

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061021\
 Data File : VN067276.D
 Acq On : 10 Jun 2021 17:01
 Operator : JC/MD
 Sample : M2659-01 20X
 Misc : 1.10g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 11 05:40:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061021W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 11 05:27:41 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

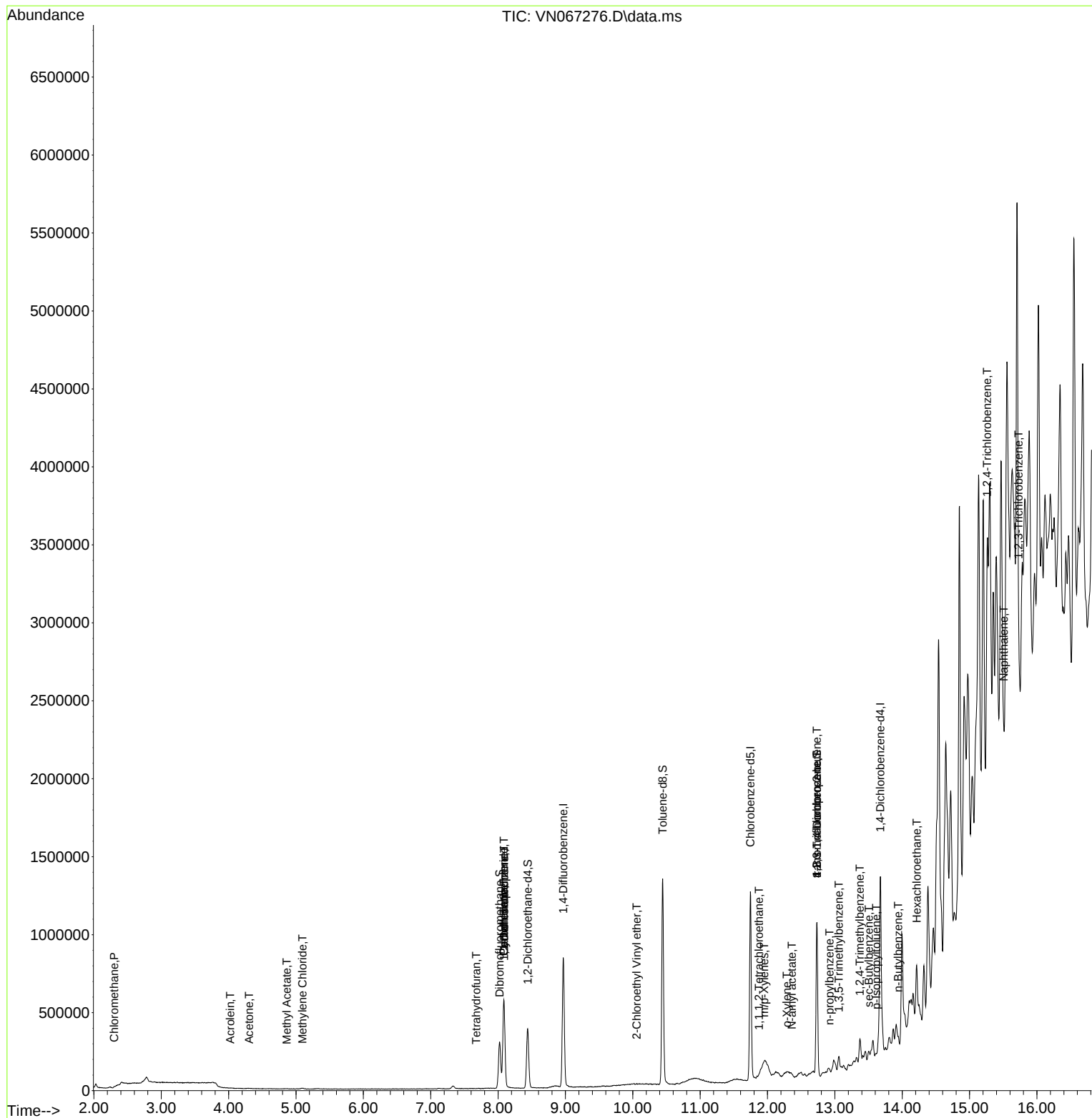
Internal Standards						
1) Pentafluorobenzene	8.086	168	374541	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.968	114	673089	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	630061	50.00	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	273152	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	334164	47.20	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.40%		
35) Dibromofluoromethane	8.021	113	212102	49.45	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.90%		
50) Toluene-d8	10.443	98	866218	51.39	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	102.78%		
62) 4-Bromofluorobenzene	12.733	95	356908	50.88	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	101.76%		
Target Compounds						Qvalue
3) Chloromethane	2.301	50	1609	0.27	ug/l	93
13) Acrolein	4.025	56	853	1.76	ug/l #	39
16) Acetone	4.301	43	1807	0.63	ug/l #	84
18) Methyl Acetate	4.865	43	1631	0.20	ug/l #	68
20) Methylene Chloride	5.095	84	2382	0.46	ug/l #	89
29) Tetrahydrofuran	7.678	42	541	0.22	ug/l #	44
31) Cyclohexane	8.086	56	11648	1.34	ug/l #	40
36) 1,1-Dichloropropene	8.091	75	38480	5.40	ug/l #	49
38) Carbon Tetrachloride	8.086	117	45443	6.11	ug/l #	16
58) 2-Chloroethyl Vinyl ether	10.057	63	318	28.21	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.873	131	1050	0.20	ug/l #	12
68) m/p-Xylenes	11.950	106	3536	0.37	ug/l #	1
69) o-Xylene	12.288	106	2675	0.29	ug/l	51
74) N-amyl acetate	12.361	43	6607	0.52	ug/l #	51
76) 1,2,3-Trichloropropane	12.733	75	207957	28.66	ug/l #	100
78) n-propylbenzene	12.921	91	11089	0.37	ug/l	77
80) 1,3,5-Trimethylbenzene	13.061	105	27418	1.25	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.733	75	207957	73.31	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.369	105	74887	3.48	ug/l	90
85) sec-Butylbenzene	13.503	105	10921	0.43	ug/l	91
86) p-Isopropyltoluene	13.616	119	13751	0.64	ug/l	90
89) n-Butylbenzene	13.940	91	12167	0.62	ug/l #	77
90) Hexachloroethane	14.217	117	4605	1.19	ug/l #	4
93) 1,2,4-Trichlorobenzene	15.263	180	1392	0.31	ug/l #	1
95) Naphthalene	15.507	128	39873	7.05	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.727	180	17214	4.08	ug/l #	14

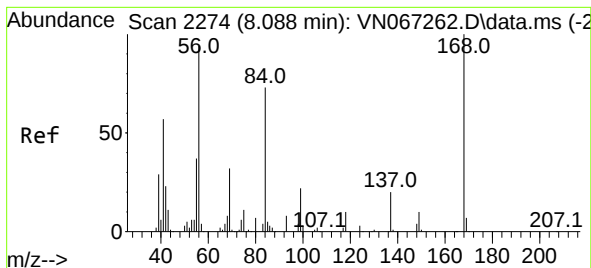
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jun 11 05:27:41 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.002 min

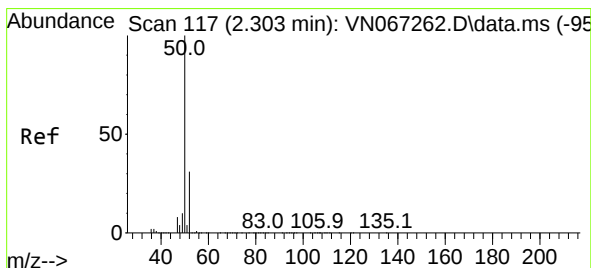
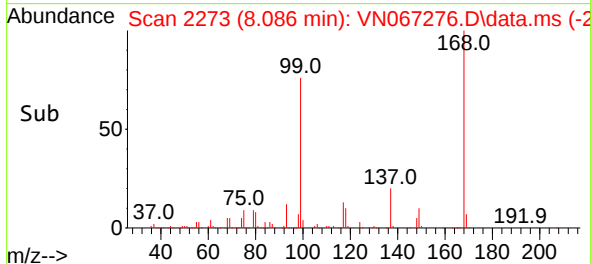
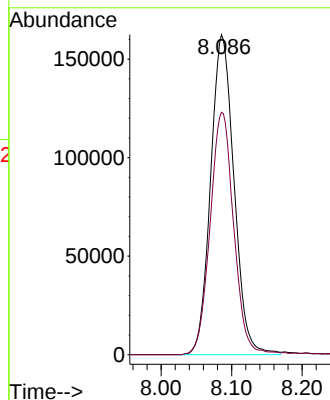
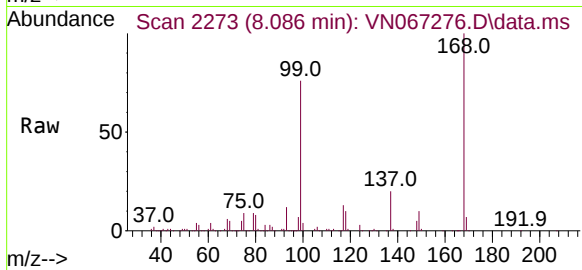
Lab File: VN067276.D

Acq: 10 Jun 2021 17:01

Tgt Ion:168 Resp: 374541

Ion Ratio Lower Upper

168	100		
99	75.7	38.5	57.7#



#3

Chloromethane

Concen: 0.27 ug/l

RT: 2.301 min Scan# 116

Delta R.T. -0.003 min

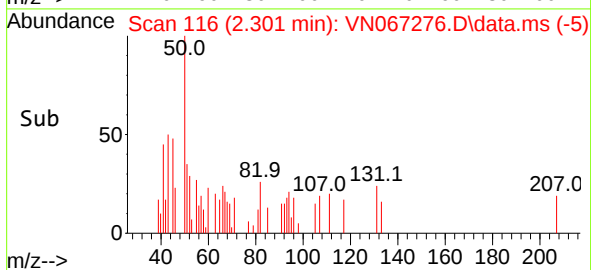
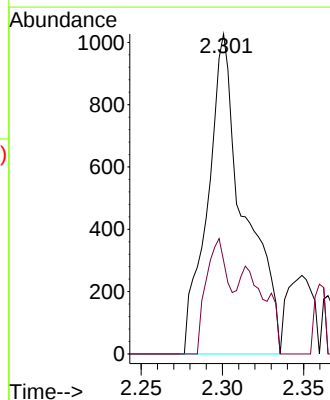
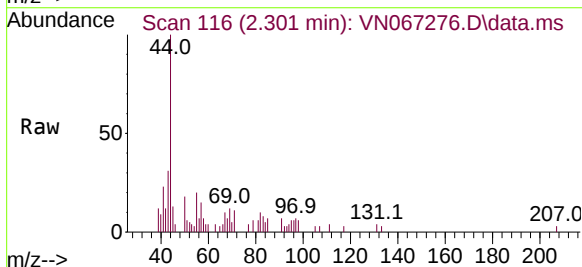
Lab File: VN067276.D

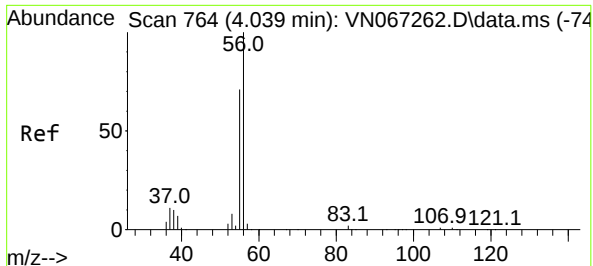
Acq: 10 Jun 2021 17:01

Tgt Ion: 50 Resp: 1609

Ion Ratio Lower Upper

50	100		
52	29.1	26.5	39.7

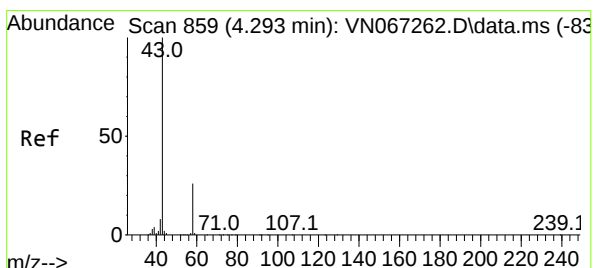
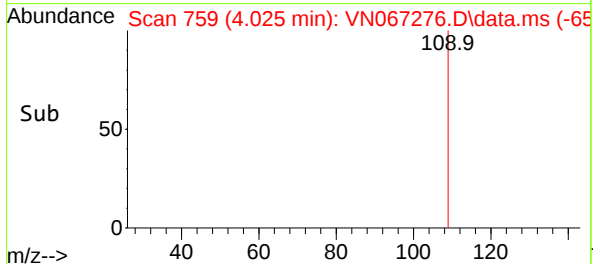
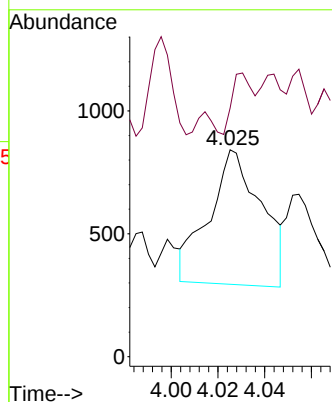
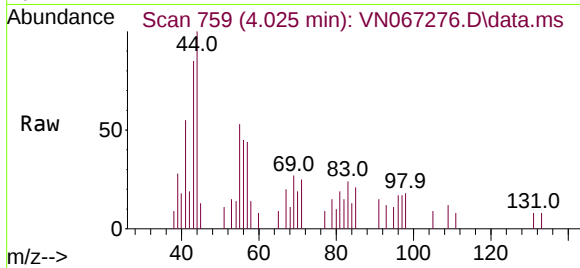




#13
Acrolein
Concen: 1.76 ug/l
RT: 4.025 min Scan# 759
Delta R.T. -0.013 min
Lab File: VN067276.D
Acq: 10 Jun 2021 17:01

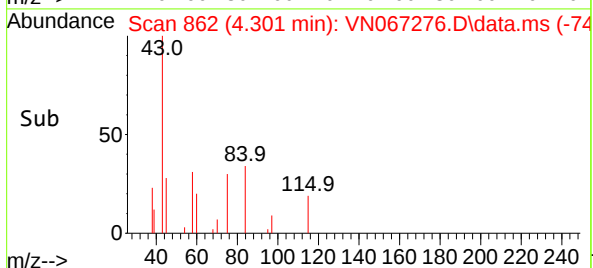
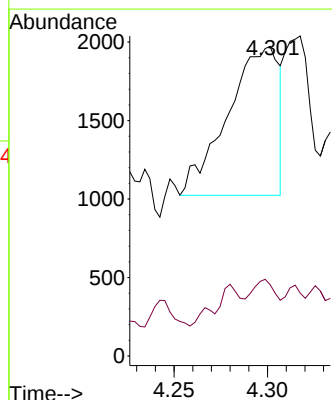
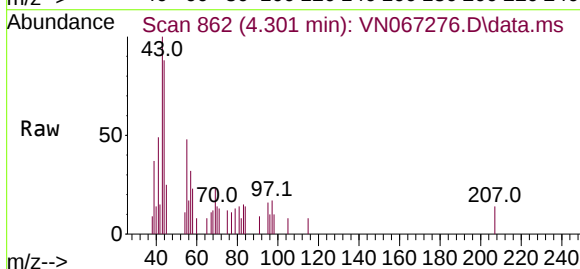
Instrument :
MSVOA_N
ClientSampled :

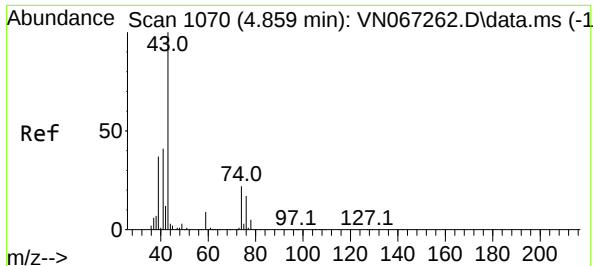
Tgt Ion: 56 Resp: 853
Ion Ratio Lower Upper
56 100
55 18.2 53.8 80.6#



#16
Acetone
Concen: 0.63 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.008 min
Lab File: VN067276.D
Acq: 10 Jun 2021 17:01

Tgt Ion: 43 Resp: 1807
Ion Ratio Lower Upper
43 100
58 24.8 27.2 40.8#





#18

Methyl Acetate

Concen: 0.20 ug/l

RT: 4.865 min Scan# 1072

Delta R.T. 0.005 min

Lab File: VN067276.D

Acq: 10 Jun 2021 17:01

Tgt Ion: 43 Resp: 1631

Ion Ratio Lower Upper

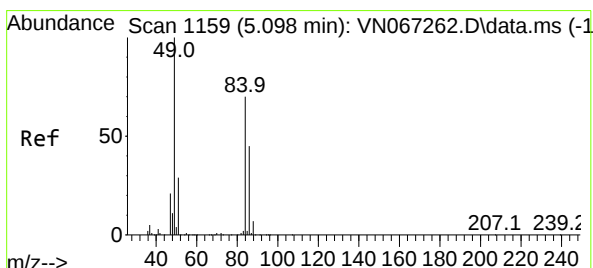
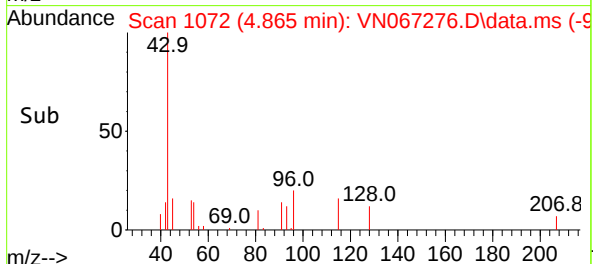
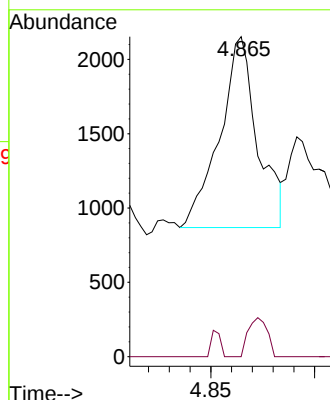
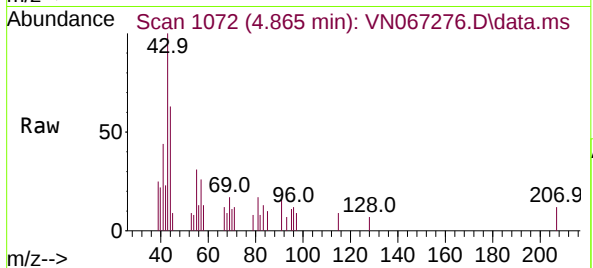
43 100

74 10.2 21.4 32.2#

Instrument :

MSVOA_N

ClientSampled :



#20

Methylene Chloride

Concen: 0.46 ug/l

RT: 5.095 min Scan# 1158

Delta R.T. -0.003 min

Lab File: VN067276.D

Acq: 10 Jun 2021 17:01

Tgt Ion: 84 Resp: 2382

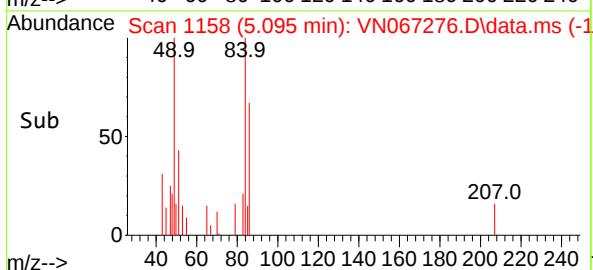
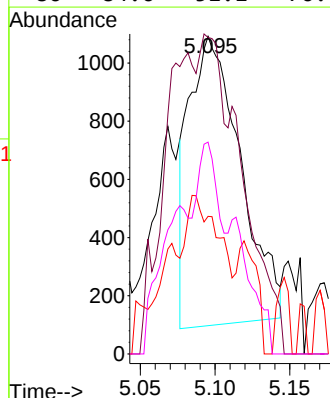
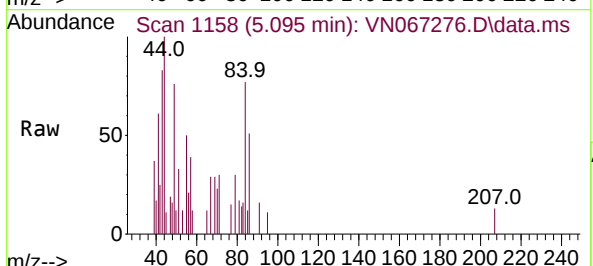
Ion Ratio Lower Upper

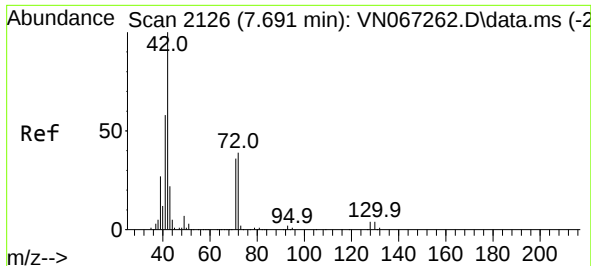
84 100

49 107.5 88.3 132.5

51 28.5 26.7 40.1

86 84.6 51.1 76.7#





#29

Tetrahydrofuran

Concen: 0.22 ug/l

RT: 7.678 min Scan# 2121

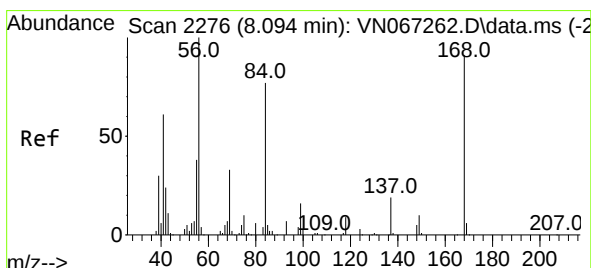
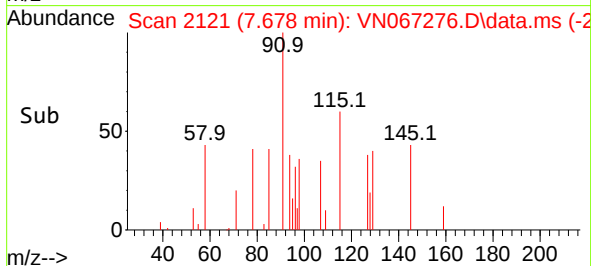
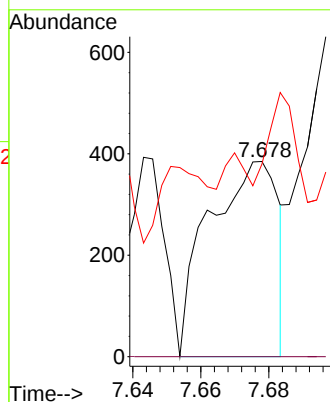
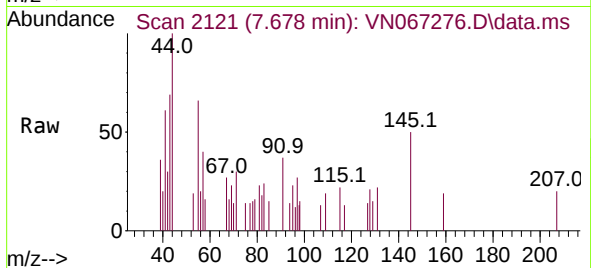
Delta R.T. -0.013 min

Lab File: VN067276.D

Acq: 10 Jun 2021 17:01

Tgt Ion:	42	Resp:	541
Ion	Ratio	Lower	Upper
42	100		
72	0.0	40.1	60.1#
71	21.3	37.9	56.9#

Instrument :
MSVOA_N
ClientSampleId :



#31

Cyclohexane

Concen: 1.34 ug/l

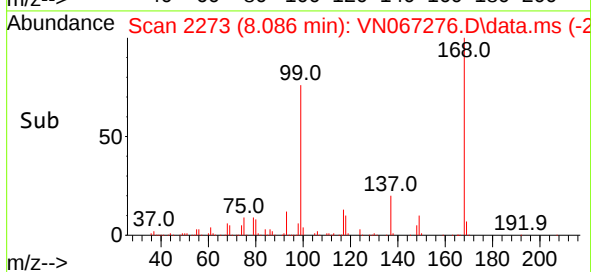
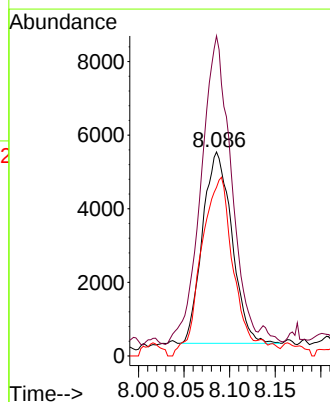
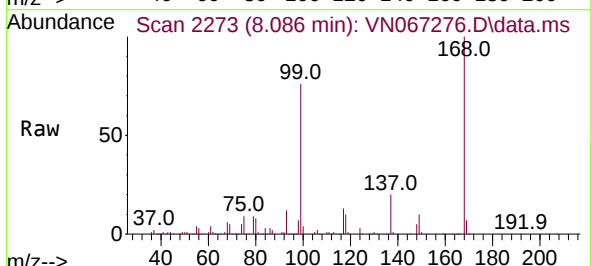
RT: 8.086 min Scan# 2273

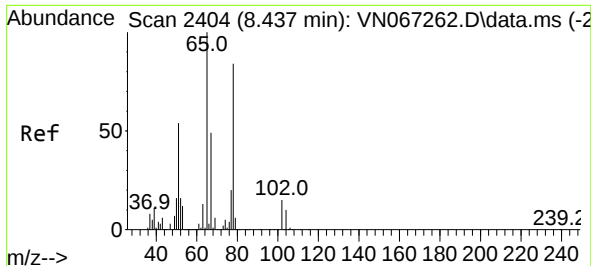
Delta R.T. -0.008 min

Lab File: VN067276.D

Acq: 10 Jun 2021 17:01

Tgt Ion:	56	Resp:	11648
Ion	Ratio	Lower	Upper
56	100		
69	159.4	28.0	42.0#
84	90.8	74.2	111.2





#33

1,2-Dichloroethane-d4

Concen: 47.20 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. 0.003 min

Lab File: VN067276.D

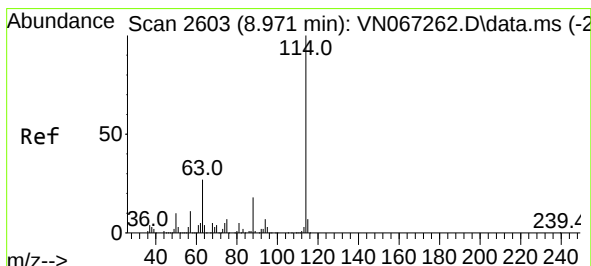
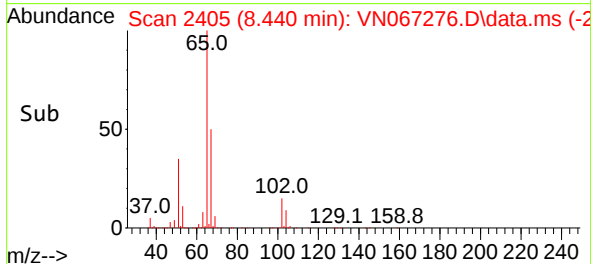
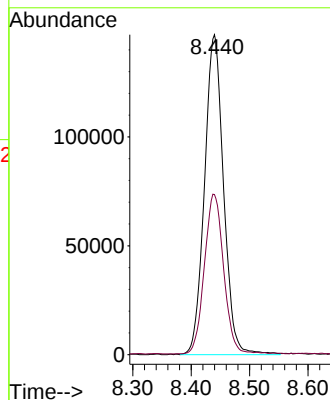
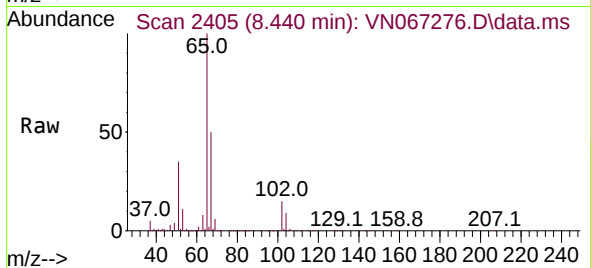
Acq: 10 Jun 2021 17:01

Tgt Ion: 65 Resp: 334164

Ion Ratio Lower Upper

65 100

67 50.0 0.0 110.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. -0.003 min

Lab File: VN067276.D

Acq: 10 Jun 2021 17:01

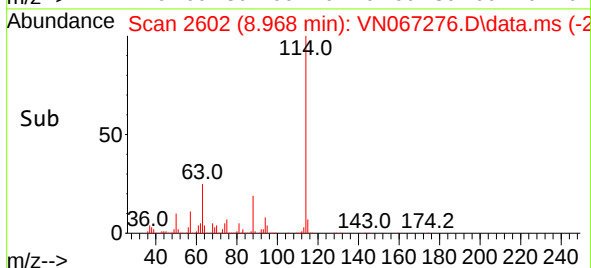
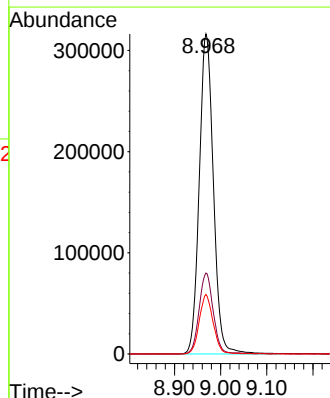
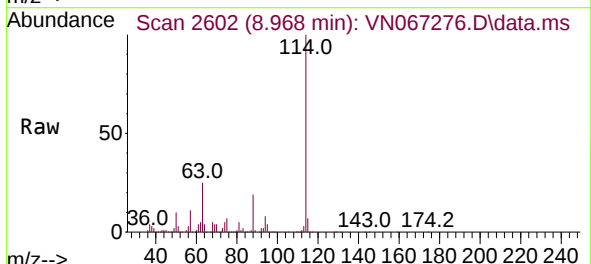
Tgt Ion: 114 Resp: 673089

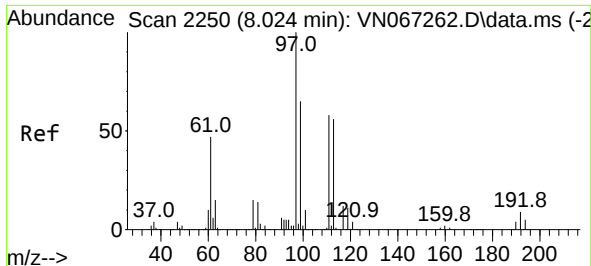
Ion Ratio Lower Upper

114 100

63 25.3 0.0 35.8

88 18.6 0.0 30.4

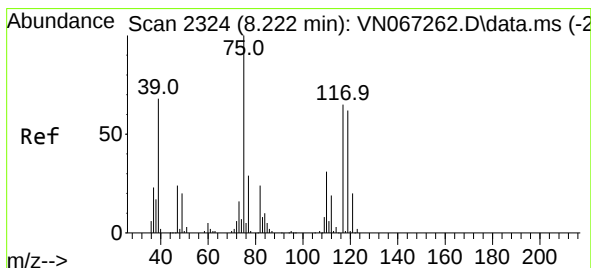
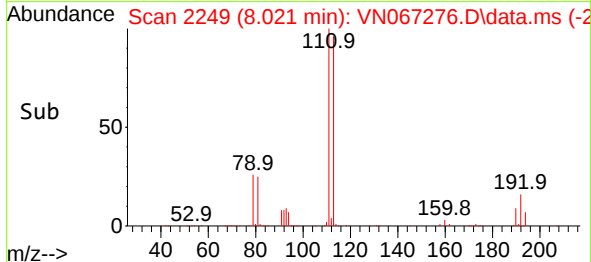
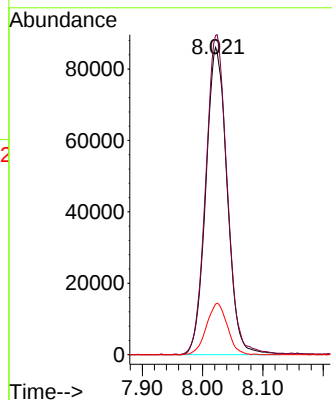
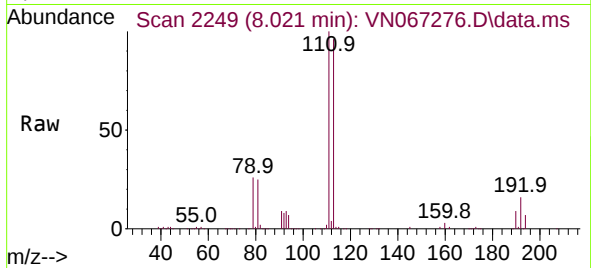




#35
Dibromofluoromethane
Concen: 49.45 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. -0.003 min
Lab File: VN067276.D
Acq: 10 Jun 2021 17:01

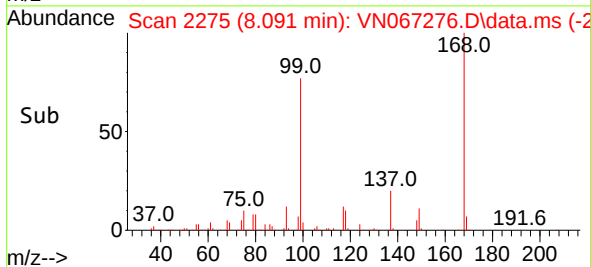
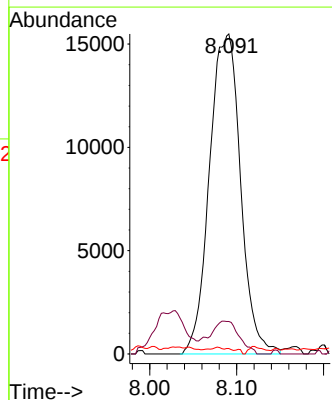
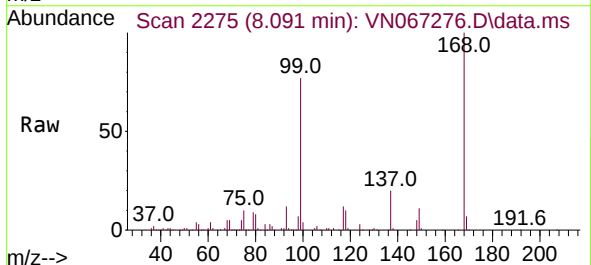
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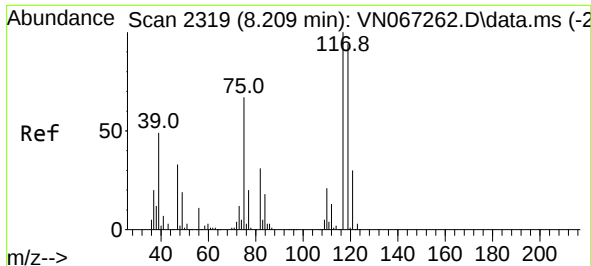
Tgt Ion:113 Resp: 212102
Ion Ratio Lower Upper
113 100
111 104.5 82.6 124.0
192 16.3 18.2 27.4#



#36
1,1-Dichloropropene
Concen: 5.40 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.131 min
Lab File: VN067276.D
Acq: 10 Jun 2021 17:01

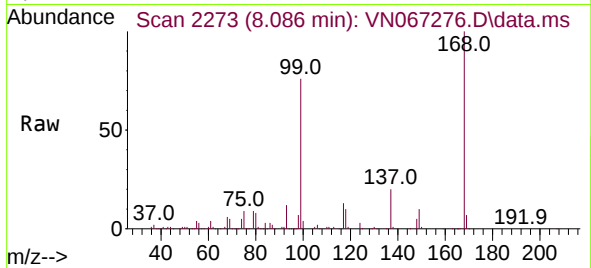
Tgt Ion: 75 Resp: 38480
Ion Ratio Lower Upper
75 100
110 9.7 19.1 57.3#
77 0.1 24.8 37.2#



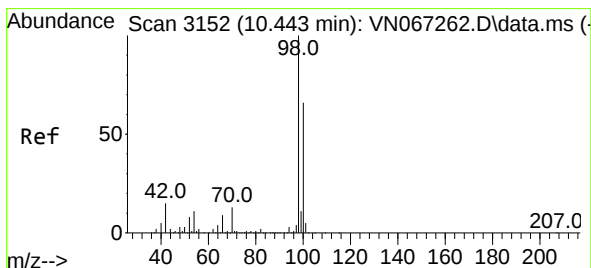
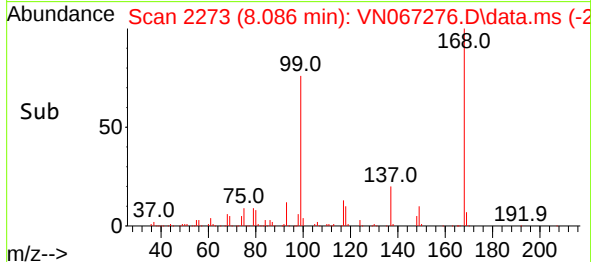
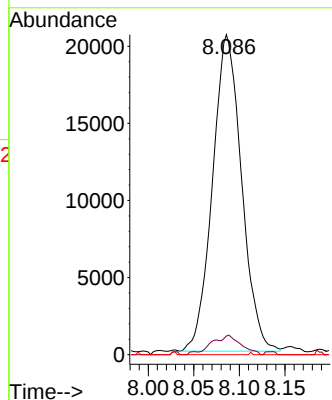


#38
Carbon Tetrachloride
Concen: 6.11 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.123 min
Lab File: VN067276.D
Acq: 10 Jun 2021 17:01

Instrument :
MSVOA_N
ClientSampled :

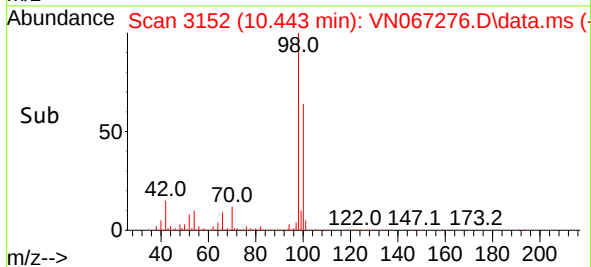
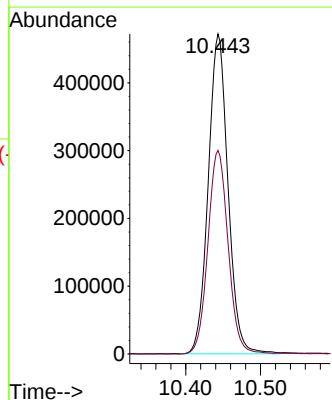
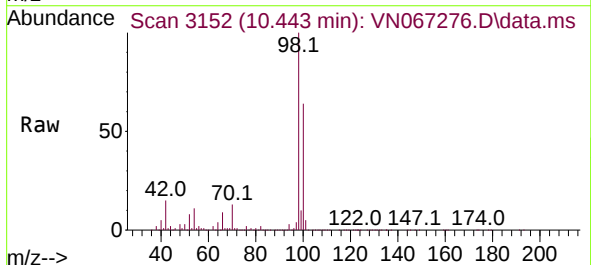


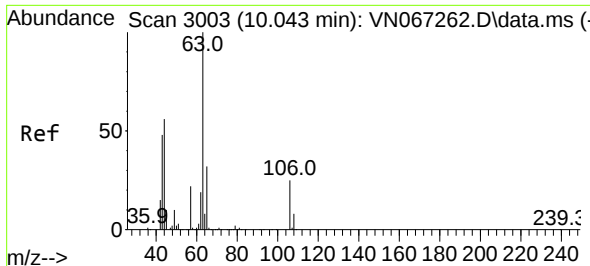
Tgt Ion:117 Resp: 45443
Ion Ratio Lower Upper
117 100
119 5.9 78.2 117.2#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 51.39 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067276.D
Acq: 10 Jun 2021 17:01

Tgt Ion: 98 Resp: 866218
Ion Ratio Lower Upper
98 100
100 65.2 51.8 77.8

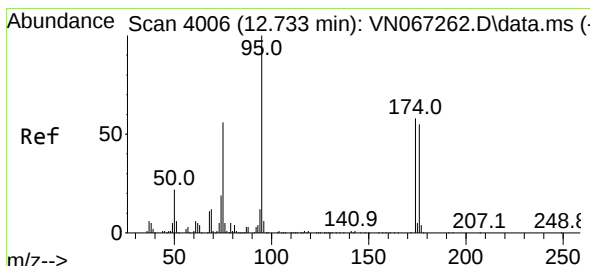
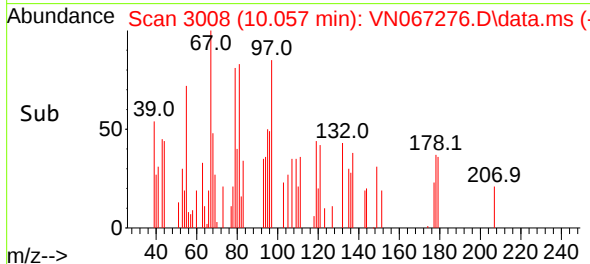
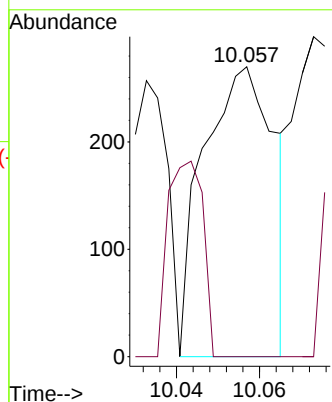
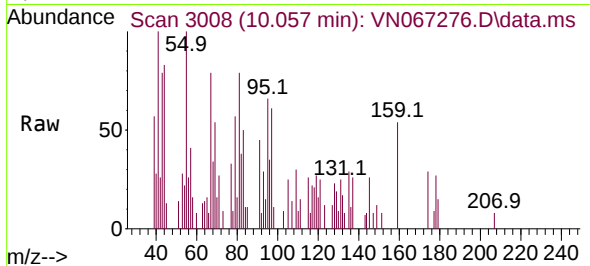




#58
2-Chloroethyl Vinyl ether
Concen: 28.21 ug/l
RT: 10.057 min Scan# 3008
Delta R.T. 0.014 min
Lab File: VN067276.D
Acq: 10 Jun 2021 17:01

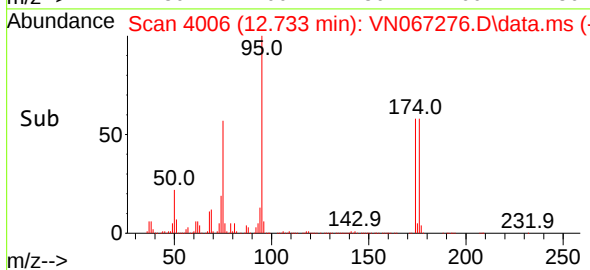
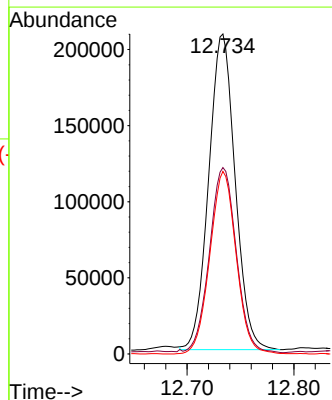
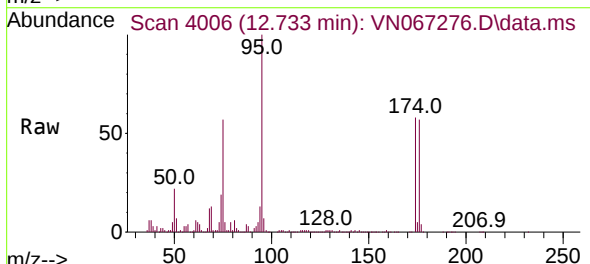
Instrument :
MSVOA_N
ClientSampled :

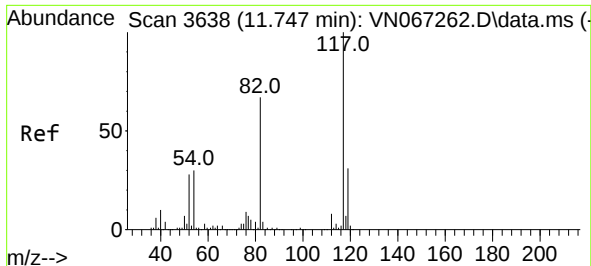
Tgt Ion: 63 Resp: 318
Ion Ratio Lower Upper
63 100
106 33.6 23.9 35.9



#62
4-Bromofluorobenzene
Concen: 50.88 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067276.D
Acq: 10 Jun 2021 17:01

Tgt Ion: 95 Resp: 356908
Ion Ratio Lower Upper
95 100
174 59.7 0.0 182.8
176 57.5 0.0 176.6

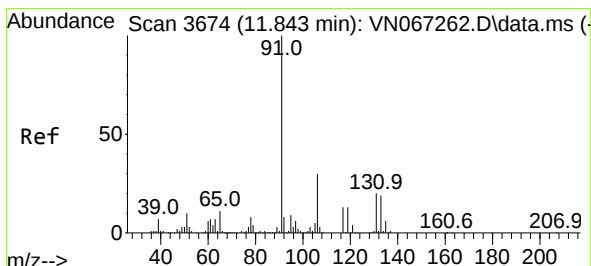
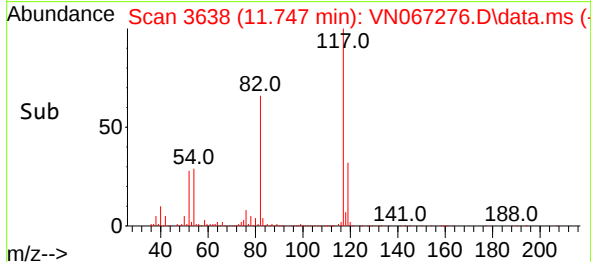
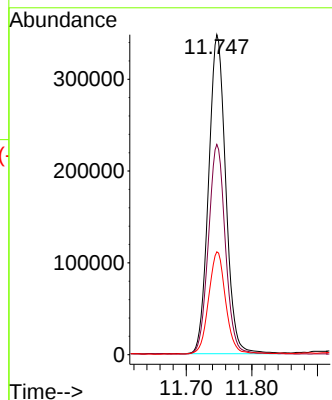
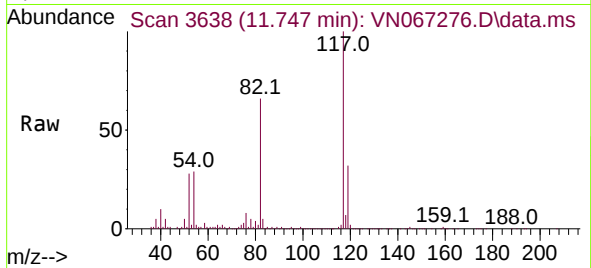




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067276.D
Acq: 10 Jun 2021 17:01

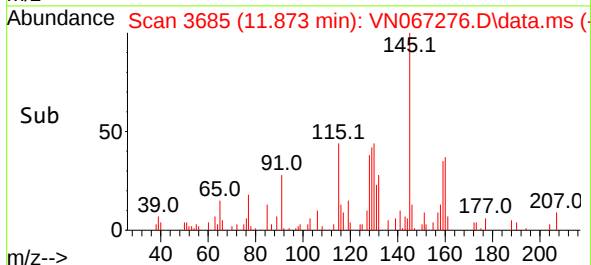
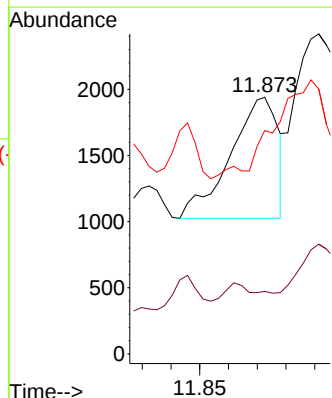
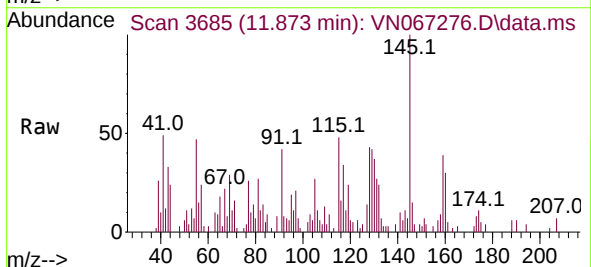
Instrument :
MSVOA_N
ClientSampleId :

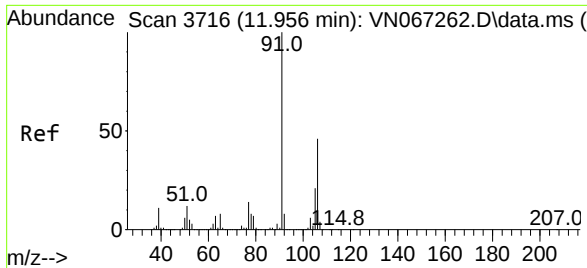
Tgt Ion:117 Resp: 630061
Ion Ratio Lower Upper
117 100
82 65.7 42.2 63.2#
119 32.0 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 0.20 ug/l
RT: 11.873 min Scan# 3685
Delta R.T. 0.030 min
Lab File: VN067276.D
Acq: 10 Jun 2021 17:01

Tgt Ion:131 Resp: 1050
Ion Ratio Lower Upper
131 100
133 7.4 47.8 143.3#
119 0.0 33.8 101.3#

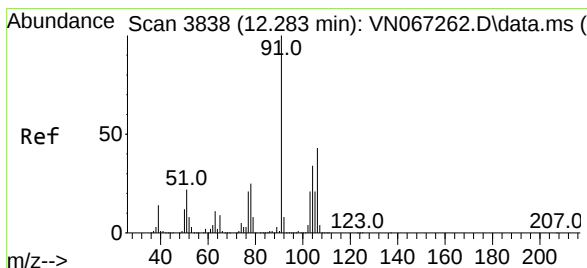
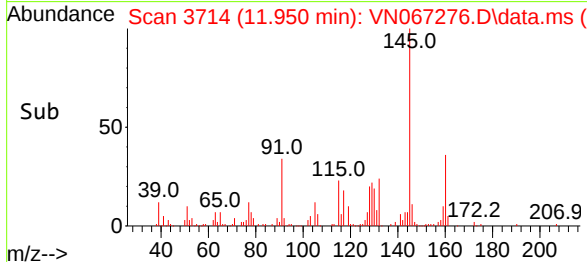
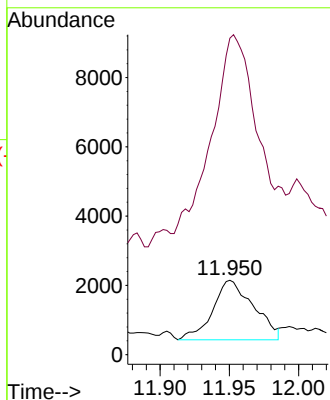
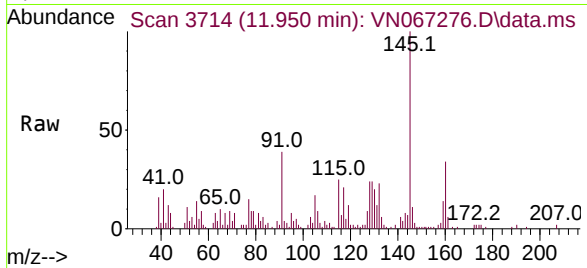




#68
m/p-Xylenes
Concen: 0.37 ug/l
RT: 11.950 min Scan# 3714
Delta R.T. -0.005 min
Lab File: VN067276.D
Acq: 10 Jun 2021 17:01

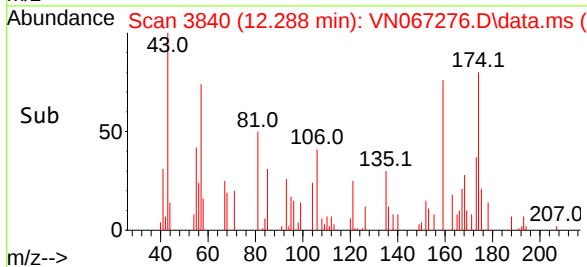
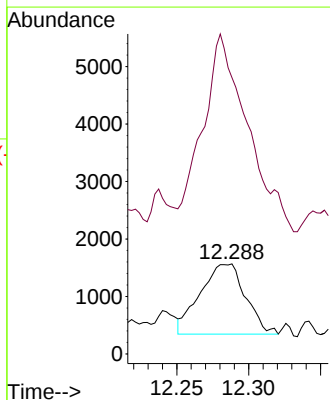
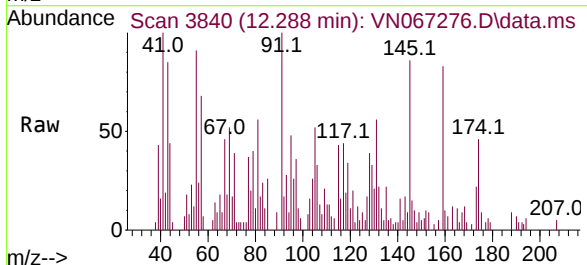
Instrument :
MSVOA_N
ClientSampleId :

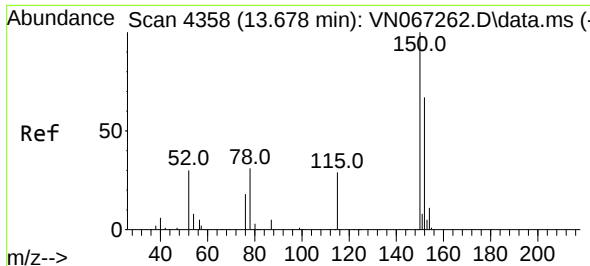
Tgt Ion:106 Resp: 3536
Ion Ratio Lower Upper
106 100
91 377.0 155.2 232.8#



#69
o-Xylene
Concen: 0.29 ug/l
RT: 12.288 min Scan# 3840
Delta R.T. 0.005 min
Lab File: VN067276.D
Acq: 10 Jun 2021 17:01

Tgt Ion:106 Resp: 2675
Ion Ratio Lower Upper
106 100
91 280.4 102.3 306.8

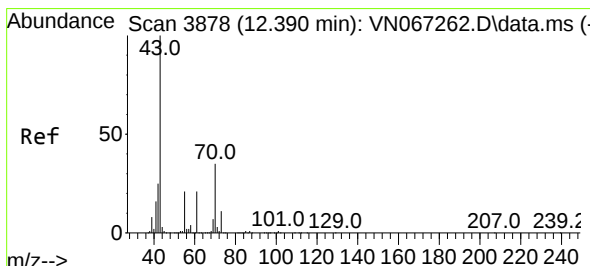
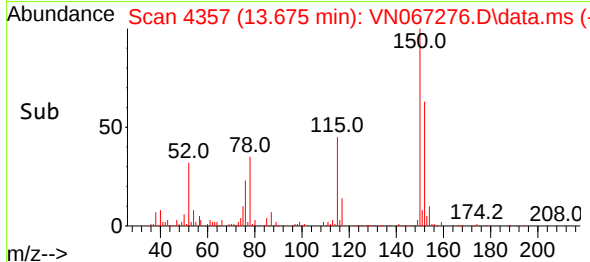
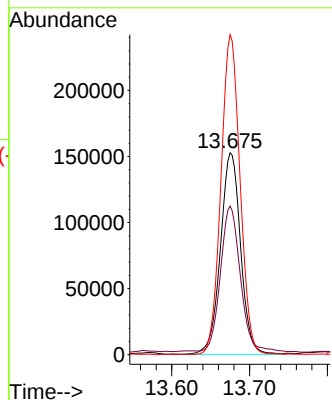
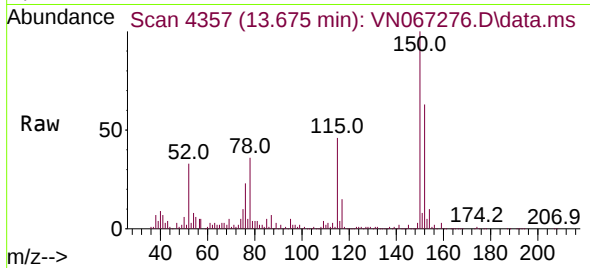




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN067276.D
Acq: 10 Jun 2021 17:01

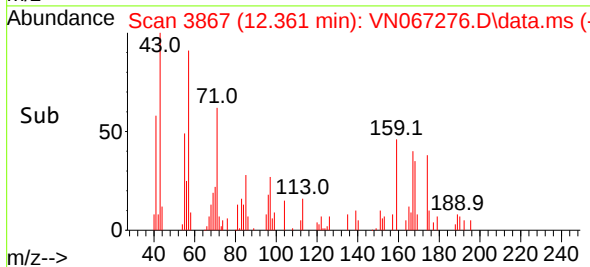
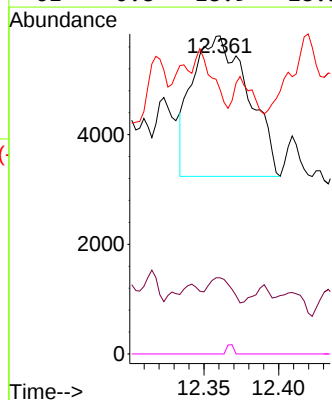
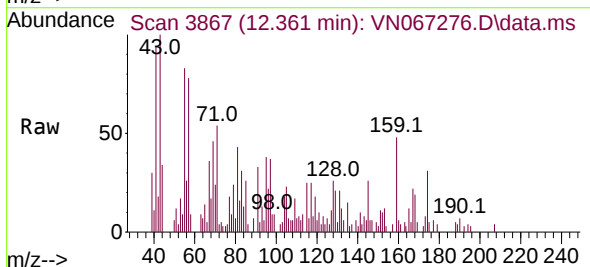
Instrument :
MSVOA_N
ClientSampled :

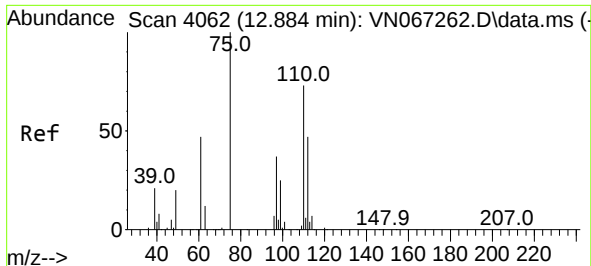
Tgt Ion:152 Resp: 273152
Ion Ratio Lower Upper
152 100
115 70.8 27.0 80.8
150 150.7 0.0 350.2



#74
N-ethyl acetate
Concen: 0.52 ug/l
RT: 12.361 min Scan# 3867
Delta R.T. -0.030 min
Lab File: VN067276.D
Acq: 10 Jun 2021 17:01

Tgt Ion: 43 Resp: 6607
Ion Ratio Lower Upper
43 100
70 6.8 36.7 55.1#
55 7.2 17.6 26.4#
61 0.8 18.9 28.3#

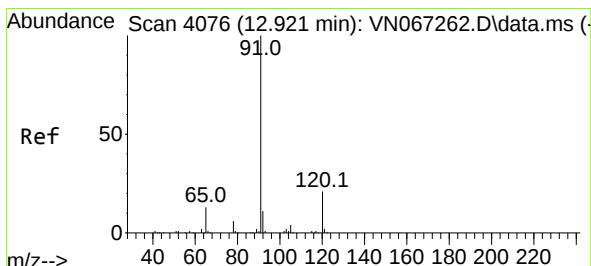
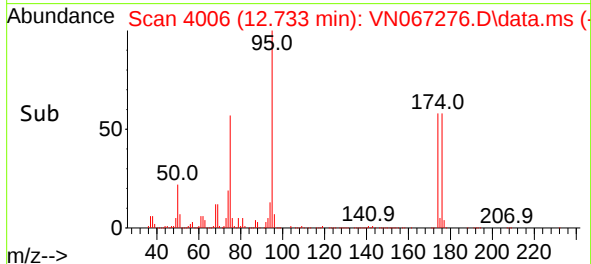
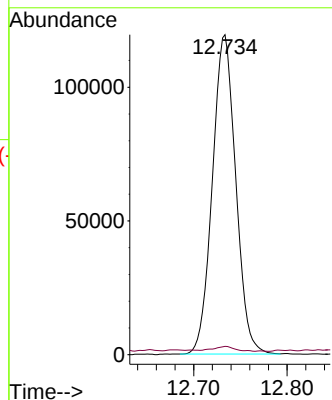
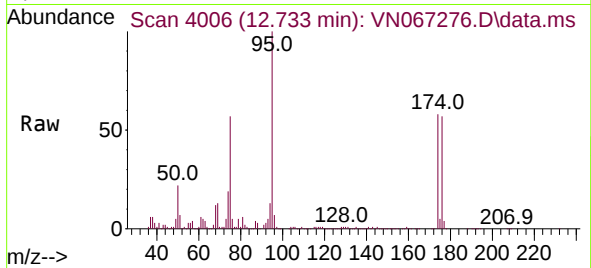




#76
1,2,3-Trichloropropane
Concen: 28.66 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067276.D
Acq: 10 Jun 2021 17:01

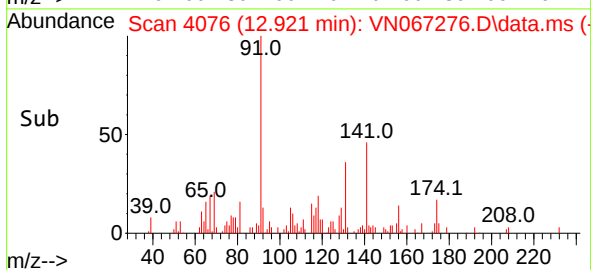
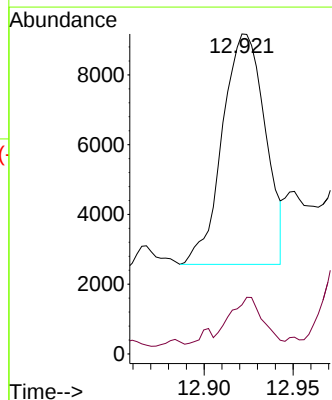
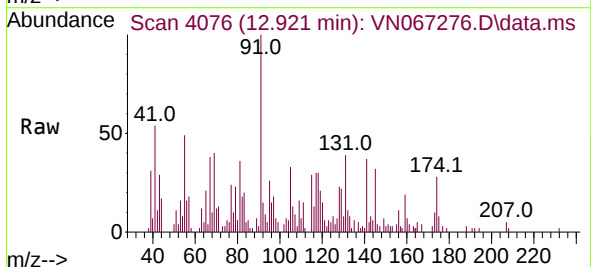
Instrument :
MSVOA_N
ClientSampled :

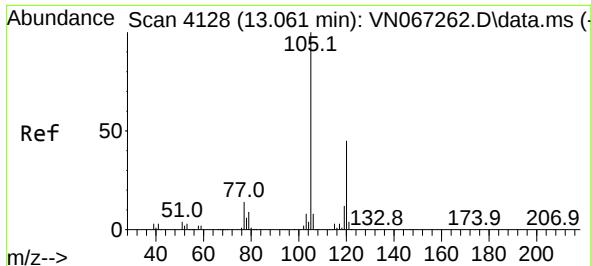
Tgt Ion: 75 Resp: 207957
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#78
n-propylbenzene
Concen: 0.37 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.000 min
Lab File: VN067276.D
Acq: 10 Jun 2021 17:01

Tgt Ion: 91 Resp: 11089
Ion Ratio Lower Upper
91 100
120 13.7 12.7 38.0

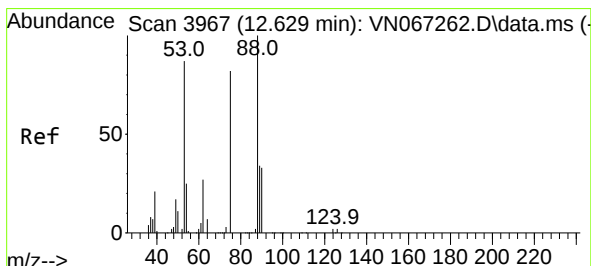
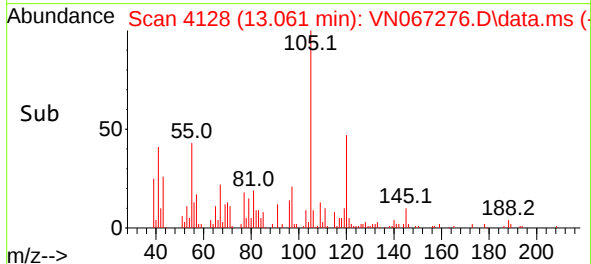
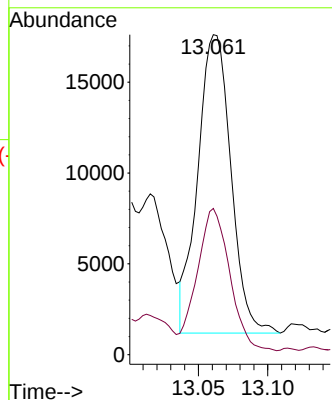
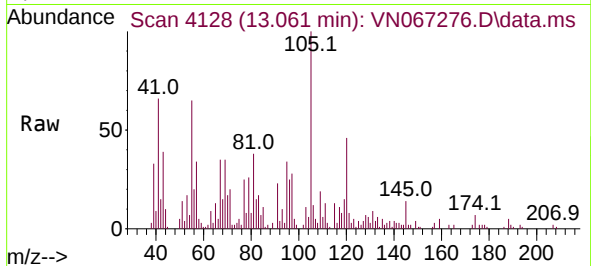




#80
 1,3,5-Trimethylbenzene
 Concen: 1.25 ug/l
 RT: 13.061 min Scan# 4128
 Delta R.T. 0.000 min
 Lab File: VN067276.D
 Acq: 10 Jun 2021 17:01

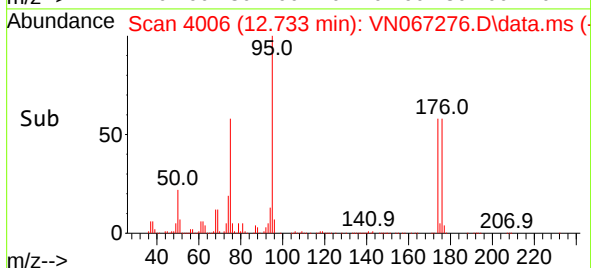
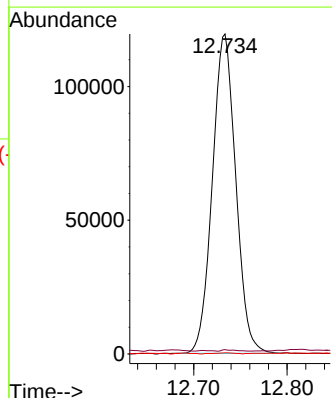
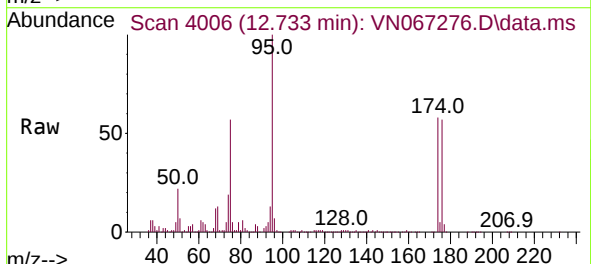
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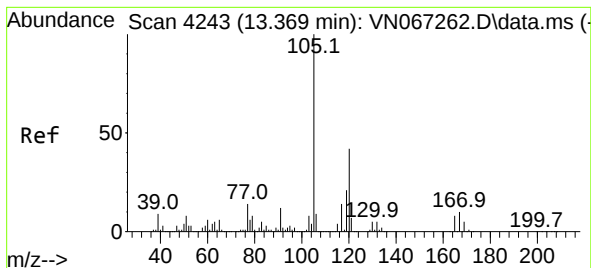
Tgt Ion:105 Resp: 27418
 Ion Ratio Lower Upper
 105 100
 120 47.0 25.0 75.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.31 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. 0.105 min
 Lab File: VN067276.D
 Acq: 10 Jun 2021 17:01

Tgt Ion: 75 Resp: 207957
 Ion Ratio Lower Upper
 75 100
 53 0.3 66.3 99.5#
 89 0.3 39.5 59.3#

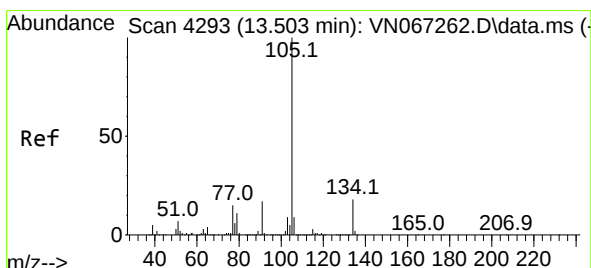
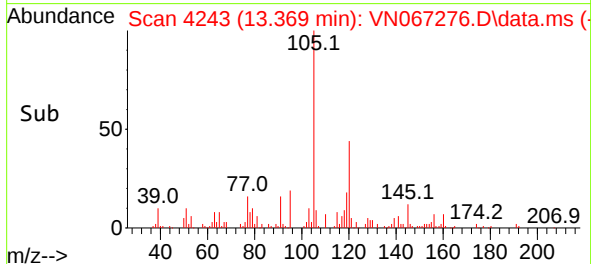
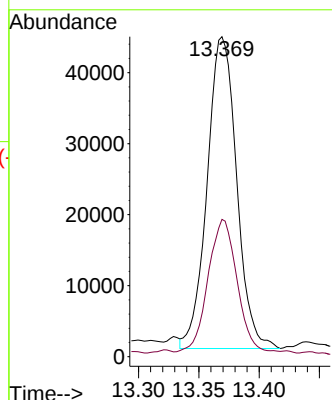
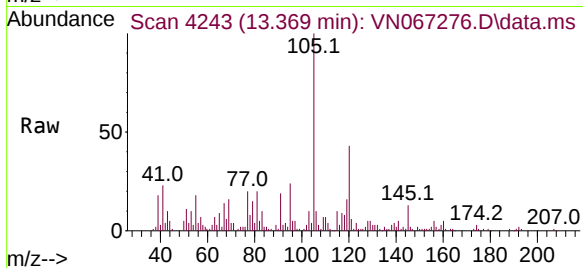




#84
1,2,4-Trimethylbenzene
Concen: 3.48 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.000 min
Lab File: VN067276.D
Acq: 10 Jun 2021 17:01

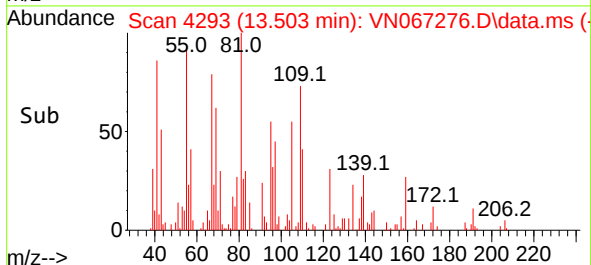
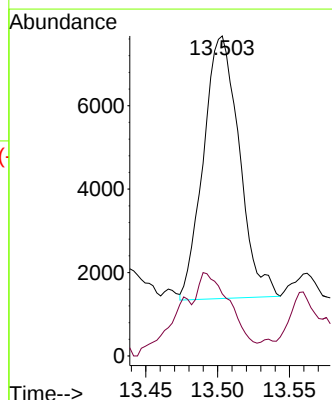
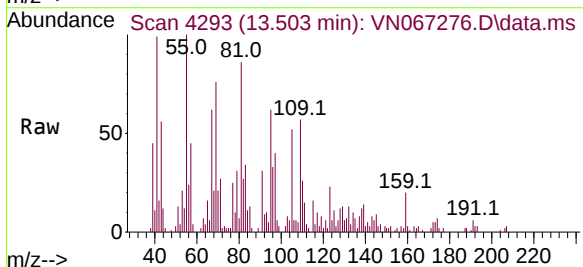
Instrument :
MSVOA_N
ClientSampleId :

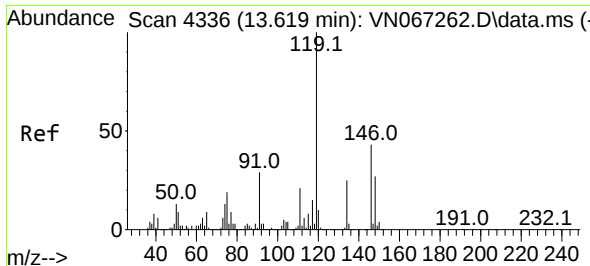
Tgt Ion:105 Resp: 74887
Ion Ratio Lower Upper
105 100
120 41.0 23.8 71.2



#85
sec-Butylbenzene
Concen: 0.43 ug/l
RT: 13.503 min Scan# 4293
Delta R.T. 0.000 min
Lab File: VN067276.D
Acq: 10 Jun 2021 17:01

Tgt Ion:105 Resp: 10921
Ion Ratio Lower Upper
105 100
134 25.3 10.5 31.5

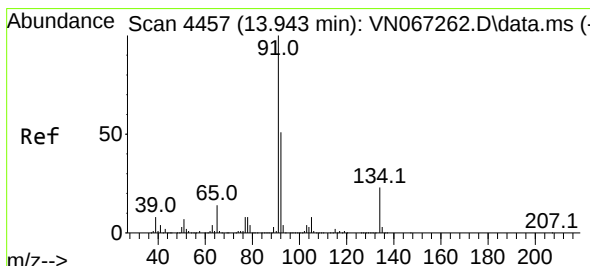
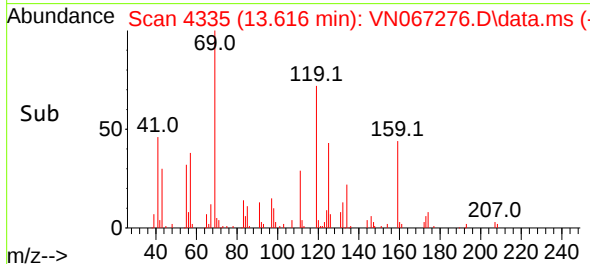
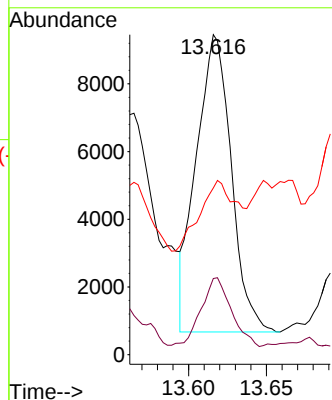
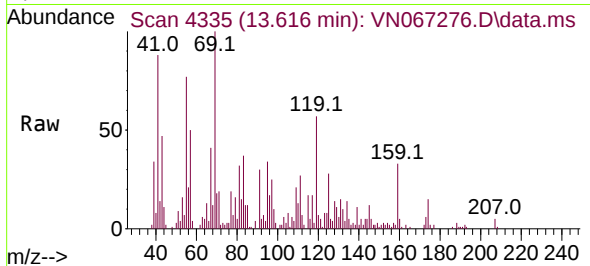




#86
p-Isopropyltoluene
Concen: 0.64 ug/l
RT: 13.616 min Scan# 4335
Delta R.T. -0.003 min
Lab File: VN067276.D
Acq: 10 Jun 2021 17:01

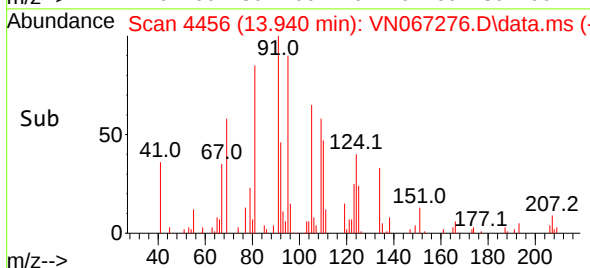
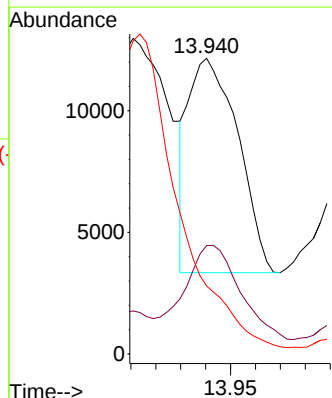
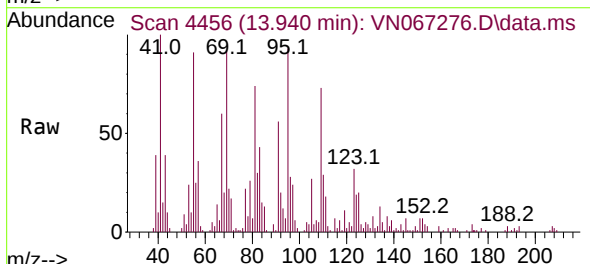
Instrument :
MSVOA_N
ClientSampleId :

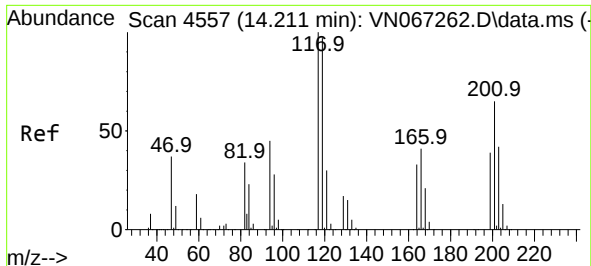
Tgt Ion:119 Resp: 13751
Ion Ratio Lower Upper
119 100
134 20.8 13.3 39.9
91 25.4 10.7 32.1



#89
n-Butylbenzene
Concen: 0.62 ug/l
RT: 13.940 min Scan# 4456
Delta R.T. -0.003 min
Lab File: VN067276.D
Acq: 10 Jun 2021 17:01

Tgt Ion: 91 Resp: 12167
Ion Ratio Lower Upper
91 100
92 48.4 26.5 79.5
134 0.0 14.3 42.9#

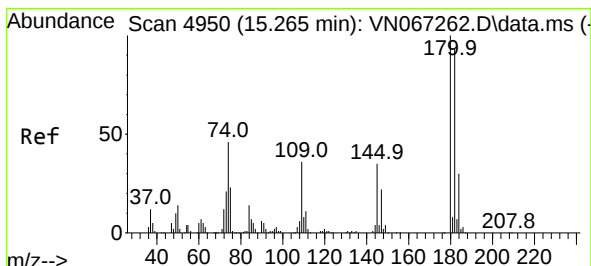
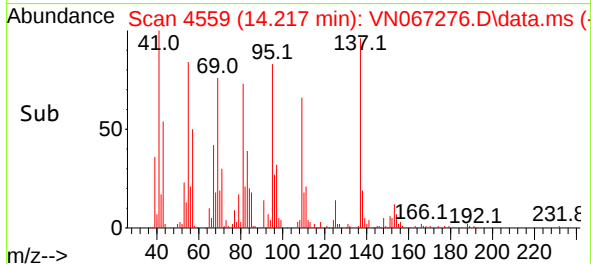
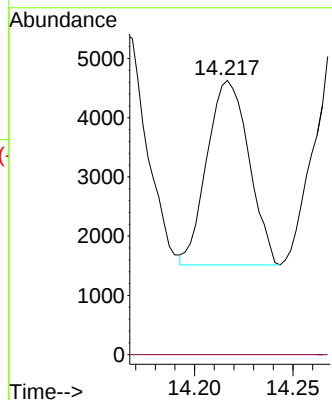
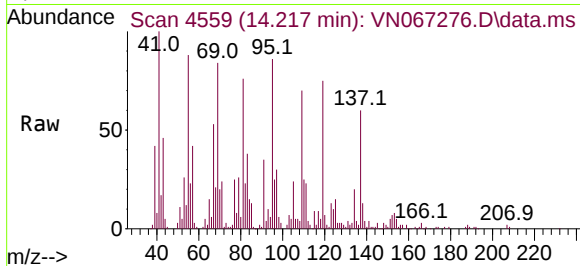




#90
Hexachloroethane
Concen: 1.19 ug/l
RT: 14.217 min Scan# 4559
Delta R.T. 0.005 min
Lab File: VN067276.D
Acq: 10 Jun 2021 17:01

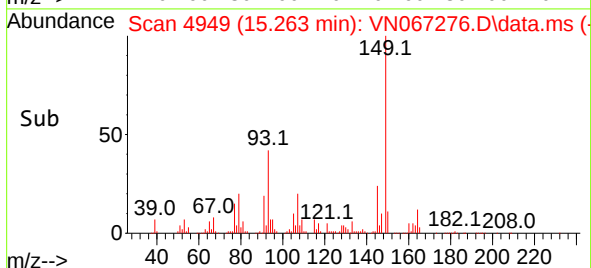
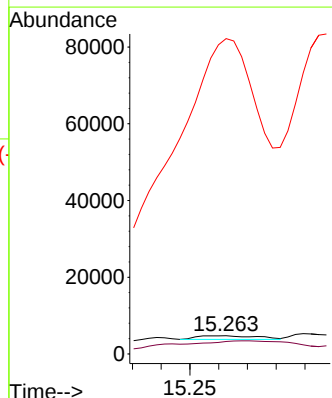
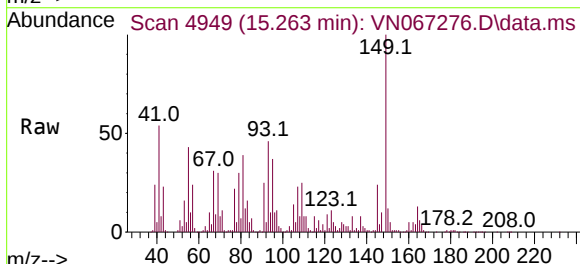
Instrument :
MSVOA_N
ClientSampled :

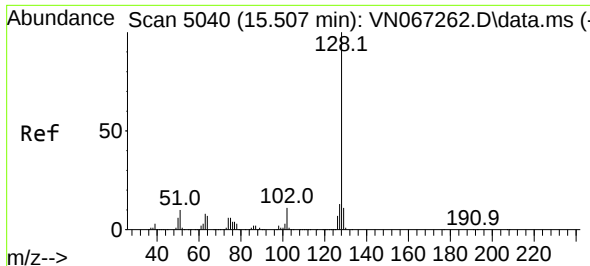
Tgt Ion:117 Resp: 4605
Ion Ratio Lower Upper
117 100
201 0.0 45.5 136.5#



#93
1,2,4-Trichlorobenzene
Concen: 0.31 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.003 min
Lab File: VN067276.D
Acq: 10 Jun 2021 17:01

Tgt Ion:180 Resp: 1392
Ion Ratio Lower Upper
180 100
182 485.5 47.3 141.8#
145 13870.4 14.0 42.0#

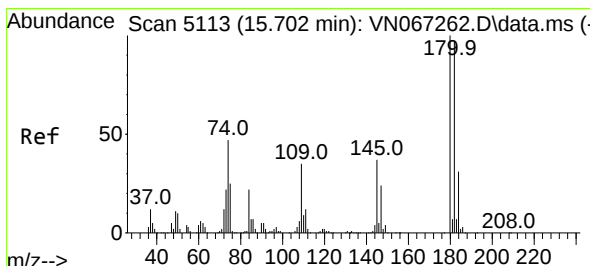
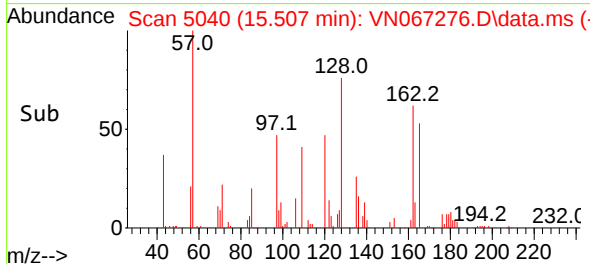
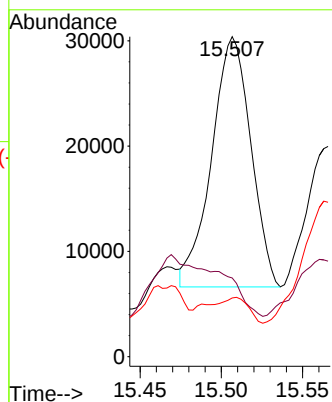
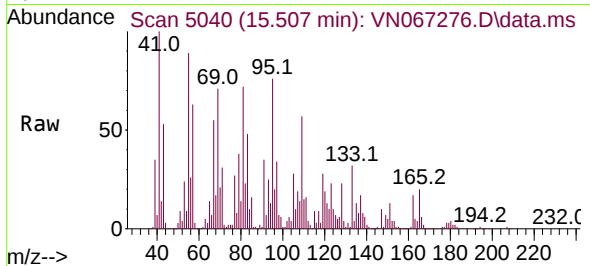




#95
Naphthalene
Concen: 7.05 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN067276.D
Acq: 10 Jun 2021 17:01

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 39873
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 10.6 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 4.08 ug/l
RT: 15.727 min Scan# 5122
Delta R.T. 0.024 min
Lab File: VN067276.D
Acq: 10 Jun 2021 17:01

Tgt Ion:180 Resp: 17214
Ion Ratio Lower Upper
180 100
182 3.4 48.5 145.6#
145 0.0 15.4 46.2#

