

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061021\
 Data File : VN067272.D
 Acq On : 10 Jun 2021 15:24
 Operator : JC/MD
 Sample : M2612-15
 Misc : 7.16g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 11 05:39:46 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)

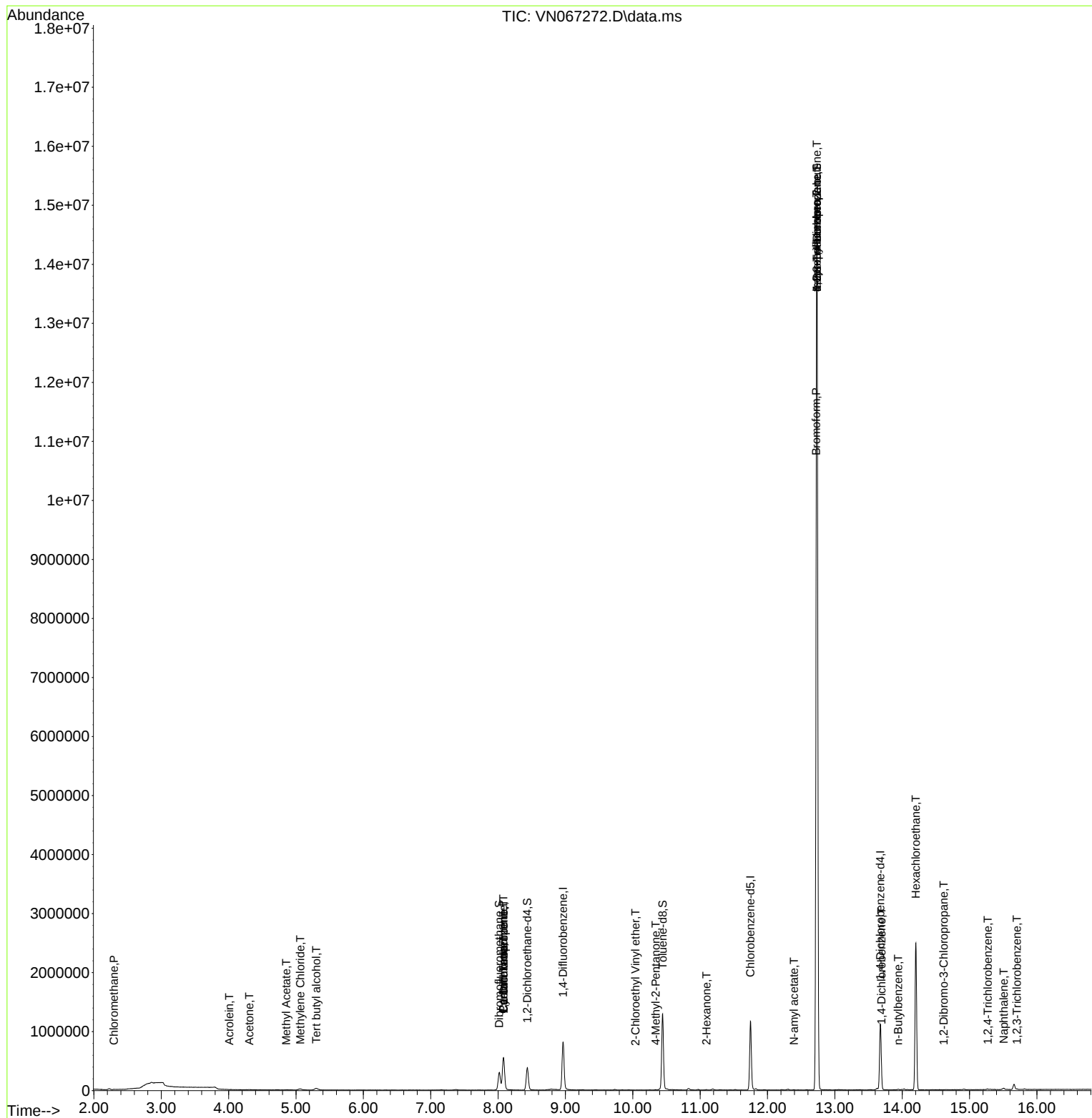
Internal Standards						
1) Pentafluorobenzene	8.080	168	373652	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.965	114	667678	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	604488	50.00	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	267520	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	328124	46.46	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.92%		
35) Dibromofluoromethane	8.016	113	208864	49.09	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.18%		
50) Toluene-d8	10.443	98	856474	51.22	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	102.44%		
62) 4-Bromofluorobenzene	12.734	95	359403	51.65	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	103.30%		
Target Compounds						Qvalue
3) Chloromethane	2.295	50	1798	0.30	ug/l	92
11) Tert butyl alcohol	5.302	59	29041	24.16	ug/l #	88
13) Acrolein	4.012	56	497	1.03	ug/l #	36
16) Acetone	4.310	43	2538	0.89	ug/l #	65
18) Methyl Acetate	4.854	43	3544	0.45	ug/l #	67
20) Methylene Chloride	5.063	84	8831	1.73	ug/l #	85
31) Cyclohexane	8.080	56	12714	1.46	ug/l #	33
36) 1,1-Dichloropropene	8.083	75	37312	5.28	ug/l #	42
38) Carbon Tetrachloride	8.078	117	45928	6.23	ug/l #	15
51) 4-Methyl-2-Pentanone	10.341	43	3284	0.38	ug/l #	62
58) 2-Chloroethyl Vinyl ether	10.038	63	79	28.12	ug/l #	45
59) 2-Hexanone	11.095	43	4683	0.74	ug/l	91
71) Bromoform	12.723	173	1733	0.48	ug/l #	1
73) Isopropylbenzene	12.731	105	110664	4.39	ug/l #	68
74) N-amyl acetate	12.393	43	3606	0.29	ug/l #	66
76) 1,2,3-Trichloropropane	12.734	75	560540	78.88	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	560540	201.77	ug/l #	28
88) 1,4-Dichlorobenzene	13.694	146	2146	0.24	ug/l #	1
89) n-Butylbenzene	13.940	91	5519	0.29	ug/l	90
90) Hexachloroethane	14.203	117	4944	1.30	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.616	75	639	0.35	ug/l #	2
93) 1,2,4-Trichlorobenzene	15.271	180	3023	0.68	ug/l	94
95) Naphthalene	15.507	128	16106	5.63	ug/l	97
96) 1,2,3-Trichlorobenzene	15.703	180	3330	0.81	ug/l	94

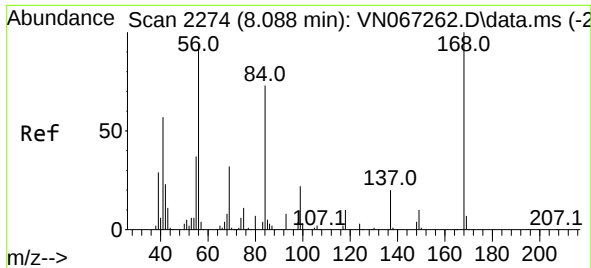
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

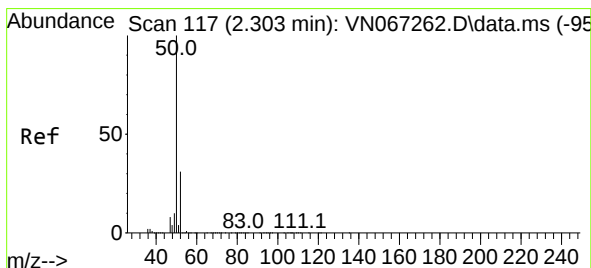
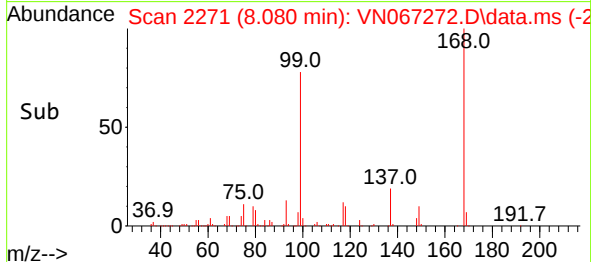
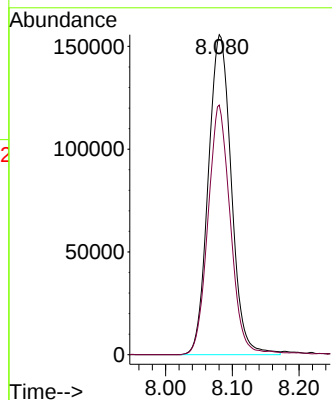
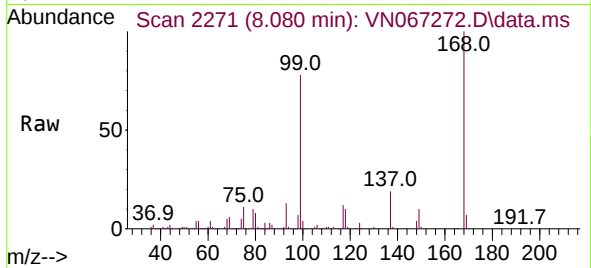




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.008 min
Lab File: VN067272.D
Acq: 10 Jun 2021 15:24

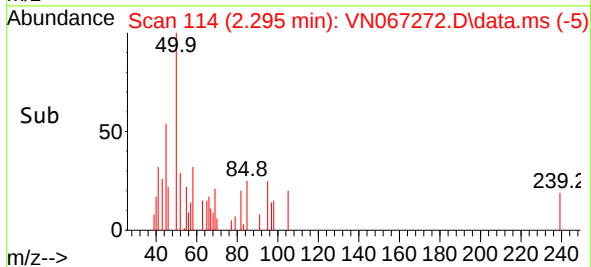
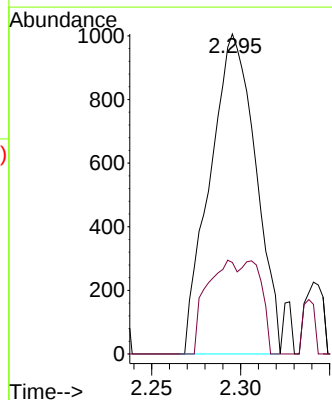
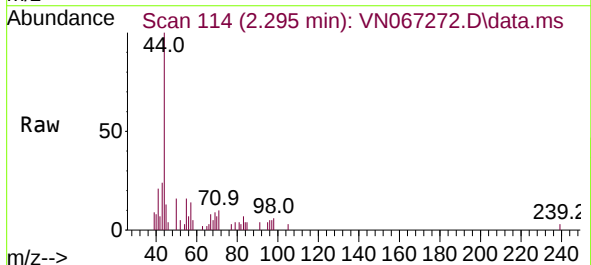
Instrument :
MSVOA_N
ClientSampleId :

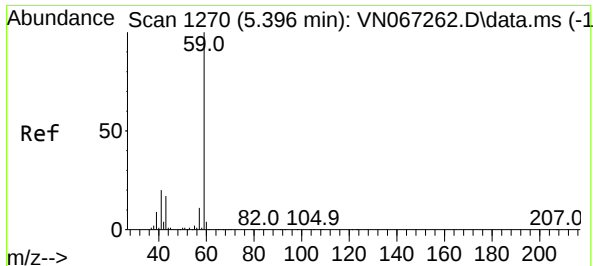
Tgt Ion:168 Resp: 373652
Ion Ratio Lower Upper
168 100
99 78.0 38.5 57.7#



#3
Chloromethane
Concen: 0.30 ug/l
RT: 2.295 min Scan# 114
Delta R.T. -0.008 min
Lab File: VN067272.D
Acq: 10 Jun 2021 15:24

Tgt Ion: 50 Resp: 1798
Ion Ratio Lower Upper
50 100
52 28.6 26.5 39.7



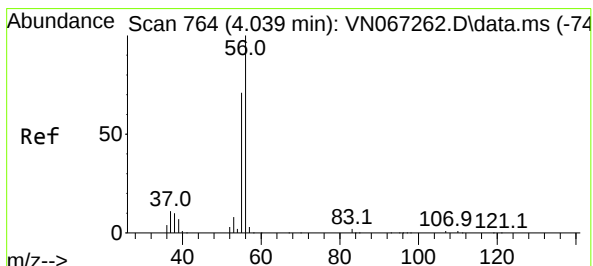
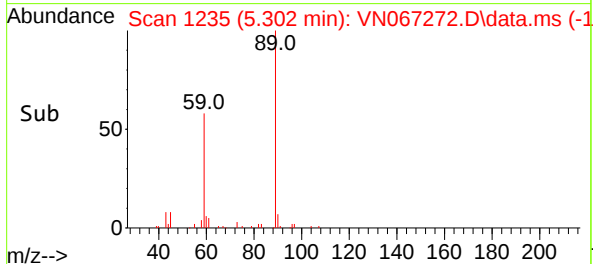
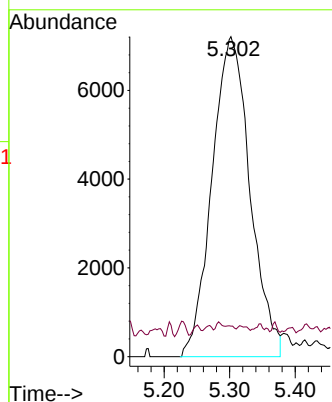
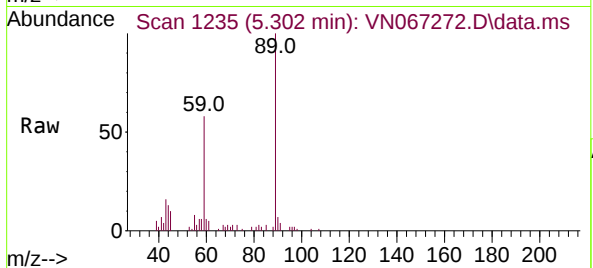


#11

Tert butyl alcohol
Concen: 24.16 ug/l
RT: 5.302 min Scan# 1235
Delta R.T. -0.094 min
Lab File: VN067272.D
Acq: 10 Jun 2021 15:24

Instrument :
MSVOA_N
ClientSampleId :

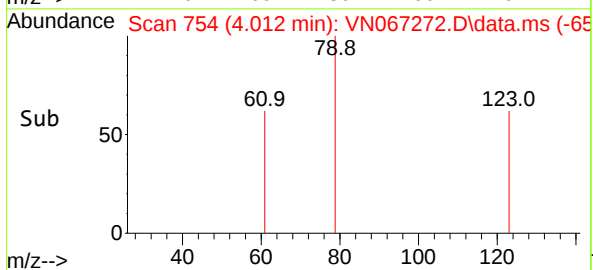
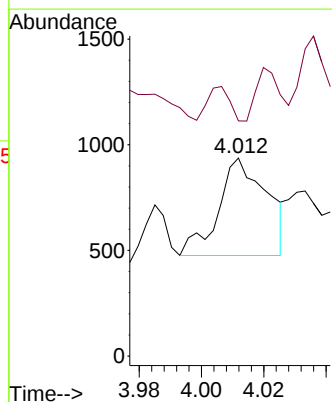
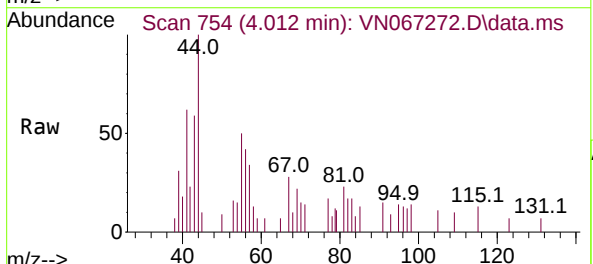
Tgt Ion: 59 Resp: 29041
Ion Ratio Lower Upper
59 100
57 0.4 3.5 5.3#

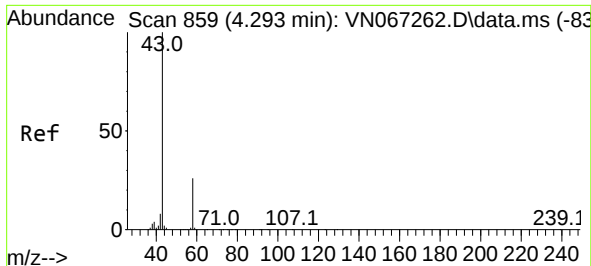


#13

Acrolein
Concen: 1.03 ug/l
RT: 4.012 min Scan# 754
Delta R.T. -0.027 min
Lab File: VN067272.D
Acq: 10 Jun 2021 15:24

Tgt Ion: 56 Resp: 497
Ion Ratio Lower Upper
56 100
55 15.7 53.8 80.6#

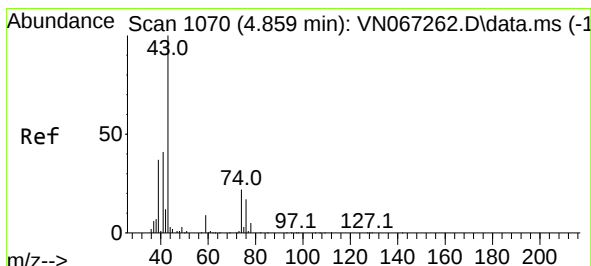
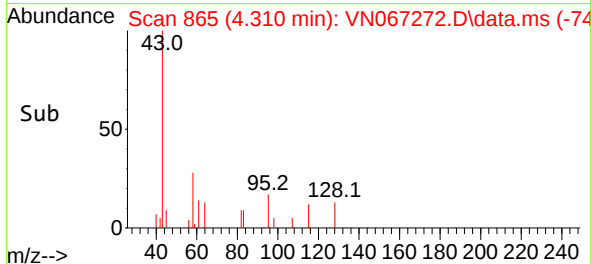
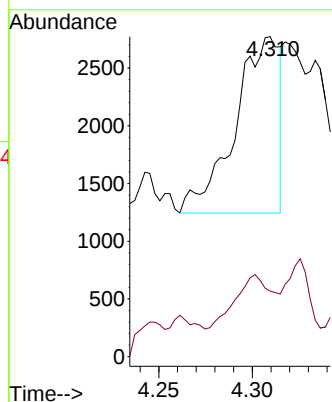
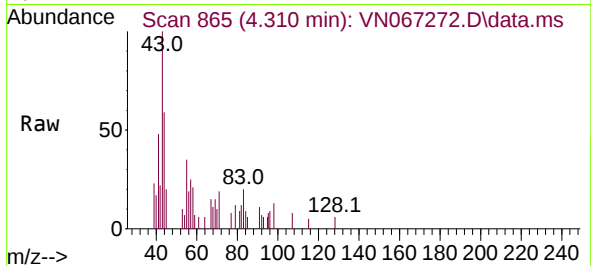




#16
Acetone
Concen: 0.89 ug/l
RT: 4.310 min Scan# 865
Delta R.T. 0.016 min
Lab File: VN067272.D
Acq: 10 Jun 2021 15:24

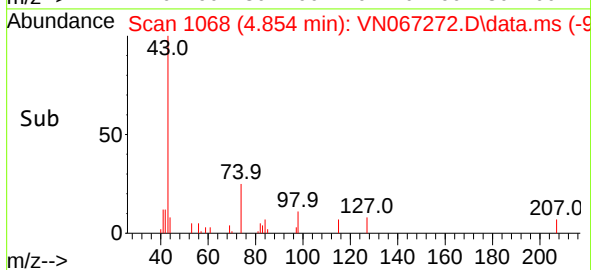
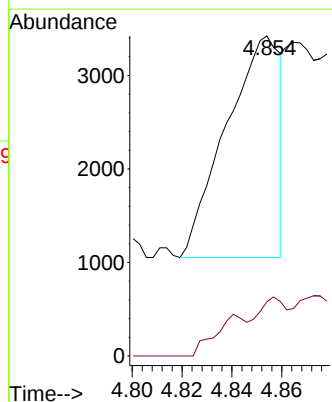
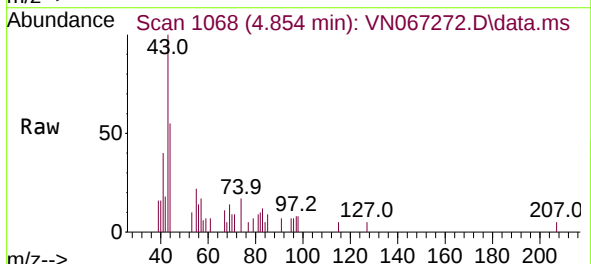
Instrument :
MSVOA_N
ClientSampled :

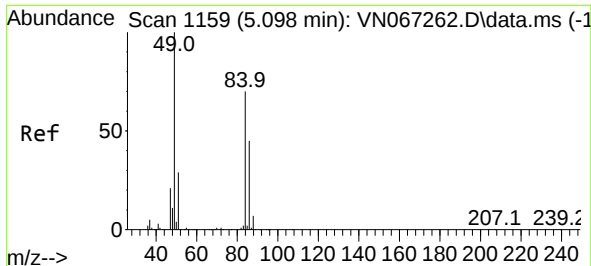
Tgt Ion: 43 Resp: 2538
Ion Ratio Lower Upper
43 100
58 13.8 27.2 40.8#



#18
Methyl Acetate
Concen: 0.45 ug/l
RT: 4.854 min Scan# 1068
Delta R.T. -0.005 min
Lab File: VN067272.D
Acq: 10 Jun 2021 15:24

Tgt Ion: 43 Resp: 3544
Ion Ratio Lower Upper
43 100
74 9.9 21.4 32.2#



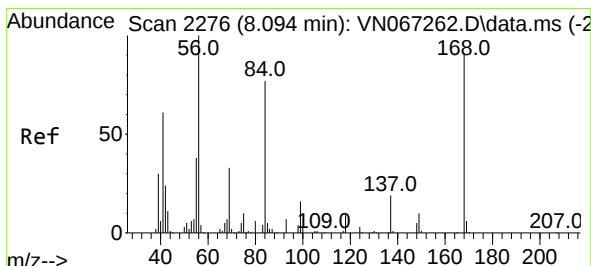
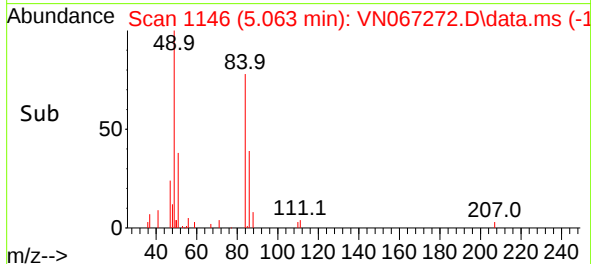
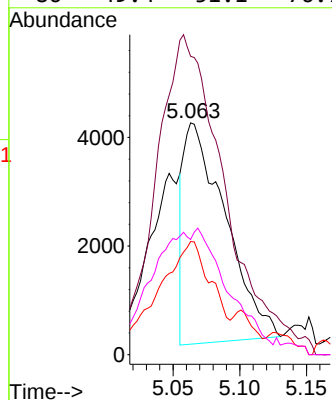
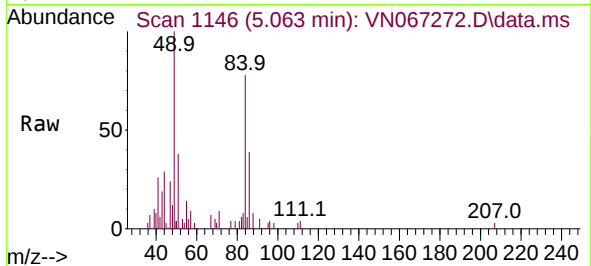


#20
Methylene Chloride
Concen: 1.73 ug/l
RT: 5.063 min Scan# 1146
Delta R.T. -0.035 min
Lab File: VN067272.D
Acq: 10 Jun 2021 15:24

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 84 Resp: 8831

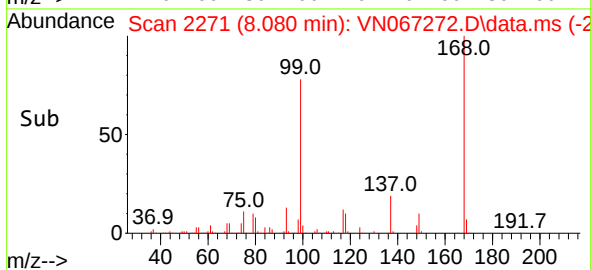
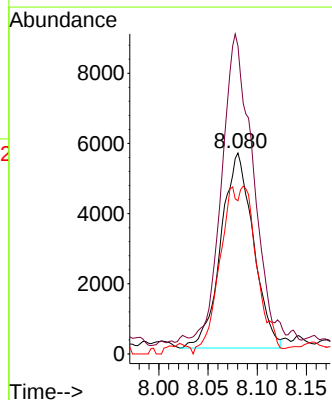
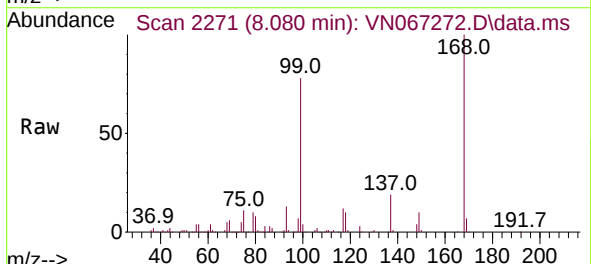
Ion	Ratio	Lower	Upper
84	100		
49	123.7	88.3	132.5
51	43.5	26.7	40.1#
86	49.4	51.1	76.7#

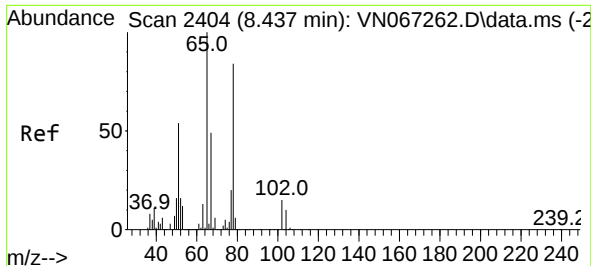


#31
Cyclohexane
Concen: 1.46 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.013 min
Lab File: VN067272.D
Acq: 10 Jun 2021 15:24

Tgt Ion: 56 Resp: 12714

Ion	Ratio	Lower	Upper
56	100		
69	149.8	28.0	42.0#
84	75.4	74.2	111.2





#33

1,2-Dichloroethane-d4

Concen: 46.46 ug/l

RT: 8.434 min Scan# 2403

Delta R.T. -0.003 min

Lab File: VN067272.D

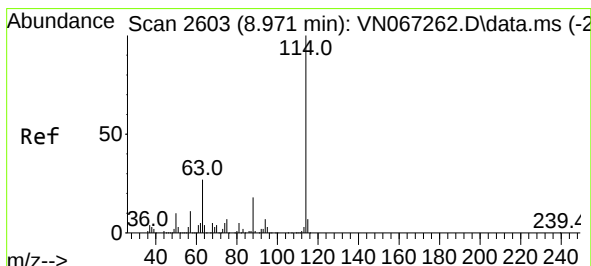
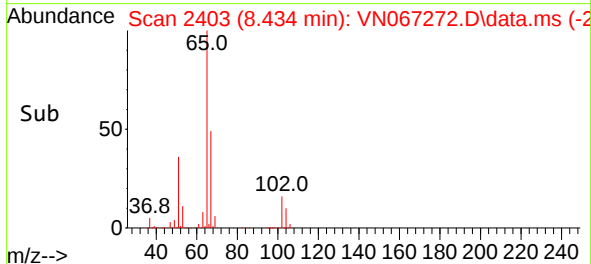
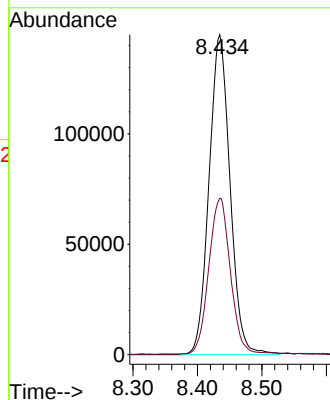
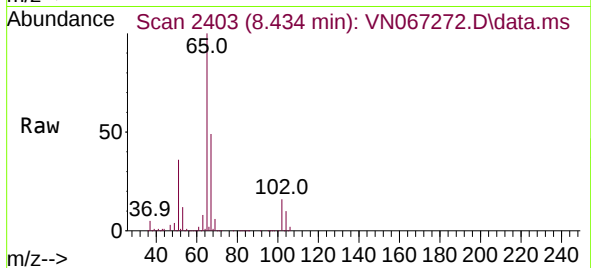
Acq: 10 Jun 2021 15:24

Tgt Ion: 65 Resp: 328124

Ion Ratio Lower Upper

65 100

67 49.9 0.0 110.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.965 min Scan# 2601

Delta R.T. -0.006 min

Lab File: VN067272.D

Acq: 10 Jun 2021 15:24

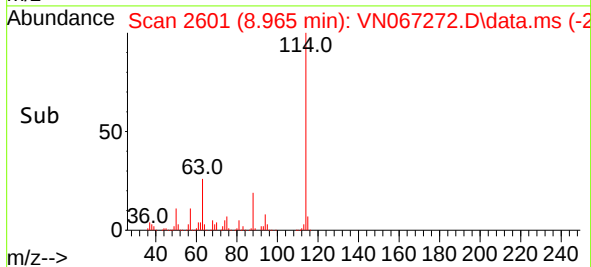
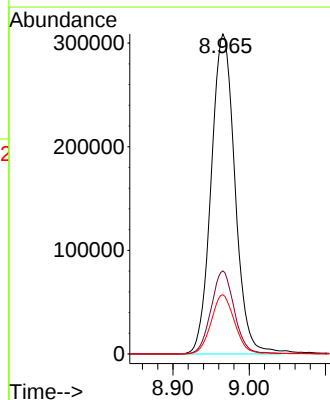
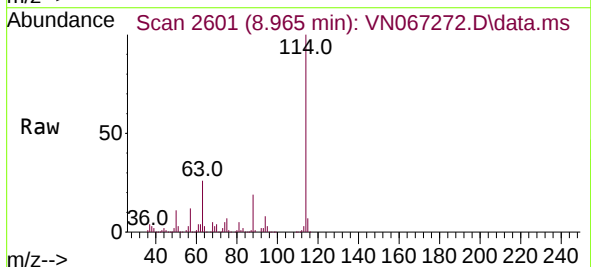
Tgt Ion: 114 Resp: 667678

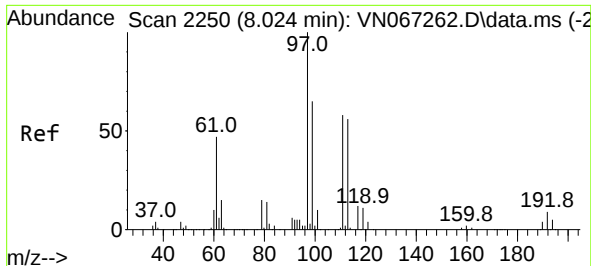
Ion Ratio Lower Upper

114 100

63 26.0 0.0 35.8

88 18.5 0.0 30.4

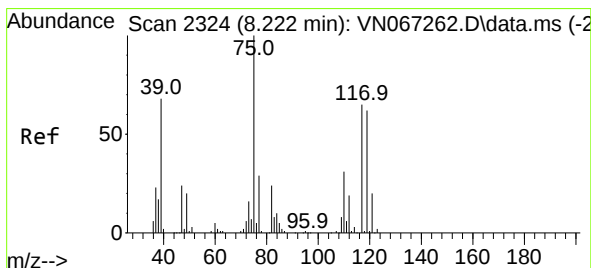
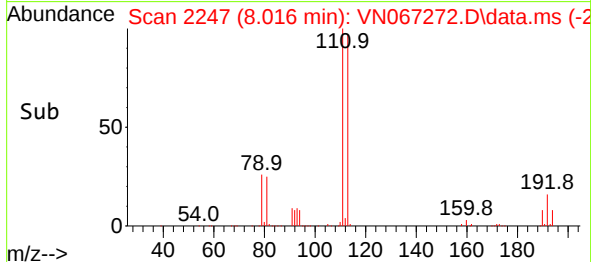
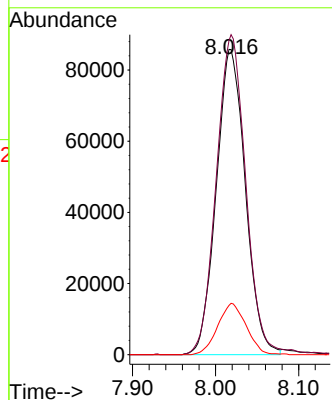
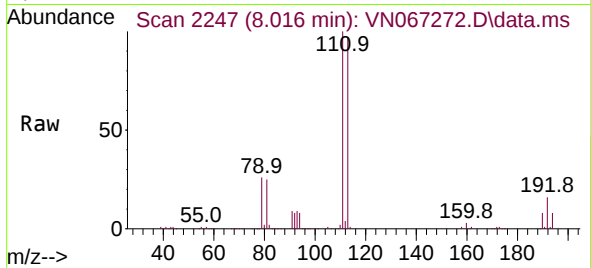




#35
Dibromofluoromethane
Concen: 49.09 ug/l
RT: 8.016 min Scan# 2247
Delta R.T. -0.008 min
Lab File: VN067272.D
Acq: 10 Jun 2021 15:24

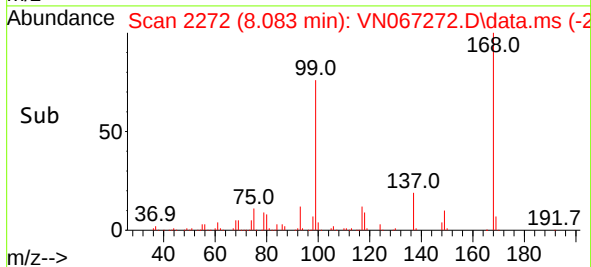
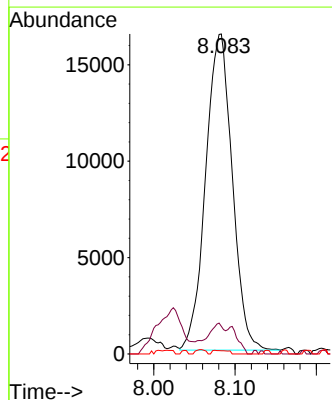
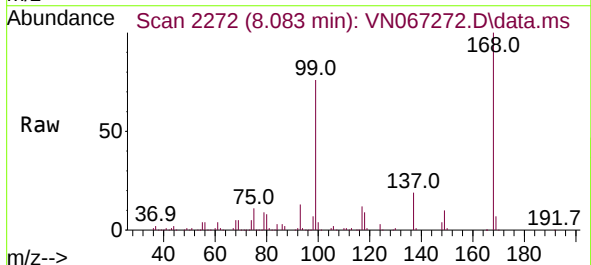
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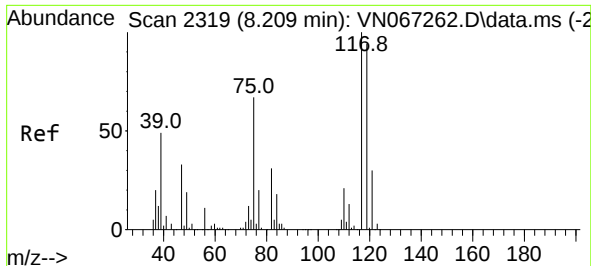
Tgt Ion:113 Resp: 208864
Ion Ratio Lower Upper
113 100
111 105.7 82.6 124.0
192 16.5 18.2 27.4#



#36
1,1-Dichloropropene
Concen: 5.28 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.139 min
Lab File: VN067272.D
Acq: 10 Jun 2021 15:24

Tgt Ion: 75 Resp: 37312
Ion Ratio Lower Upper
75 100
110 2.3 19.1 57.3#
77 0.7 24.8 37.2#

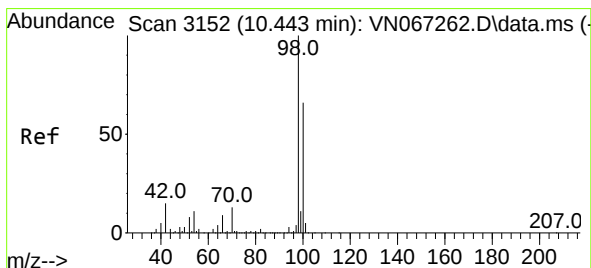
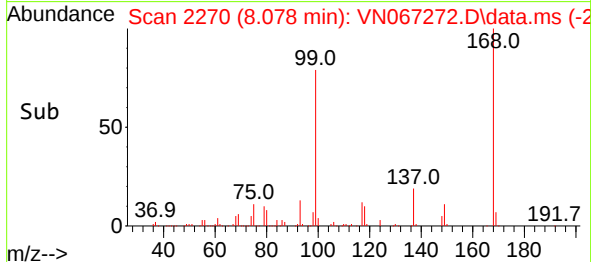
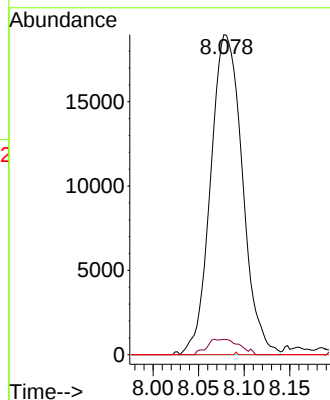
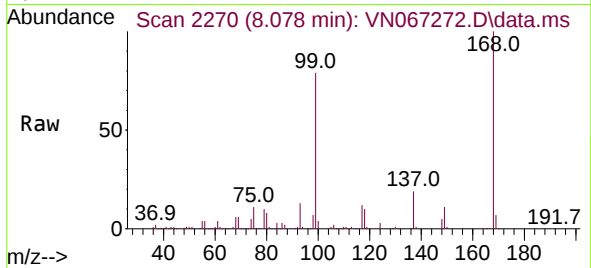




#38
Carbon Tetrachloride
Concen: 6.23 ug/l
RT: 8.078 min Scan# 2270
Delta R.T. -0.131 min
Lab File: VN067272.D
Acq: 10 Jun 2021 15:24

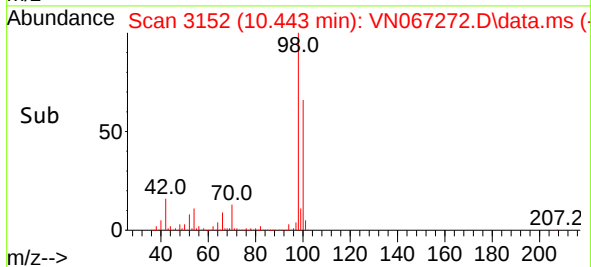
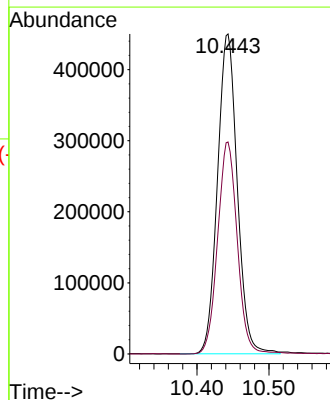
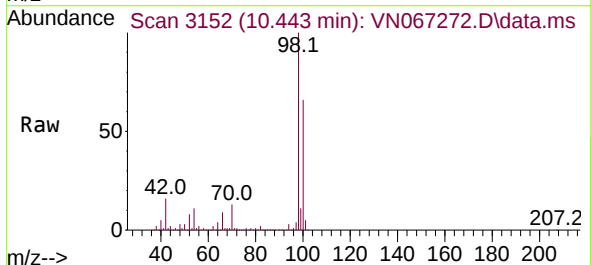
Instrument :
MSVOA_N
ClientSampleId :

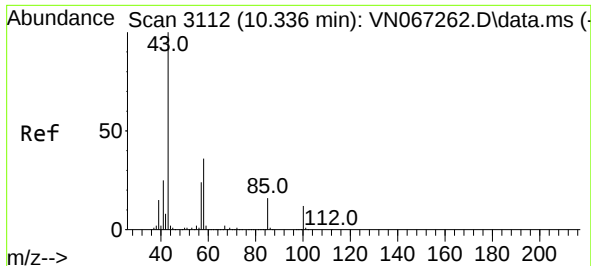
Tgt Ion:117 Resp: 45928
Ion Ratio Lower Upper
117 100
119 4.8 78.2 117.2#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 51.22 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067272.D
Acq: 10 Jun 2021 15:24

Tgt Ion: 98 Resp: 856474
Ion Ratio Lower Upper
98 100
100 65.8 51.8 77.8

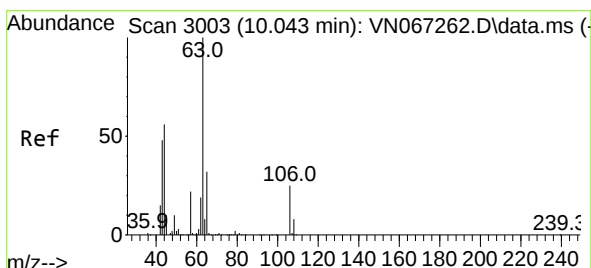
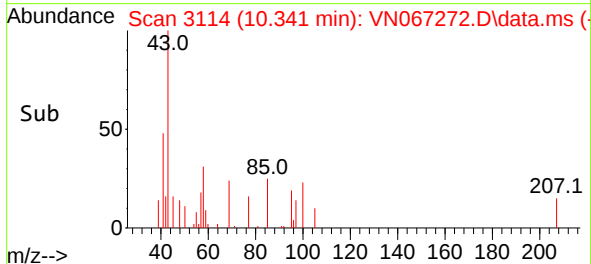
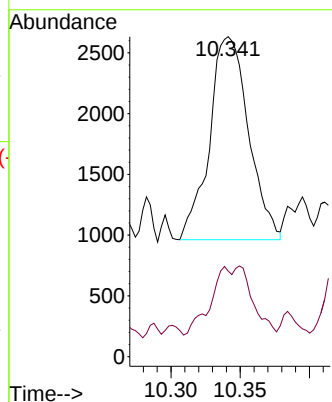
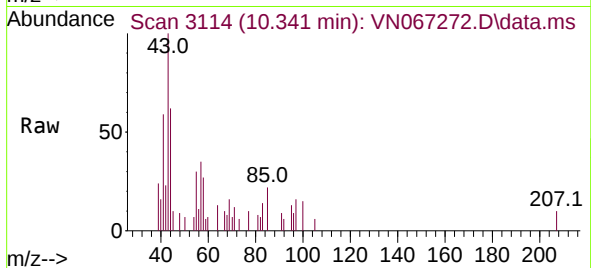




#51
4-Methyl-2-Pentanone
Concen: 0.38 ug/l
RT: 10.341 min Scan# 3114
Delta R.T. 0.005 min
Lab File: VN067272.D
Acq: 10 Jun 2021 15:24

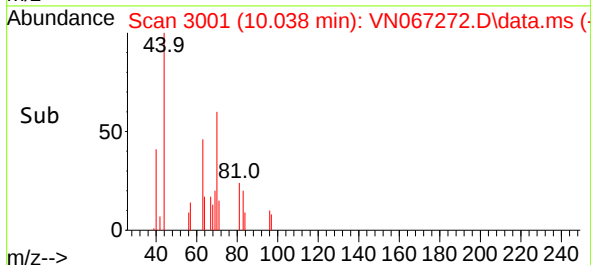
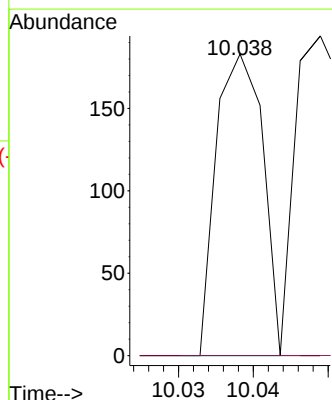
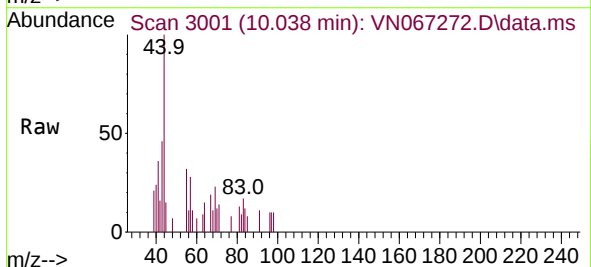
Instrument :
MSVOA_N
ClientSampled :

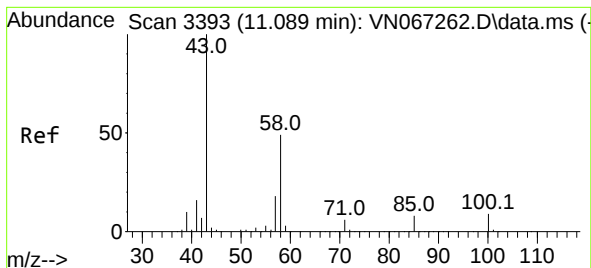
Tgt Ion: 43 Resp: 3284
Ion Ratio Lower Upper
43 100
58 18.6 34.5 51.7#



#58
2-Chloroethyl Vinyl ether
Concen: 28.12 ug/l
RT: 10.038 min Scan# 3001
Delta R.T. -0.005 min
Lab File: VN067272.D
Acq: 10 Jun 2021 15:24

Tgt Ion: 63 Resp: 79
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

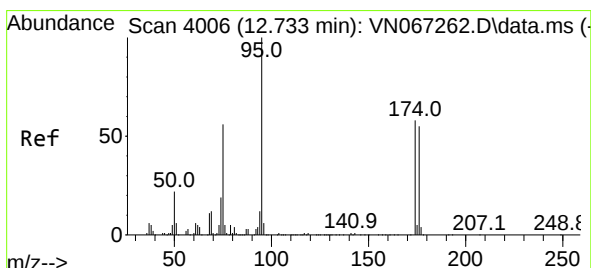
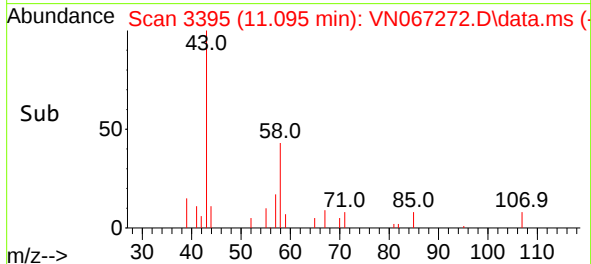
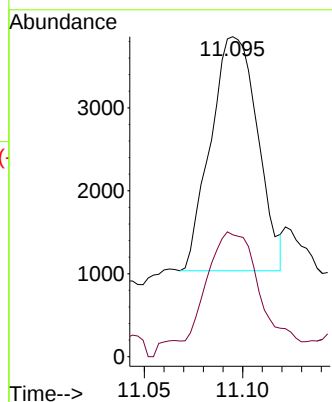
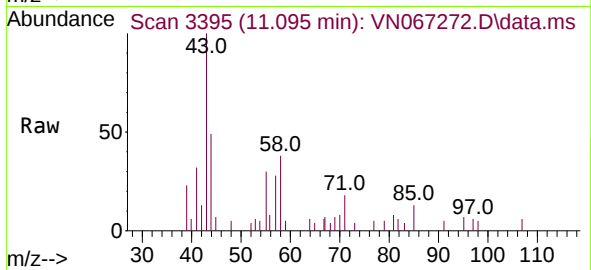




#59
2-Hexanone
Concen: 0.74 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.005 min
Lab File: VN067272.D
Acq: 10 Jun 2021 15:24

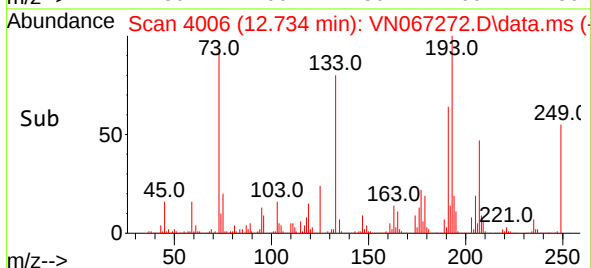
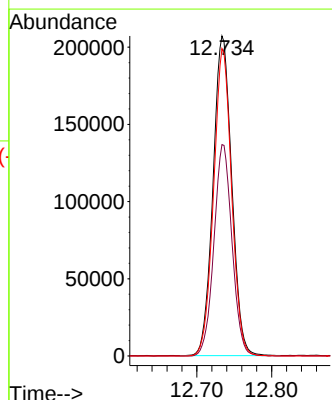
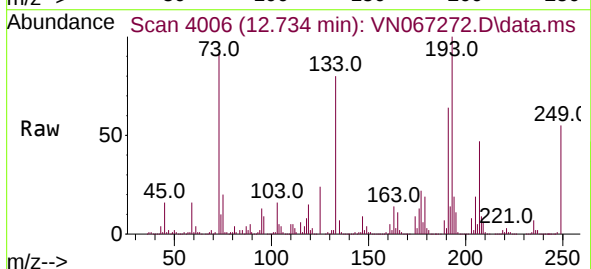
Instrument :
MSVOA_N
ClientSampled :

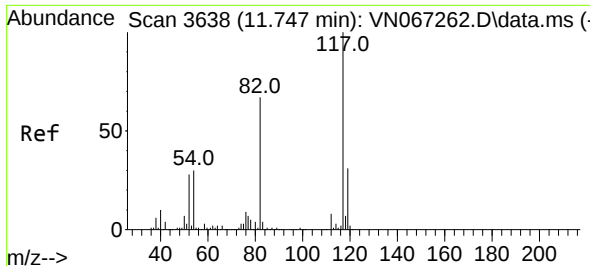
Tgt Ion: 43 Resp: 4683
Ion Ratio Lower Upper
43 100
58 66.3 29.8 89.5



#62
4-Bromofluorobenzene
Concen: 51.65 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067272.D
Acq: 10 Jun 2021 15:24

Tgt Ion: 95 Resp: 359403
Ion Ratio Lower Upper
95 100
174 63.9 0.0 182.8
176 92.6 0.0 176.6

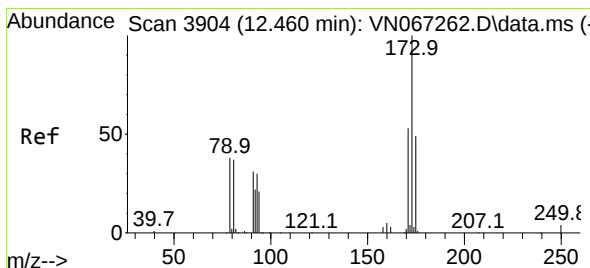
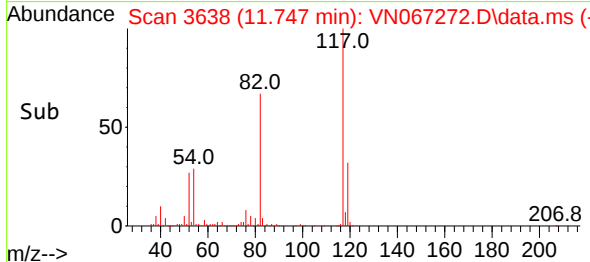
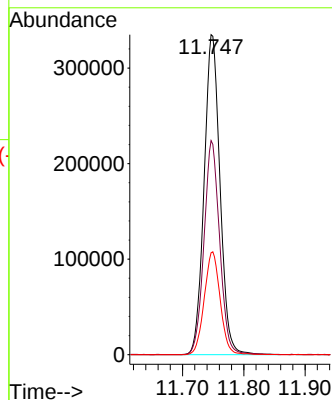
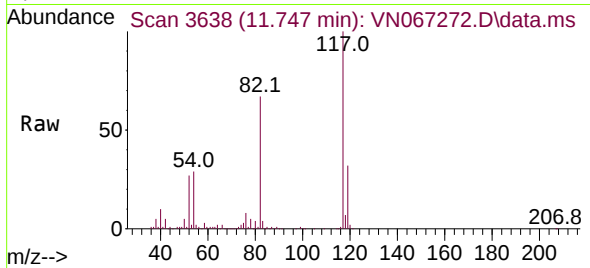




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067272.D
Acq: 10 Jun 2021 15:24

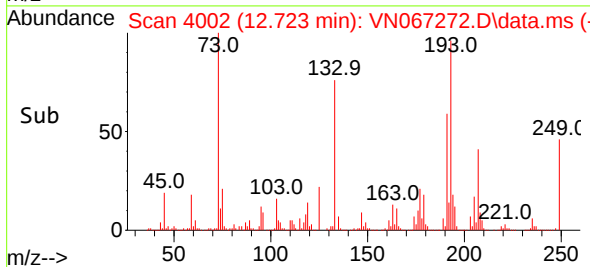
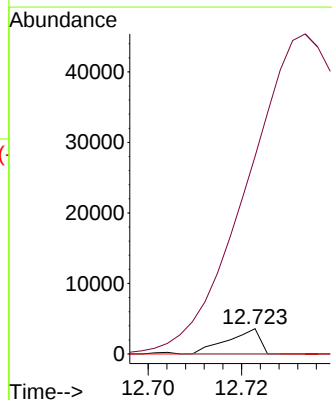
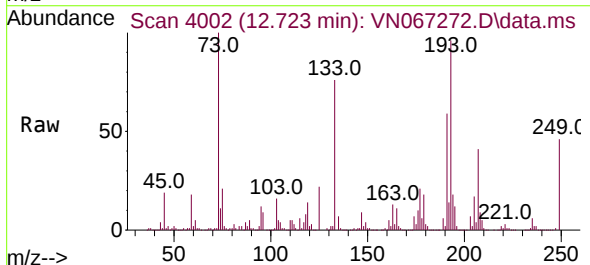
Instrument :
MSVOA_N
ClientSampleId :

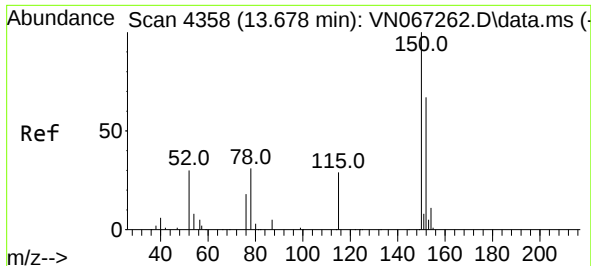
Tgt Ion:117 Resp: 604488
Ion Ratio Lower Upper
117 100
82 66.8 42.2 63.2#
119 31.9 25.8 38.6



#71
Bromoform
Concen: 0.48 ug/l
RT: 12.723 min Scan# 4002
Delta R.T. 0.263 min
Lab File: VN067272.D
Acq: 10 Jun 2021 15:24

Tgt Ion:173 Resp: 1733
Ion Ratio Lower Upper
173 100
175 4181.9 24.3 73.0#
254 0.0 0.0 0.0

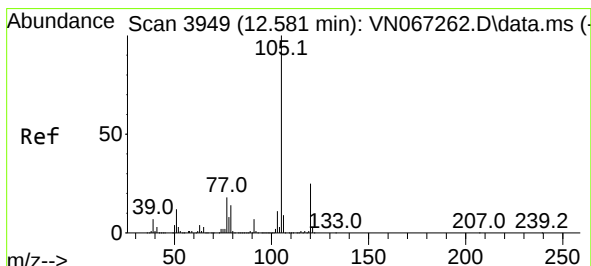
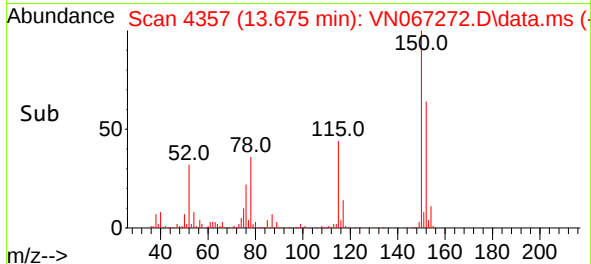
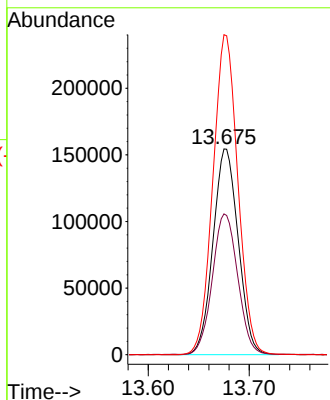
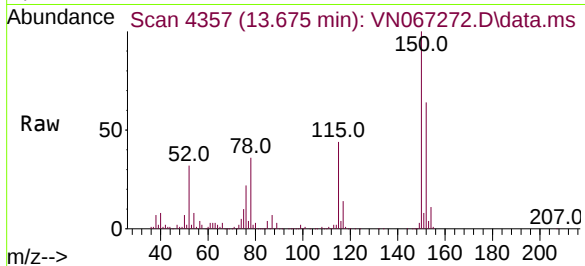




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN067272.D
Acq: 10 Jun 2021 15:24

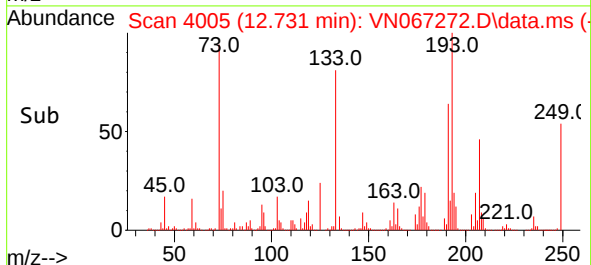
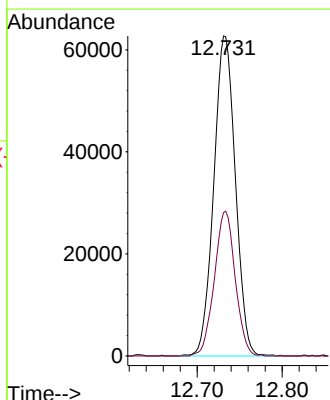
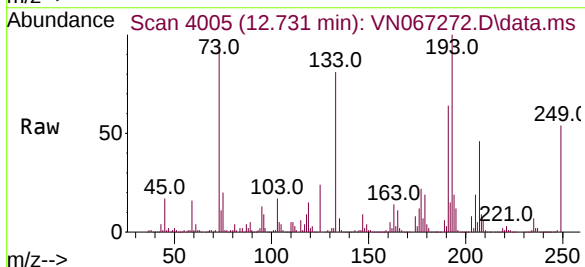
Instrument :
MSVOA_N
ClientSampleId :

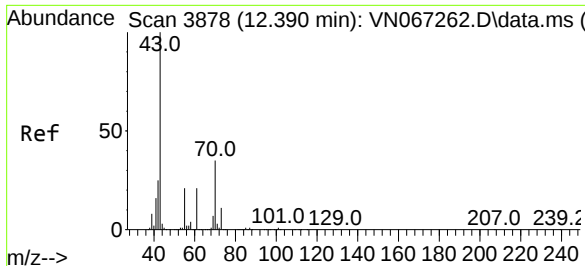
Tgt Ion:152 Resp: 267520
Ion Ratio Lower Upper
152 100
115 68.6 27.0 80.8
150 153.8 0.0 350.2



#73
Isopropylbenzene
Concen: 4.39 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.150 min
Lab File: VN067272.D
Acq: 10 Jun 2021 15:24

Tgt Ion:105 Resp: 110664
Ion Ratio Lower Upper
105 100
120 43.7 13.7 41.0#

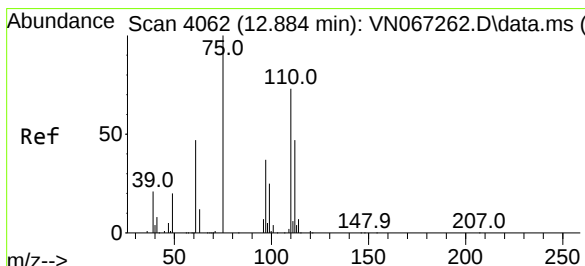
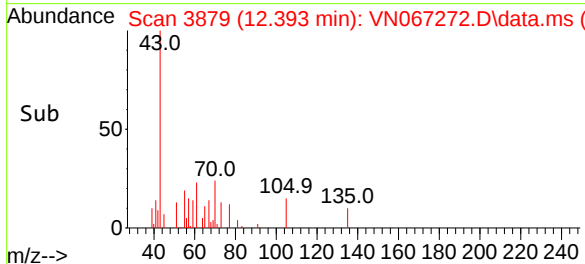
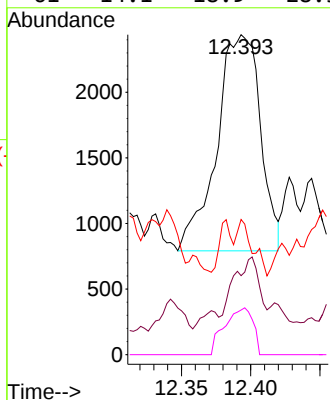
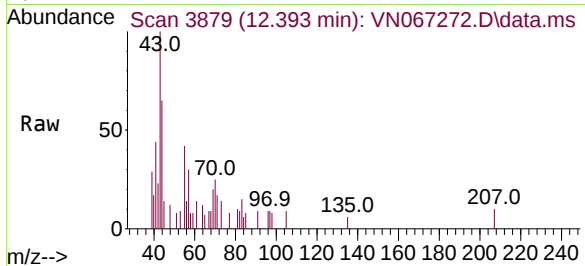




#74
N-amy1 acetate
Concen: 0.29 ug/l
RT: 12.393 min Scan# 3879
Delta R.T. 0.003 min
Lab File: VN067272.D
Acq: 10 Jun 2021 15:24

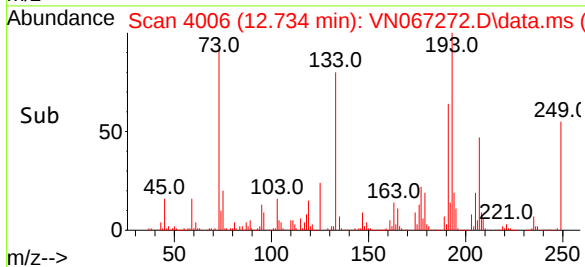
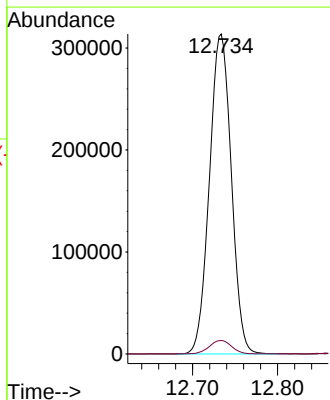
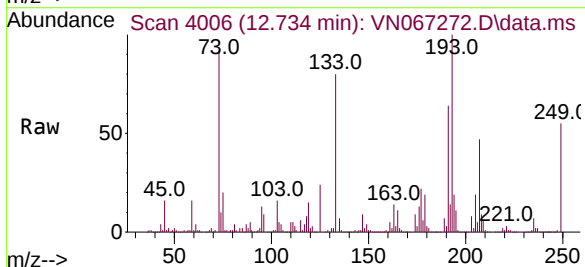
Instrument :
MSVOA_N
ClientSampled :

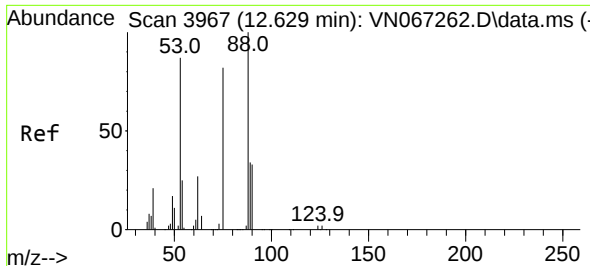
Tgt Ion:	43	Resp:	3606
Ion	Ratio	Lower	Upper
43	100		
70	16.7	36.7	55.1#
55	9.3	17.6	26.4#
61	14.1	18.9	28.3#



#76
1,2,3-Trichloropropane
Concen: 78.88 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067272.D
Acq: 10 Jun 2021 15:24

Tgt Ion:	75	Resp:	560540
Ion	Ratio	Lower	Upper
75	100		
77	4.2	0.0	0.0#

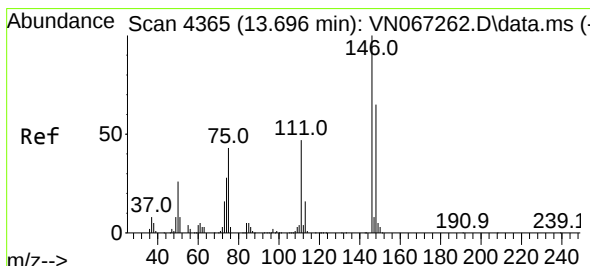
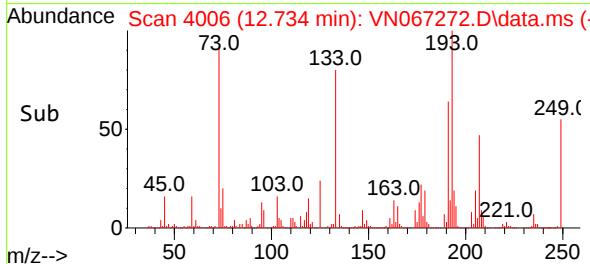
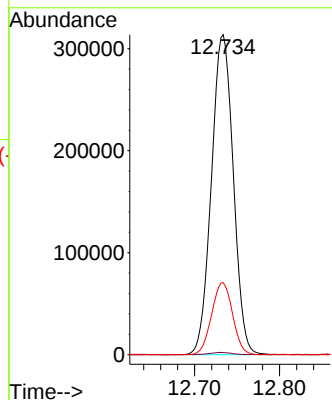
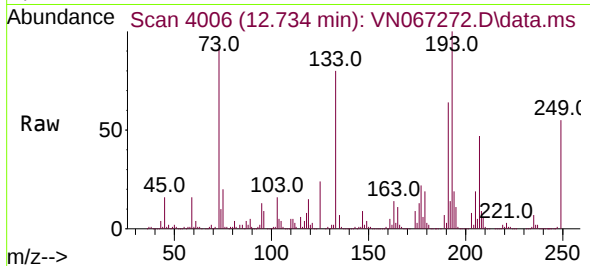




#81
trans-1,4-Dichloro-2-butene
Concen: 201.77 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067272.D
Acq: 10 Jun 2021 15:24

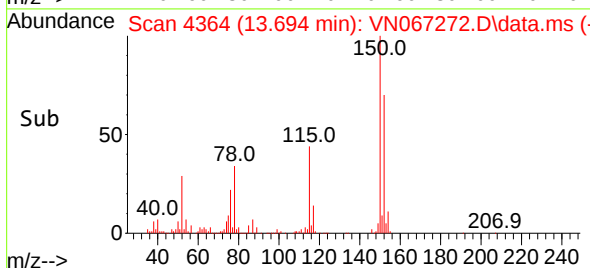
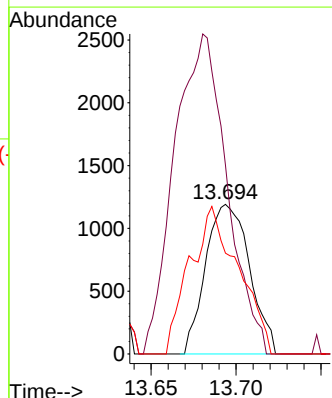
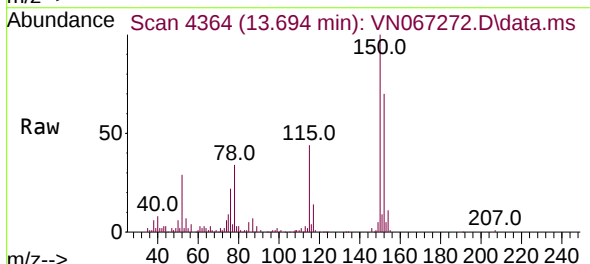
Instrument :
MSVOA_N
ClientSampled :

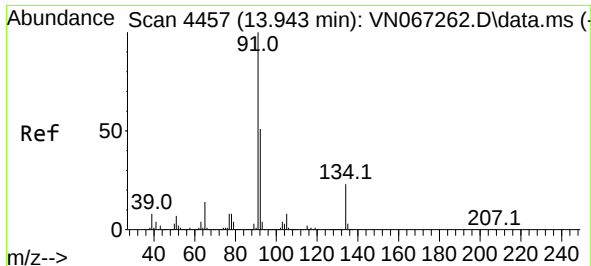
Tgt Ion: 75 Resp: 560540
Ion Ratio Lower Upper
75 100
53 0.7 66.3 99.5#
89 21.6 39.5 59.3#



#88
1,4-Dichlorobenzene
Concen: 0.24 ug/l
RT: 13.694 min Scan# 4364
Delta R.T. -0.003 min
Lab File: VN067272.D
Acq: 10 Jun 2021 15:24

Tgt Ion: 146 Resp: 2146
Ion Ratio Lower Upper
146 100
111 254.5 18.5 55.5#
148 108.7 31.4 94.3#

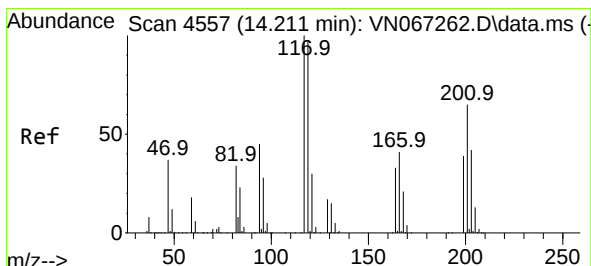
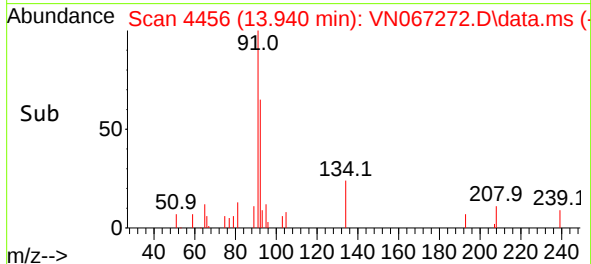
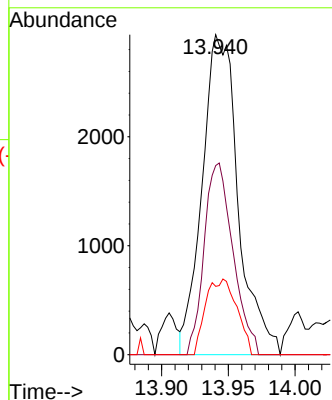
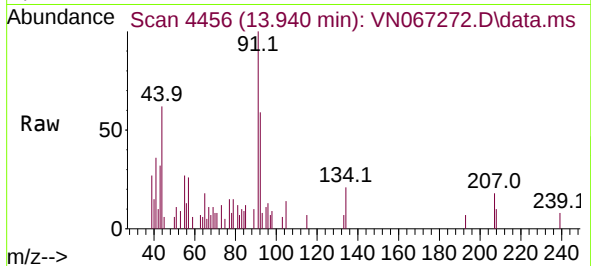




#89
n-Butylbenzene
Concen: 0.29 ug/l
RT: 13.940 min Scan# 4456
Delta R.T. -0.003 min
Lab File: VN067272.D
Acq: 10 Jun 2021 15:24

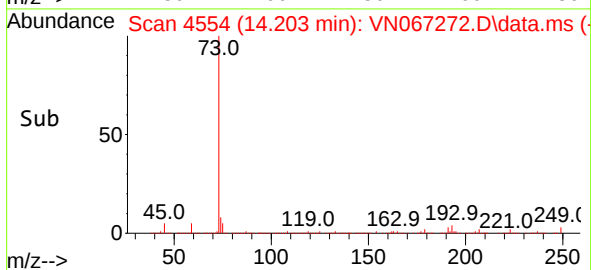
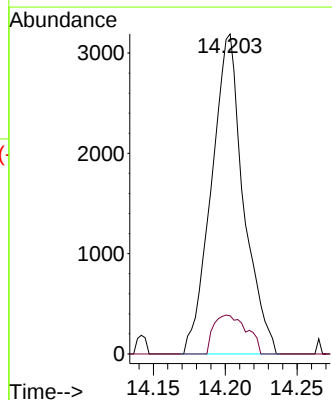
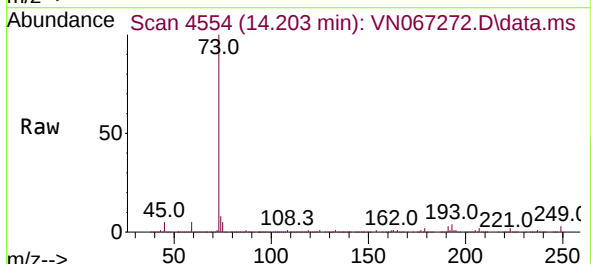
Instrument :
MSVOA_N
ClientSampleId :

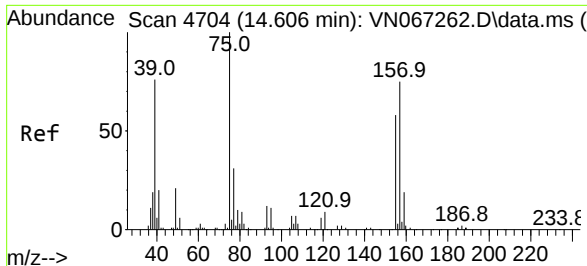
Tgt Ion: 91	Resp: 5519
Ion Ratio	Lower Upper
91 100	
92 47.9	26.5 79.5
134 20.4	14.3 42.9



#90
Hexachloroethane
Concen: 1.30 ug/l
RT: 14.203 min Scan# 4554
Delta R.T. -0.008 min
Lab File: VN067272.D
Acq: 10 Jun 2021 15:24

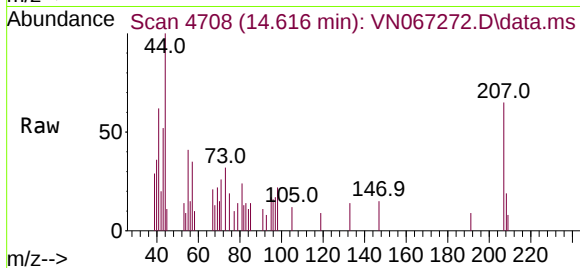
Tgt Ion: 117	Resp: 4944
Ion Ratio	Lower Upper
117 100	
201 12.5	45.5 136.5#



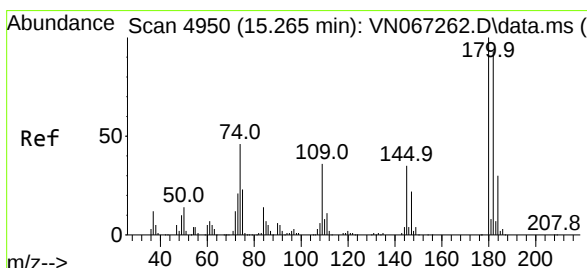
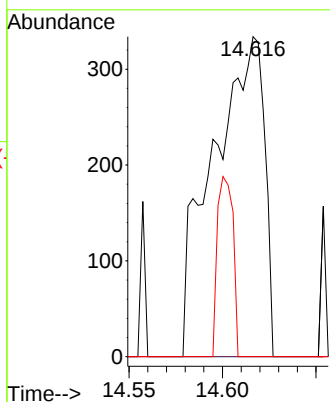
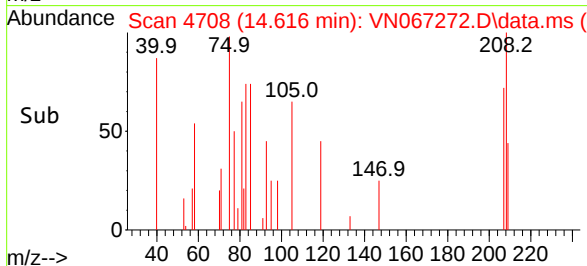


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.35 ug/l
 RT: 14.616 min Scan# 4708
 Delta R.T. 0.011 min
 Lab File: VN067272.D
 Acq: 10 Jun 2021 15:24

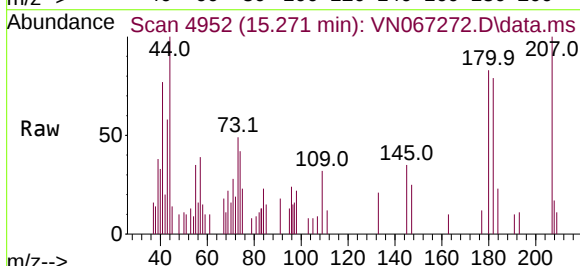
Instrument :
 MSVOA_N
 ClientSampleId :



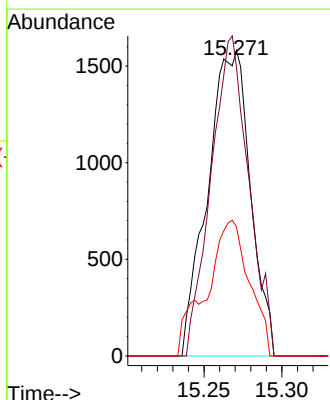
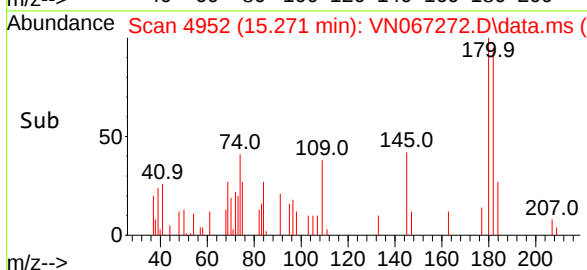
Tgt Ion: 75 Resp: 639
 Ion Ratio Lower Upper
 75 100
 155 0.0 49.9 149.7#
 157 17.1 63.8 191.4#

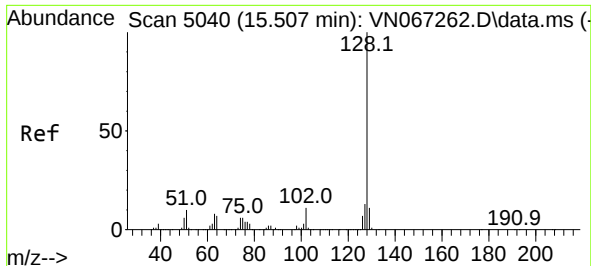


#93
 1,2,4-Trichlorobenzene
 Concen: 0.68 ug/l
 RT: 15.271 min Scan# 4952
 Delta R.T. 0.005 min
 Lab File: VN067272.D
 Acq: 10 Jun 2021 15:24



Tgt Ion: 180 Resp: 3023
 Ion Ratio Lower Upper
 180 100
 182 92.2 47.3 141.8
 145 36.4 14.0 42.0

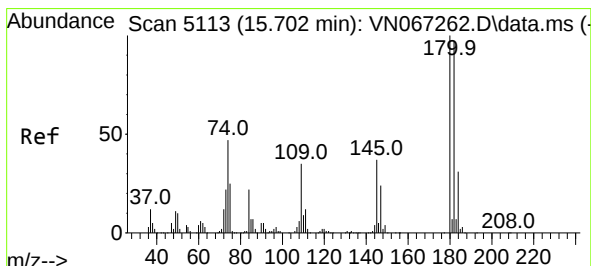
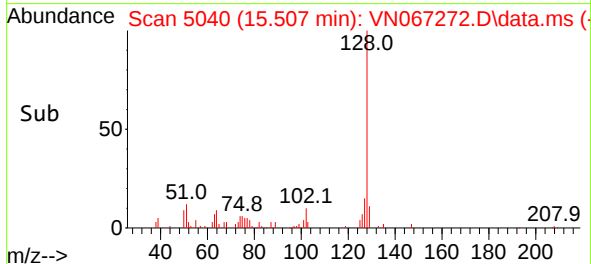
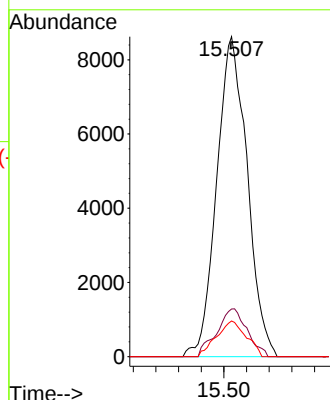
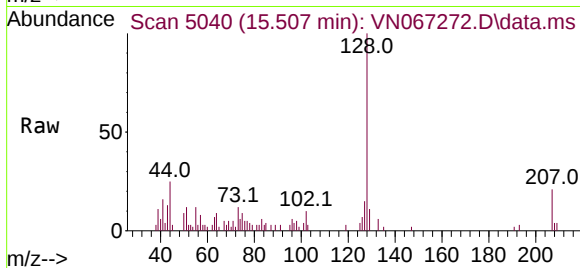




#95
Naphthalene
Concen: 5.63 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN067272.D
Acq: 10 Jun 2021 15:24

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128	Resp:	16106
Ion Ratio	Lower	Upper
128	100	
127	14.8	10.2 15.2
129	10.9	8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.81 ug/l
RT: 15.703 min Scan# 5113
Delta R.T. 0.000 min
Lab File: VN067272.D
Acq: 10 Jun 2021 15:24

Tgt Ion:180	Resp:	3330
Ion Ratio	Lower	Upper
180	100	
182	93.4	48.5 145.6
145	37.5	15.4 46.2

