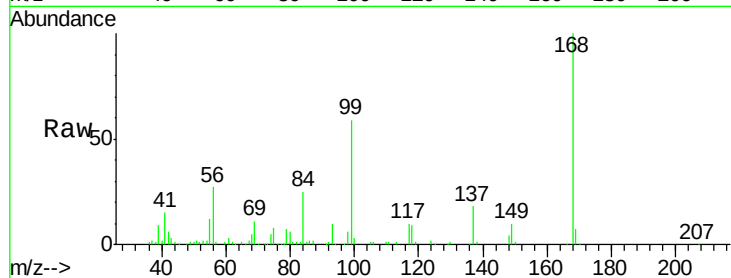
99 58.6 48.0 72.0

Manual Integrations

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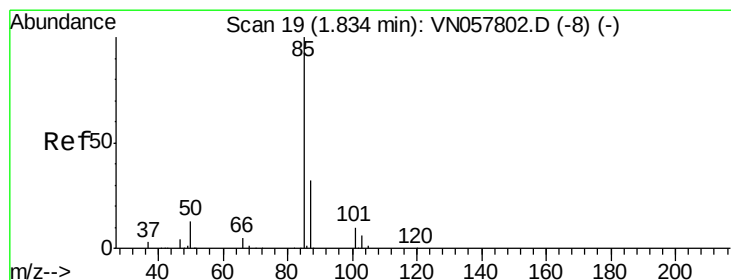
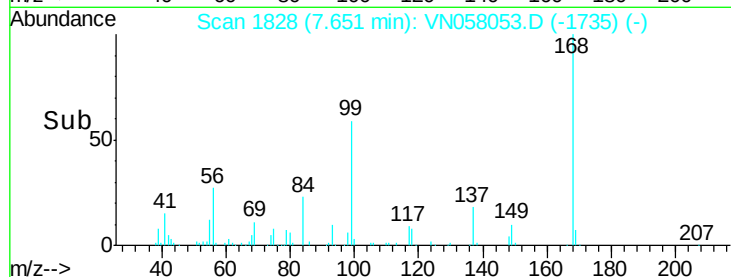
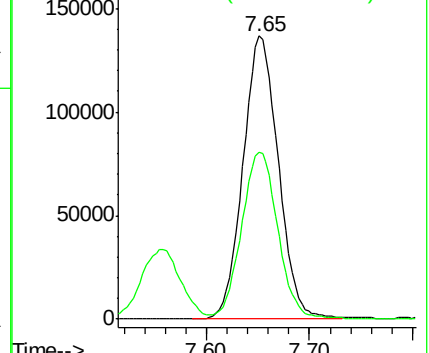
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.843 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058053.D

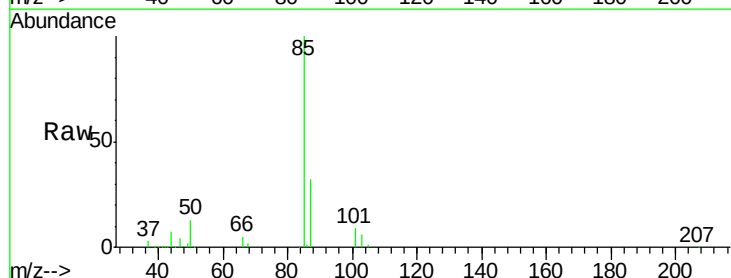
Acq: 14 Sep 2019 6:00

Tgt Ion: 85 Resp: 89466

Ion Ratio Lower Upper

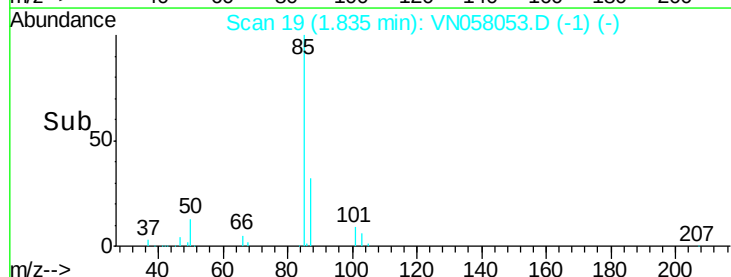
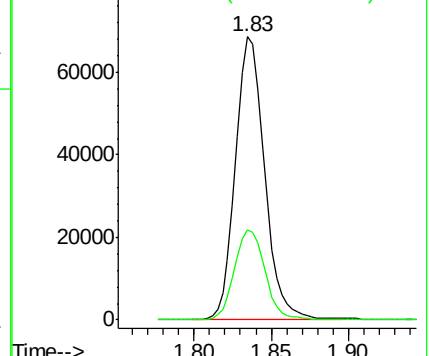
85 100

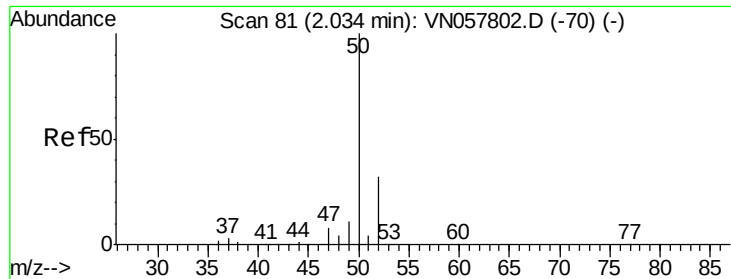
87 31.6 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 17.857 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058053.D

Acq: 14 Sep 2019 6:00

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD04

Tot Ion: 50 Resp: 82056

Ion Ratio Lower Upper

50 100

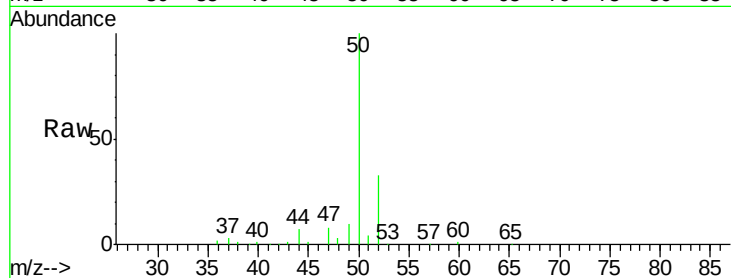
52 33.0 25.5 38.3

Manual Integrations

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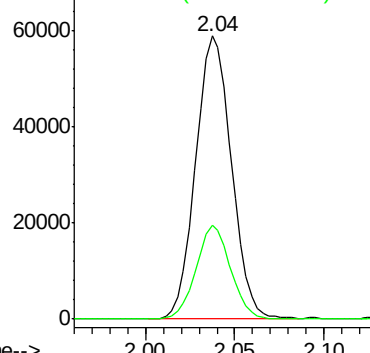
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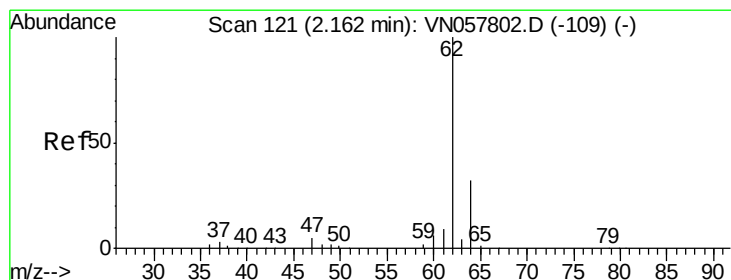
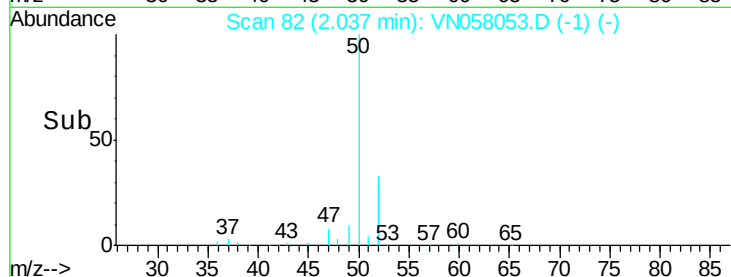


Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



Time-->



#4

Vinyl Chloride

Concen: 16.890 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN058053.D

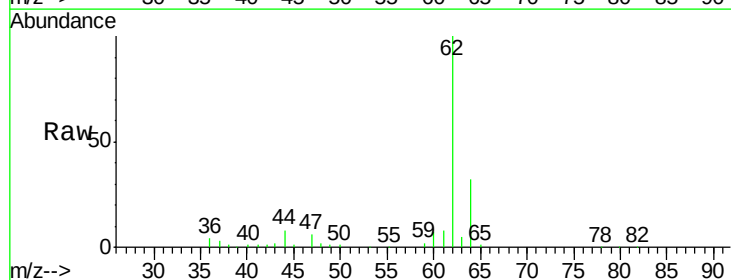
Acq: 14 Sep 2019 6:00

Tgt Ion: 62 Resp: 82146

Ion Ratio Lower Upper

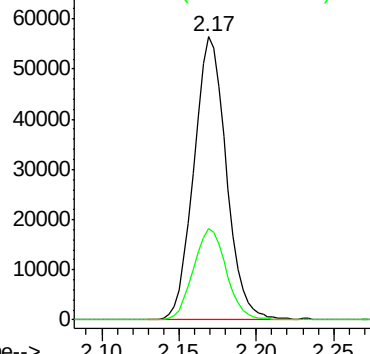
62 100

64 32.2 25.6 38.4

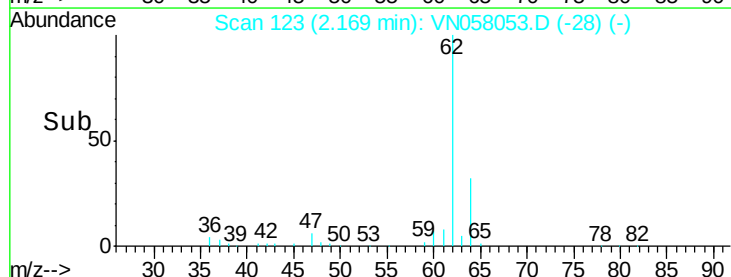


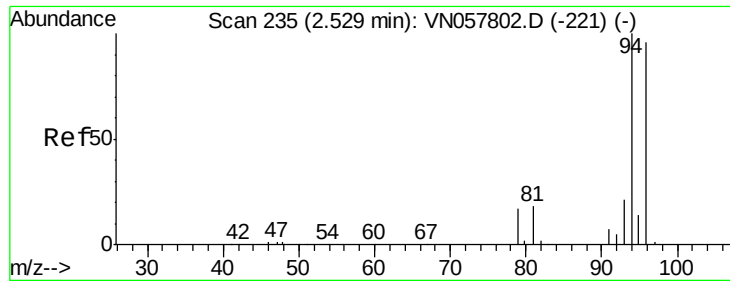
Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



Time-->





#5

Bromomethane

Concen: 16.268 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.02 min

Lab File: VN058053.D

Acq: 14 Sep 2019 6:00

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD04

Tot Ion: 94 Resp: 46221

Ion Ratio Lower Upper

94 100

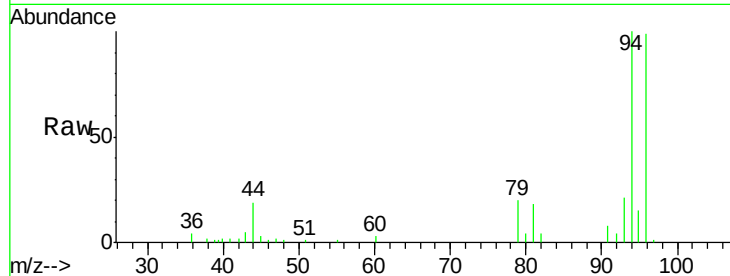
96 99.0 77.0 115.4

Manual Integrations

APPROVED

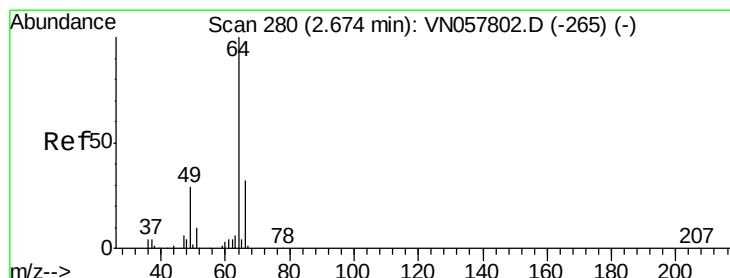
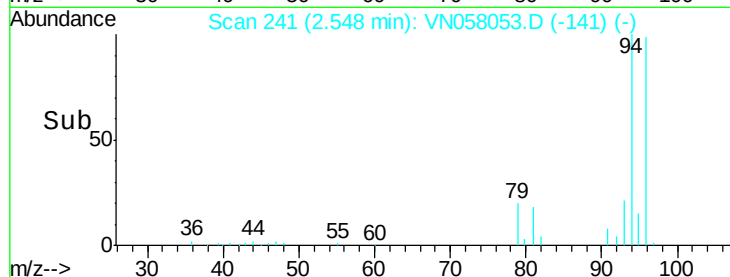
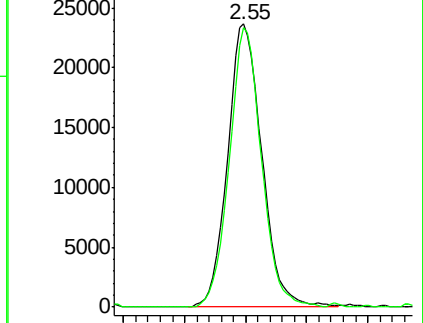
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.227 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058053.D

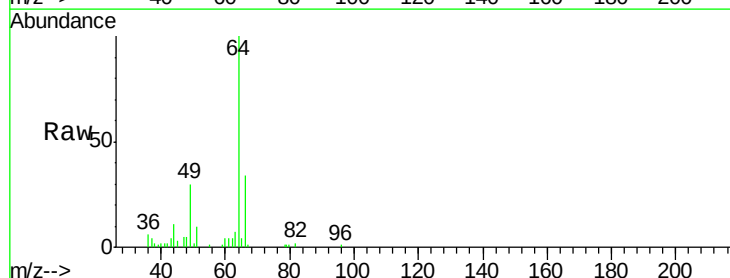
Acq: 14 Sep 2019 6:00

Tgt Ion: 64 Resp: 53389

Ion Ratio Lower Upper

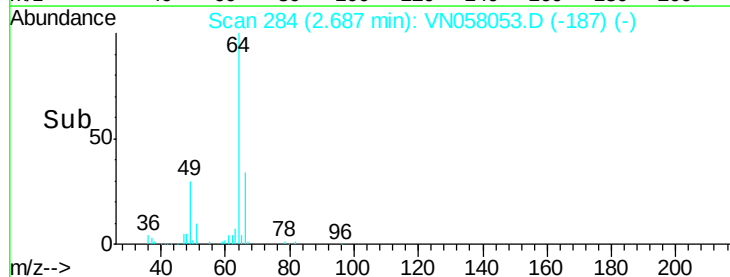
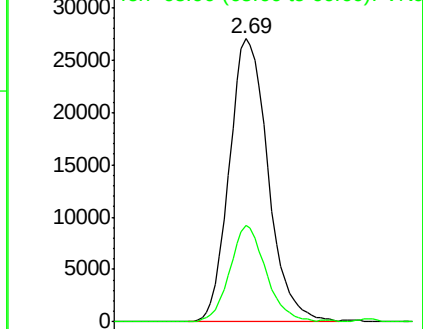
64 100

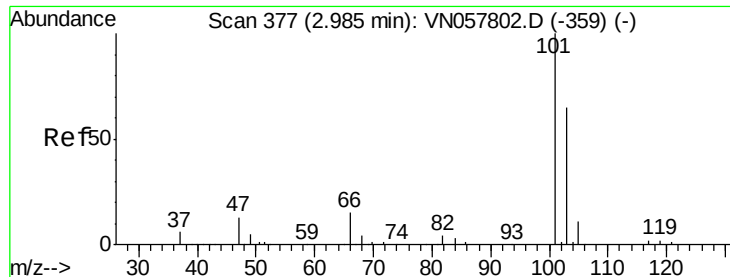
66 34.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

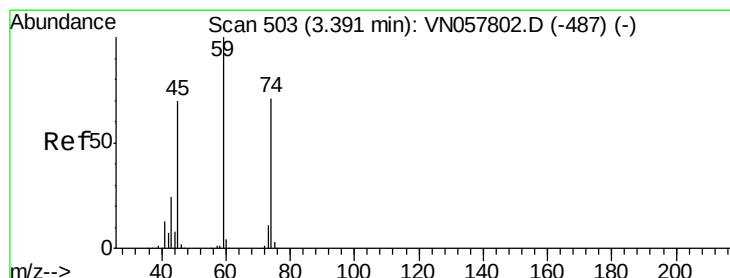
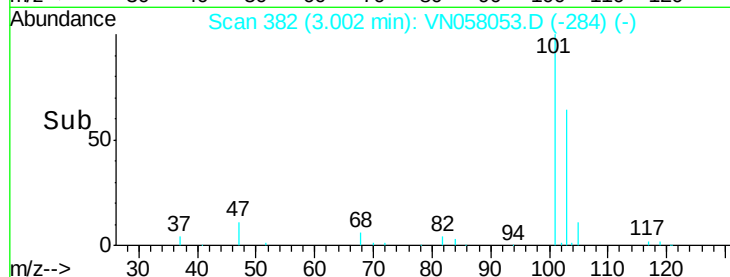
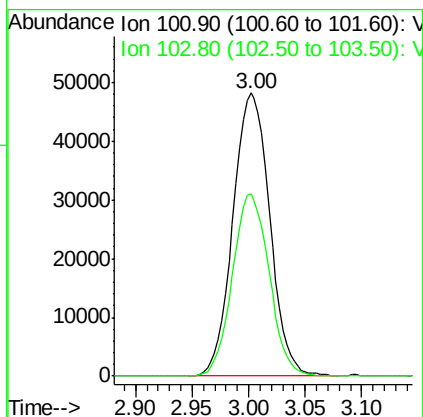
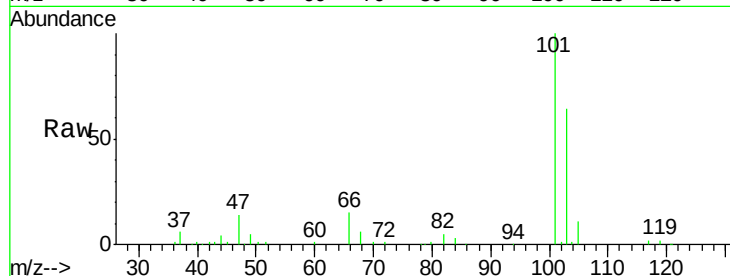
Trichlorofluoromethane
Concen: 17.874 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.02 min
Lab File: VN058053.D
Acq: 14 Sep 2019 6:00

Instrument :
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ClientSampleId :
VN0914WBSD04

Tot Ion	Ratio	Resp	Lower	Upper
101	100	109395		
103	64.4	51.9	77.9	

Manual Integrations
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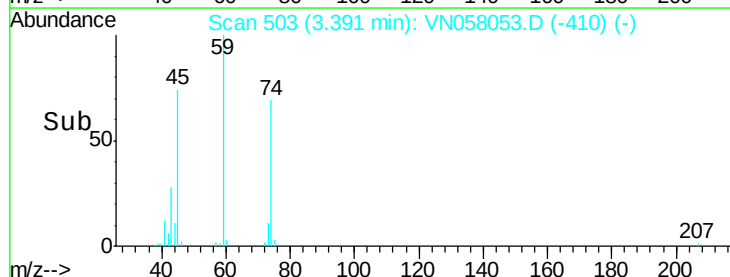
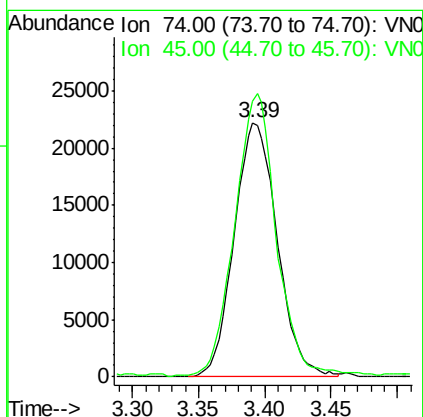
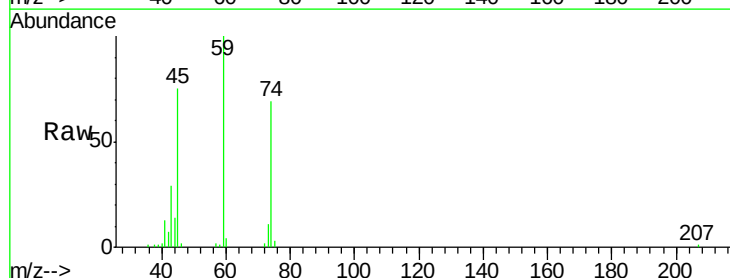
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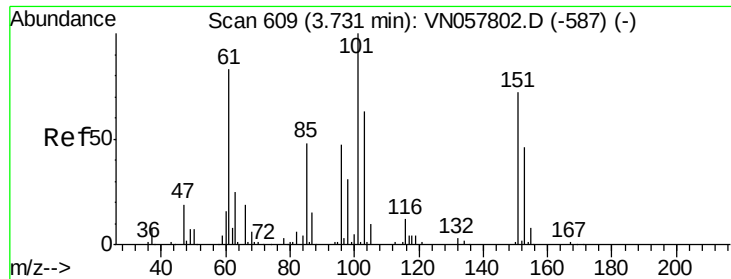


#8

Diethyl Ether
Concen: 19.620 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058053.D
Acq: 14 Sep 2019 6:00

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	50084		
45	109.0	50.3	151.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.262 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.01 min

Lab File: VN058053.D

Acq: 14 Sep 2019 6:00

Instrument :

MSVOA_N

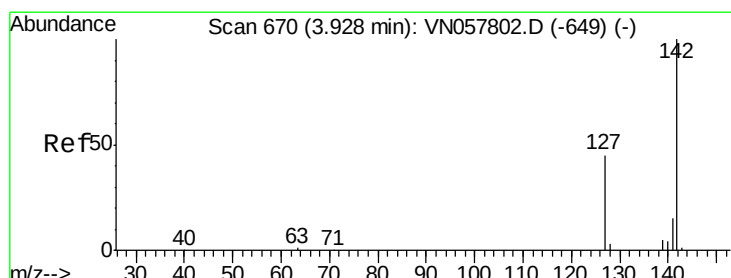
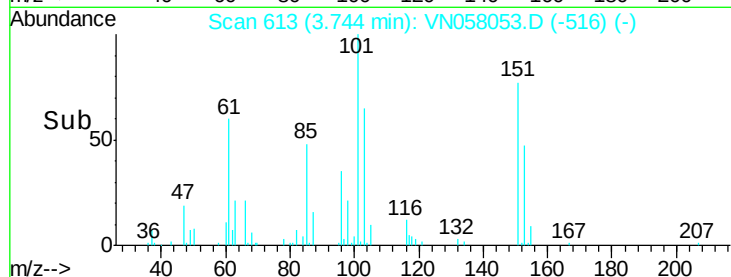
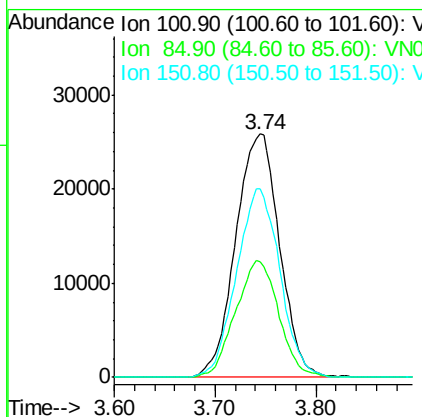
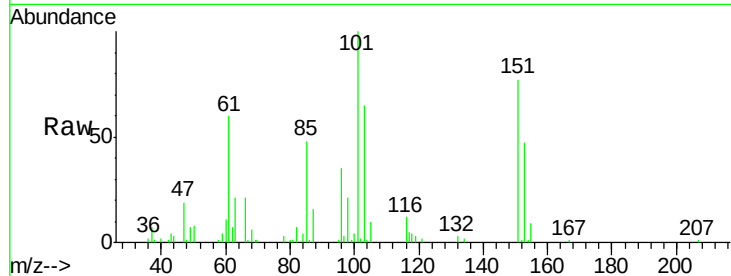
ClientSampleId :

VN0914WBSD04

Tot Ion:	101	Resp:	78230
Ion Ratio	Lower	Upper	
101	100		
85	47.1	38.1	57.1
151	76.4	58.4	87.6

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#10

Methyl Iodide

Concen: 17.939 ug/l

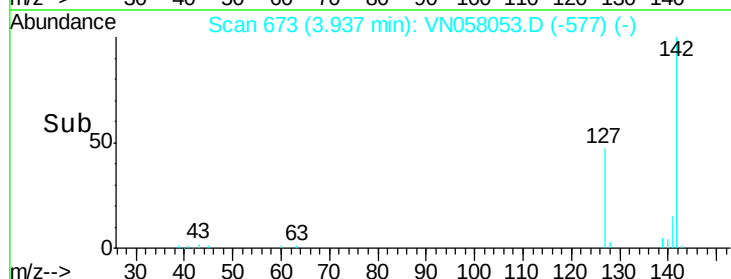
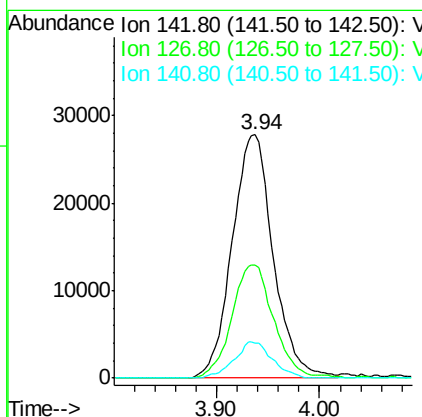
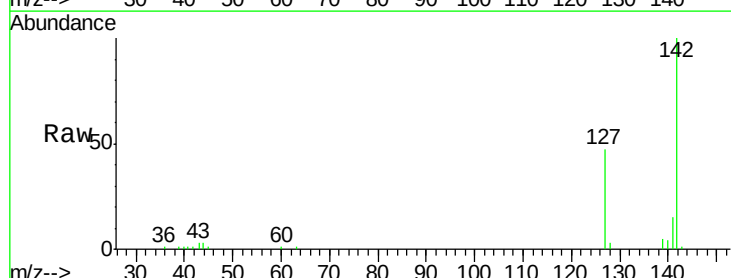
RT: 3.94 min Scan# 673

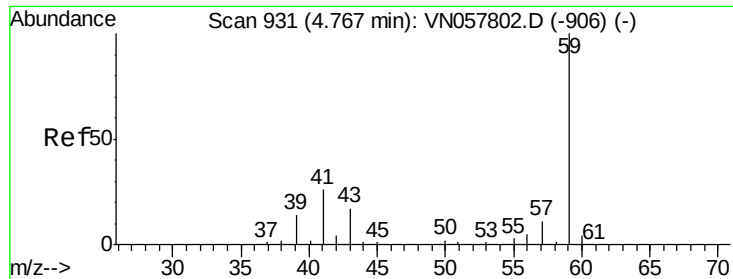
Delta R.T. 0.01 min

Lab File: VN058053.D

Acq: 14 Sep 2019 6:00

Tgt Ion:	142	Resp:	77073
Ion Ratio	Lower	Upper	
142	100		
127	47.1	36.7	55.1
141	13.9	11.4	17.0





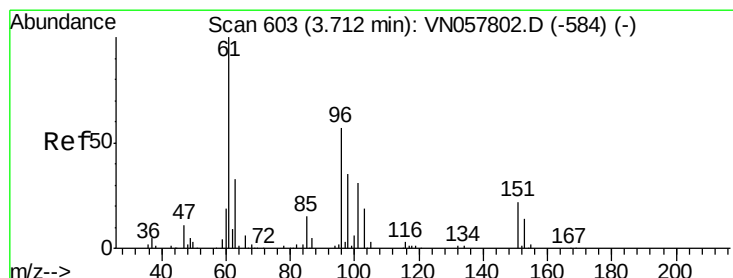
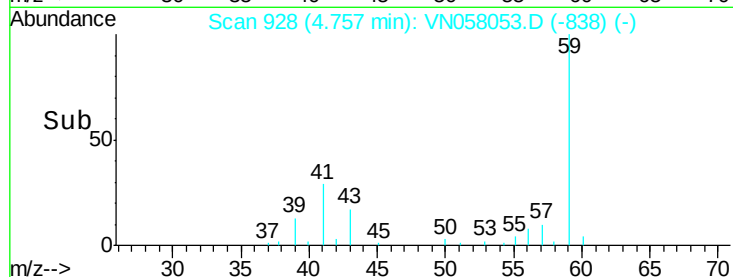
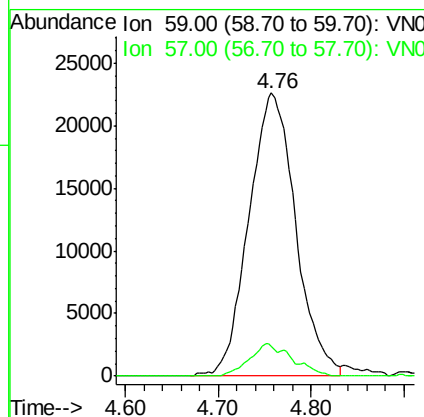
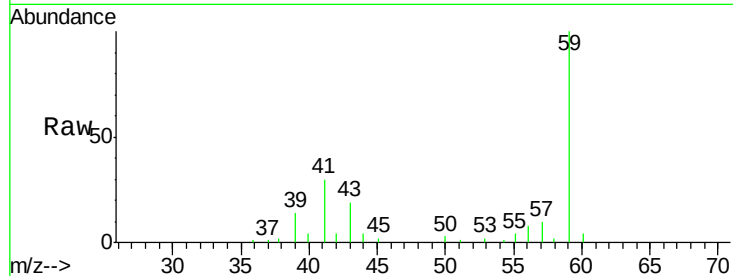
#11
Tert butyl alcohol
Concen: 99.342 ug/l
RT: 4.76 min Scan# 928
Delta R.T. -0.01 min
Lab File: VN058053.D
Acq: 14 Sep 2019 6:00

Instrument :
MSVOA_N
ClientSampled :
VN0914WBSD04

Tot Ion: 59 Resp: 79394
Ion Ratio Lower Upper
59 100
57 6.5 8.4 12.6#

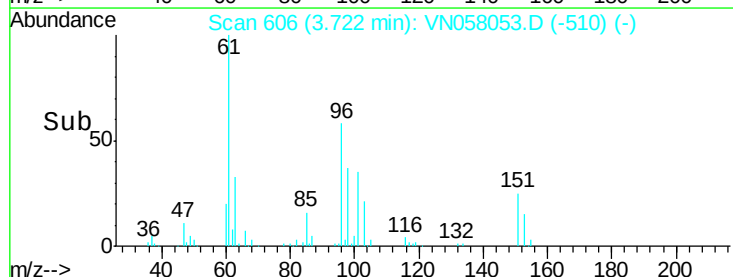
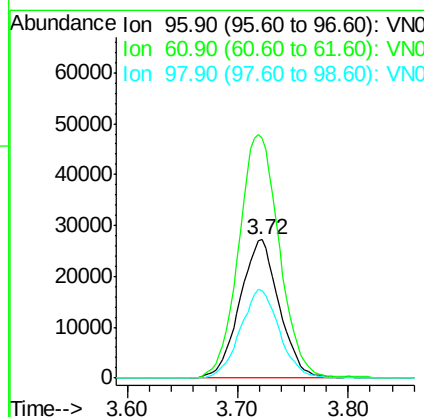
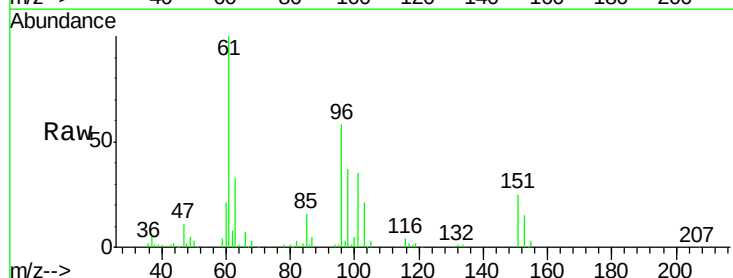
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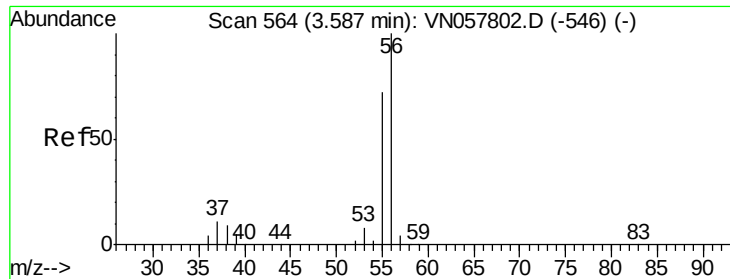
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.395 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.01 min
Lab File: VN058053.D
Acq: 14 Sep 2019 6:00

Tgt Ion: 96 Resp: 67330
Ion Ratio Lower Upper
96 100
61 172.9 141.2 211.8
98 63.2 49.9 74.9





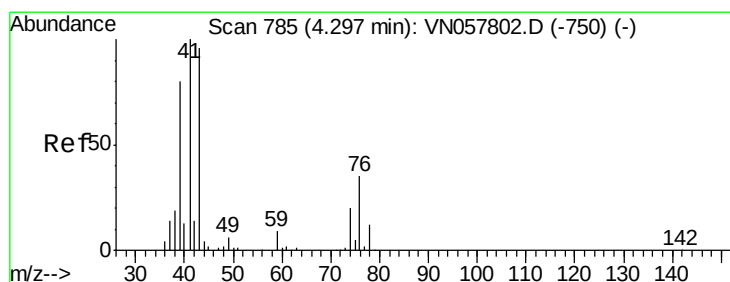
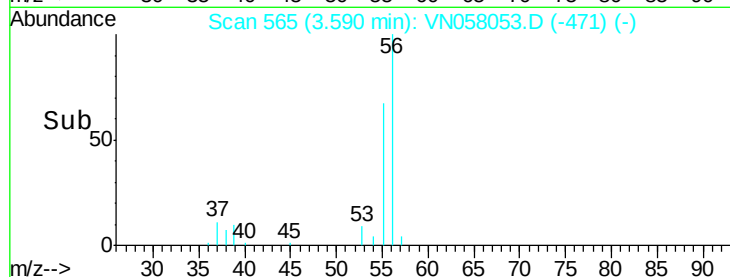
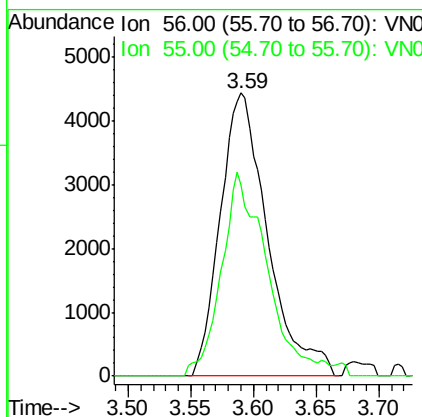
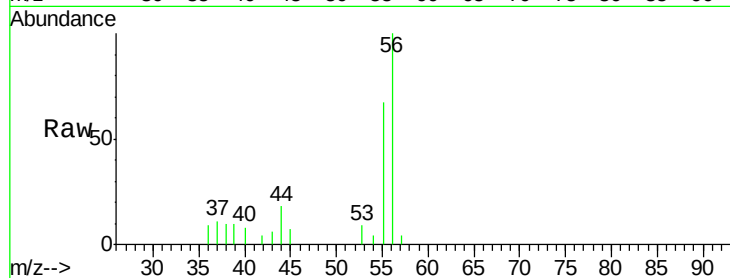
#13
Acrolein
Concen: 17.158 ug/l
RT: 3.59 min Scan# 565
Delta R.T. 0.00 min
Lab File: VN058053.D
Acq: 14 Sep 2019 6:00

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD04

Tot Ion	Ratio	Lower	Upper
56	100		
55	68.3	57.3	85.9

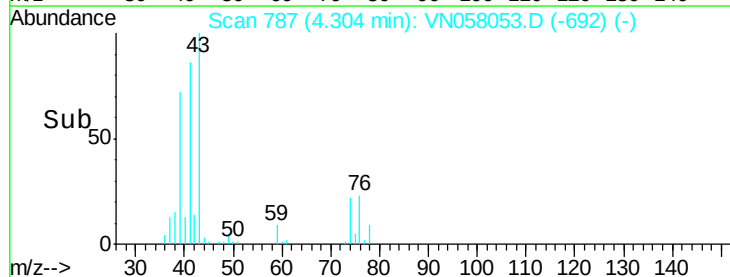
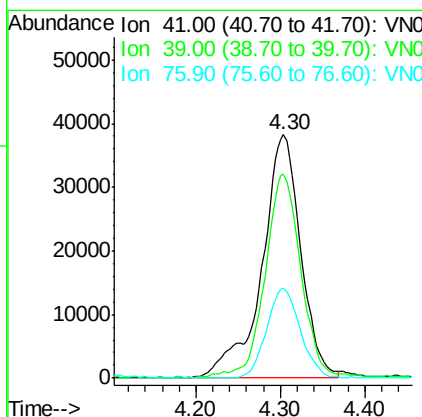
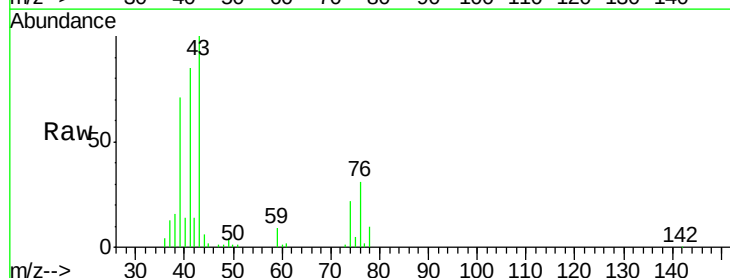
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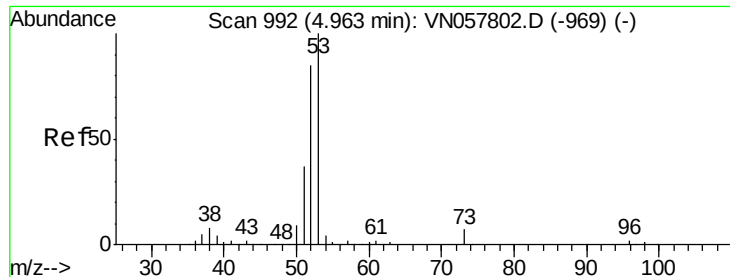
MMDadoda
9/16/2019 2:11:06 PM



#14
Allyl chloride
Concen: 18.039 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.01 min
Lab File: VN058053.D
Acq: 14 Sep 2019 6:00

Tgt Ion	Ratio	Lower	Upper
41	100		
39	75.8	59.4	89.2
76	31.9	26.0	39.0





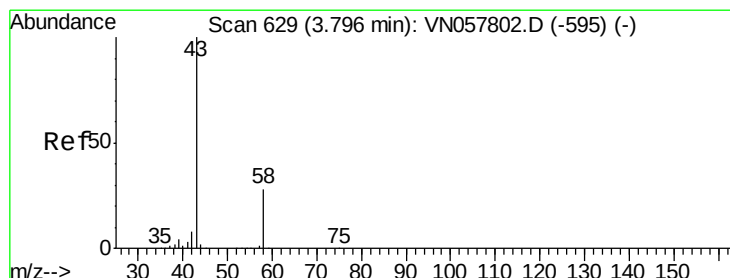
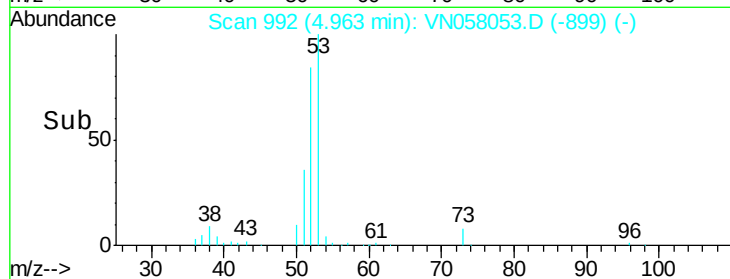
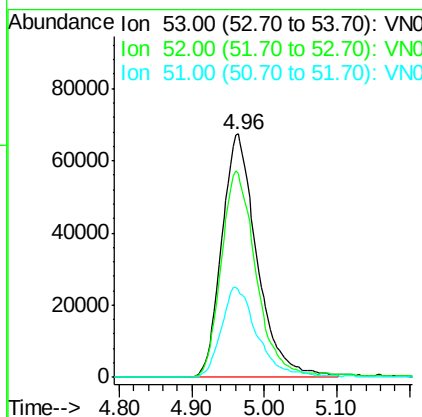
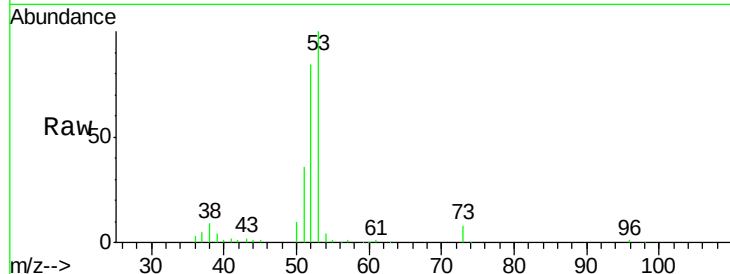
#15
 Acrylonitrile
 Concen: 103.661 ug/l
 RT: 4.96 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VN058053.D
 Acq: 14 Sep 2019 6:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD04

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.6	100.0
51	36.6	29.8	44.8

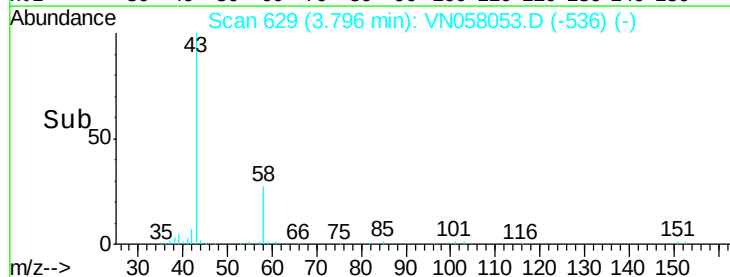
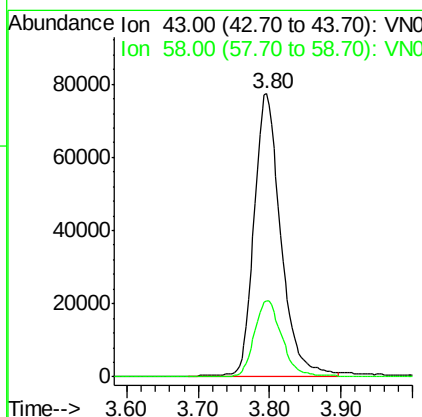
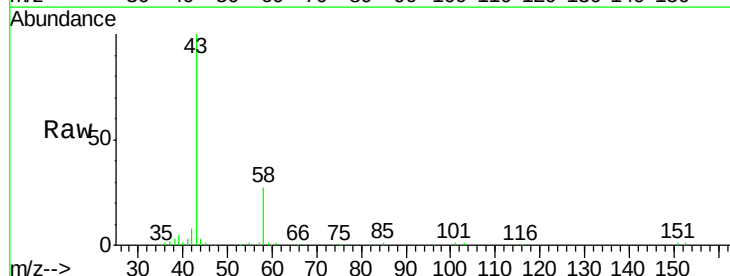
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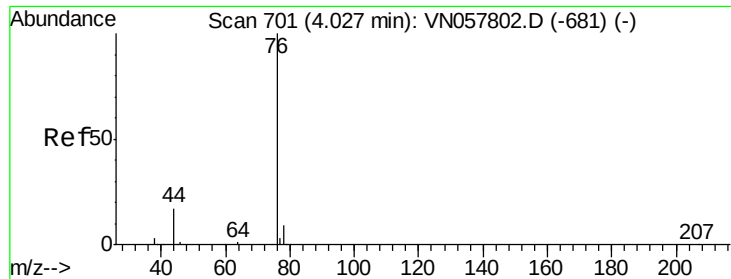
MMDadoda
 9/16/2019 2:11:06 PM



#16
 Acetone
 Concen: 92.782 ug/l
 RT: 3.80 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: VN058053.D
 Acq: 14 Sep 2019 6:00

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.0	22.2	33.2





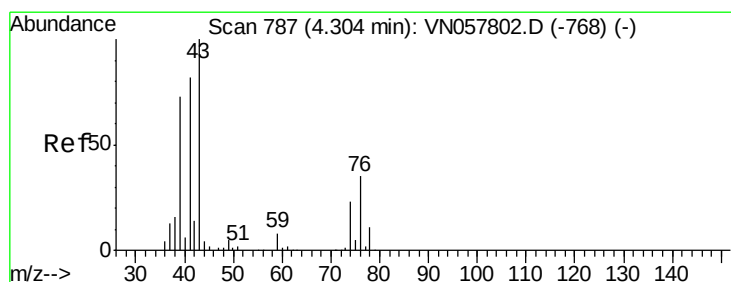
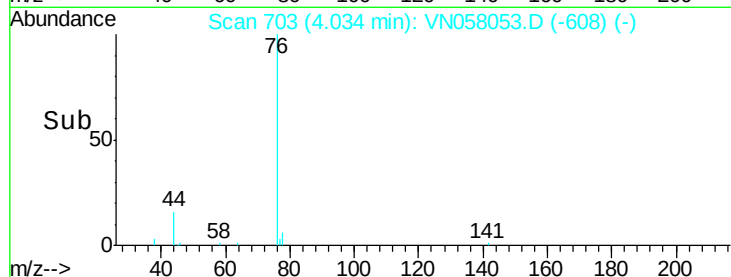
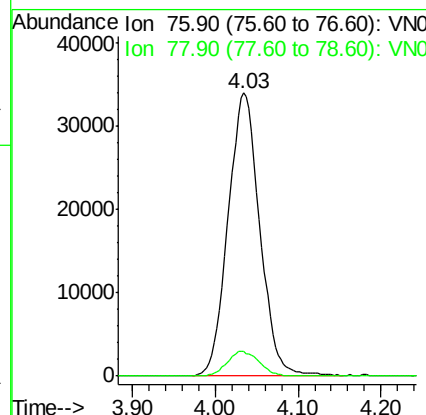
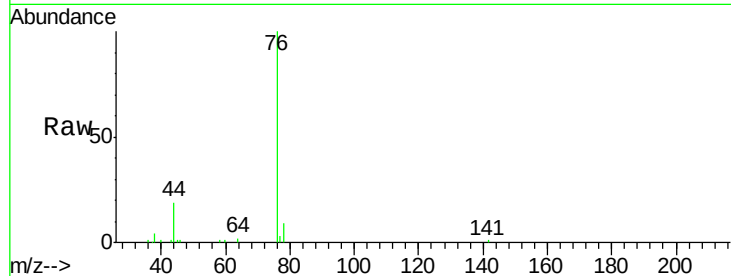
#17
Carbon Disulfide
Concen: 16.835 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.01 min
Lab File: VN058053.D
Acq: 14 Sep 2019 6:00

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD04

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.1	10.7

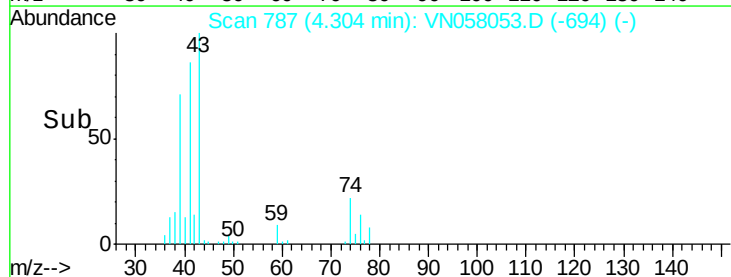
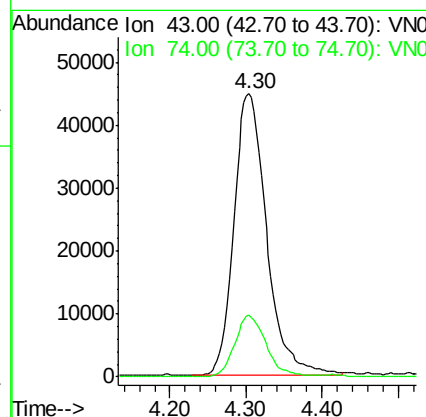
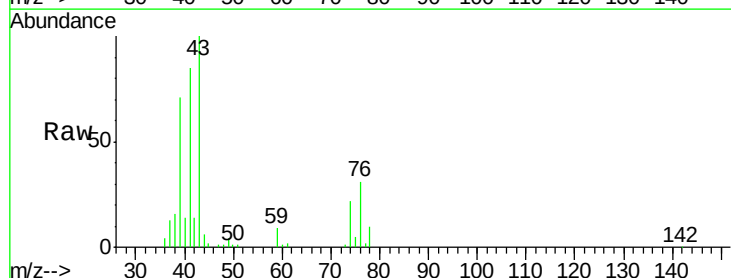
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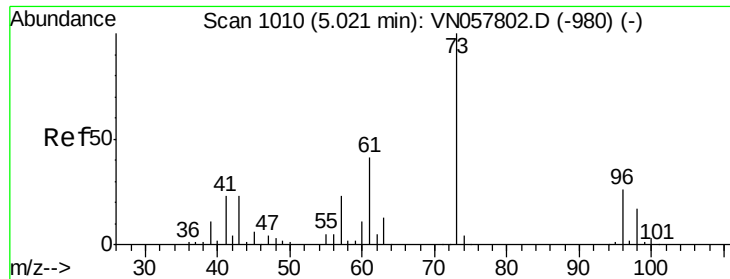
MMDadoda
9/16/2019 2:11:06 PM



#18
Methyl Acetate
Concen: 23.239 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058053.D
Acq: 14 Sep 2019 6:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.9	17.9	26.9





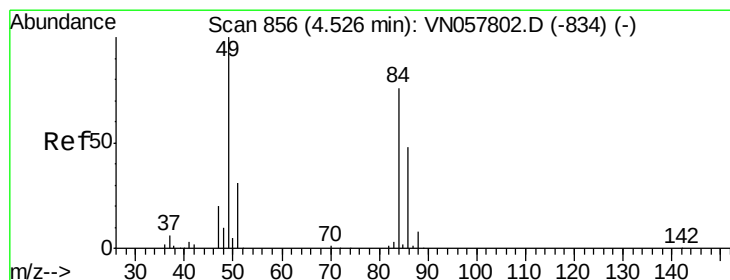
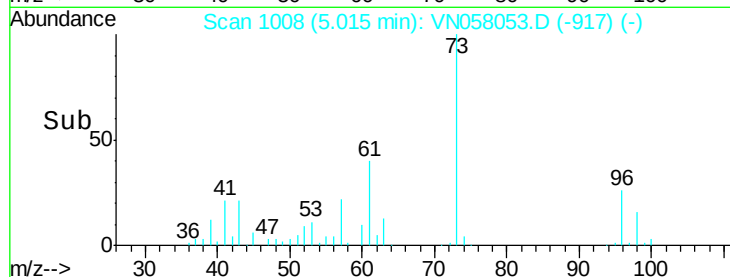
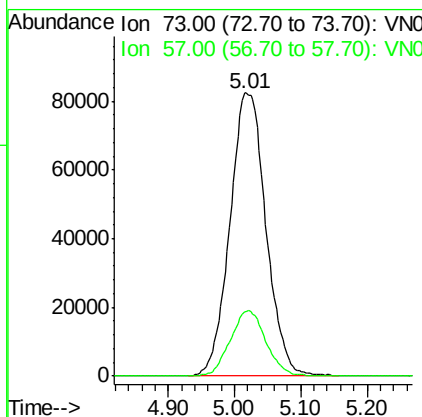
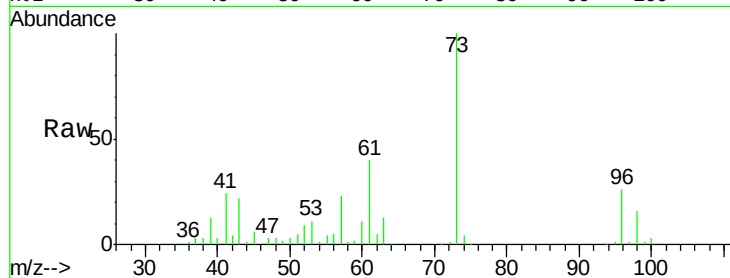
#19
Methvl tert-butyl Ether
Concen: 21.563 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.01 min
Lab File: VN058053.D
Acq: 14 Sep 2019 6:00

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD04

Tot Ion: 73 Resp: 311519
Ion Ratio Lower Upper
73 100
57 22.6 18.2 27.2

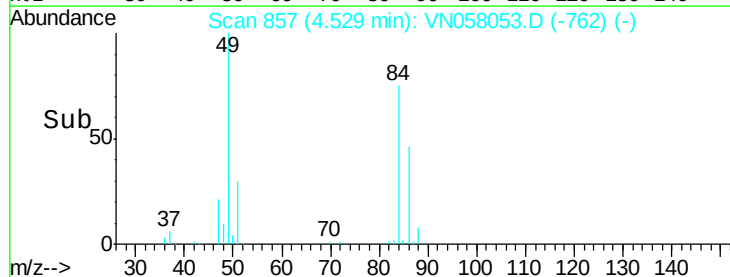
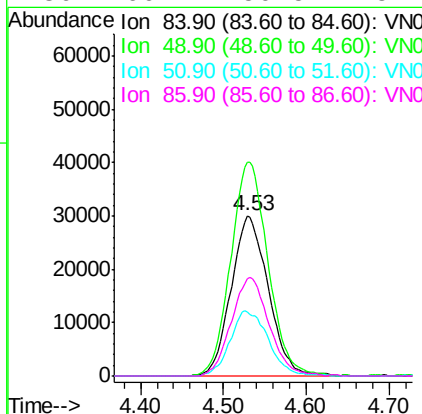
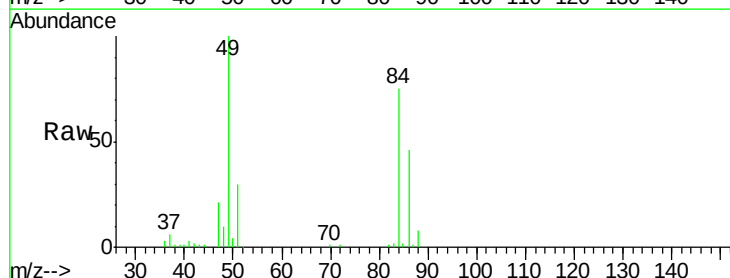
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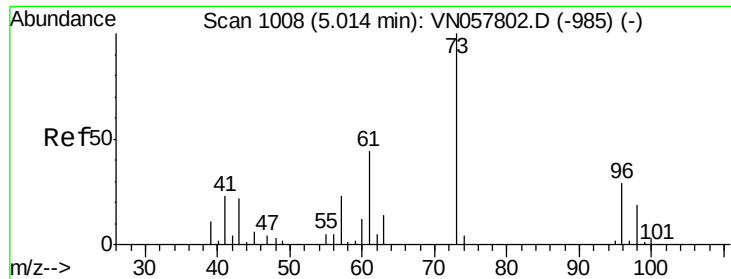
MMDadoda
9/16/2019 2:11:06 PM



#20
Methylene Chloride
Concen: 21.991 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058053.D
Acq: 14 Sep 2019 6:00

Tgt Ion: 84 Resp: 93463
Ion Ratio Lower Upper
84 100
49 133.4 104.8 157.2
51 40.1 33.0 49.4
86 60.7 50.5 75.7





#21

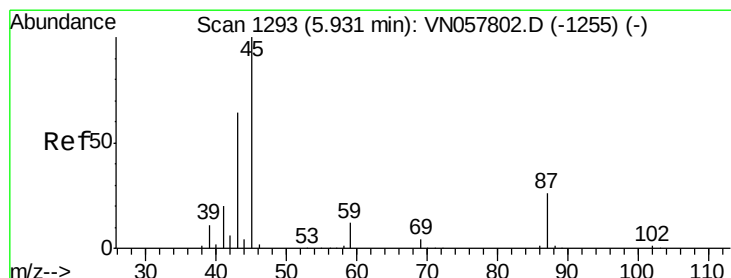
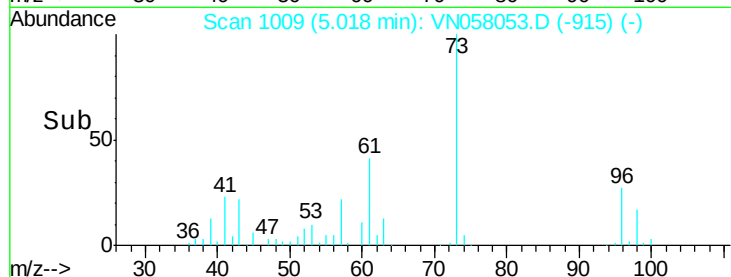
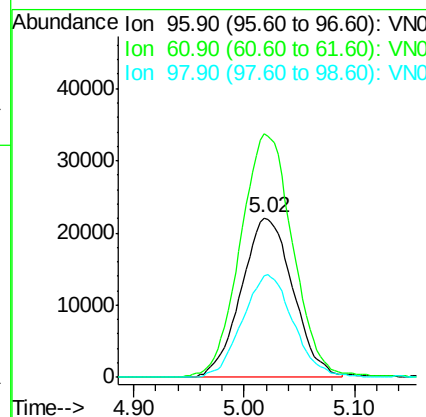
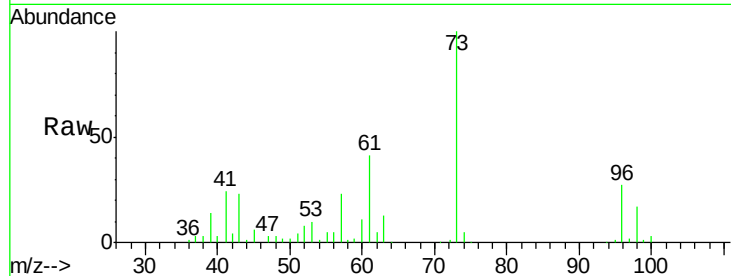
trans-1,2-Dichloroethene
Concen: 19.074 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058053.D
Acq: 14 Sep 2019 6:00

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD04

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.1	121.9	182.9
98	63.6	52.2	78.4

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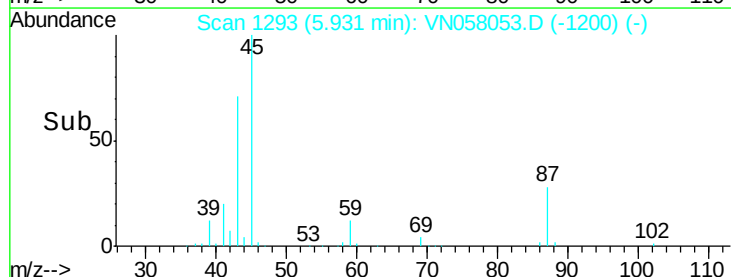
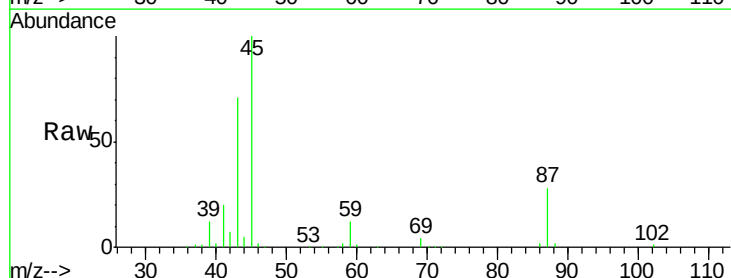
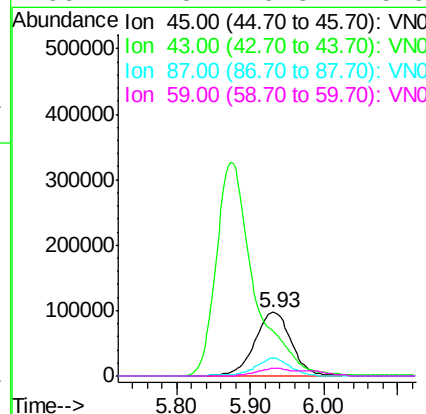
MMDadoda
9/16/2019 2:11:06 PM

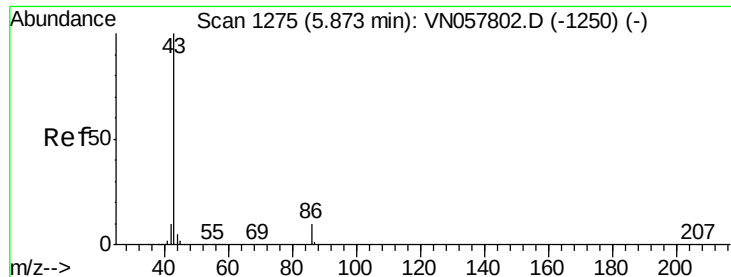


#22

Diisopropyl ether
Concen: 21.248 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN058053.D
Acq: 14 Sep 2019 6:00

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.8	51.4	77.2
87	27.9	21.3	31.9
59	11.3	9.3	13.9





#23

Vinyl Acetate

Concen: 103.188 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058053.D

Acq: 14 Sep 2019 6:00

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD04

Tot Ion: 43 Resp: 1165089

Ion Ratio Lower Upper

43 100

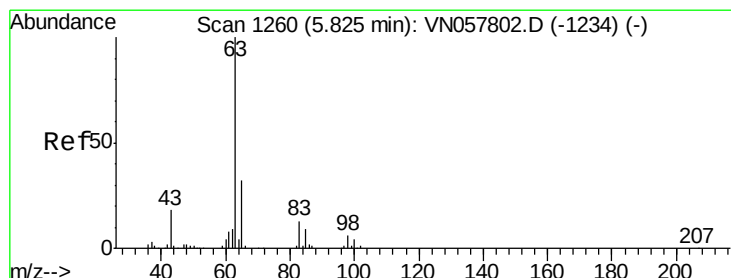
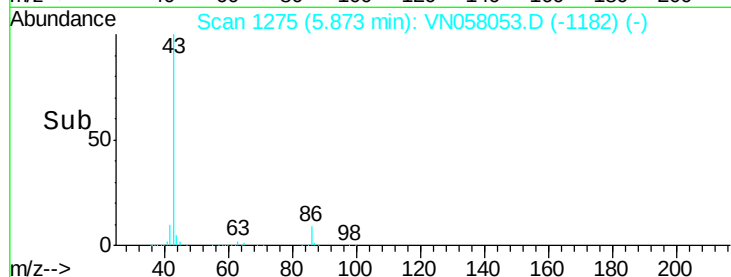
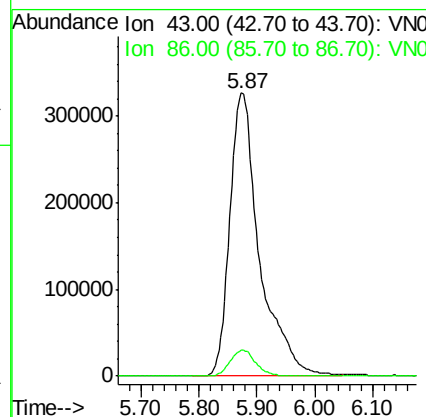
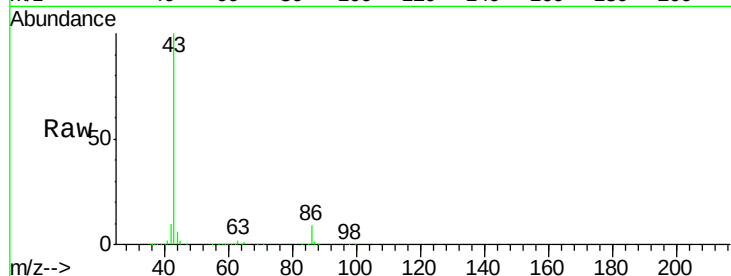
86 9.1 7.7 11.5

Manual Integrations

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MMDadoda

9/16/2019 2:11:06 PM



#24

1,1-Dichloroethane

Concen: 20.678 ug/l

RT: 5.83 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VN058053.D

Acq: 14 Sep 2019 6:00

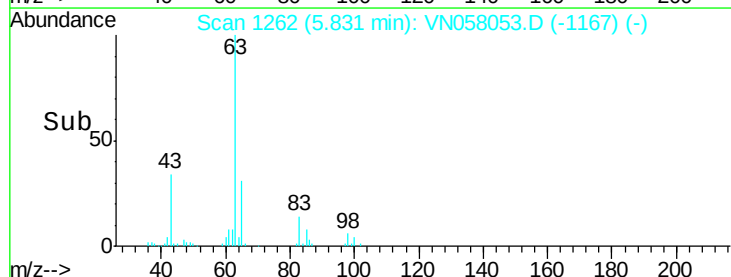
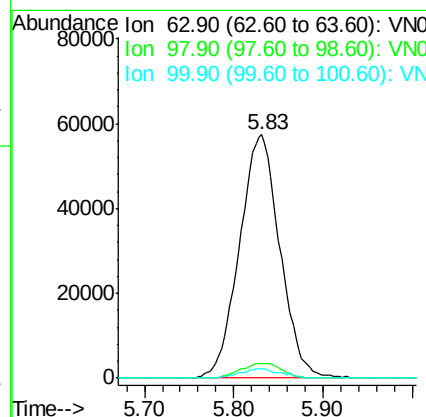
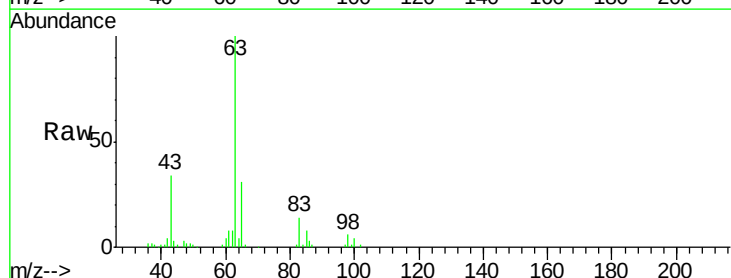
Tgt Ion: 63 Resp: 180045

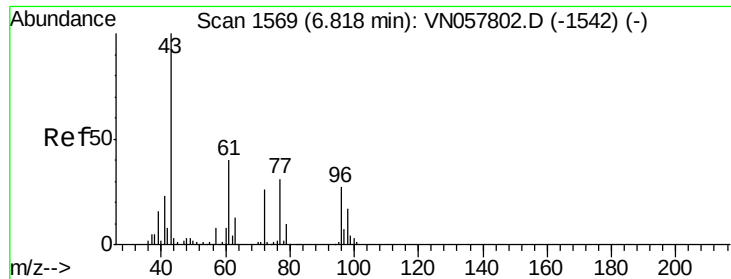
Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

100 4.0 2.0 5.8





#25

2-Butanone

Concen: 97.046 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN058053.D

Acq: 14 Sep 2019 6:00

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD04

Tot Ion: 43 Resp: 304045

Ion Ratio Lower Upper

43 100

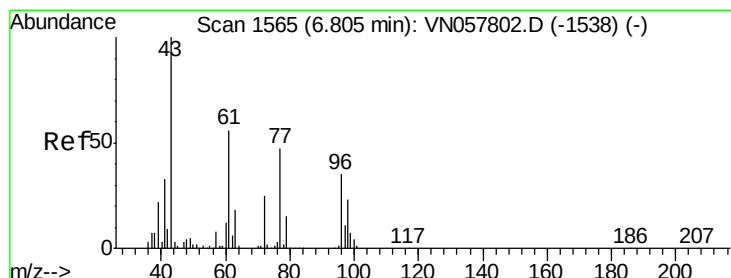
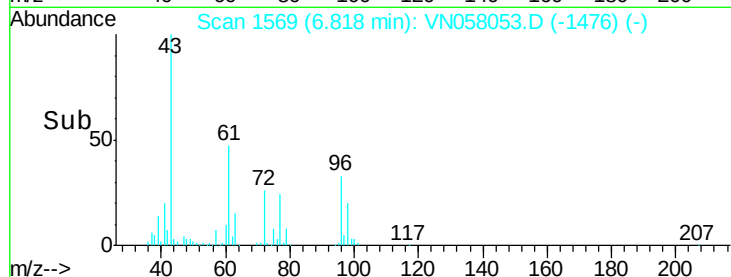
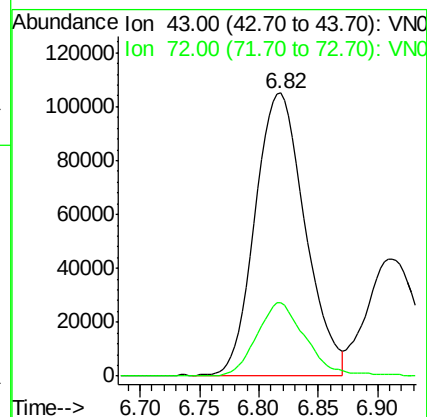
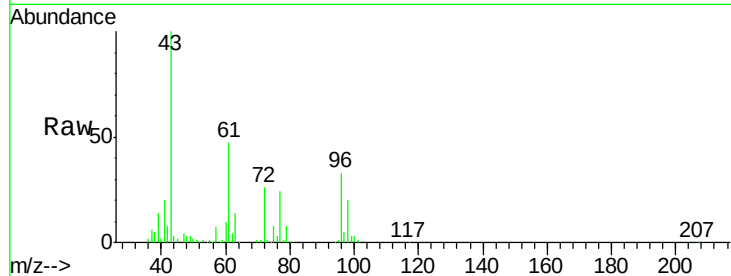
72 26.0 20.6 30.8

Manual Integrations

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MMDadoda

9/16/2019 2:11:06 PM



#26

2,2-Dichloropropane

Concen: 14.153 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058053.D

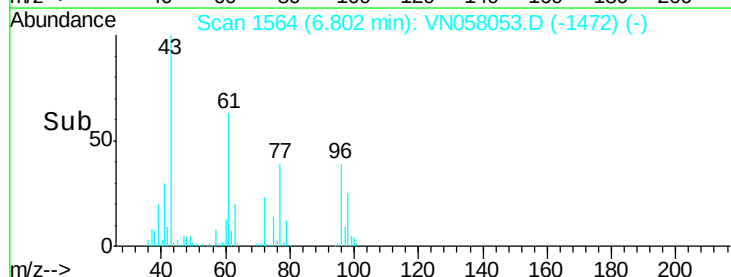
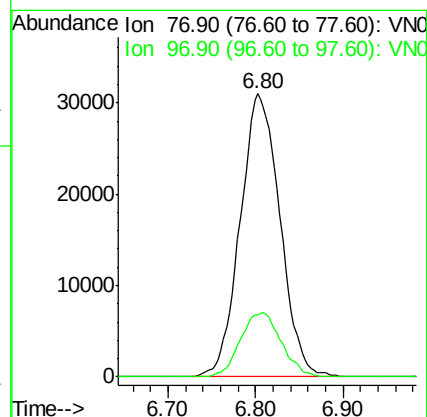
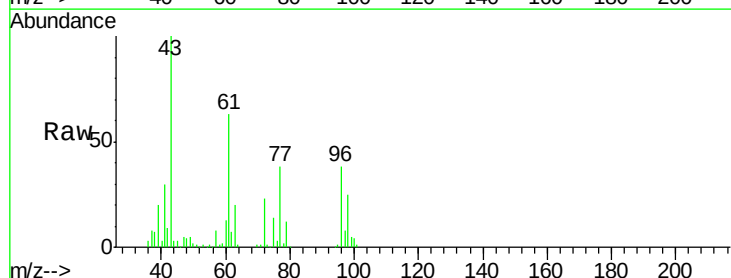
Acq: 14 Sep 2019 6:00

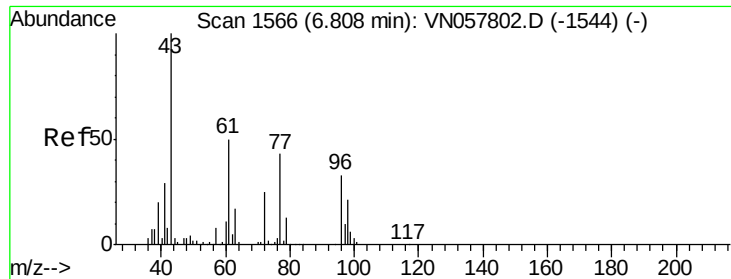
Tgt Ion: 77 Resp: 97526

Ion Ratio Lower Upper

77 100

97 23.3 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 20.331 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VN058053.D

Acq: 14 Sep 2019 6:00

Instrument :

MSVOA_N

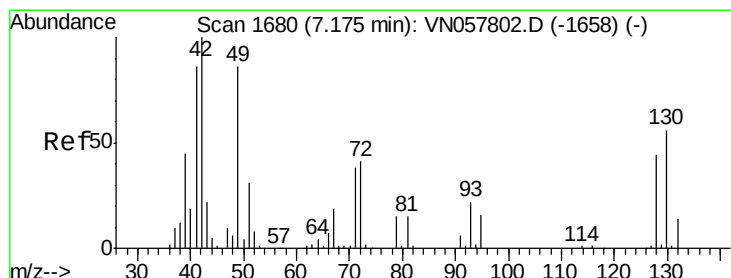
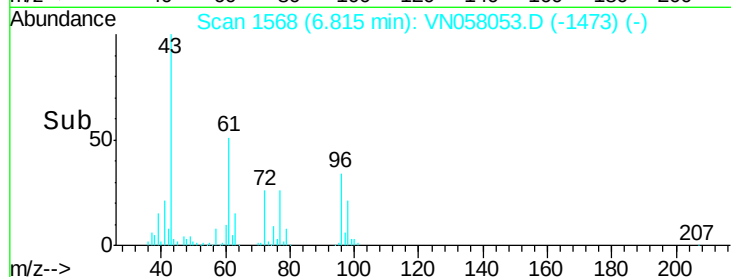
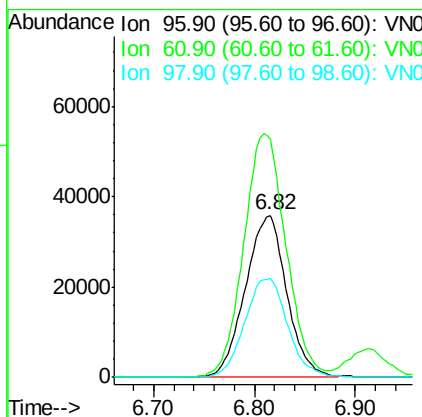
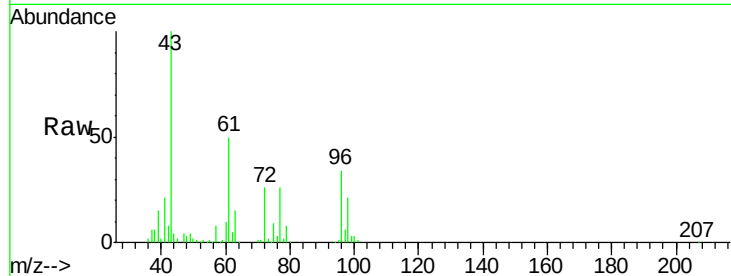
ClientSampleId :

VN0914WBSD04

Tot Ion:	96	Resp:	102247
Ion Ratio	Lower	Upper	
96	100		
61	153.5	0.0	314.0
98	63.4	0.0	128.6

Manual Integrations
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#28

Bromochloromethane

Concen: 22.670 ug/l

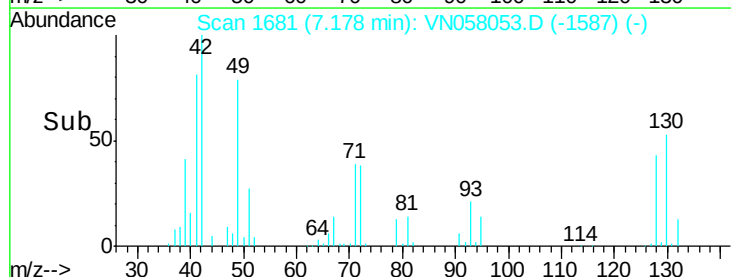
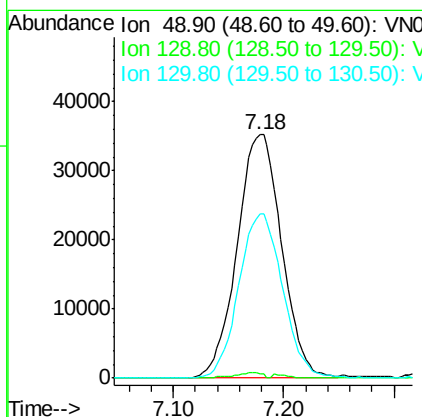
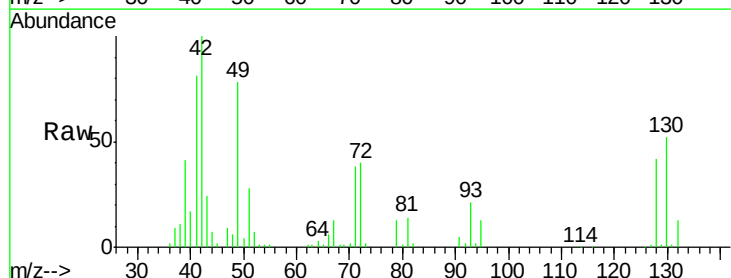
RT: 7.18 min Scan# 1681

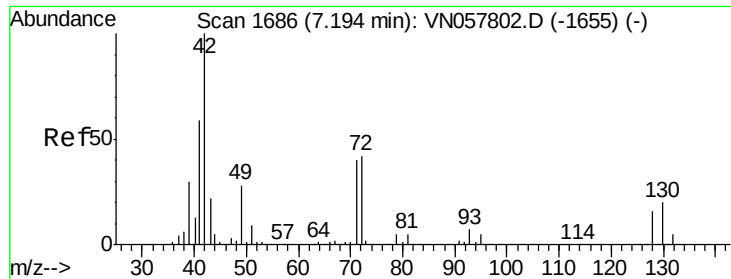
Delta R.T. 0.00 min

Lab File: VN058053.D

Acq: 14 Sep 2019 6:00

Tgt Ion:	49	Resp:	98615
Ion Ratio	Lower	Upper	
49	100		
129	1.4	0.0	3.8
130	66.4	53.0	79.6





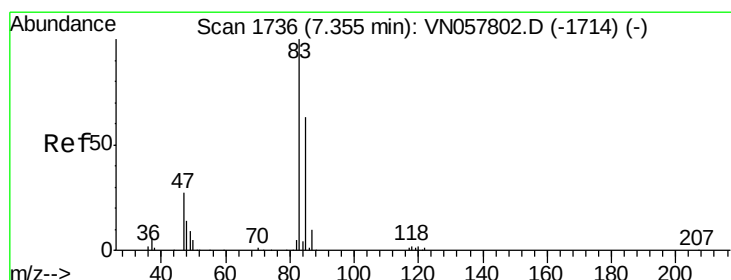
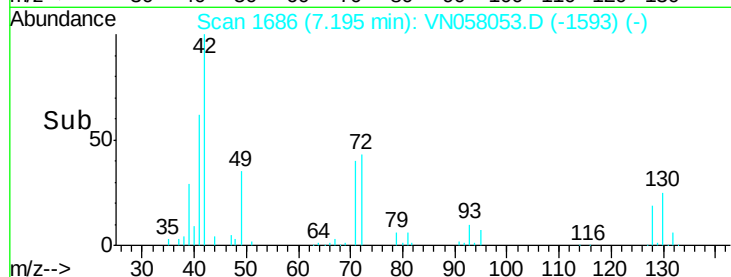
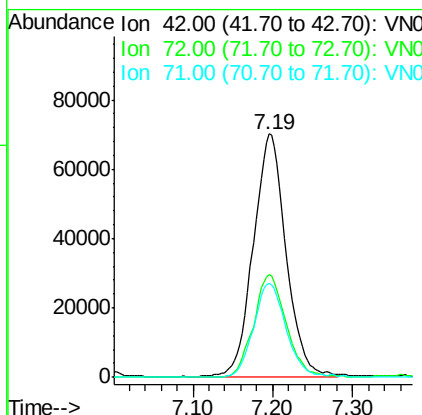
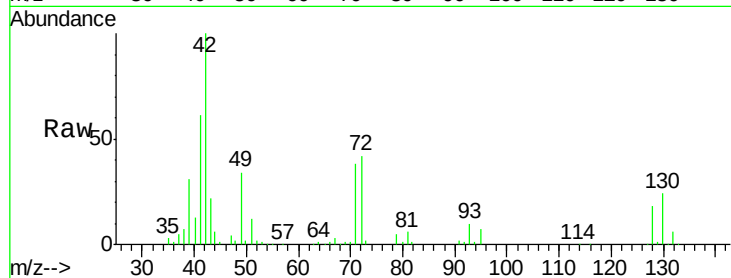
#29
Tetrahydrofuran
Concen: 102.545 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058053.D
Acq: 14 Sep 2019 6:00

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD04

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.7	50.5
71	38.1	31.9	47.9

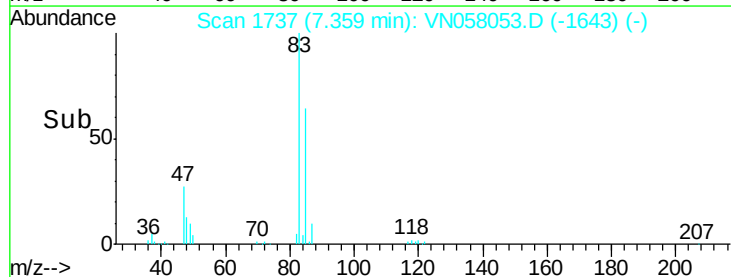
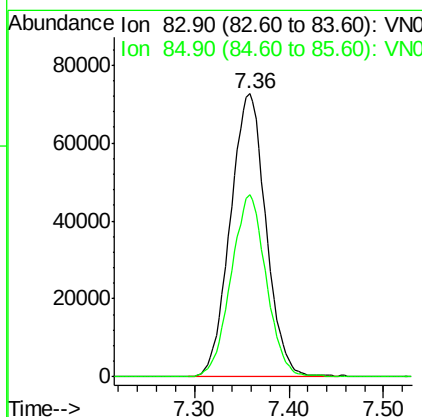
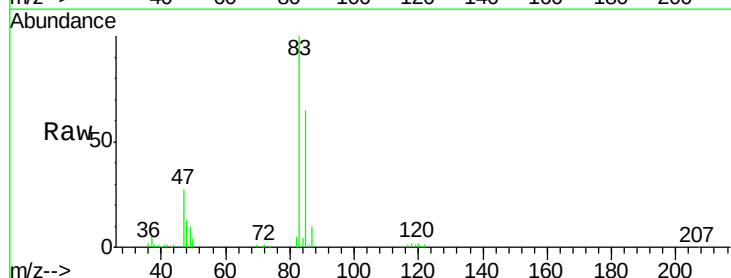
Manual Integrations
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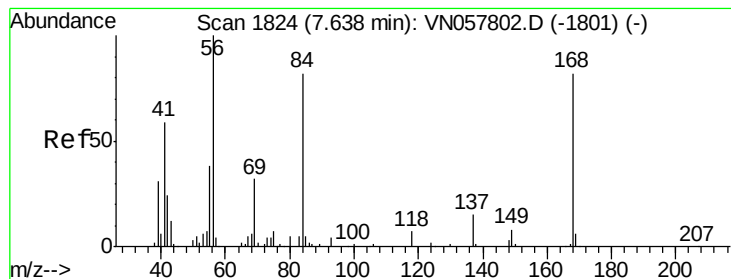
MMDadoda
9/16/2019 2:11:06 PM



#30
Chloroform
Concen: 20.887 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN058053.D
Acq: 14 Sep 2019 6:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.6	75.8





#31

Cyclohexane

Concen: 19.051 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058053.D

Acq: 14 Sep 2019 6:00

Instrument :

MSVOA_N

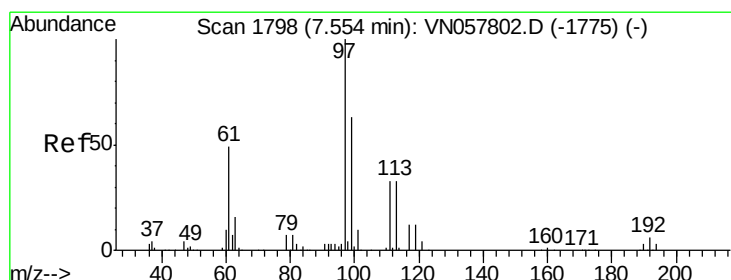
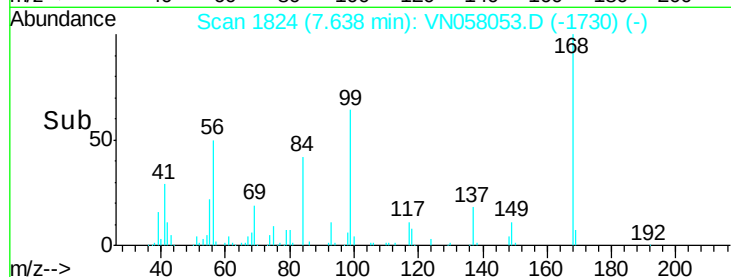
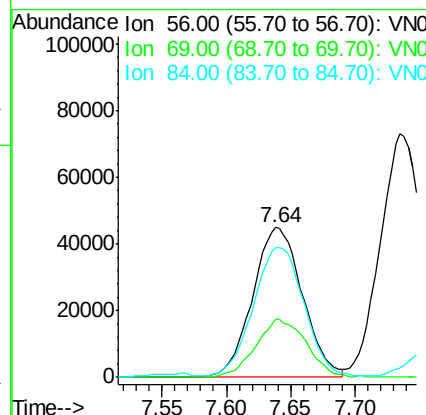
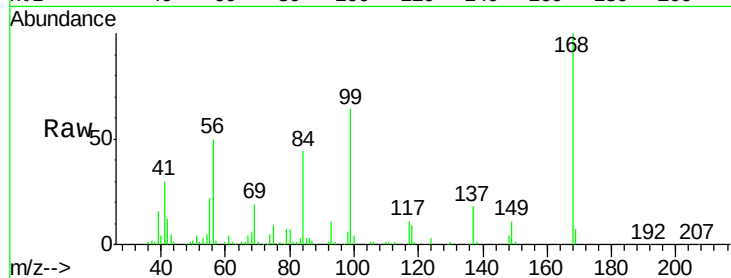
ClientSampleId :

VN0914WBSD04

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.4	25.9	38.9
84	85.0	65.6	98.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.070 ug/l

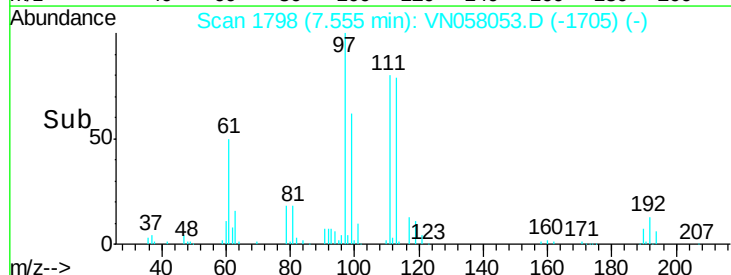
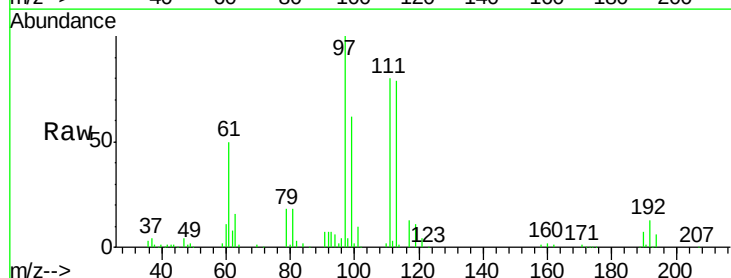
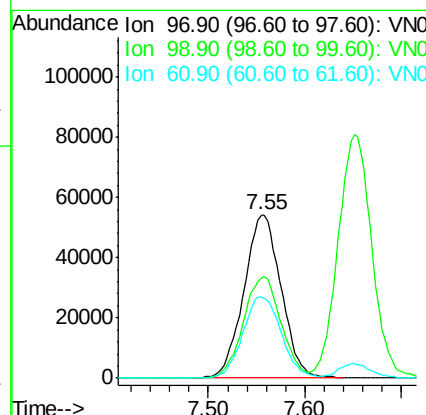
RT: 7.55 min Scan# 1798

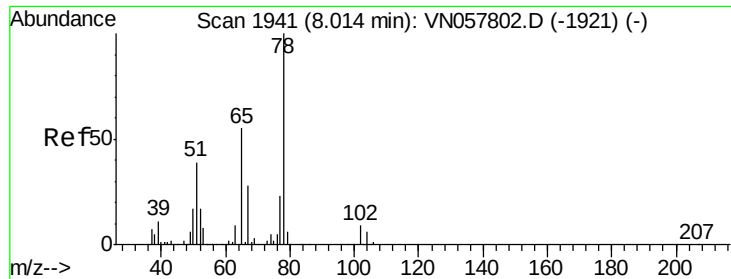
Delta R.T. 0.00 min

Lab File: VN058053.D

Acq: 14 Sep 2019 6:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.0	76.4
61	51.3	39.0	58.6





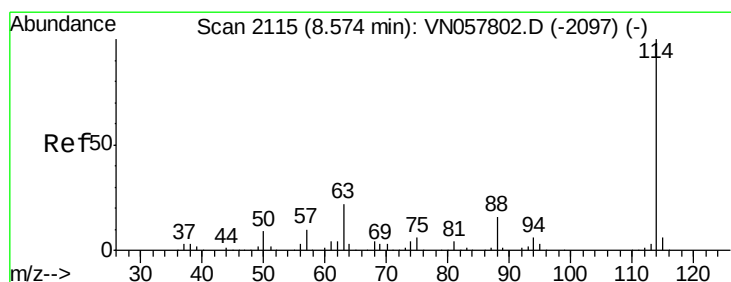
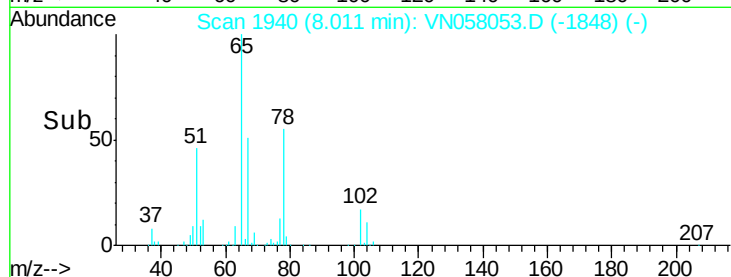
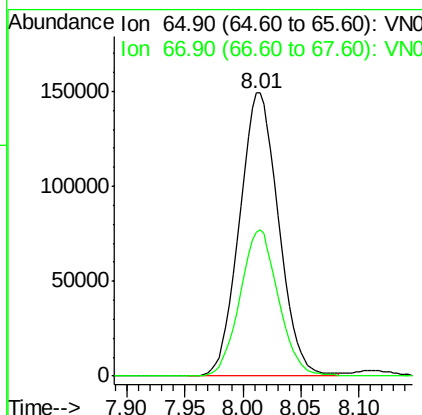
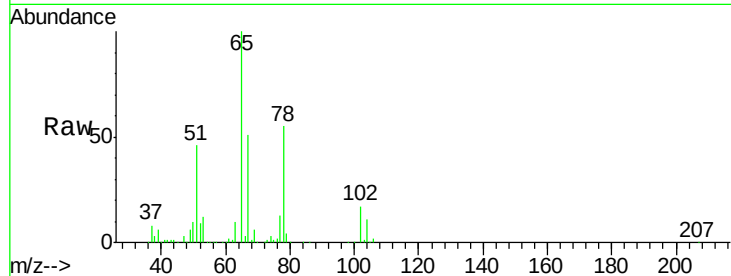
#33
 1,2-Dichloroethane-d4
 Concen: 53.078 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058053.D
 Acq: 14 Sep 2019 6:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD04

Tot Ion: 65 Resp: 350484
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 104.0

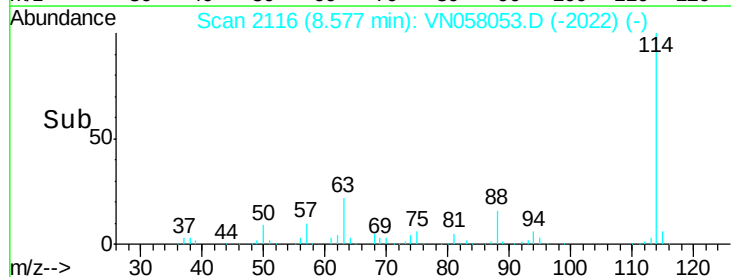
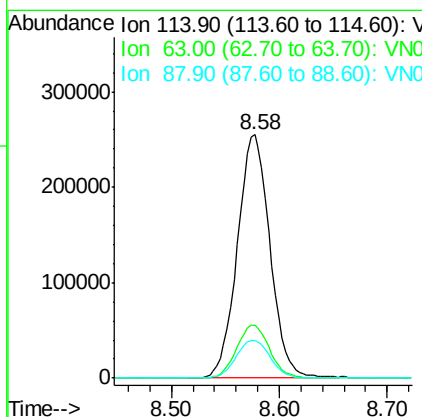
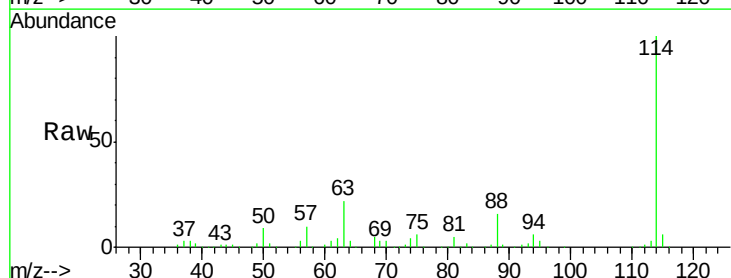
Manual Integrations
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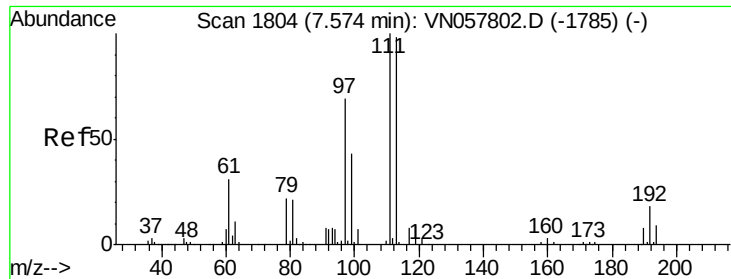
MMDadoda
 9/16/2019 2:11:06 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058053.D
 Acq: 14 Sep 2019 6:00

Tgt Ion: 114 Resp: 536540
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 44.0
 88 15.5 0.0 31.4





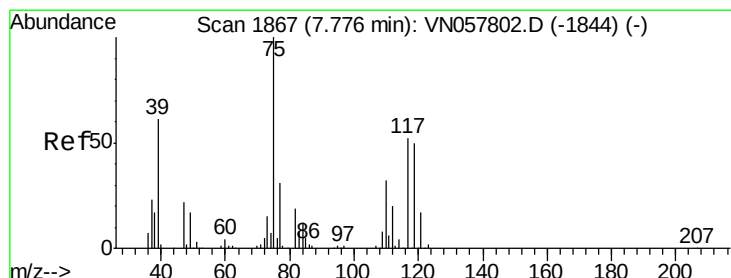
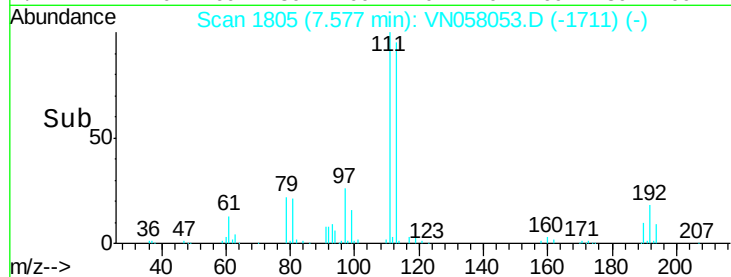
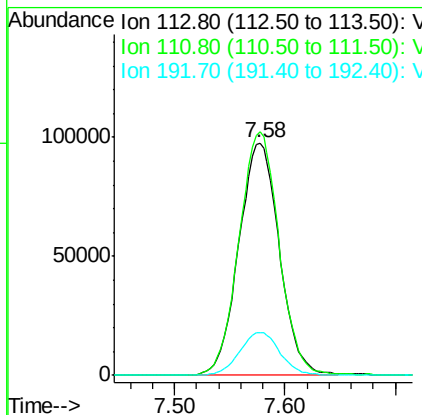
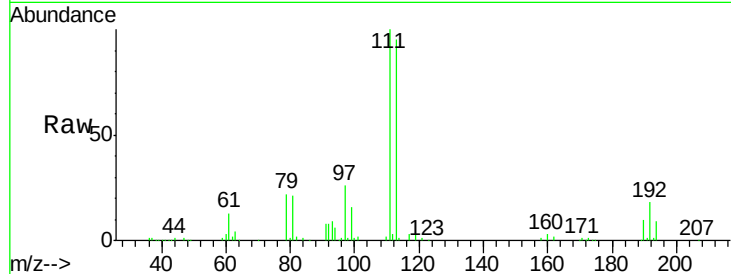
#35
 Dibromofluoromethane
 Concen: 50.222 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN058053.D
 Acq: 14 Sep 2019 6:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD04

Tot Ion	Ratio	Resp	Lower	Upper
113	100	248701		
111	103.7	81.3	121.9	
192	18.5	14.6	22.0	

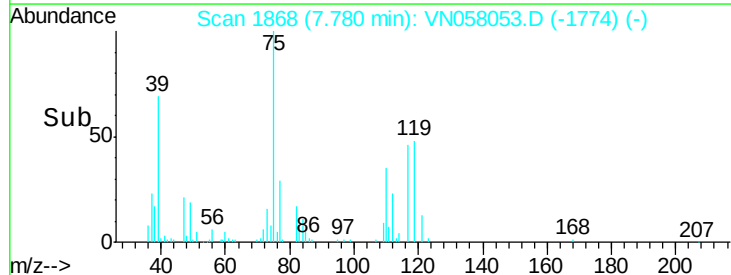
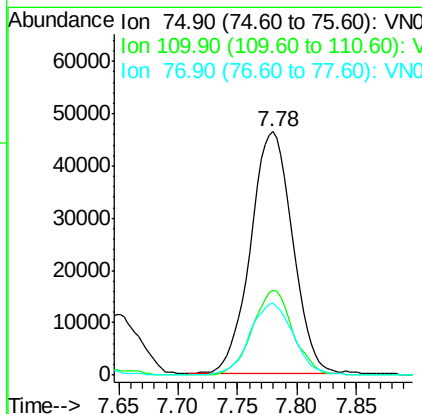
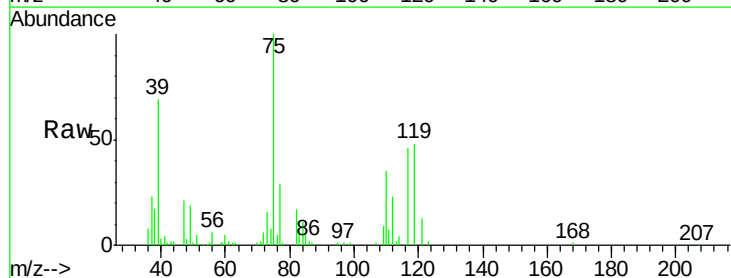
Manual Integrations
 APPROVED

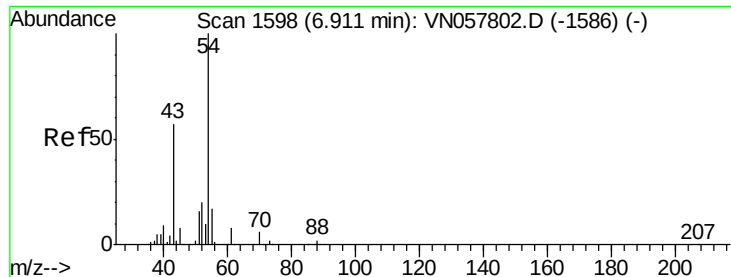
MMDadoda
 9/16/2019 2:11:06 PM



#36
 1,1-Dichloropropene
 Concen: 18.281 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN058053.D
 Acq: 14 Sep 2019 6:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	113753		
110	33.7	16.3	48.9	
77	30.8	25.0	37.4	





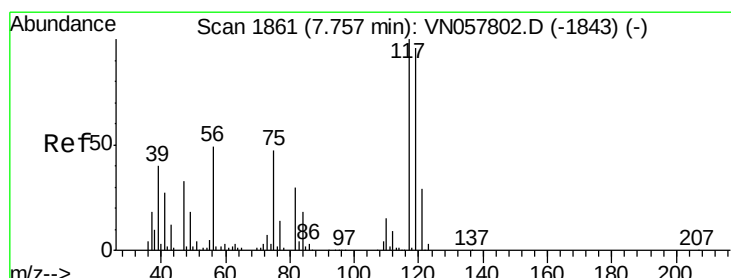
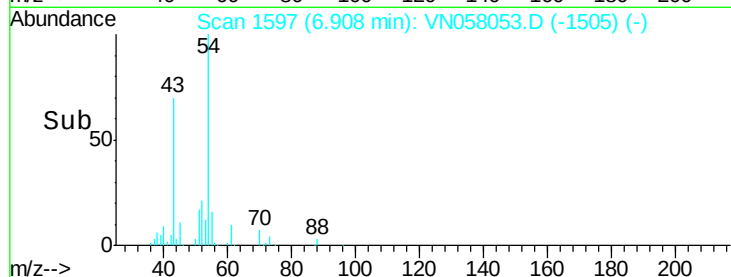
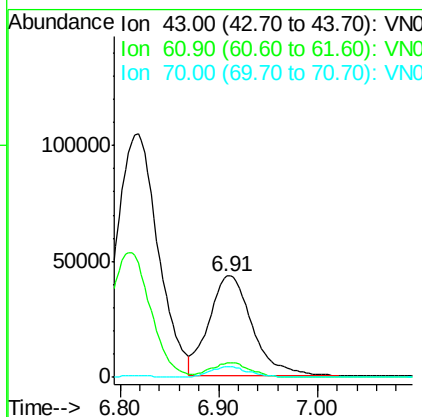
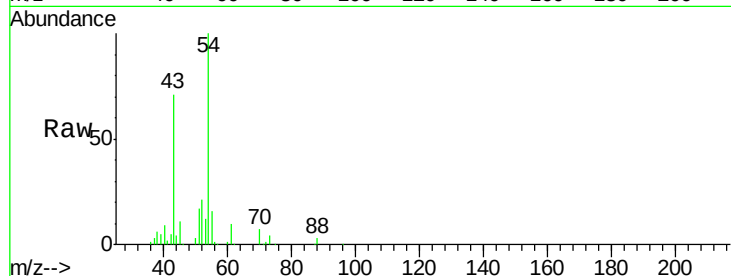
#37
Ethyl Acetate
Concen: 20.484 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058053.D
Acq: 14 Sep 2019 6:00

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD04

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	13.0	10.5	15.7	
70	9.7	7.4	11.0	

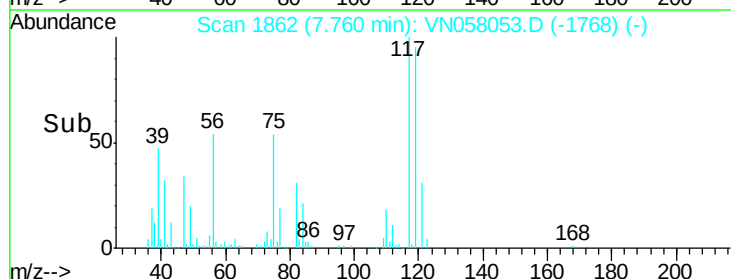
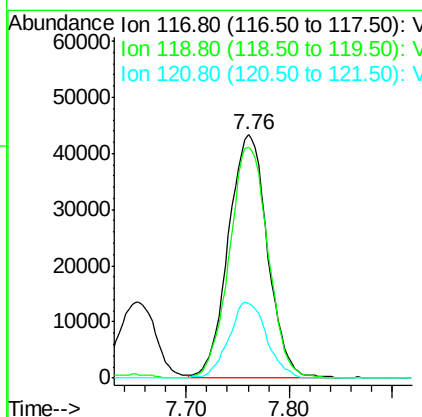
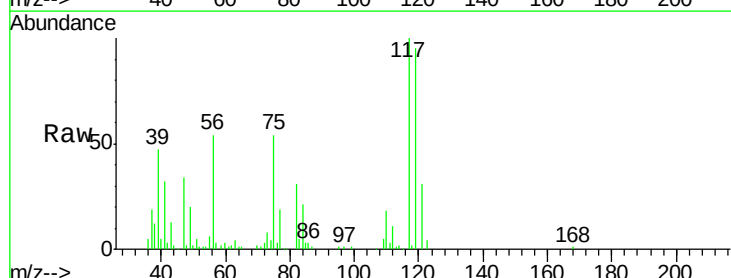
Manual Integrations
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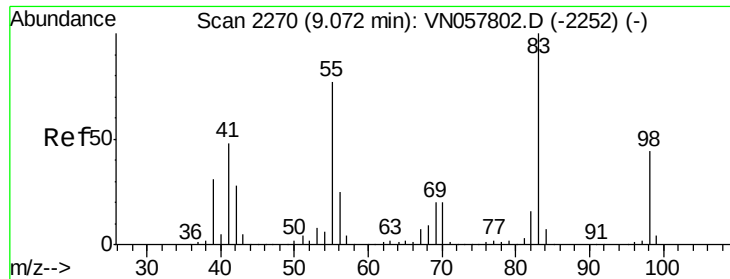
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#38
Carbon Tetrachloride
Concen: 20.172 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058053.D
Acq: 14 Sep 2019 6:00

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.8	76.9	115.3	
121	30.9	23.4	35.2	





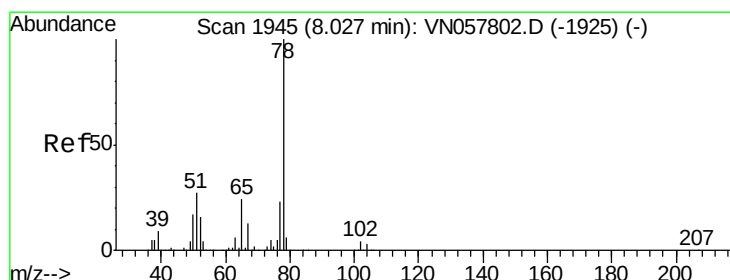
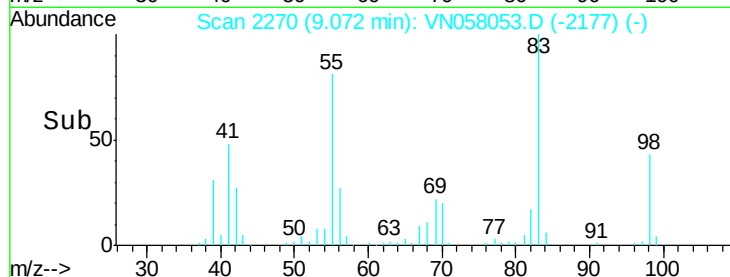
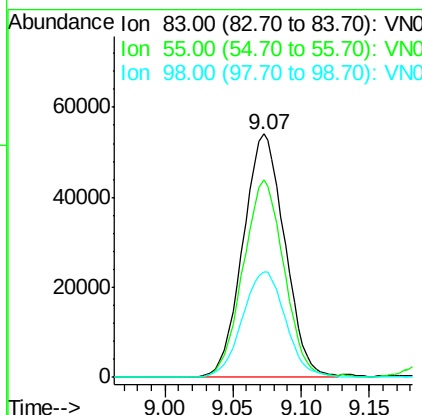
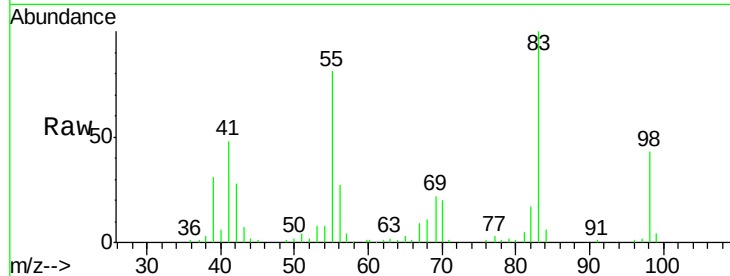
#39
Methylvlcyclohexane
Concen: 17.593 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058053.D
Acq: 14 Sep 2019 6:00

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD04

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	80.9	61.6	92.4	
98	43.4	34.9	52.3	

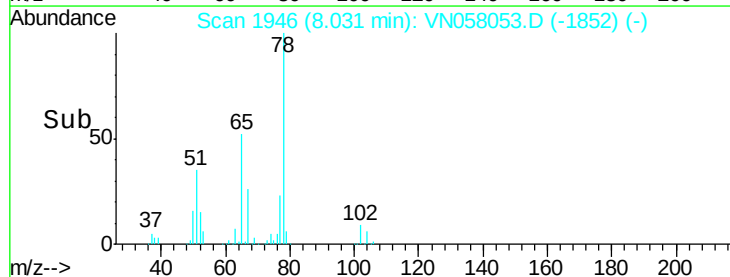
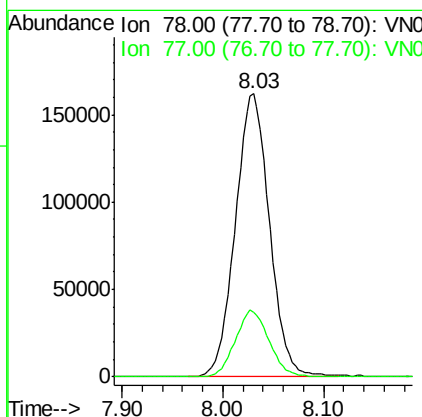
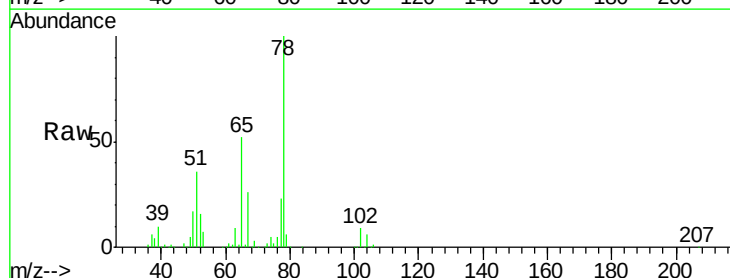
Manual Integrations
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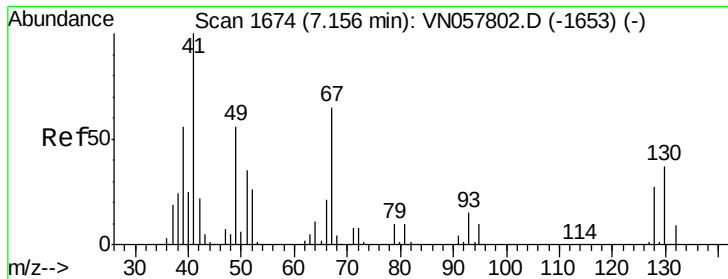
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#40
Benzene
Concen: 20.259 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN058053.D
Acq: 14 Sep 2019 6:00

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.0	18.3	27.5	





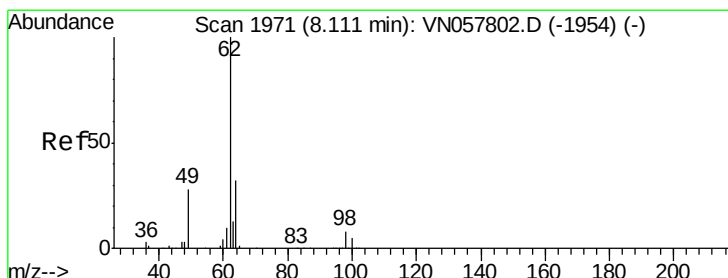
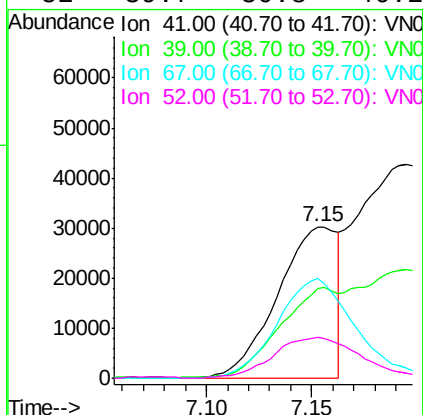
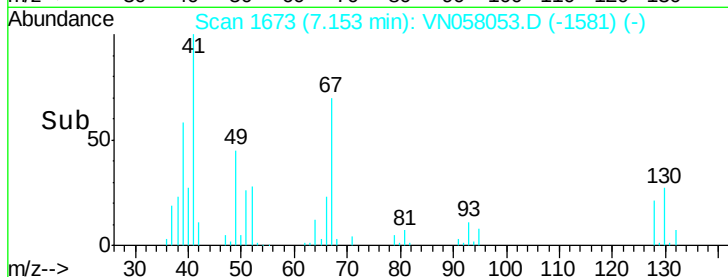
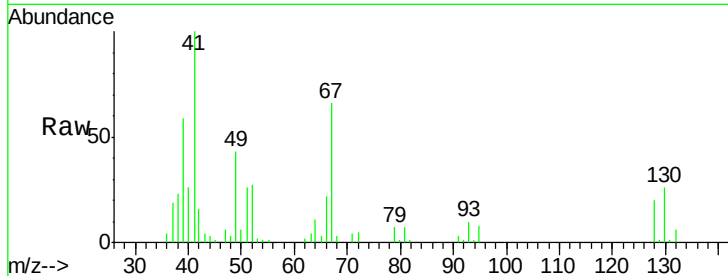
#41
Methacrylonitrile
Concen: 20.503 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN058053.D
Acq: 14 Sep 2019 6:00

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD04

Tot Ion	41	Resp	59835
Ion	Ratio	Lower	Upper
41	100		
39	57.8	51.0	76.6
67	85.3	70.7	106.1
52	39.7	30.8	46.2

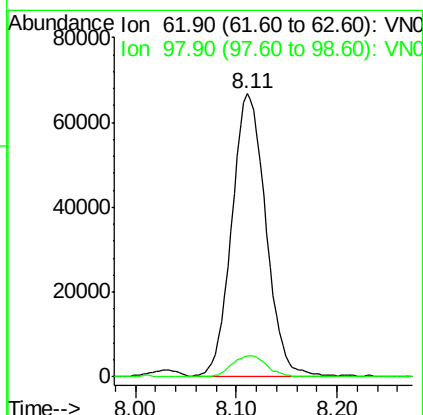
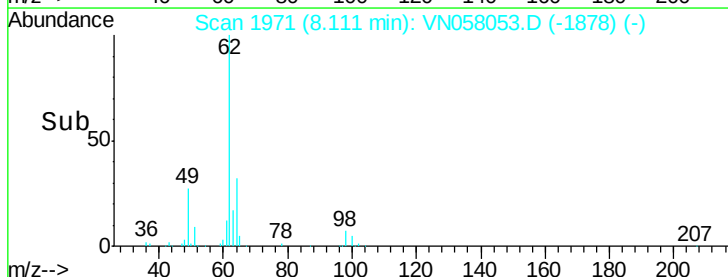
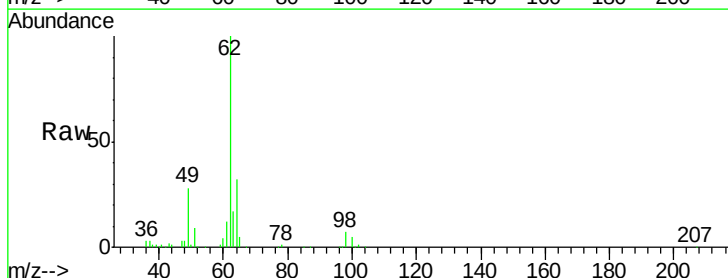
Manual Integrations
APPROVED

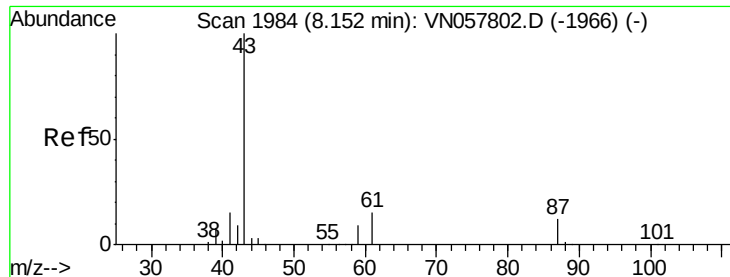
MMDadoda
9/16/2019 2:11:06 PM



#42
1,2-Dichloroethane
Concen: 20.966 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058053.D
Acq: 14 Sep 2019 6:00

Tgt Ion	62	Resp	157085
Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.8





#43

Isopropyl Acetate

Concen: 22.151 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058053.D

Acq: 14 Sep 2019 6:00

Instrument :

MSVOA_N

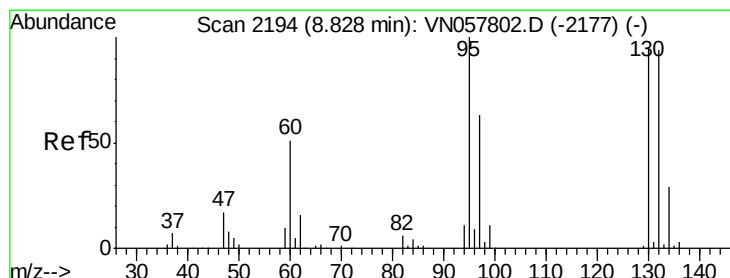
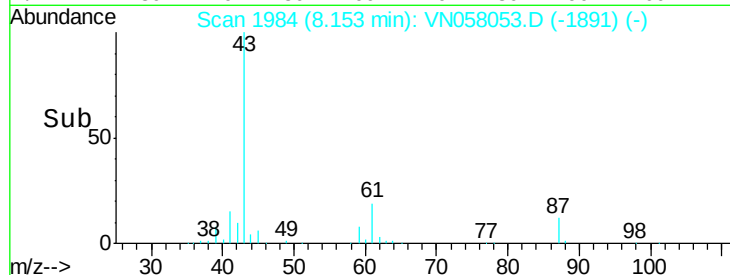
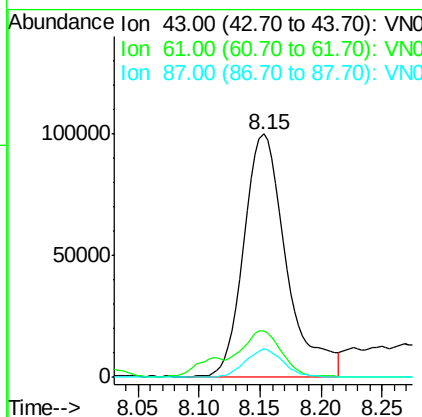
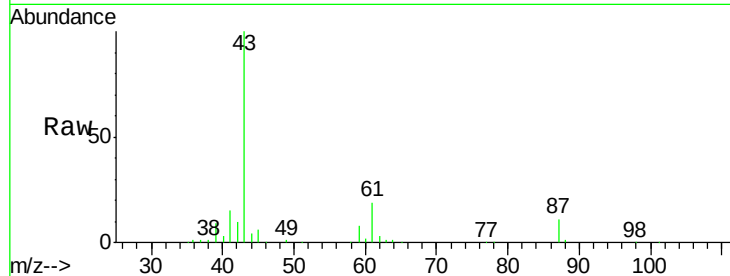
ClientSampled :

VN0914WBSD04

Tot Ion:	43	Resp:	239485
Ion Ratio	Lower	Upper	
43	100		
61	17.3	20.1	30.1#
87	10.6	9.5	14.3

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#44

Trichloroethene

Concen: 20.349 ug/l

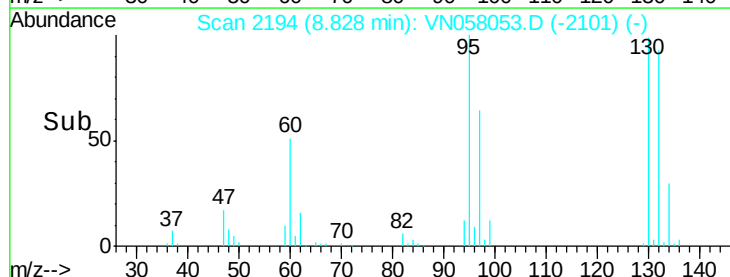
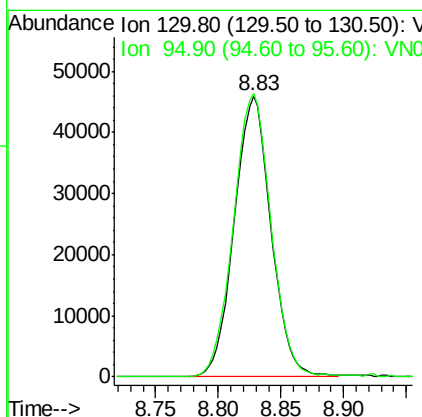
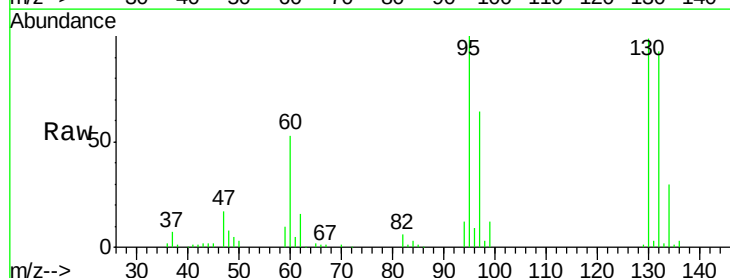
RT: 8.83 min Scan# 2194

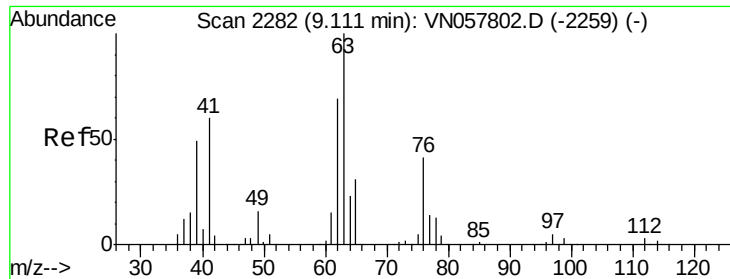
Delta R.T. 0.00 min

Lab File: VN058053.D

Acq: 14 Sep 2019 6:00

Tgt Ion:	130	Resp:	93498
Ion Ratio	Lower	Upper	
130	100		
95	100.6	0.0	211.4





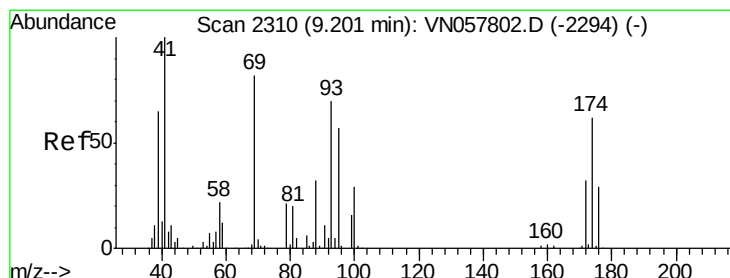
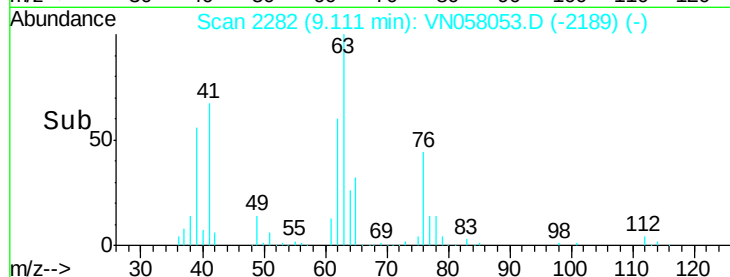
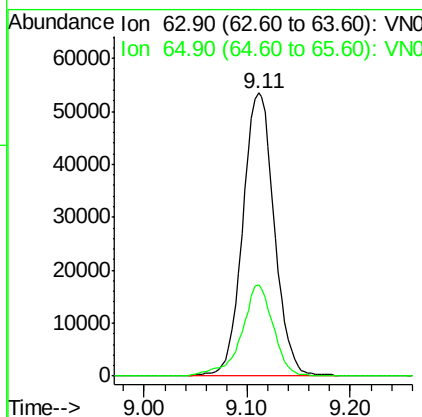
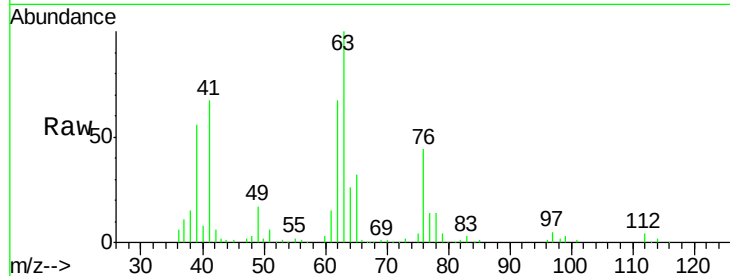
#45
 1,2-Dichloropropane
 Concen: 20.847 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058053.D
 Acq: 14 Sep 2019 6:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD04

Tot Ion: 63 Resp: 113639
 Ion Ratio Lower Upper
 63 100
 65 32.3 24.8 37.2

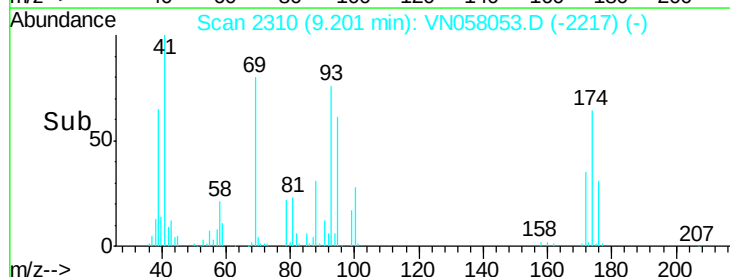
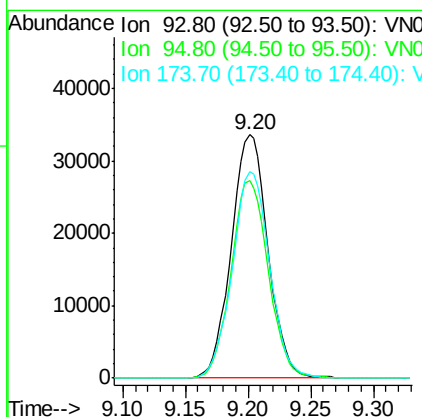
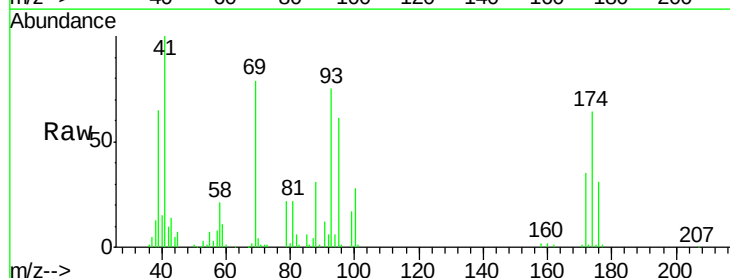
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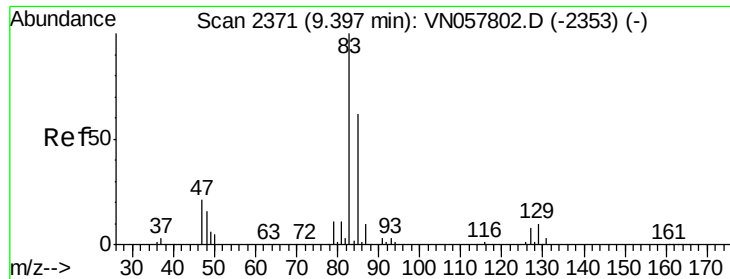
MMDadoda
 9/16/2019 2:11:06 PM



#46
 Dibromomethane
 Concen: 20.708 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058053.D
 Acq: 14 Sep 2019 6:00

Tgt Ion: 93 Resp: 68212
 Ion Ratio Lower Upper
 93 100
 95 82.4 65.9 98.9
 174 86.5 71.8 107.6





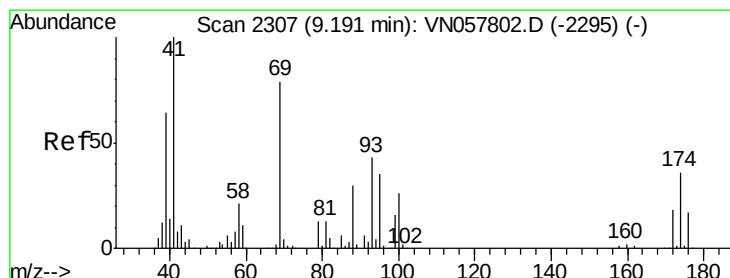
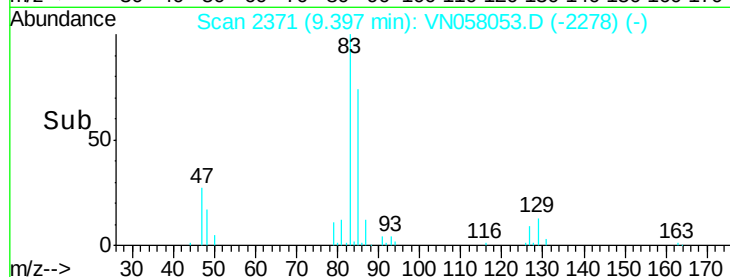
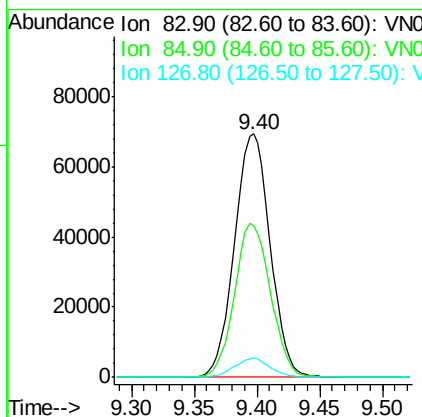
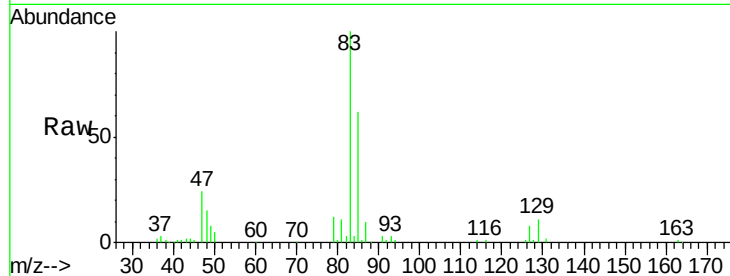
#47
Bromodichloromethane
Concen: 20.845 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN058053.D
Acq: 14 Sep 2019 6:00

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD04

Tot Ion	83	Resp	137116
Ion Ratio	Lower	Upper	
83	100		
85	62.3	49.9	74.9
127	7.8	6.5	9.7

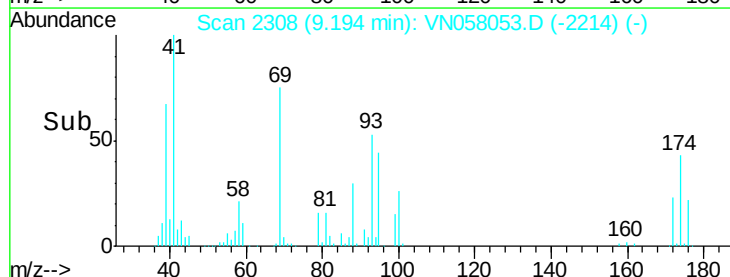
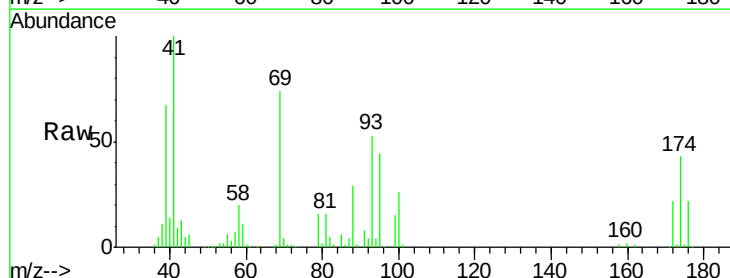
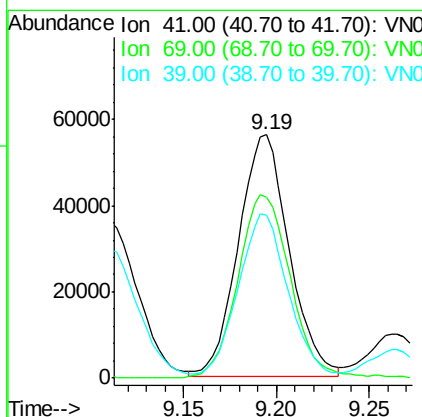
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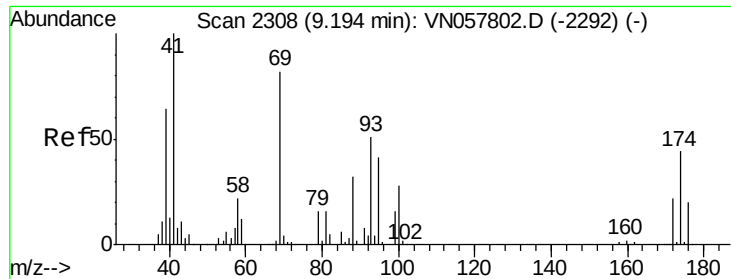
MMDadoda
9/16/2019 2:11:06 PM



#48
Methyl methacrylate
Concen: 19.390 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN058053.D
Acq: 14 Sep 2019 6:00

Tgt Ion	41	Resp	106340
Ion Ratio	Lower	Upper	
41	100		
69	78.3	62.7	94.1
39	67.2	52.7	79.1





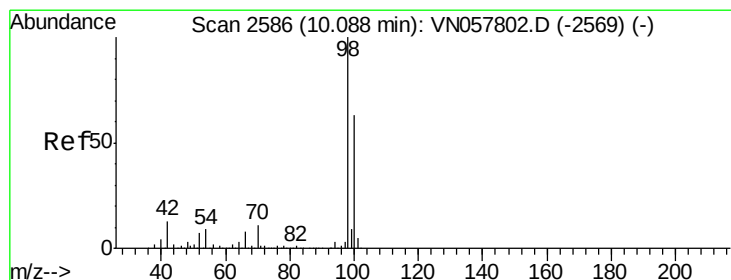
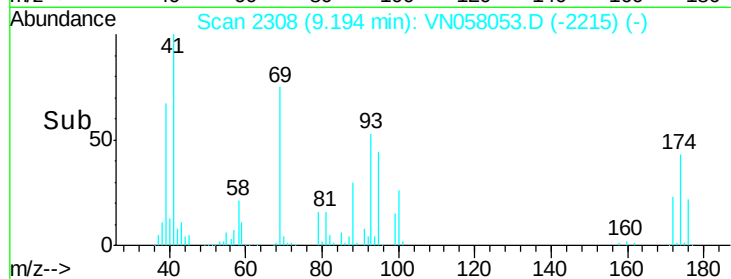
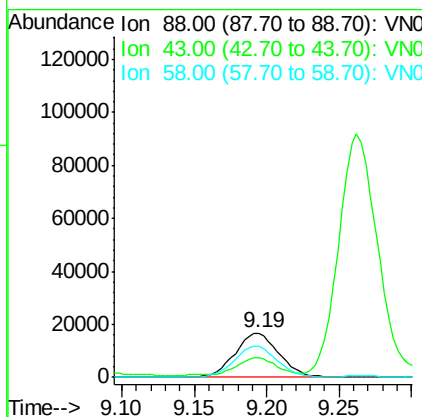
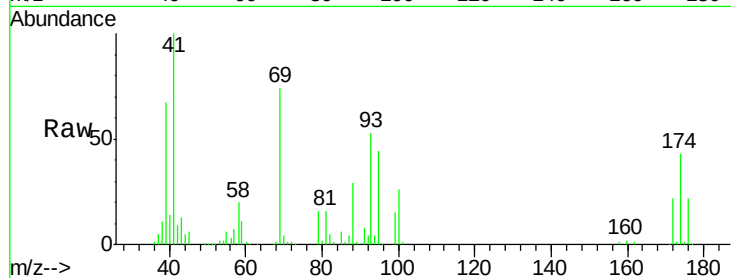
#49
1,4-Dioxane
Concen: 380.297 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN058053.D
Acq: 14 Sep 2019 6:00

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD04

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.5	28.5	42.7
58	68.8	55.8	83.6

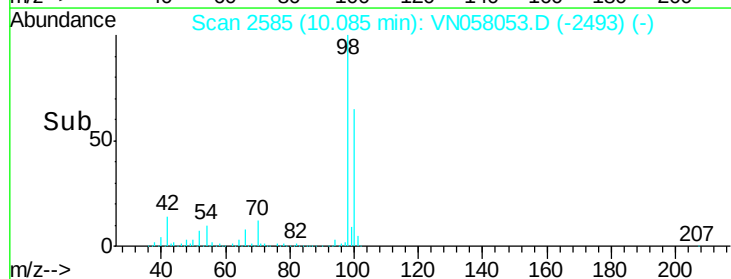
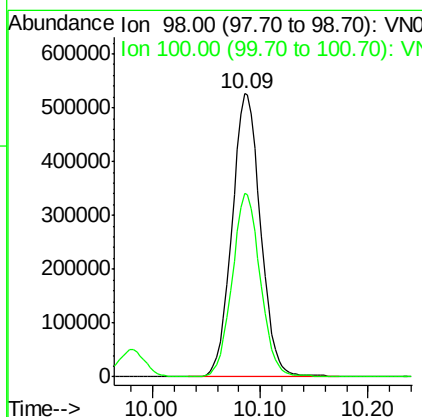
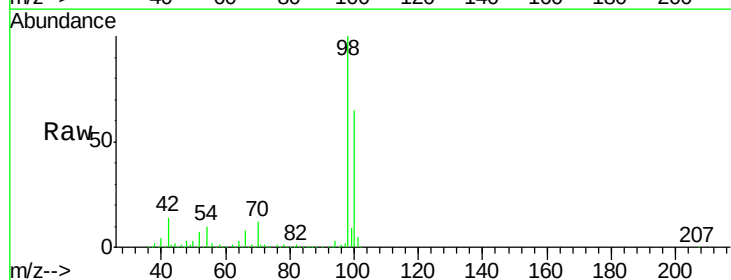
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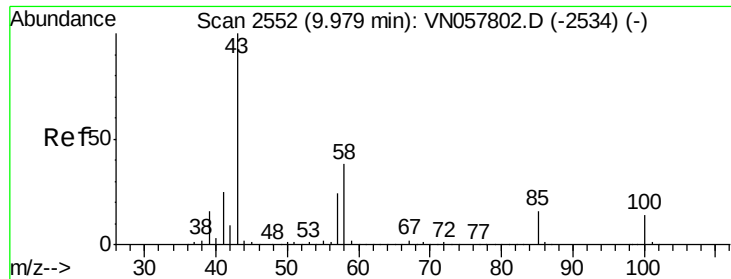
MMDadoda
9/16/2019 2:11:06 PM



#50
Toluene-d8
Concen: 50.603 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058053.D
Acq: 14 Sep 2019 6:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 105.710 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058053.D

Acq: 14 Sep 2019 6:00

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD04

Tot Ion: 43 Resp: 676319

Ion Ratio Lower Upper

43 100

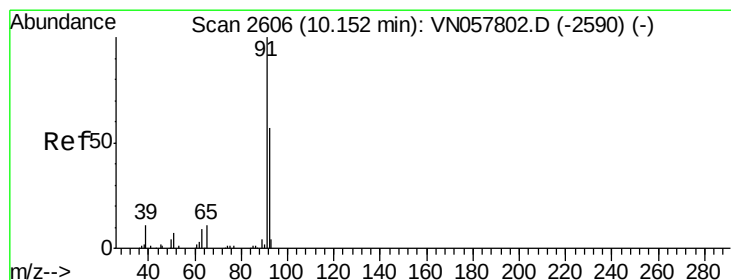
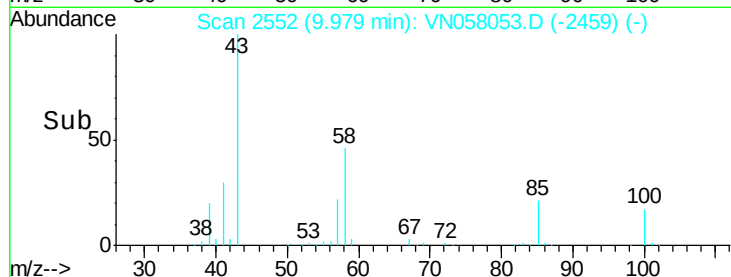
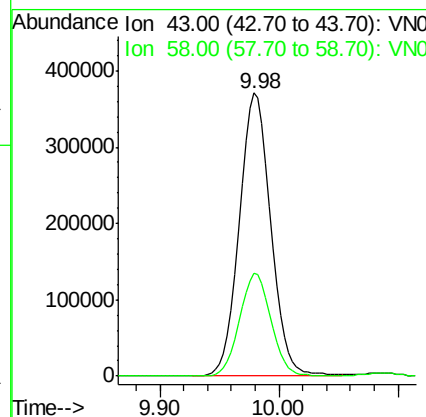
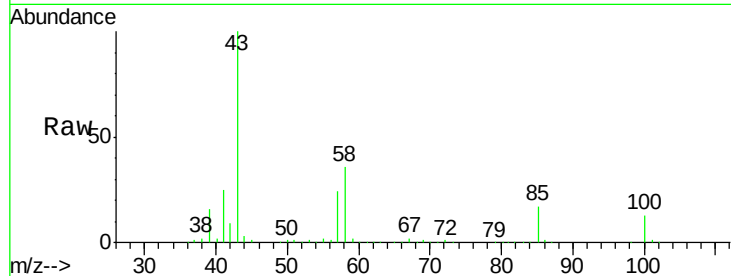
58 36.5 29.8 44.6

Manual Integrations

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#52

Toluene

Concen: 19.936 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058053.D

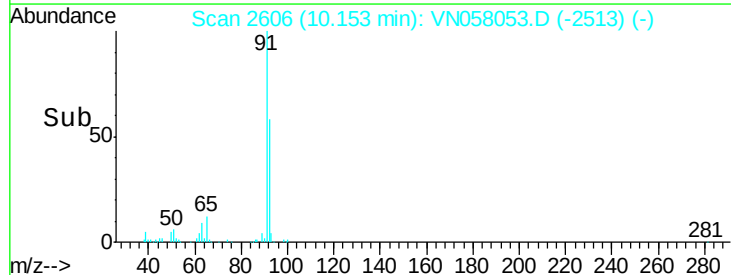
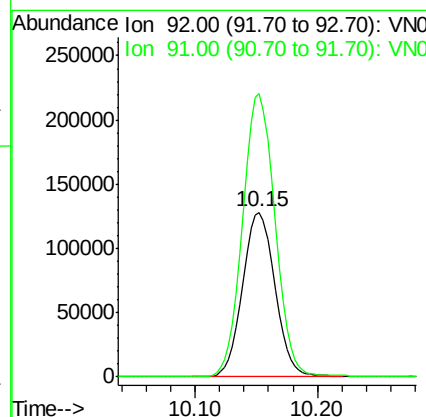
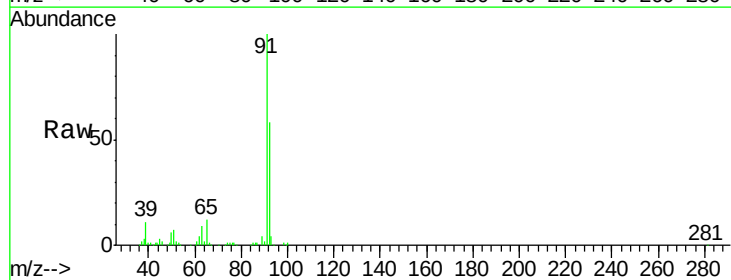
Acq: 14 Sep 2019 6:00

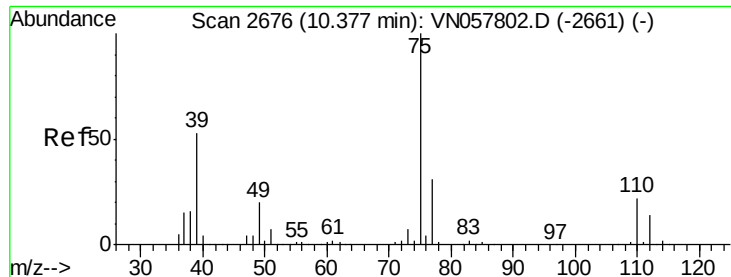
Tgt Ion: 92 Resp: 235222

Ion Ratio Lower Upper

92 100

91 172.6 141.0 211.6





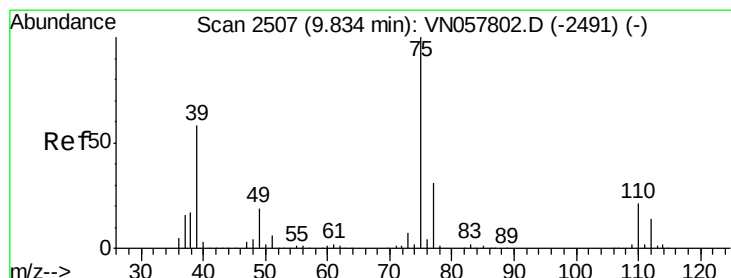
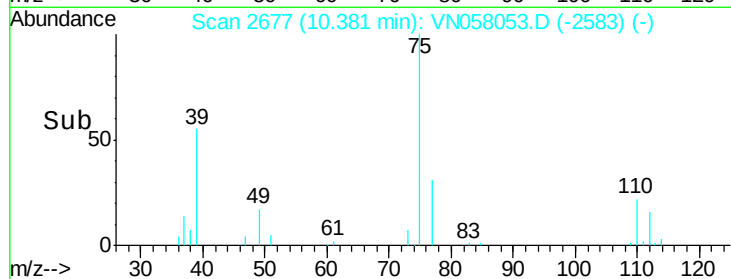
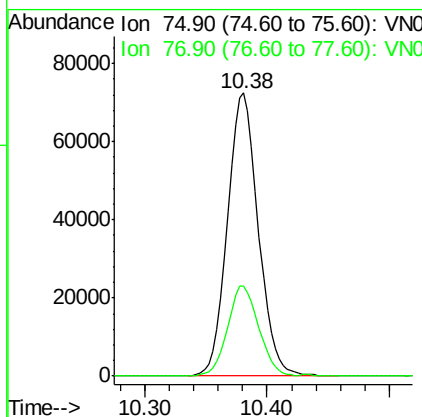
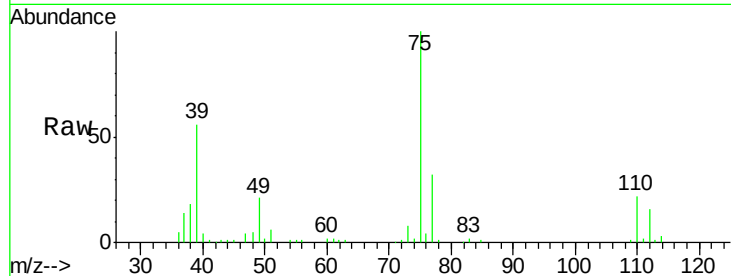
#53
 t-1,3-Dichloropropene
 Concen: 18.438 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN058053.D
 Acq: 14 Sep 2019 6:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD04

Tot Ion: 75 Resp: 127721
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.5 36.7

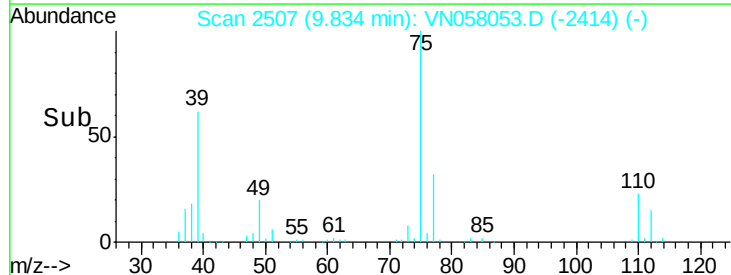
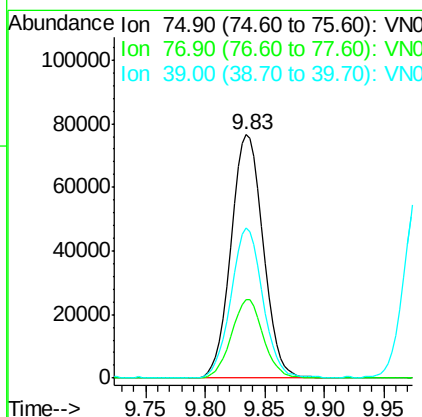
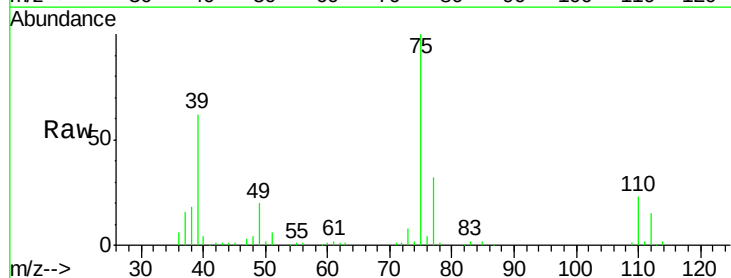
Manual Integrations
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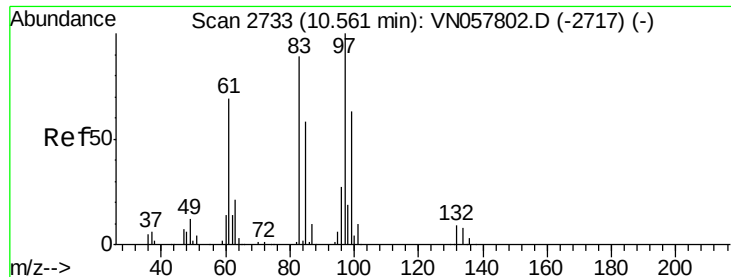
MMDadoda
 9/16/2019 2:11:06 PM



#54
 cis-1,3-Dichloropropene
 Concen: 18.786 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN058053.D
 Acq: 14 Sep 2019 6:00

Tgt Ion: 75 Resp: 143667
 Ion Ratio Lower Upper
 75 100
 77 32.1 24.8 37.2
 39 61.7 46.2 69.4





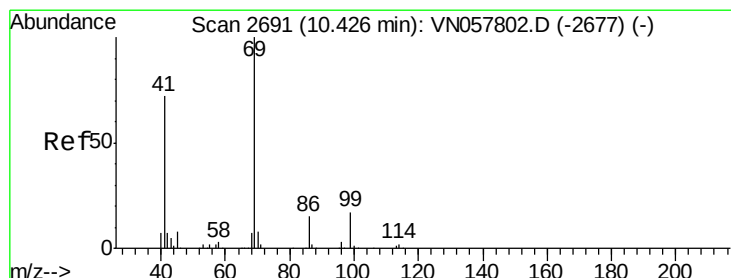
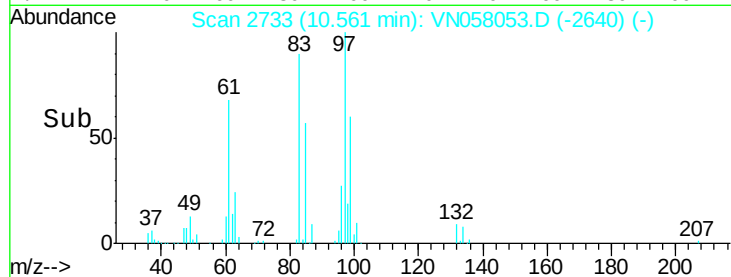
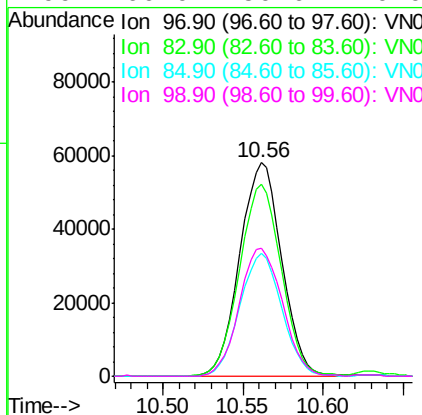
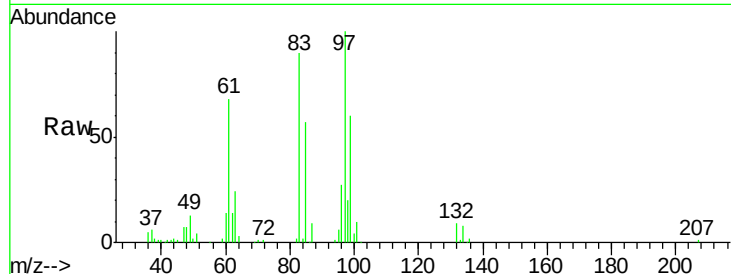
#55
 1,1,2-Trichloroethane
 Concen: 20.879 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058053.D
 Acq: 14 Sep 2019 6:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD04

Tot Ion:	97	Resp:	104355
Ion	Ratio	Lower	Upper
97	100		
83	89.9	70.8	106.2
85	57.3	46.0	69.0
99	60.0	50.6	76.0

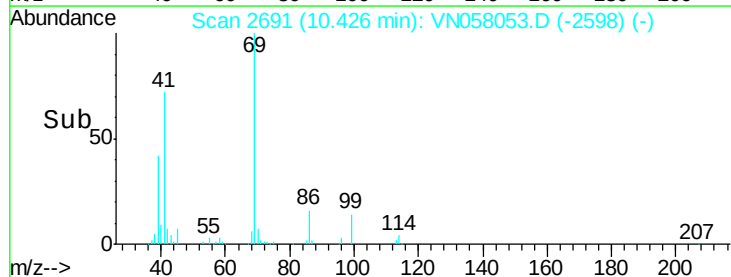
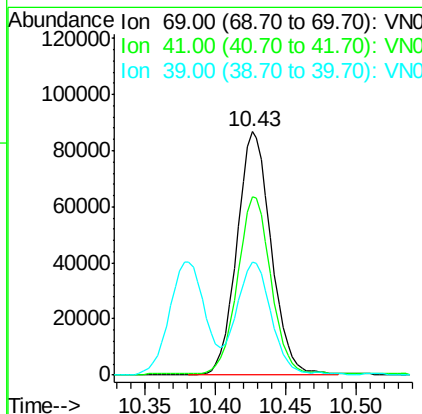
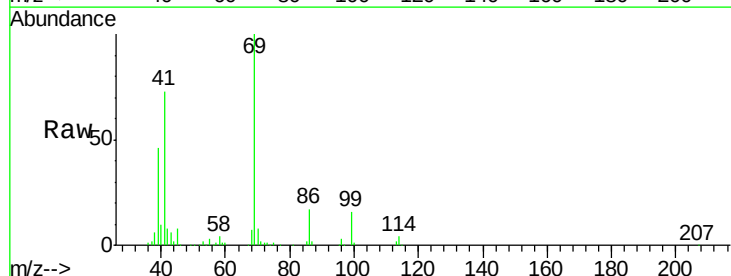
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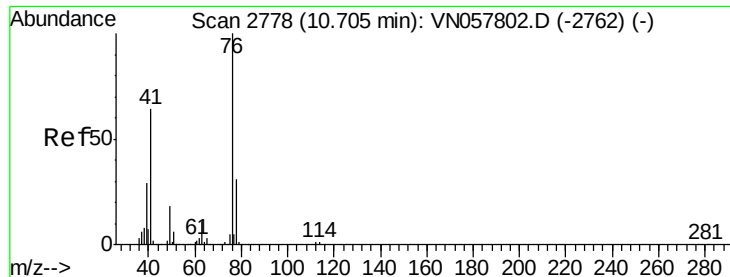
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 19.685 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058053.D
 Acq: 14 Sep 2019 6:00

Tgt Ion:	69	Resp:	148158
Ion	Ratio	Lower	Upper
69	100		
41	70.6	56.7	85.1
39	46.8	36.3	54.5





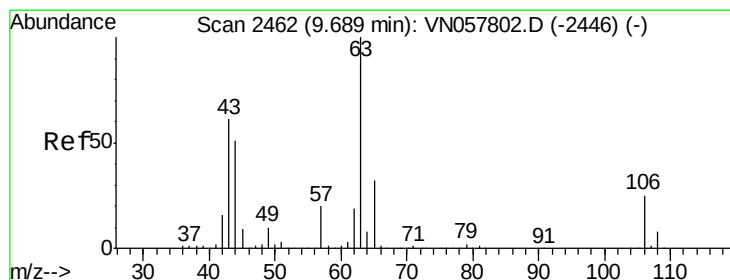
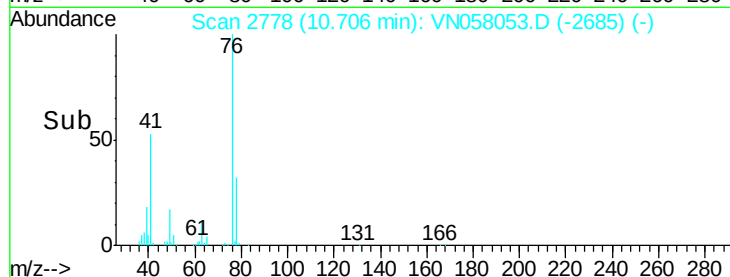
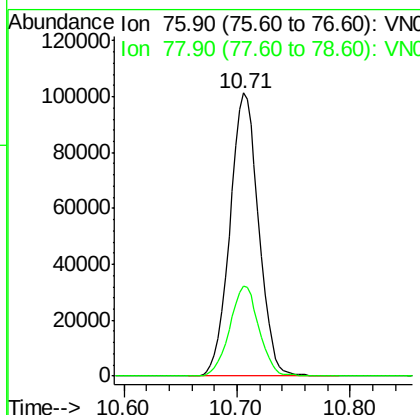
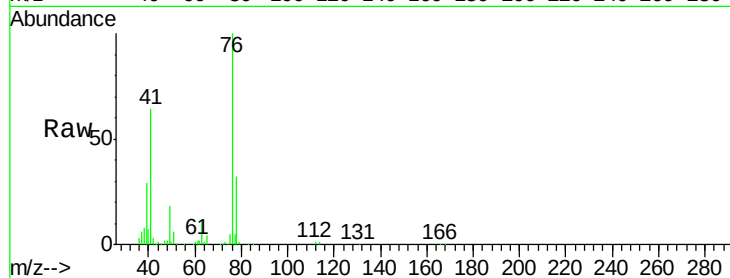
#57
 1,3-Dichloropropane
 Concen: 20.717 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058053.D
 Acq: 14 Sep 2019 6:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD04

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.4	38.2

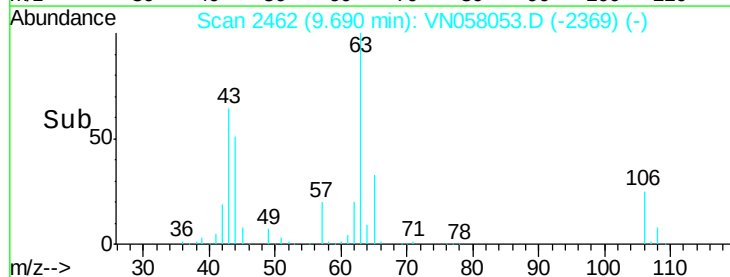
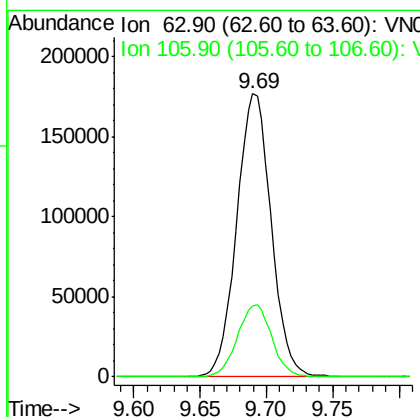
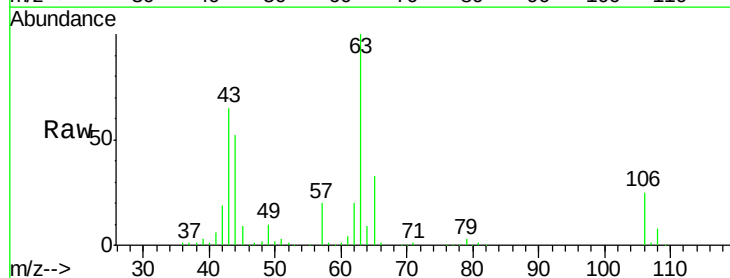
Manual Integrations
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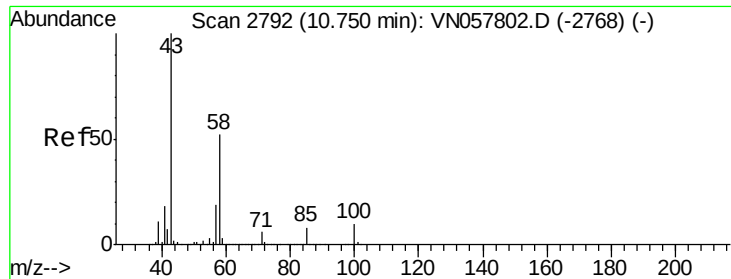
MMDadoda
 9/16/2019 2:11:06 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.121 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058053.D
 Acq: 14 Sep 2019 6:00

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.4	20.0	30.0





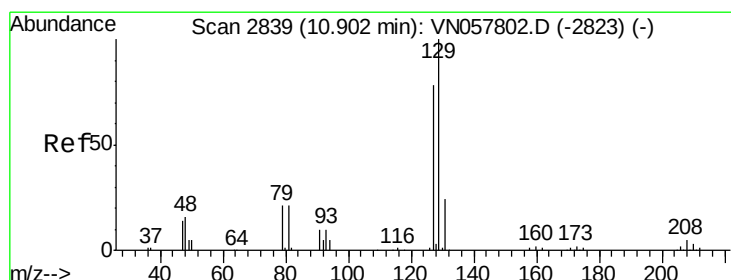
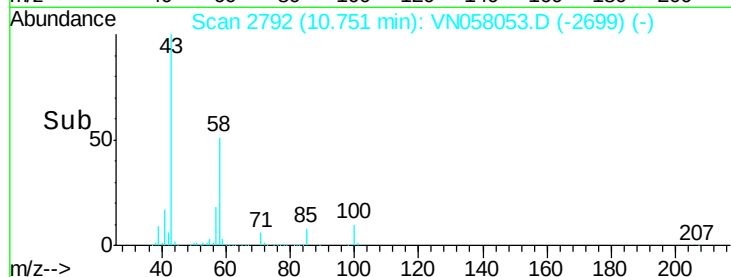
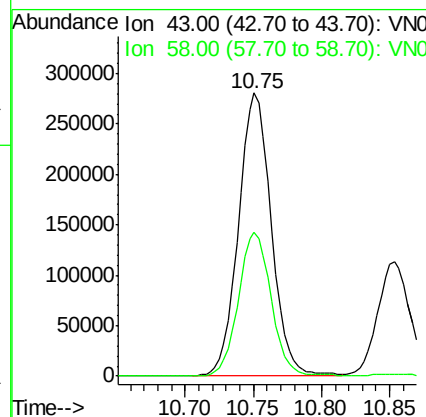
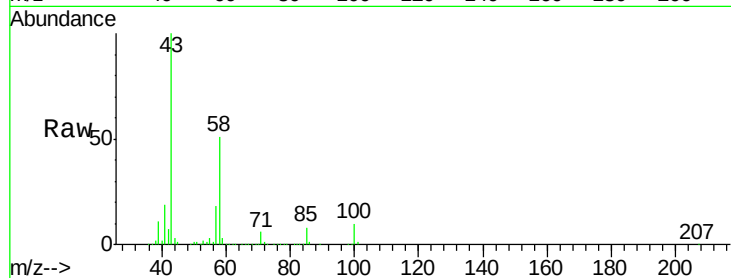
#59
2-Hexanone
Concen: 97.310 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058053.D
Acq: 14 Sep 2019 6:00

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD04

Tot Ion: 43 Resp: 466646
Ion Ratio Lower Upper
43 100
58 51.1 25.6 76.8

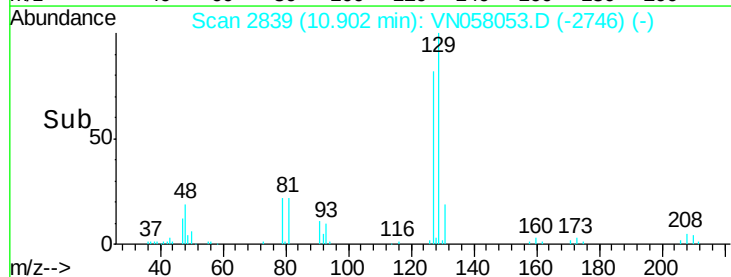
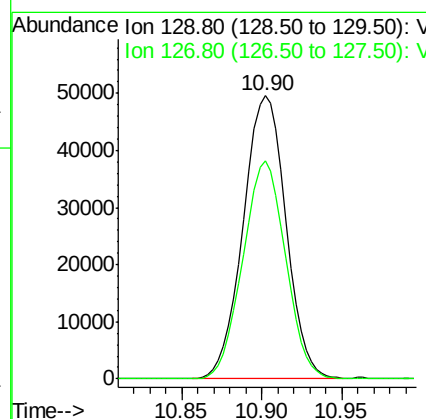
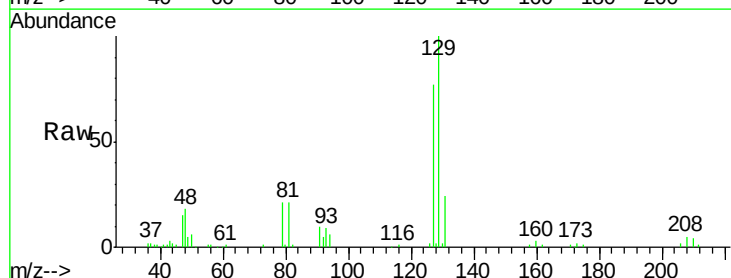
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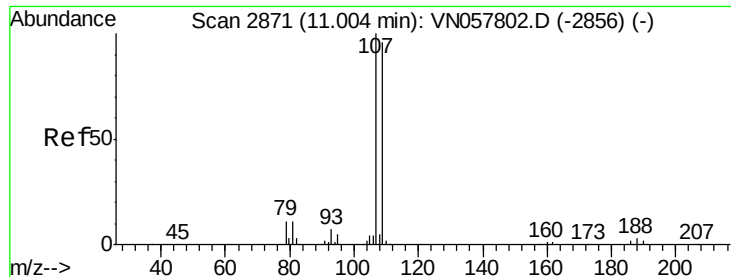
MMDadoda
9/16/2019 2:11:06 PM



#60
Dibromochloromethane
Concen: 19.532 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058053.D
Acq: 14 Sep 2019 6:00

Tgt Ion: 129 Resp: 90650
Ion Ratio Lower Upper
129 100
127 76.8 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.837 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058053.D

Acq: 14 Sep 2019 6:00

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD04

Tot Ion:107 Resp: 93730

Ion Ratio Lower Upper

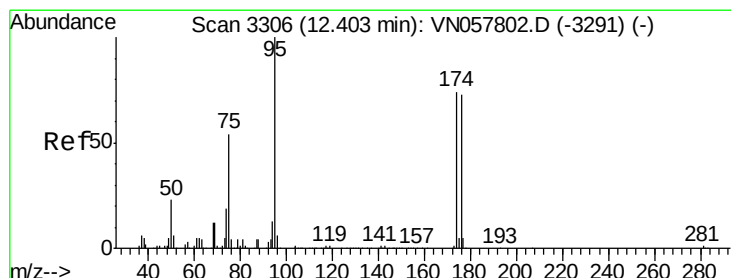
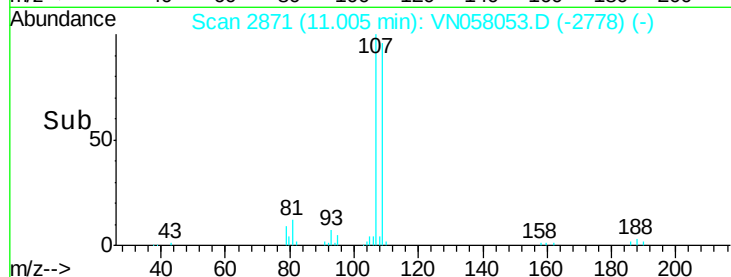
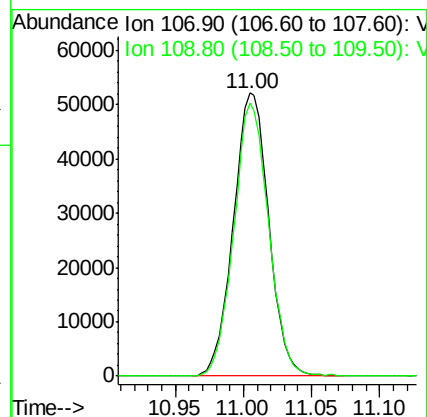
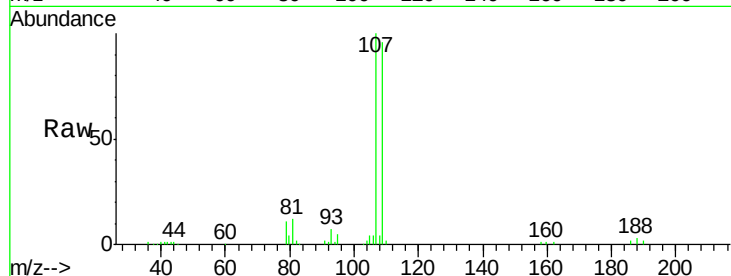
107 100

109 95.0 75.3 112.9

Manual Integrations
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MMDadoda

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#62

4-Bromofluorobenzene

Concen: 47.087 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058053.D

Acq: 14 Sep 2019 6:00

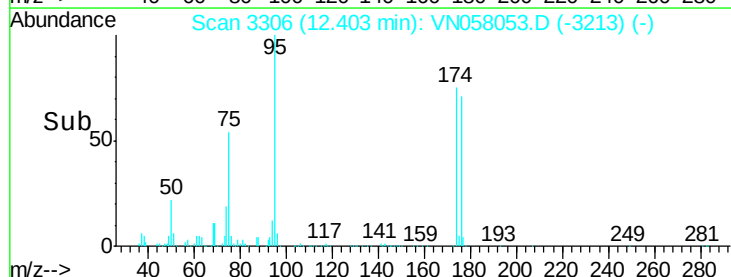
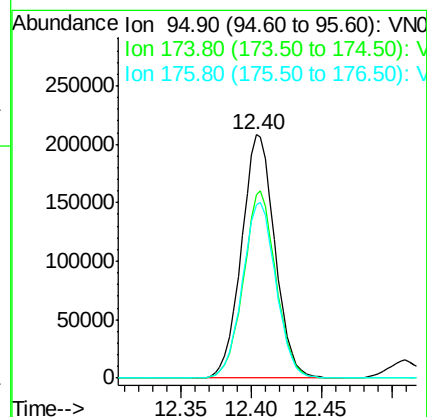
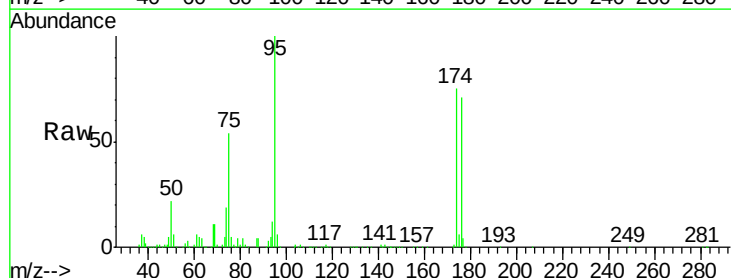
Tgt Ion: 95 Resp: 345004

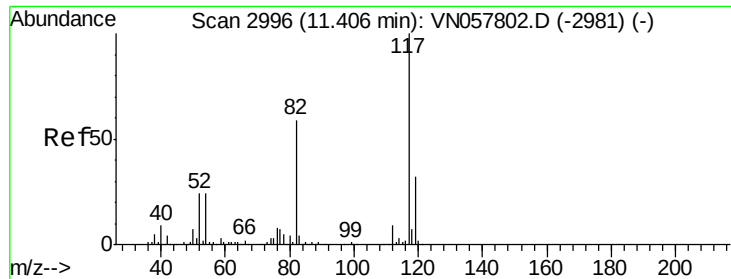
Ion Ratio Lower Upper

95 100

174 74.5 0.0 150.2

176 72.4 0.0 146.0





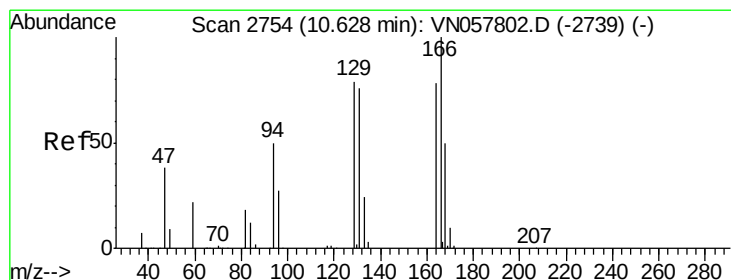
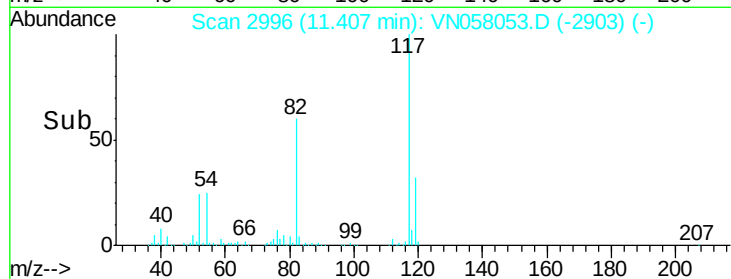
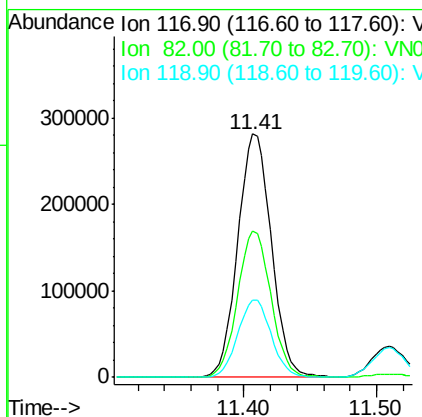
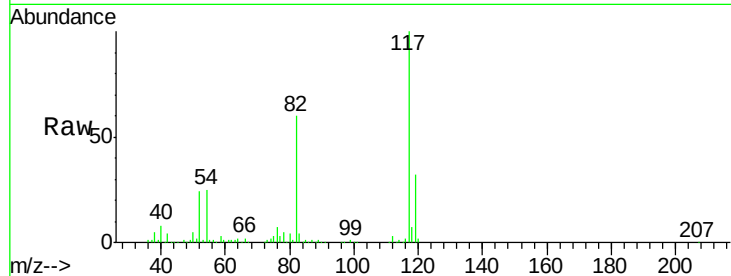
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058053.D
Acq: 14 Sep 2019 6:00

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD04

Tot Ion	Ratio	Resp	Lower	Upper
117	100	496193		
82	60.2	47.2	70.8	
119	31.9	25.3	37.9	

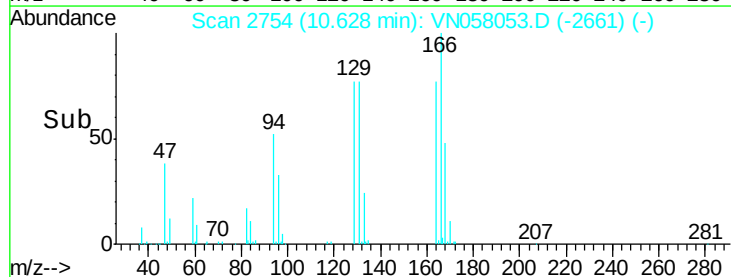
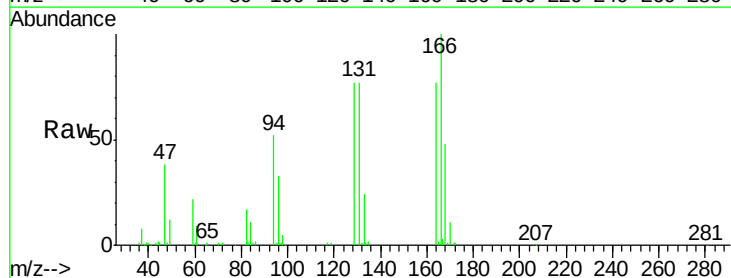
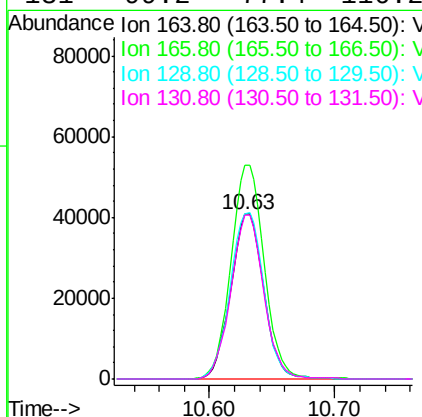
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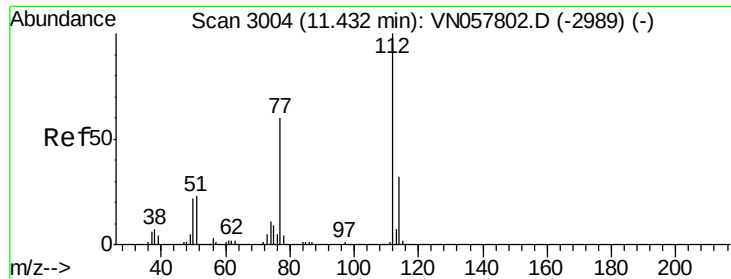
MMDadoda
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#64
Tetrachloroethene
Concen: 20.430 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058053.D
Acq: 14 Sep 2019 6:00

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	74847		
166	129.6	102.2	153.2	
129	99.9	80.8	121.2	
131	99.2	77.4	116.2	





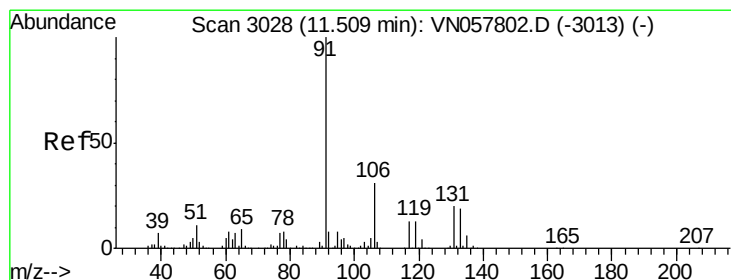
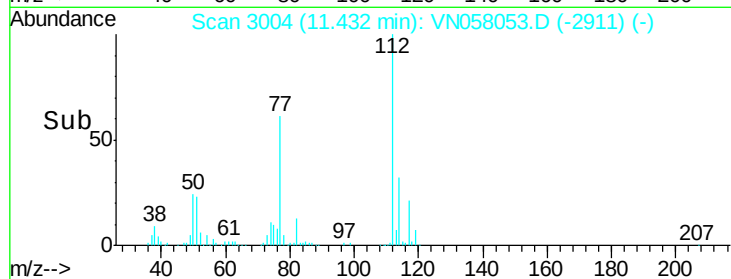
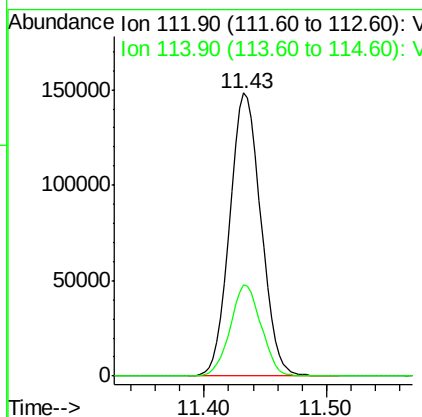
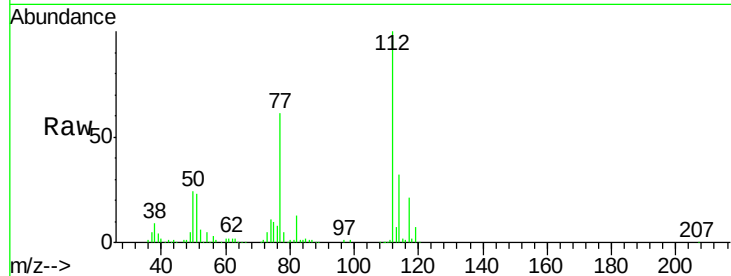
#65
Chlorobenzene
Concen: 20.389 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058053.D
Acq: 14 Sep 2019 6:00

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD04

Tot Ion:112 Resp: 264763
Ion Ratio Lower Upper
112 100
114 32.2 25.2 37.8

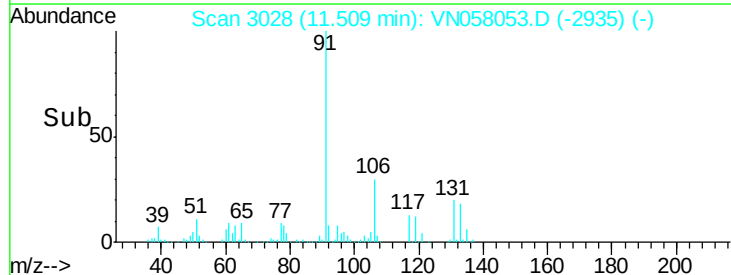
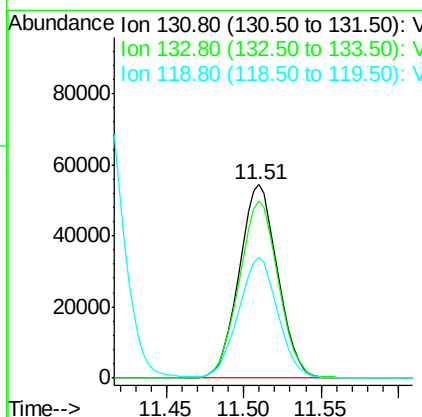
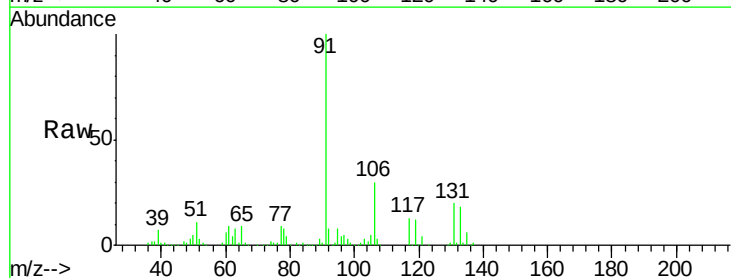
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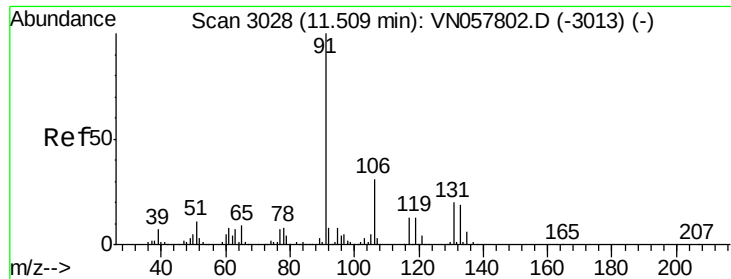
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.898 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058053.D
Acq: 14 Sep 2019 6:00

Tgt Ion:131 Resp: 94164
Ion Ratio Lower Upper
131 100
133 93.2 47.1 141.3
119 63.9 33.3 99.8





#67

Ethyl Benzene

Concen: 20.609 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058053.D

Acq: 14 Sep 2019 6:00

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD04

Tot Ion: 91 Resp: 469018

Ion Ratio Lower Upper

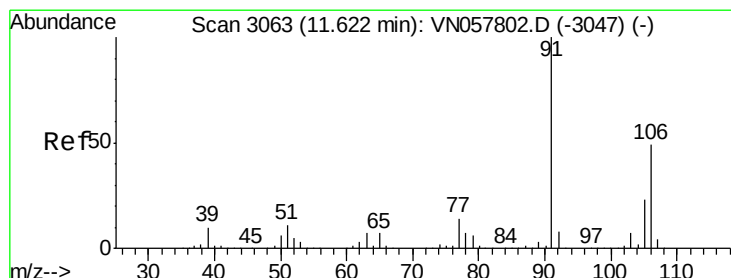
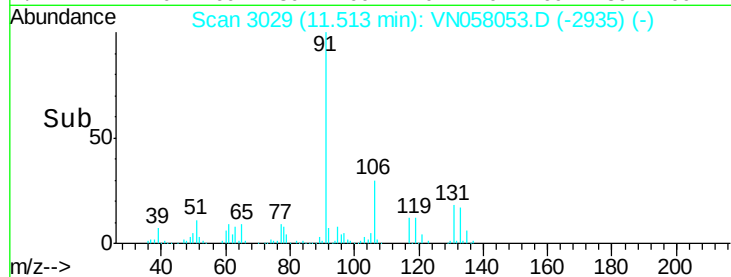
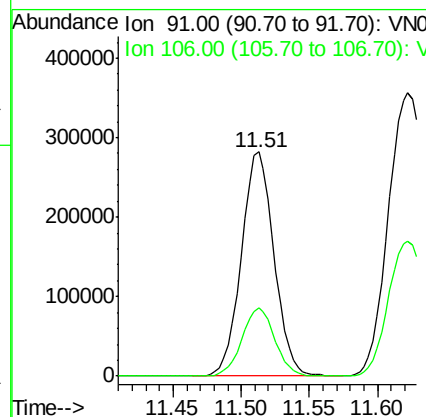
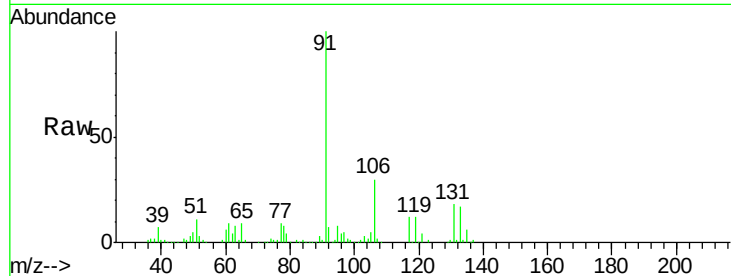
91 100

106 30.2 24.4 36.6

Manual Integrations
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#68

m/p-Xylenes

Concen: 40.387 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058053.D

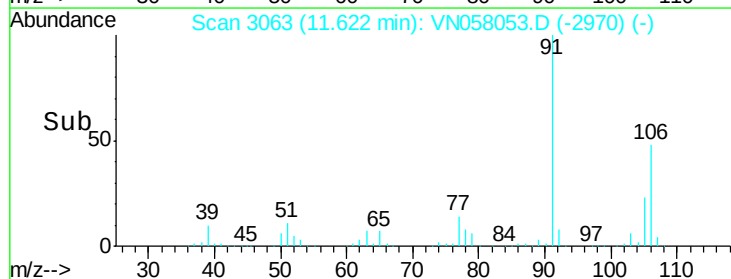
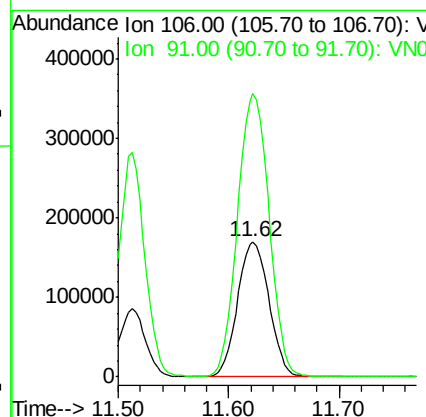
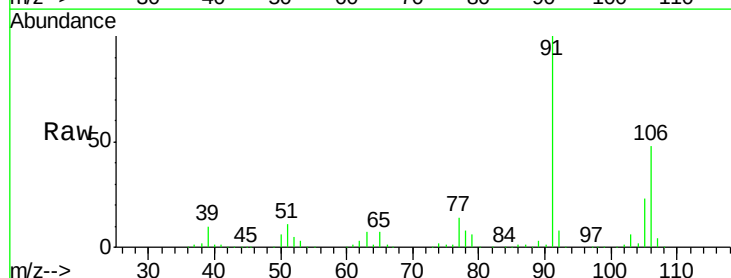
Acq: 14 Sep 2019 6:00

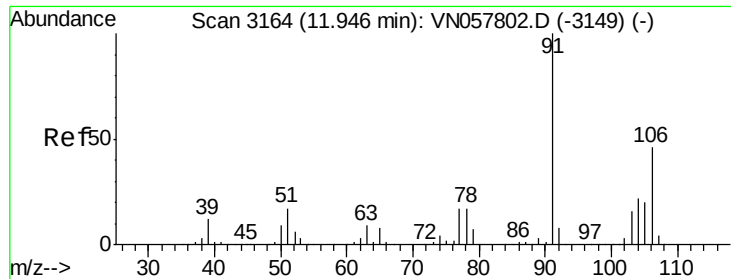
Tgt Ion: 106 Resp: 336680

Ion Ratio Lower Upper

106 100

91 210.0 165.8 248.6





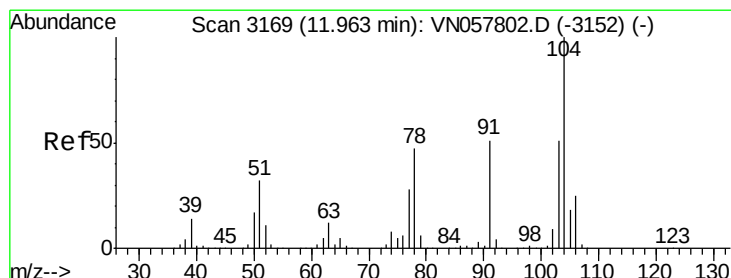
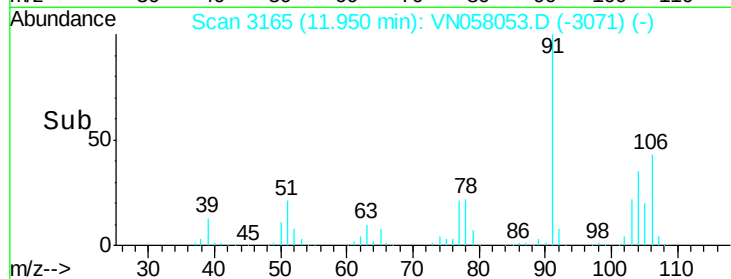
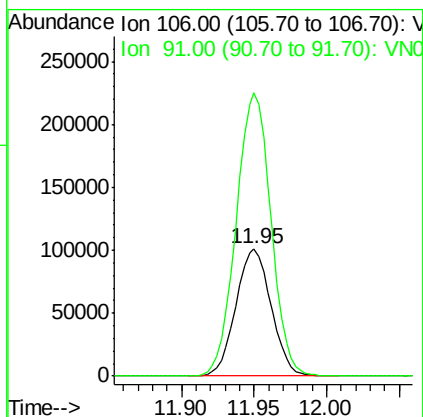
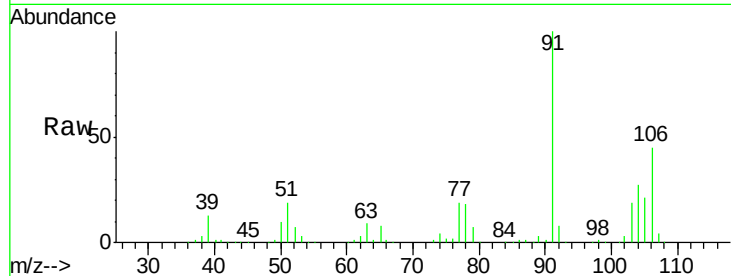
#69
o-Xylene
Concen: 20.663 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058053.D
Acq: 14 Sep 2019 6:00

Instrument :
MSVOA_N
ClientSampled :
VN0914WBSD04

Tot Ion:106 Resp: 171241
Ion Ratio Lower Upper
106 100
91 219.3 108.7 326.1

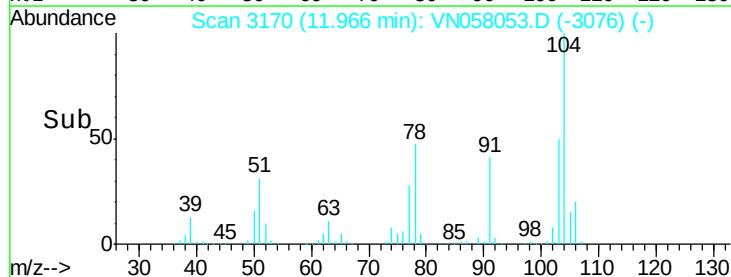
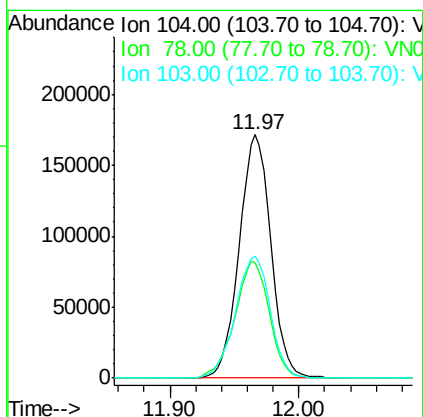
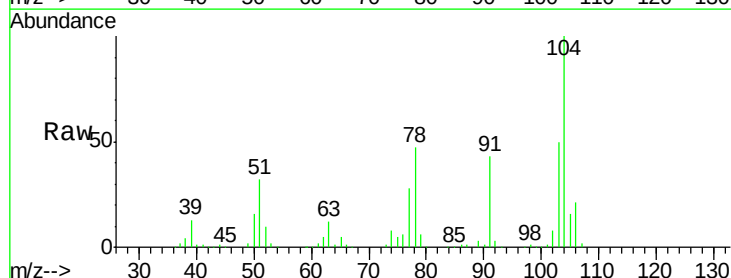
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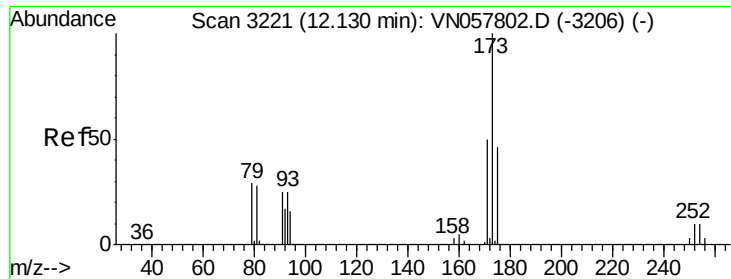
MMDadoda
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#70
Styrene
Concen: 20.591 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058053.D
Acq: 14 Sep 2019 6:00

Tgt Ion:104 Resp: 293676
Ion Ratio Lower Upper
104 100
78 52.1 41.3 61.9
103 55.1 43.7 65.5





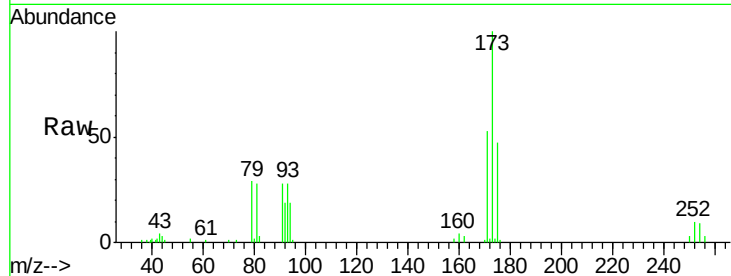
#71
Bromoform
Concen: 18.836 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058053.D
Acq: 14 Sep 2019 6:00

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD04

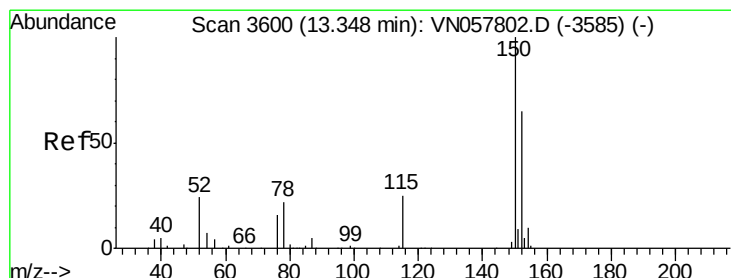
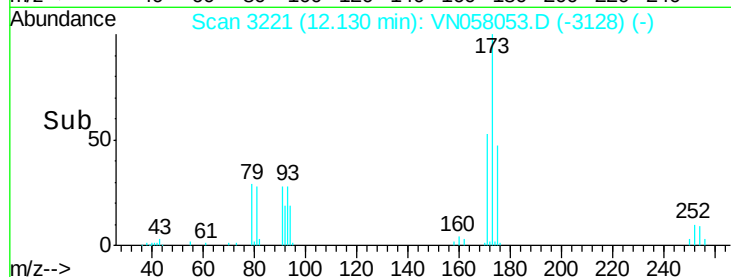
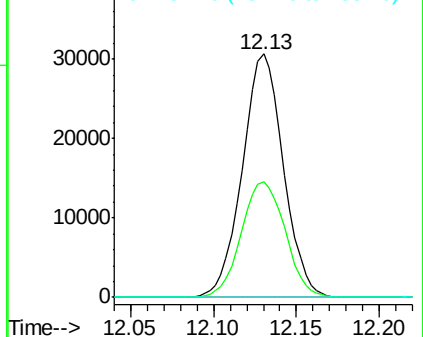
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.6	23.5	70.6
254	0.0	0.1	0.1#

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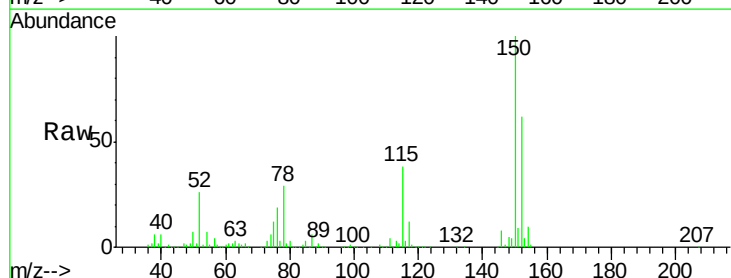


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

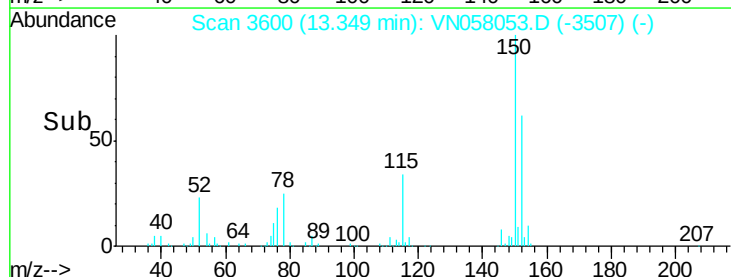
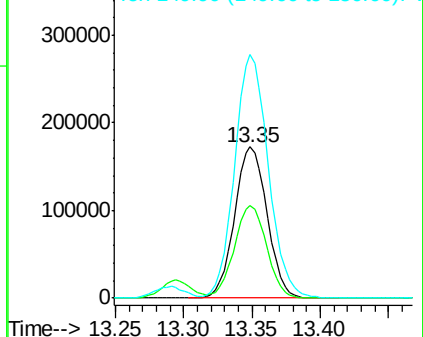


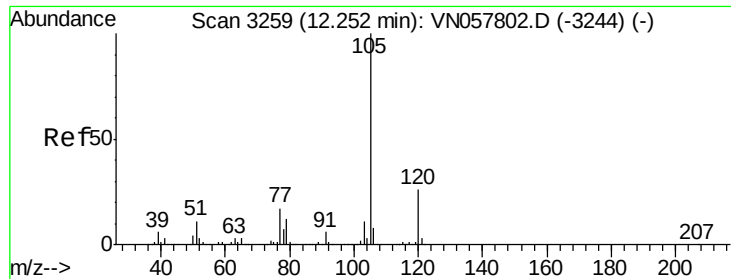
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058053.D
Acq: 14 Sep 2019 6:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.0	30.3	91.0
150	167.4	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





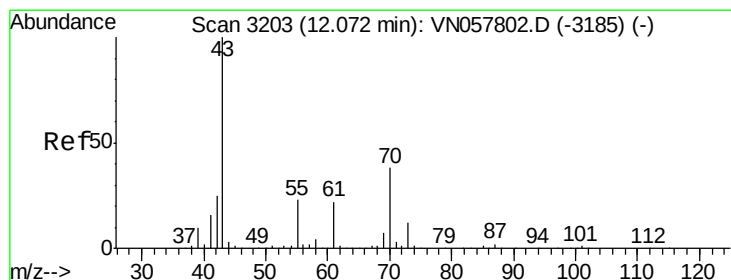
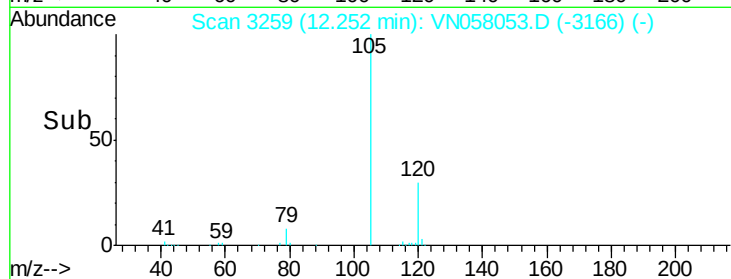
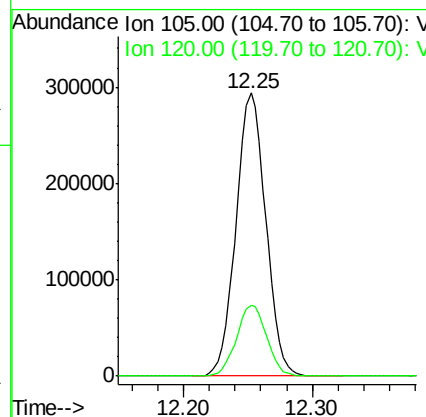
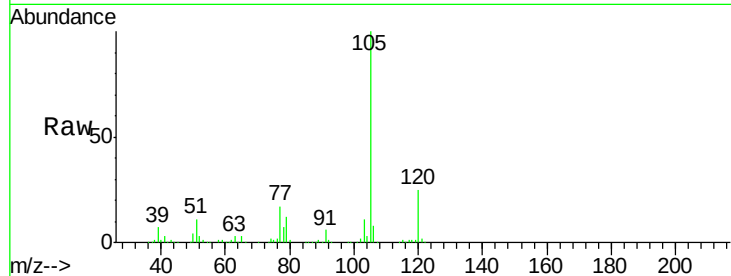
#73
Isopropylbenzene
Concen: 21.319 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN058053.D
Acq: 14 Sep 2019 6:00

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD04

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.8	38.4

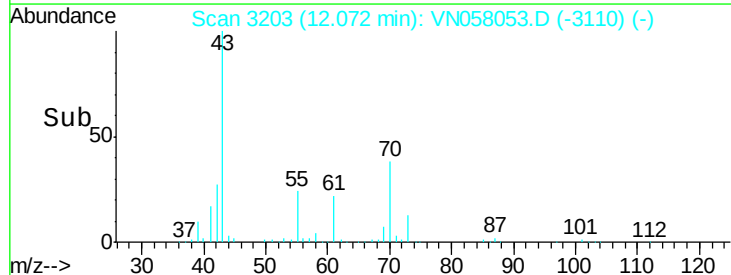
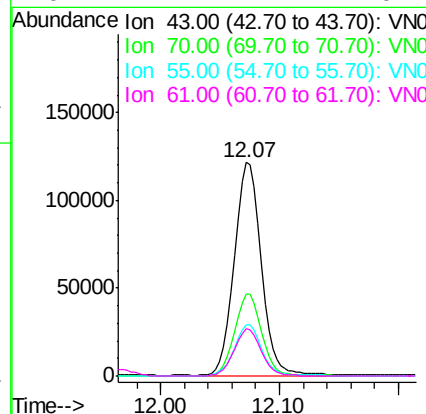
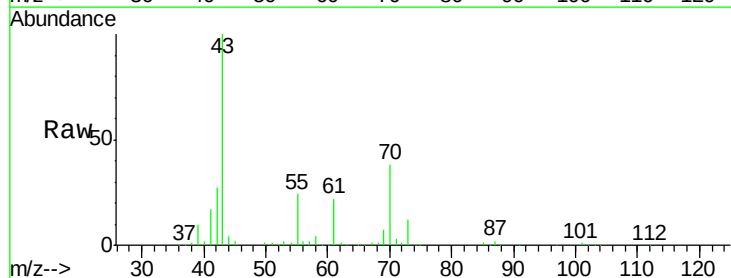
Manual Integrations
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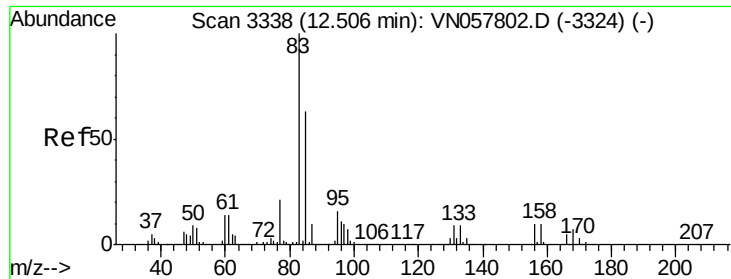
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#74
N-ethyl acetate
Concen: 19.864 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN058053.D
Acq: 14 Sep 2019 6:00

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.6	30.6	45.8
55	24.5	18.6	27.8
61	22.2	17.4	26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.406 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058053.D

Acq: 14 Sep 2019 6:00

Instrument :

MSVOA_N

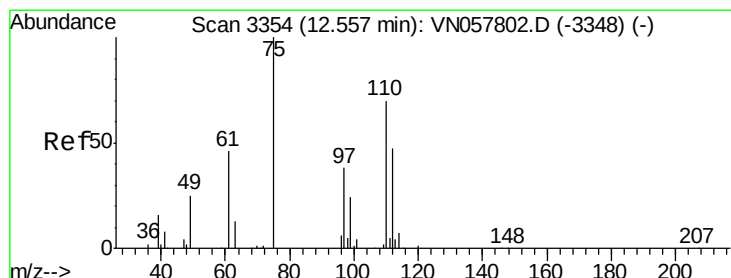
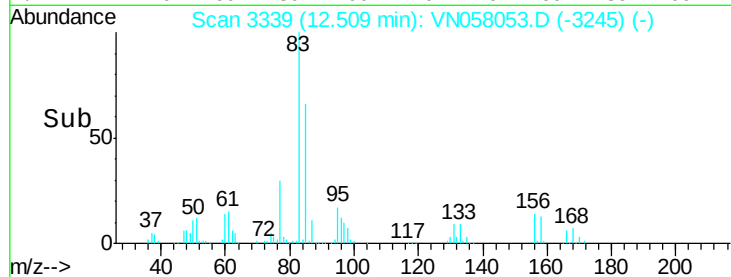
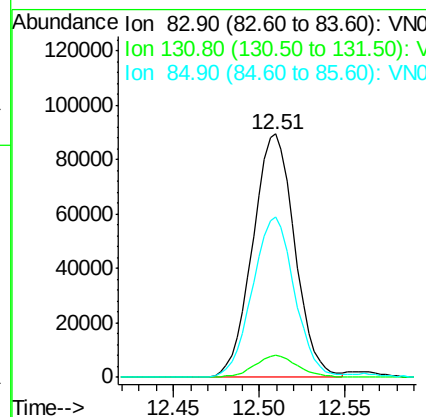
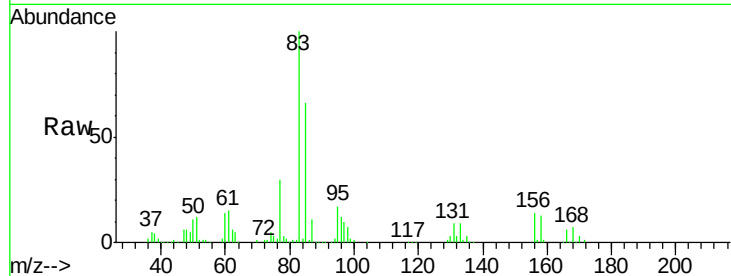
ClientSampleId :

VN0914WBSD04

Tot Ion:	83	Resp:	151802
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.8	14.3
85	65.8	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.715 ug/l m

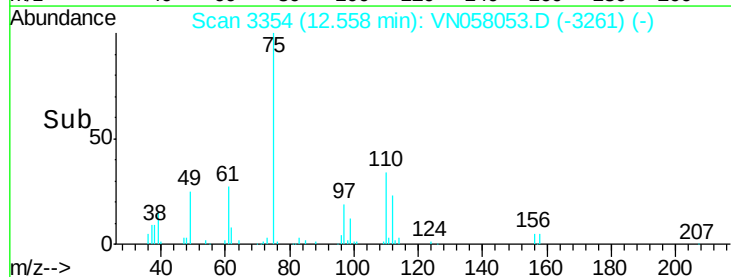
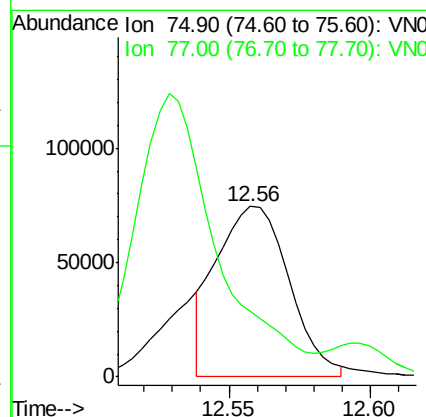
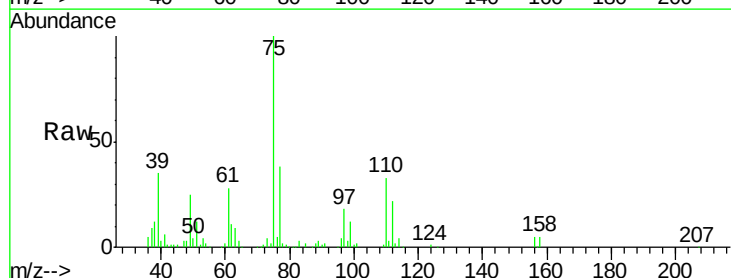
RT: 12.56 min Scan# 3354

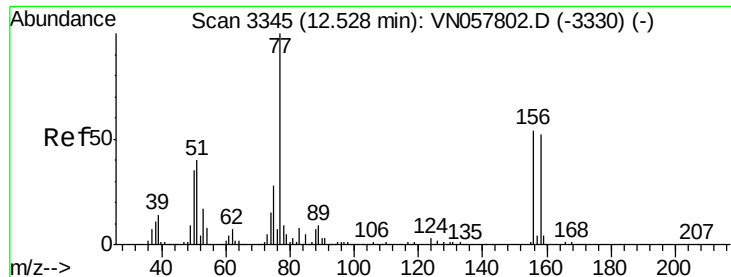
Delta R.T. 0.00 min

Lab File: VN058053.D

Acq: 14 Sep 2019 6:00

Tgt Ion:	75	Resp:	133430
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.267 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058053.D

Acq: 14 Sep 2019 6:00

Instrument :

MSVOA_N

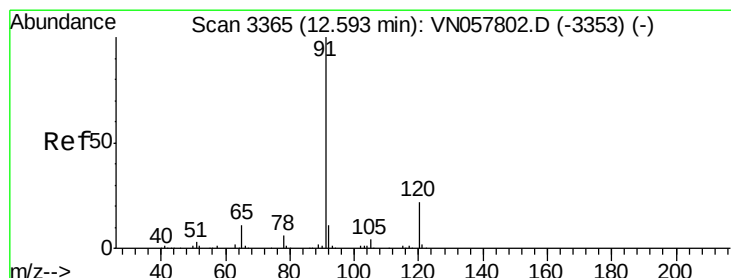
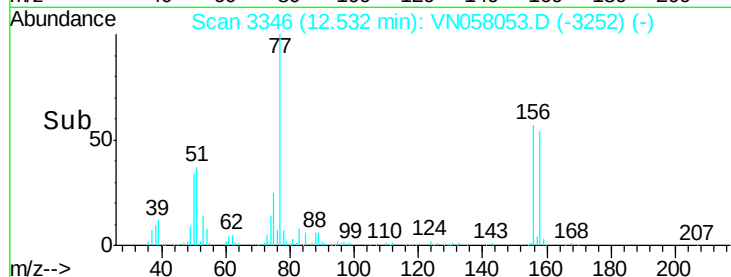
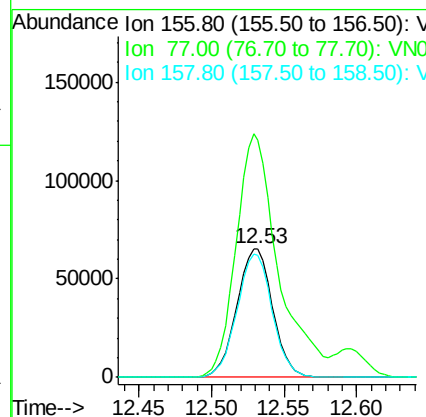
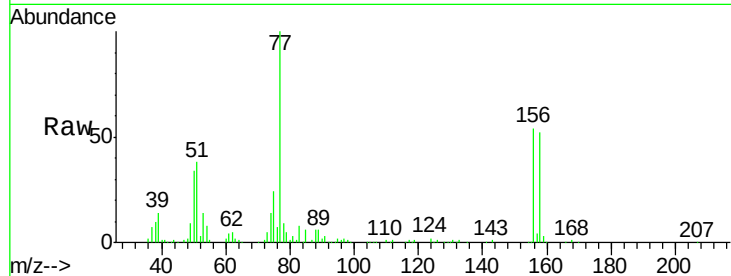
ClientSampleId :

VN0914WBSD04

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	223.9	113.7	341.1		
158	94.8	48.5	145.6		

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#78

n-propylbenzene

Concen: 21.622 ug/l

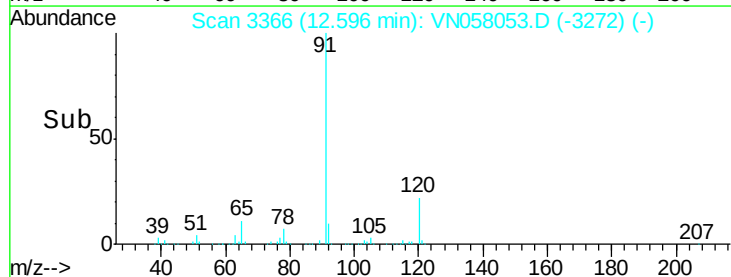
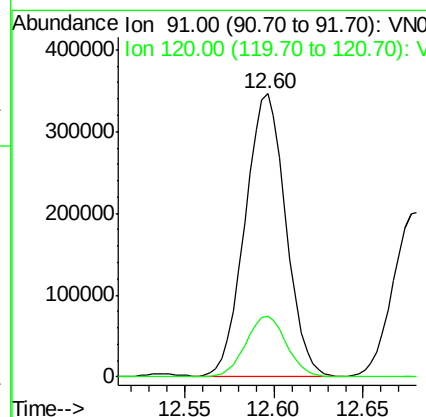
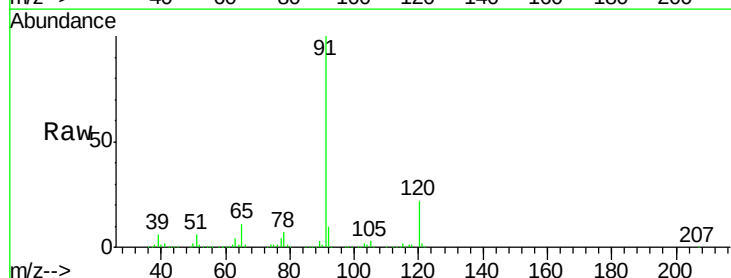
RT: 12.60 min Scan# 3366

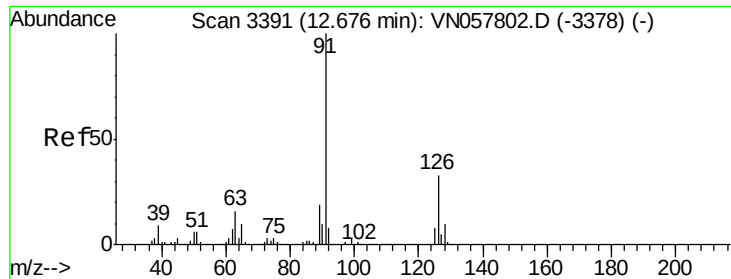
Delta R.T. 0.00 min

Lab File: VN058053.D

Acq: 14 Sep 2019 6:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	21.5	11.1	33.1		





#79

2-Chlorotoluene

Concen: 20.632 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058053.D

Acq: 14 Sep 2019 6:00

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD04

Tot Ion: 91 Resp: 330844

Ion Ratio Lower Upper

91 100

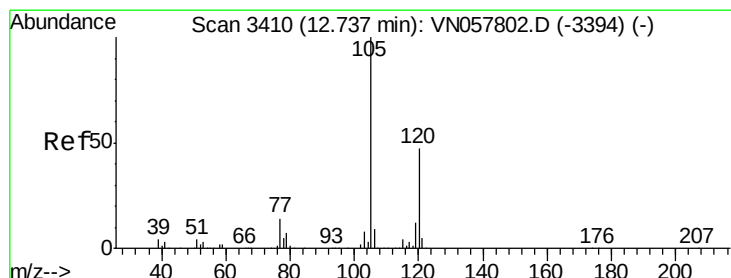
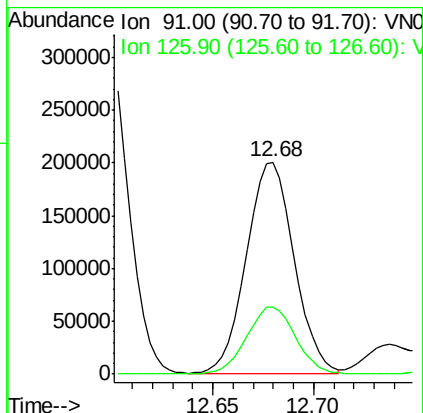
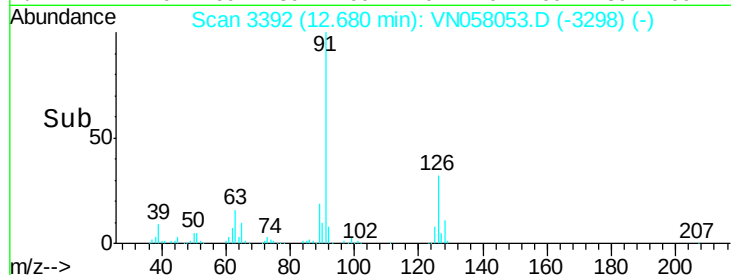
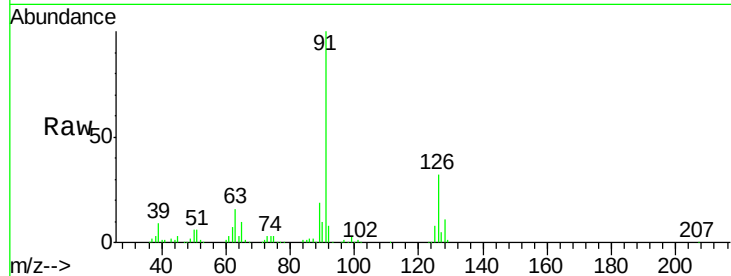
126 32.7 16.4 49.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.605 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058053.D

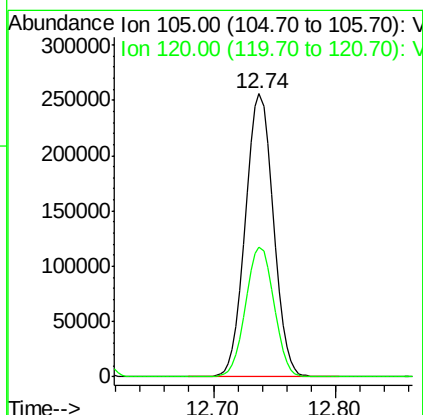
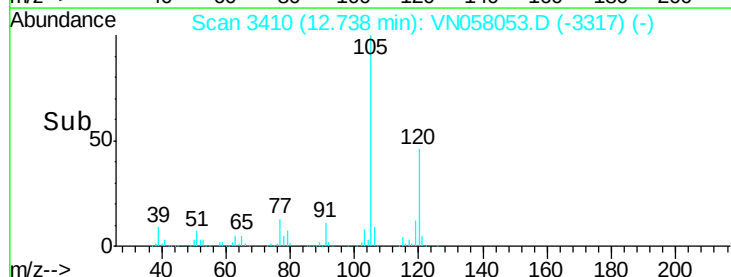
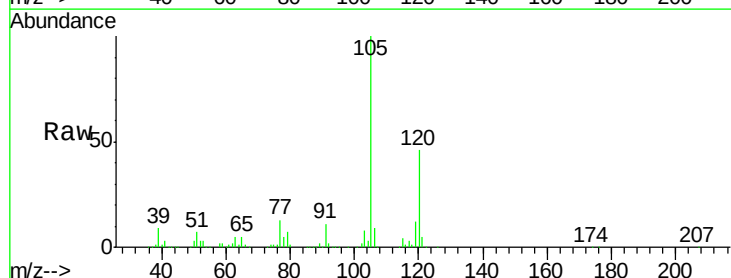
Acq: 14 Sep 2019 6:00

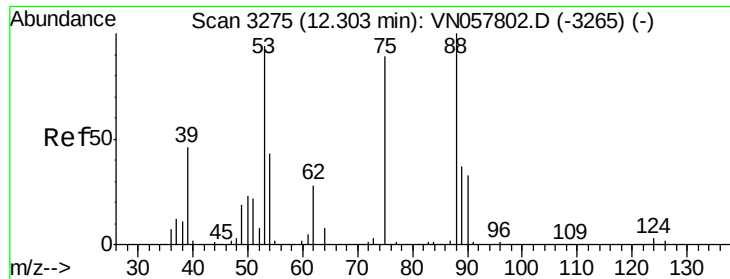
Tgt Ion: 105 Resp: 403328

Ion Ratio Lower Upper

105 100

120 46.5 23.7 71.1





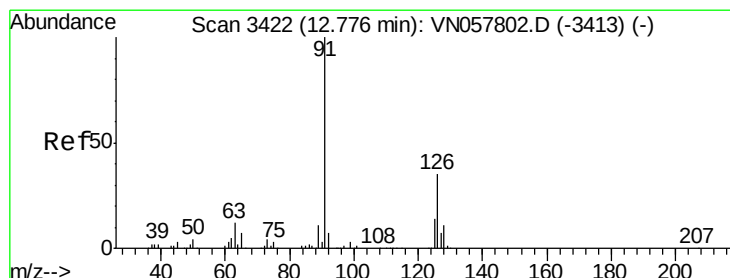
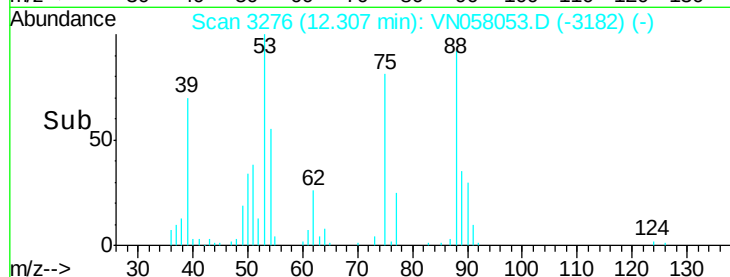
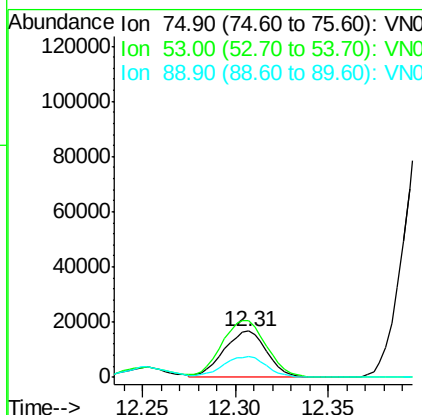
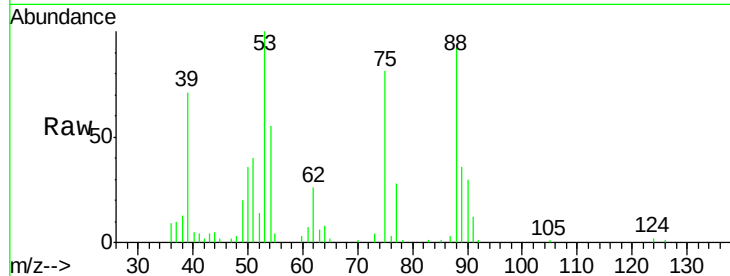
#81
trans-1,4-Dichloro-2-butene
Concen: 15.015 ug/l
RT: 12.31 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN058053.D
Acq: 14 Sep 2019 6:00

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD04

Tot Ion	Ratio	Lower	Upper
75	100		
53	125.6	88.4	132.6
89	45.5	35.3	52.9

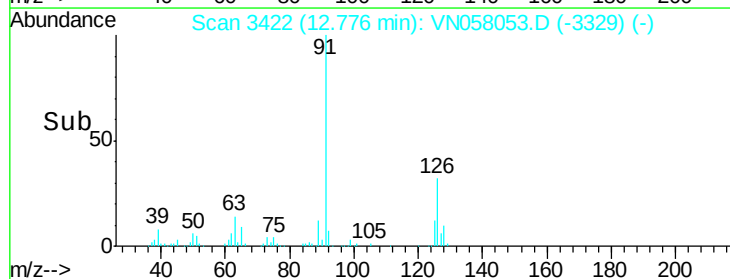
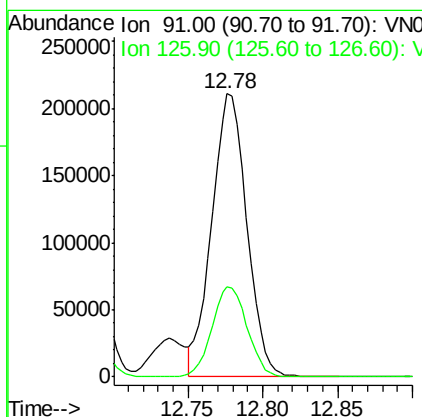
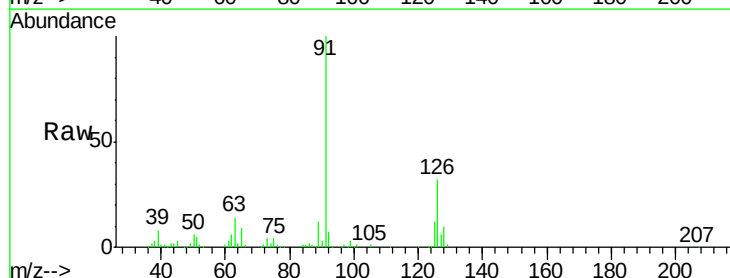
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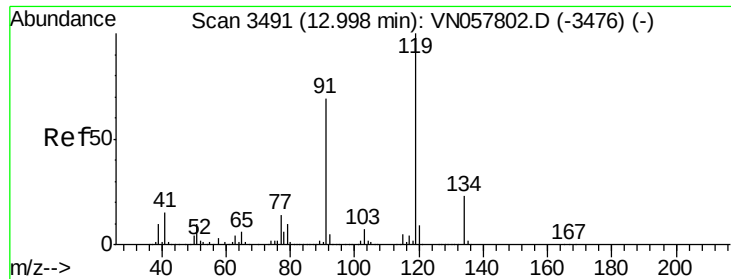
MMDadoda
9/16/2019 2:11:06 PM



#82
4-Chlorotoluene
Concen: 20.838 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058053.D
Acq: 14 Sep 2019 6:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.0	48.0





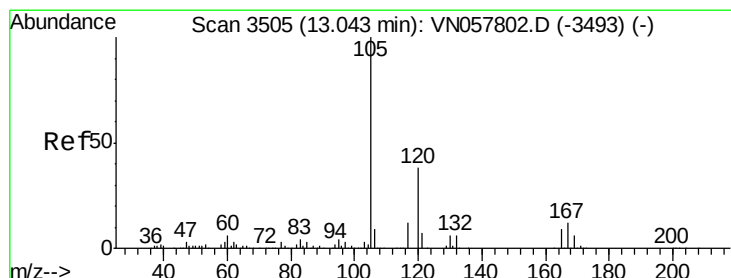
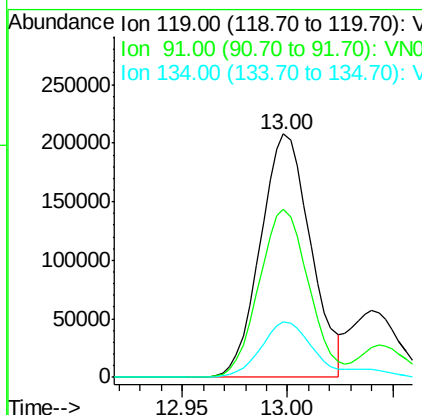
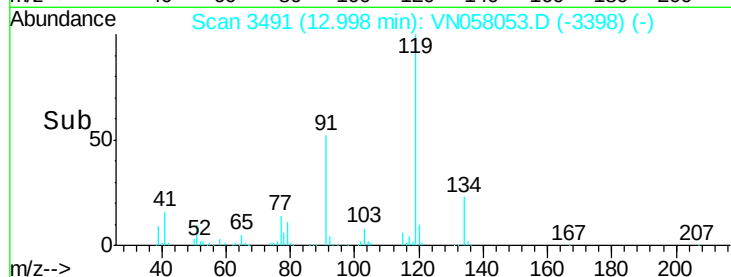
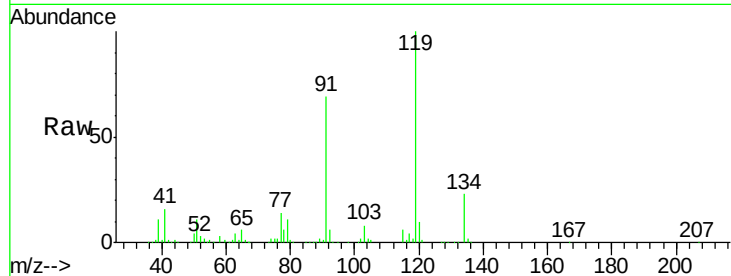
#83
 tert-Butylbenzene
 Concen: 20.781 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058053.D
 Acq: 14 Sep 2019 6:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD04

Tot Ion	Ratio	Resp	Lower	Upper
119	100	344854		
91	68.6	33.6	100.8	
134	23.9	11.7	35.0	

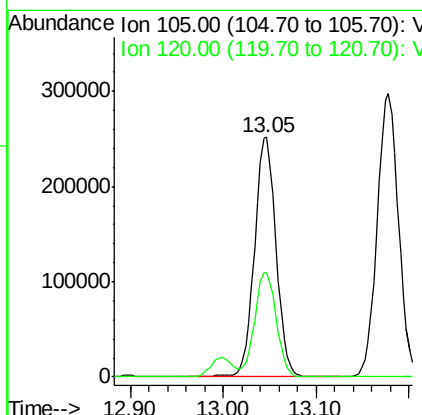
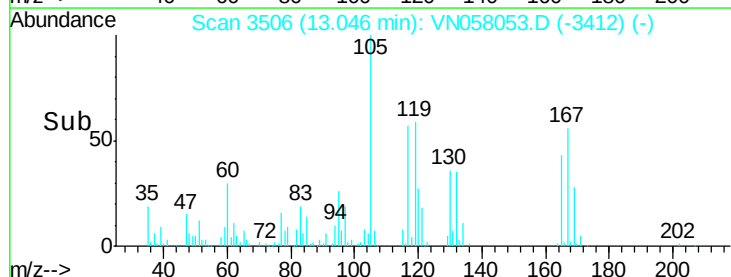
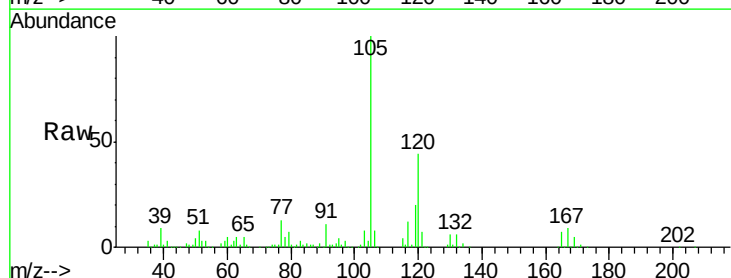
Manual Integrations
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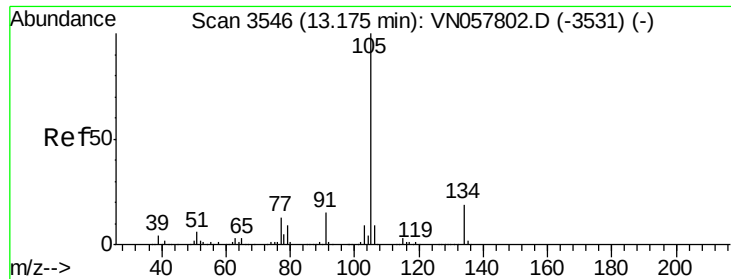
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.337 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058053.D
 Acq: 14 Sep 2019 6:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	404856		
120	43.8	22.4	67.2	





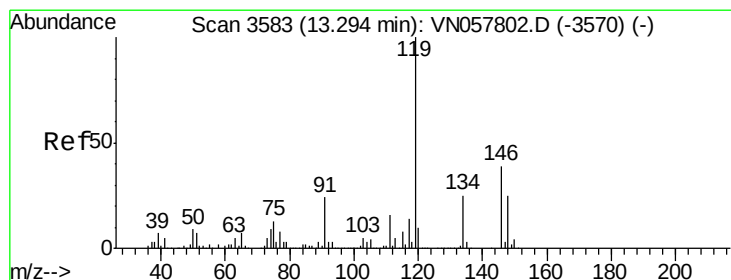
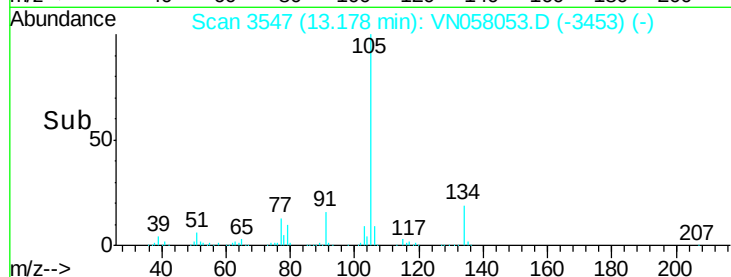
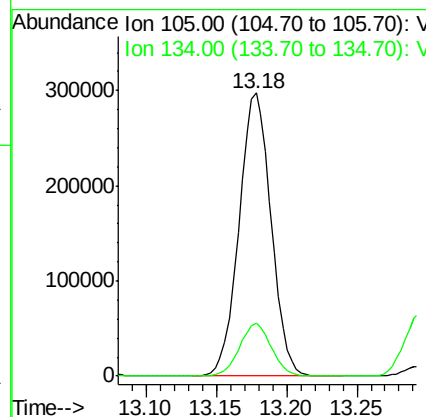
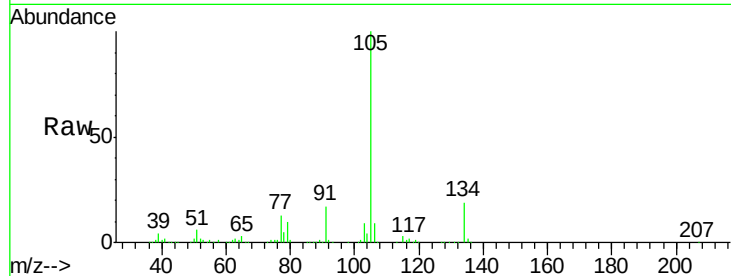
#85
 sec-Butylbenzene
 Concen: 21.498 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058053.D
 Acq: 14 Sep 2019 6:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD04

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.5	9.6	28.6

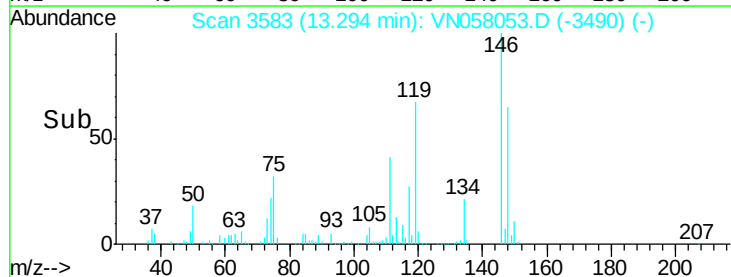
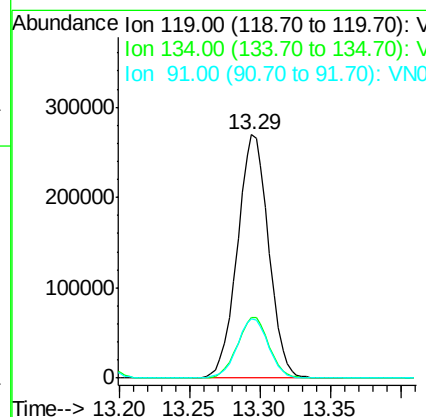
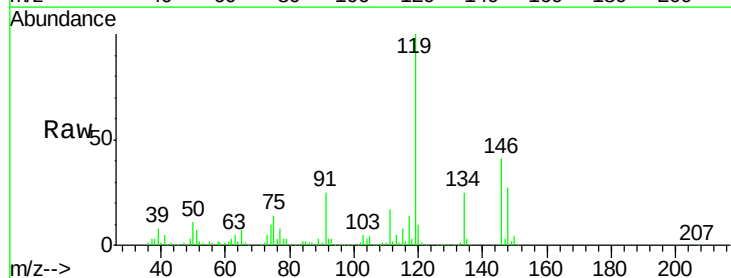
Manual Integrations
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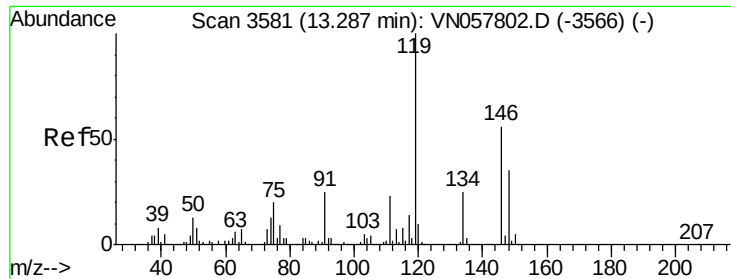
MMDadoda
 9/16/2019 2:11:06 PM



#86
 p-Isopropyltoluene
 Concen: 21.503 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058053.D
 Acq: 14 Sep 2019 6:00

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.5	37.5
91	24.7	12.3	36.8





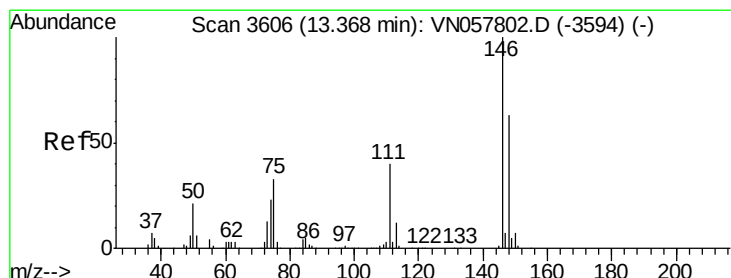
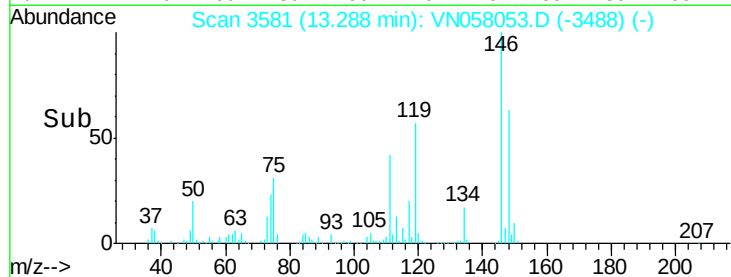
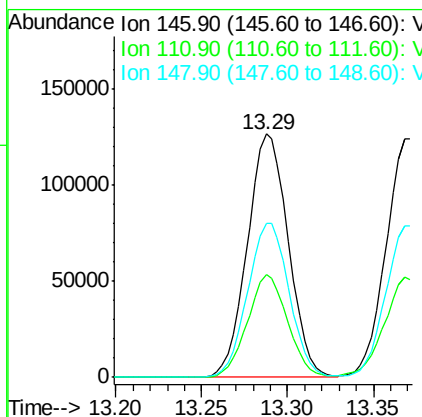
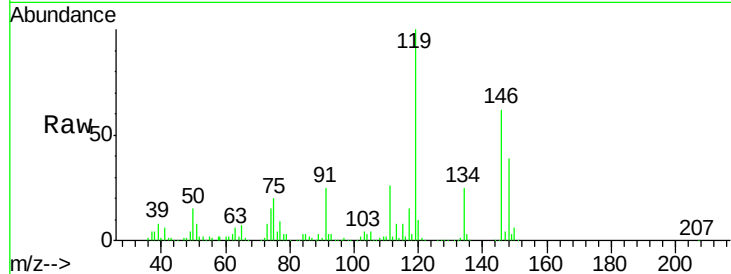
#87
 1,3-Dichlorobenzene
 Concen: 20.691 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058053.D
 Acq: 14 Sep 2019 6:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD04

Tot Ion	Ratio	Resp	Lower	Upper
146	100	209209		
111	41.3	20.5	61.6	
148	64.0	31.5	94.5	

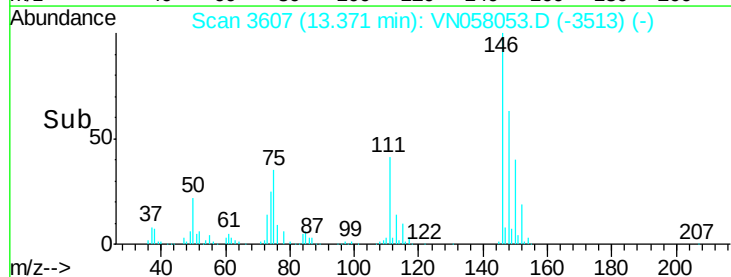
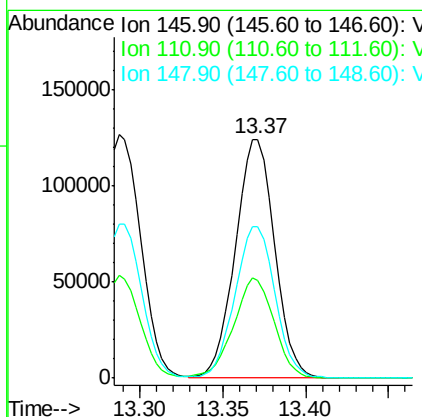
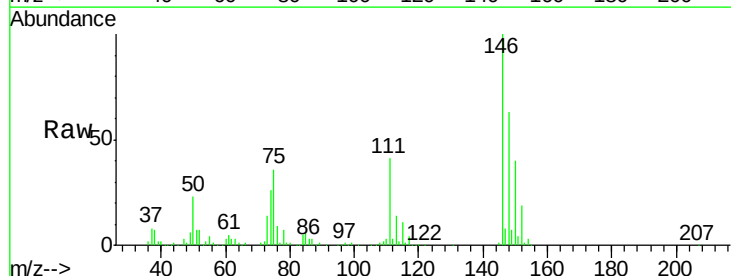
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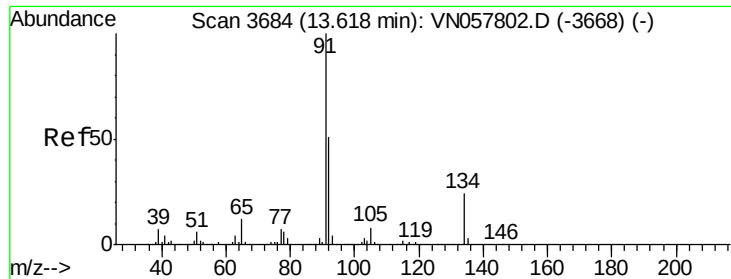
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 9/16/2019 2:11:06 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.914 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058053.D
 Acq: 14 Sep 2019 6:00

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	204389		
111	43.1	20.4	61.2	
148	64.9	31.8	95.4	





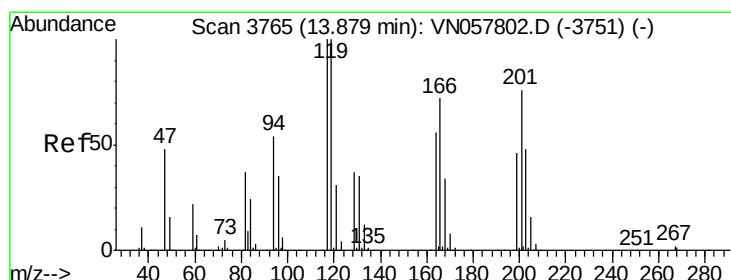
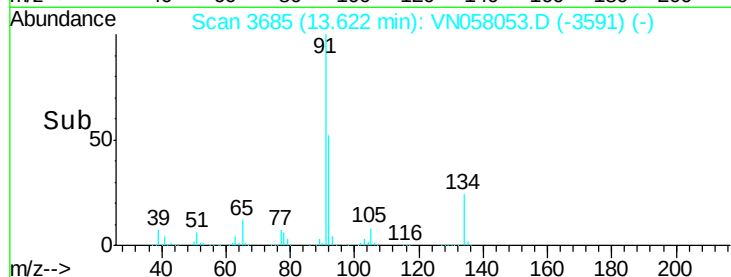
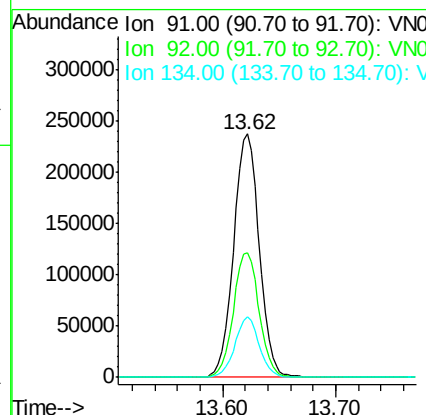
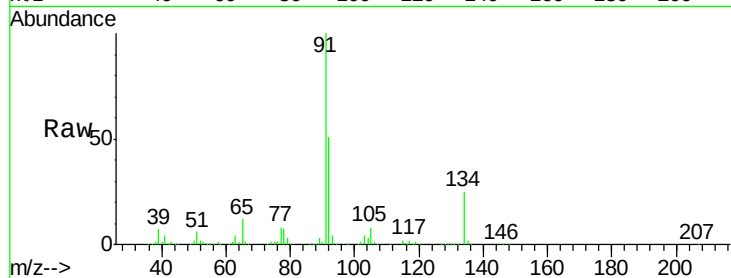
#89
n-Butylbenzene
Concen: 20.424 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058053.D
Acq: 14 Sep 2019 6:00

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD04

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

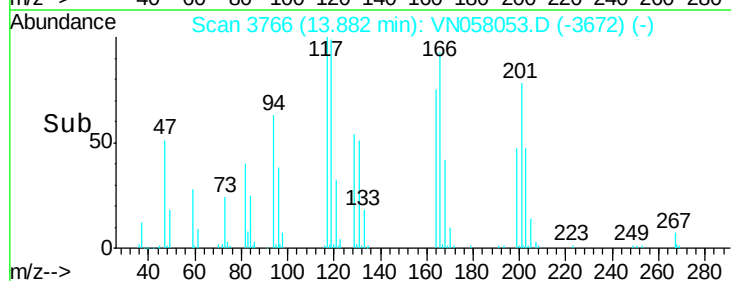
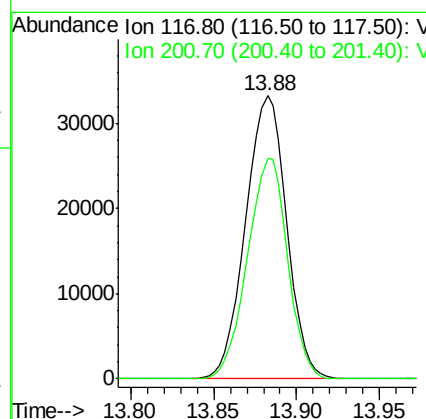
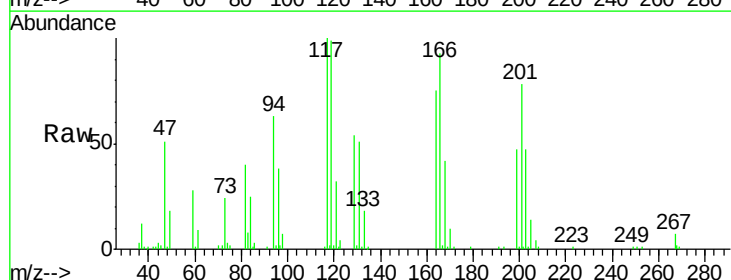
Manual Integrations
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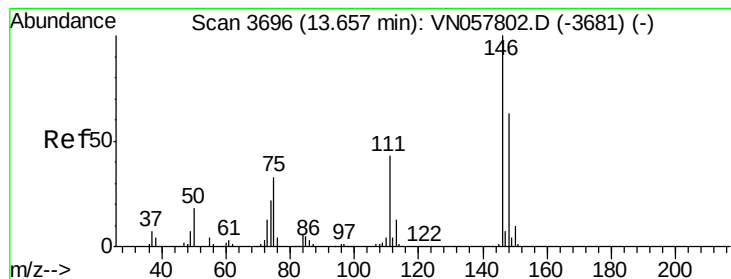
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#90
Hexachloroethane
Concen: 19.861 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058053.D
Acq: 14 Sep 2019 6:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.1	37.5	112.7





#91

1,2-Dichlorobenzene

Concen: 20.685 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058053.D

Acq: 14 Sep 2019 6:00

Instrument :

MSVOA_N

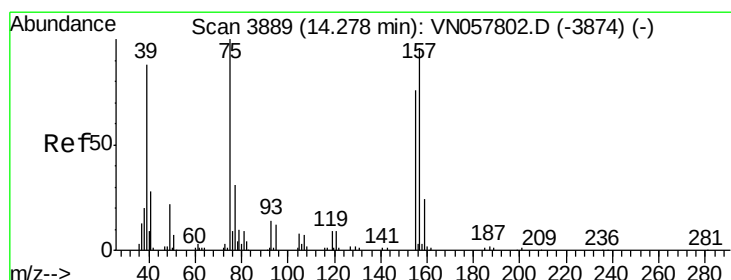
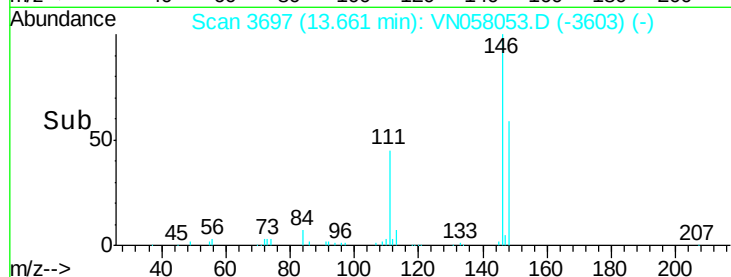
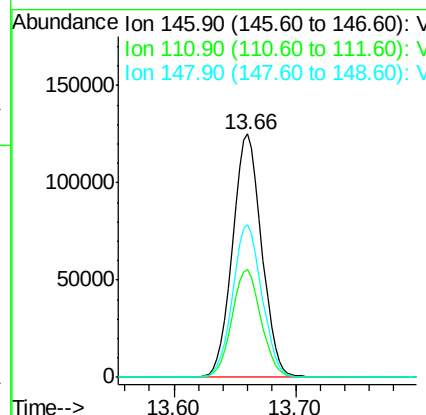
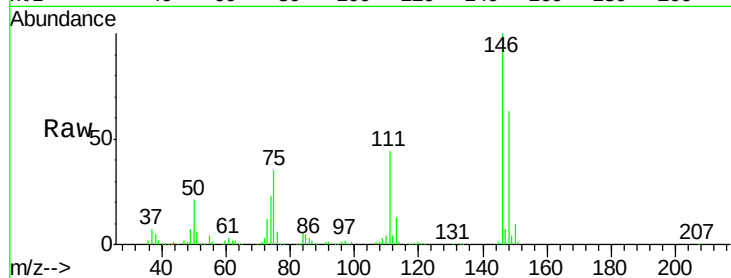
ClientSampleId :

VN0914WBSD04

Tot Ion:	146	Resp:	208947
Ion Ratio		Lower	Upper
146	100		
111	44.3	21.3	63.9
148	62.9	31.4	94.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.324 ug/l

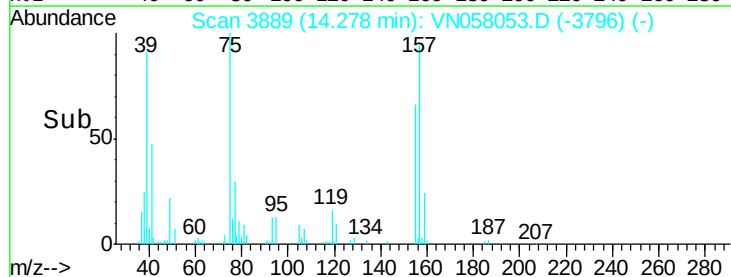
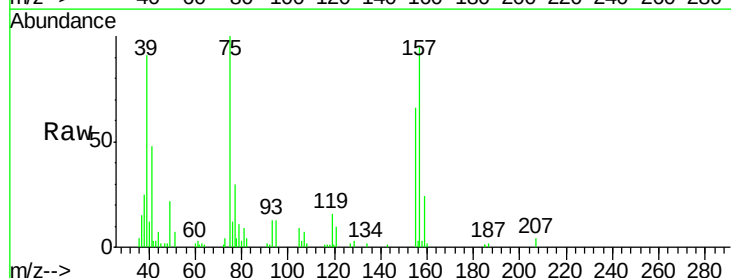
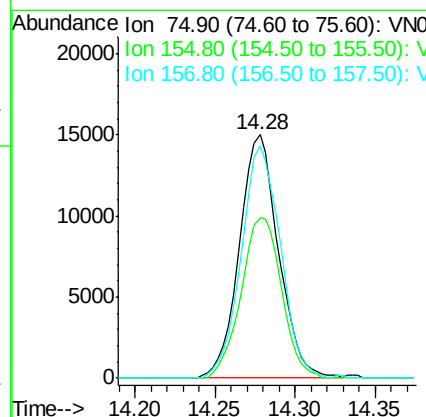
RT: 14.28 min Scan# 3889

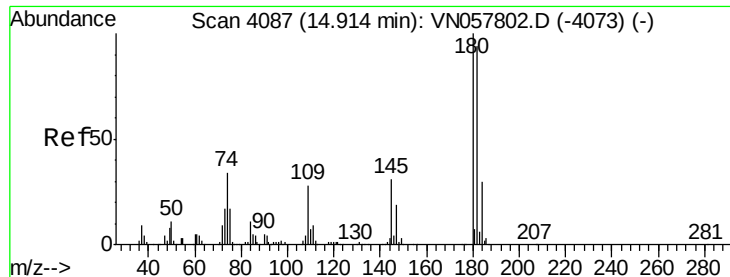
Delta R.T. 0.00 min

Lab File: VN058053.D

Acq: 14 Sep 2019 6:00

Tgt Ion:	75	Resp:	24969
Ion Ratio		Lower	Upper
75	100		
155	67.7	37.3	111.8
157	95.3	47.9	143.8





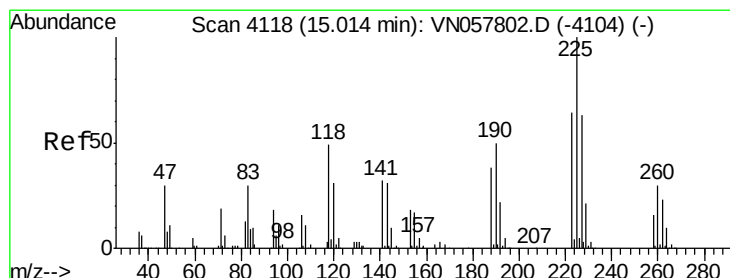
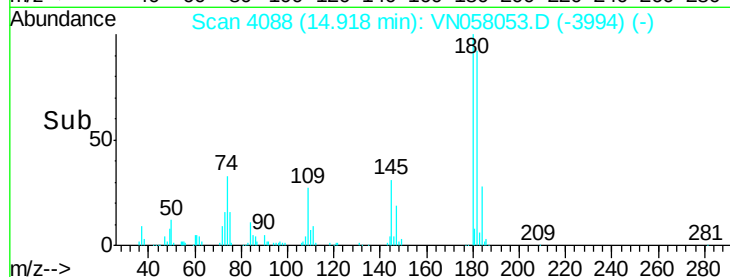
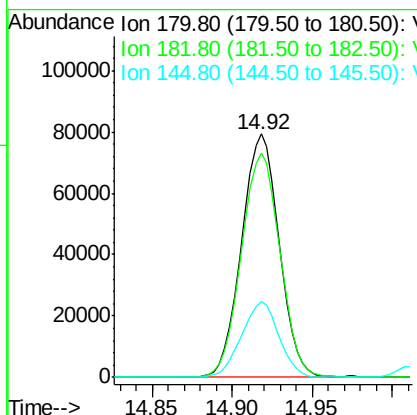
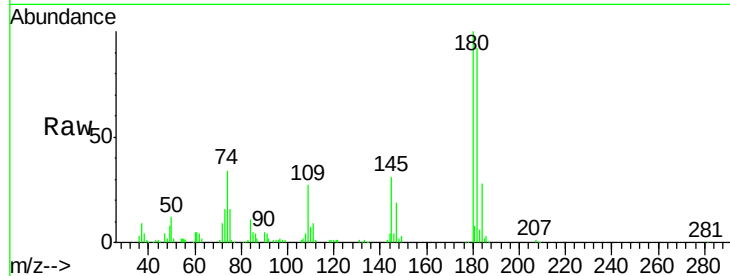
#93
 1,2,4-Trichlorobenzene
 Concen: 19.189 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058053.D
 Acq: 14 Sep 2019 6:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD04

Tot Ion	Ratio	Resp	Lower	Upper
180	100	126695		
182	94.9	46.9	140.8	
145	31.0	14.9	44.7	

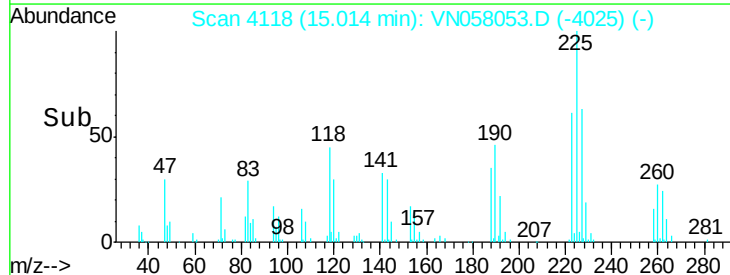
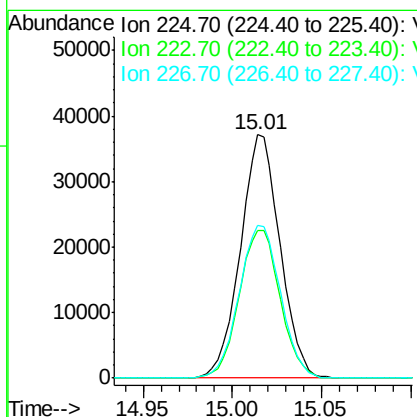
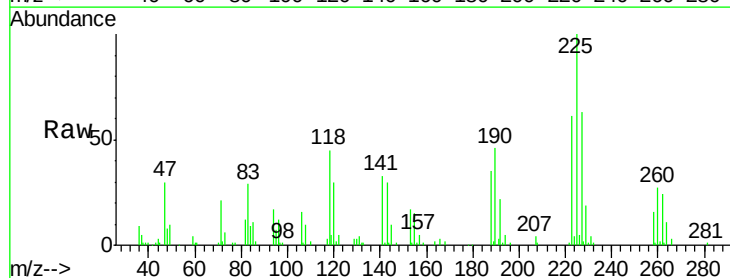
Manual Integrations
 APPROVED

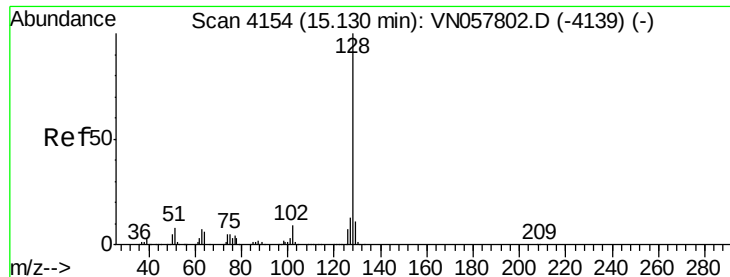
MMDadoda
 9/16/2019 2:11:06 PM



#94
 Hexachlorobutadiene
 Concen: 20.616 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058053.D
 Acq: 14 Sep 2019 6:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	57700		
223	62.9	32.4	97.2	
227	65.4	31.8	95.4	





#95

Naphthalene

Concen: 20.481 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058053.D

Acq: 14 Sep 2019 6:00

Instrument :

MSVOA_N

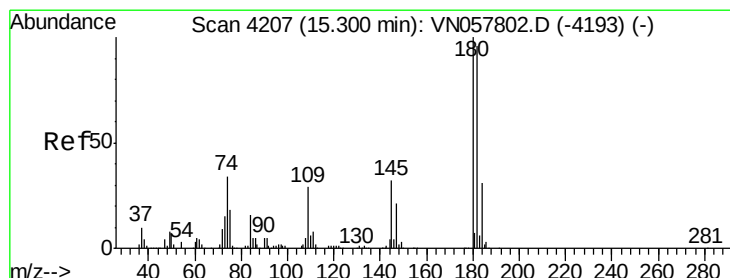
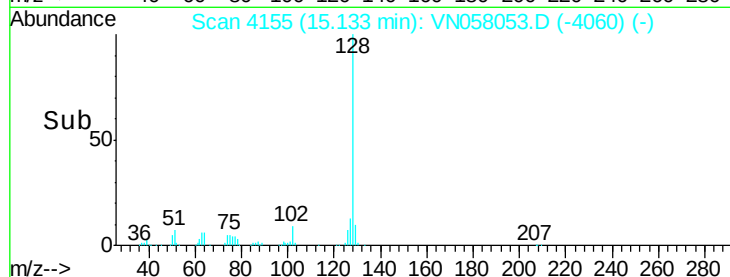
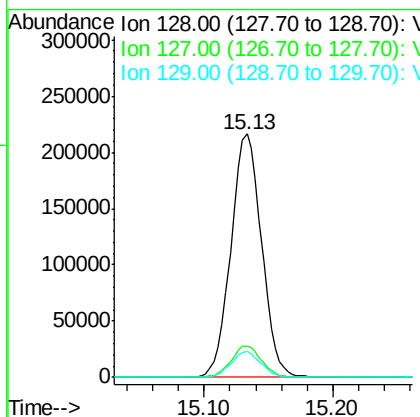
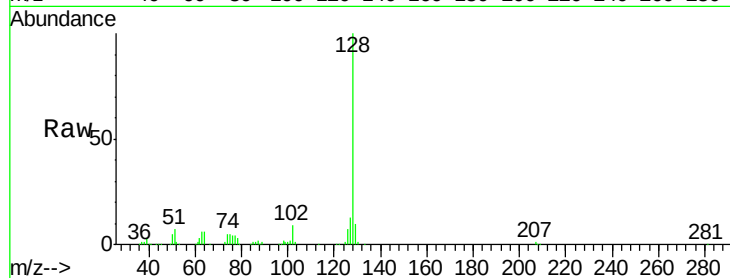
ClientSampleId :

VN0914WBSD04

Tot Ion:	128	Resp:	356848
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	10.4	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/16/2019 2:11:06 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.562 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058053.D

Acq: 14 Sep 2019 6:00

Tgt Ion:	180	Resp:	120944
Ion Ratio	Lower	Upper	
180	100		
182	95.2	48.3	144.8
145	32.2	16.3	48.8

