

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042621\
 Data File : VN066759.D
 Acq On : 26 Apr 2021 14:23
 Operator : JC/MD
 Sample : M2118-01
 Misc : 5.04g/10mL/100uL/5.0mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 26 14:50:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042121W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 22 08:25:55 2021
 Response via : Initial Calibration

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

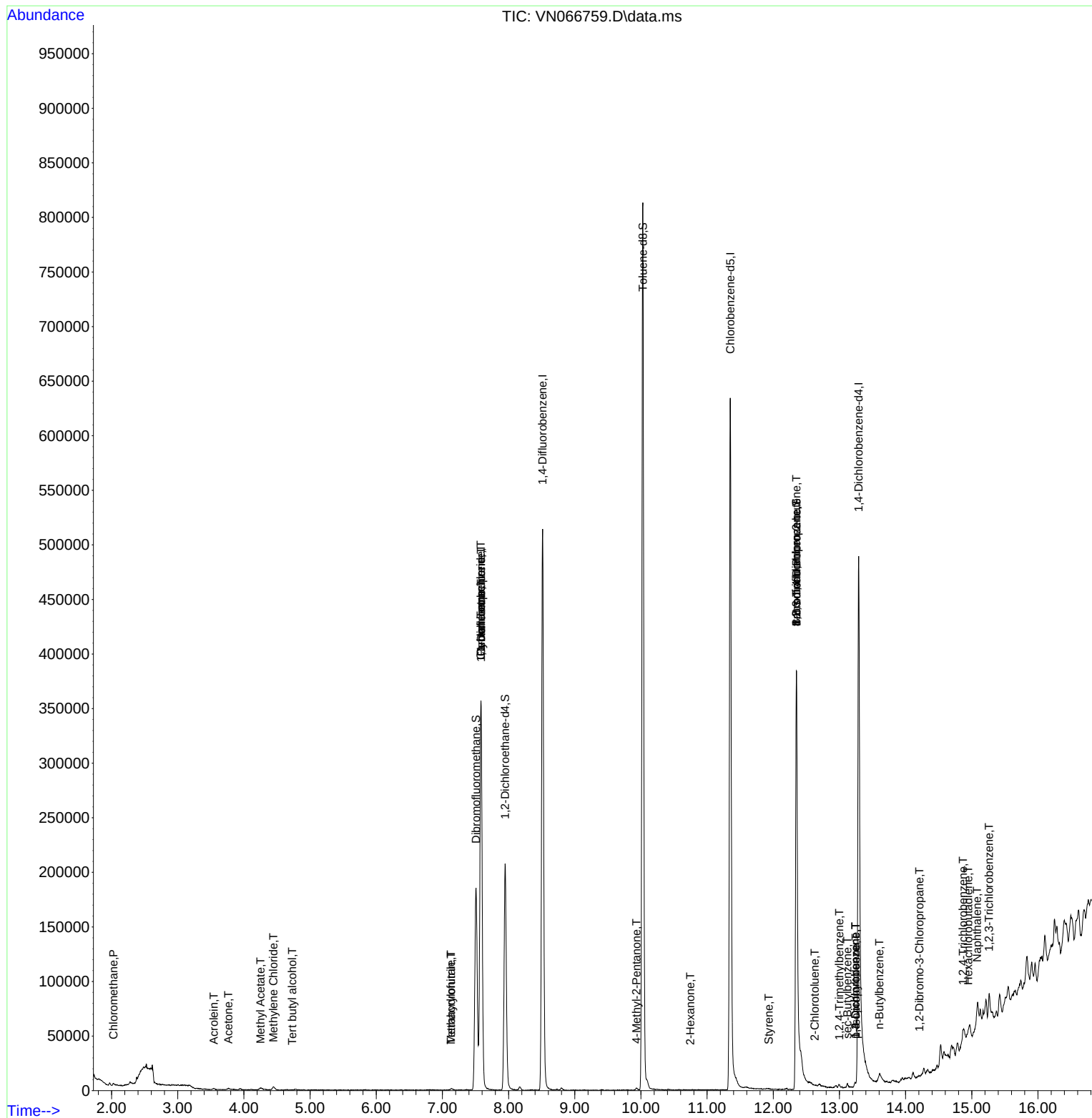
Internal Standards						
1) Pentafluorobenzene	7.583	168	324403	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.514	114	489980	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.351	117	423442	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.290	152	188788	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.948	65	178734	45.10	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	90.20%		
35) Dibromofluoromethane	7.508	113	152517	49.71	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.42%		
50) Toluene-d8	10.029	98	595783	49.79	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.58%		
62) 4-Bromofluorobenzene	12.349	95	165940	40.49	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	80.98%		
Target Compounds						Qvalue
3) Chloromethane	2.029	50	1514	0.29	ug/l	96
11) Tert butyl alcohol	4.729	59	110	0.22	ug/l #	73
13) Acrolein	3.544	56	1240	2.23	ug/l #	53
16) Acetone	3.764	43	1189	0.80	ug/l	95
18) Methyl Acetate	4.249	43	3718	0.90	ug/l #	58
20) Methylene Chloride	4.445	84	1959	0.44	ug/l #	90
29) Tetrahydrofuran	7.130	42	471	0.32	ug/l #	88
31) Cyclohexane	7.583	56	5356	0.83	ug/l #	1
36) 1,1-Dichloropropene	7.586	75	21291	4.67	ug/l #	47
38) Carbon Tetrachloride	7.580	117	27374	6.31	ug/l #	17
41) Methacrylonitrile	7.130	41	433	0.20	ug/l #	100
51) 4-Methyl-2-Pentanone	9.932	43	1914	0.45	ug/l #	81
59) 2-Hexanone	10.748	43	54	16.65	ug/l #	23
70) Styrene	11.930	104	193	3.00	ug/l #	19
71) Bromoform	12.349	173	1017	0.43	ug/l #	1
76) 1,2,3-Trichloropropane	12.349	75	89763	22.22	ug/l #	100
79) 2-Chlorotoluene	12.625	91	372	0.97	ug/l	77
81) trans-1,4-Dichloro-2-b...	12.349	75	89763	66.06	ug/l #	12
84) 1,2,4-Trimethylbenzene	12.998	105	2267	0.21	ug/l	100
85) sec-Butylbenzene	13.121	105	3052	0.24	ug/l	82
86) p-Isopropyltoluene	13.247	119	3360	0.32	ug/l #	63
87) 1,3-Dichlorobenzene	13.242	146	1400	0.24	ug/l	89
88) 1,4-Dichlorobenzene	13.242	146	1400	0.22	ug/l	89
89) n-Butylbenzene	13.604	91	5042	0.53	ug/l #	38
92) 1,2-Dibromo-3-Chloropr...	14.210	75	192	0.24	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.867	180	5320	3.43	ug/l	93
94) Hexachlorobutadiene	14.948	225	924	0.50	ug/l #	76
95) Naphthalene	15.082	128	29696	5.13	ug/l	98
96) 1,2,3-Trichlorobenzene	15.259	180	6392	3.22	ug/l #	77

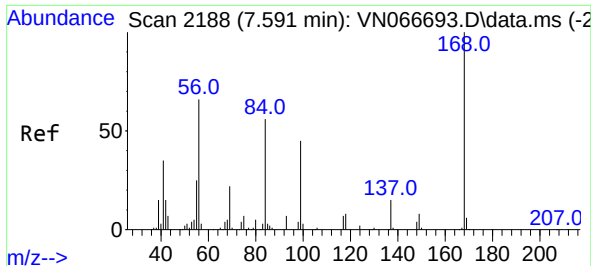
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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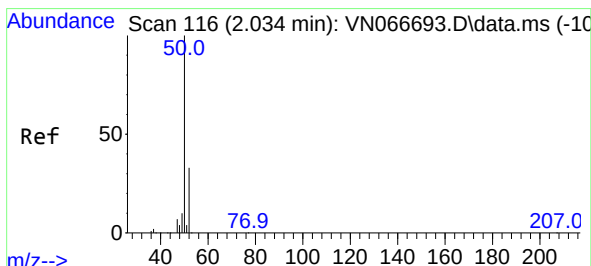
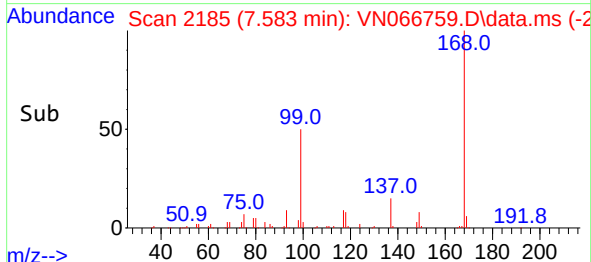
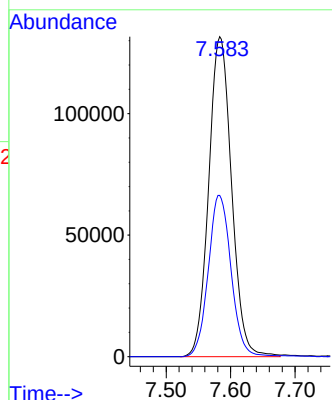
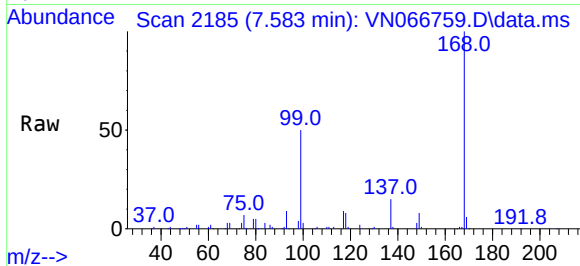




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.583 min Scan# 2185
Delta R.T. -0.008 min
Lab File: VN066759.D
Acq: 26 Apr 2021 14:23

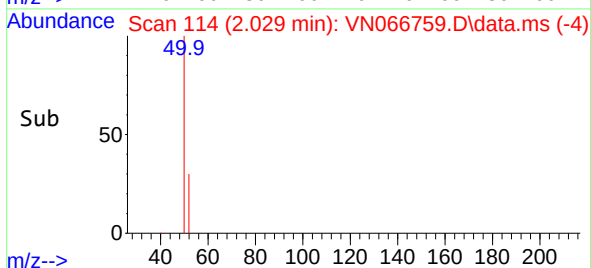
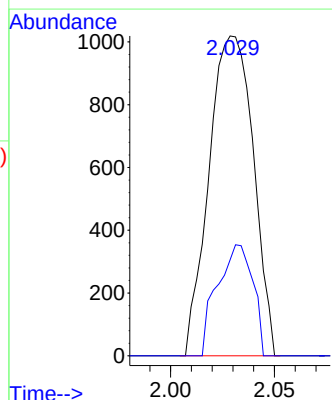
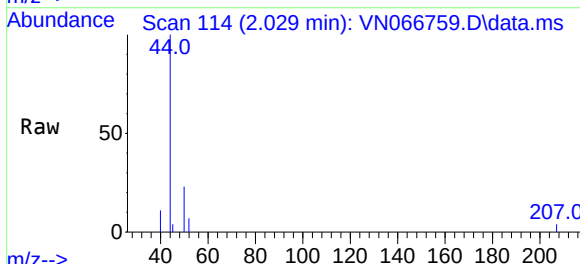
Instrument :
MSVOA_N
ClientSampled :

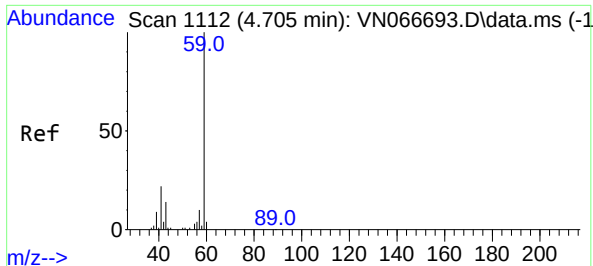
Tgt Ion:168 Resp: 324403
Ion Ratio Lower Upper
168 100
99 50.4 42.6 63.8



#3
Chloromethane
Concen: 0.29 ug/l
RT: 2.029 min Scan# 114
Delta R.T. -0.005 min
Lab File: VN066759.D
Acq: 26 Apr 2021 14:23

Tgt Ion: 50 Resp: 1514
Ion Ratio Lower Upper
50 100
52 30.0 25.8 38.8

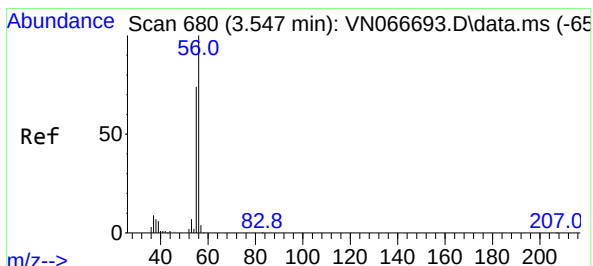
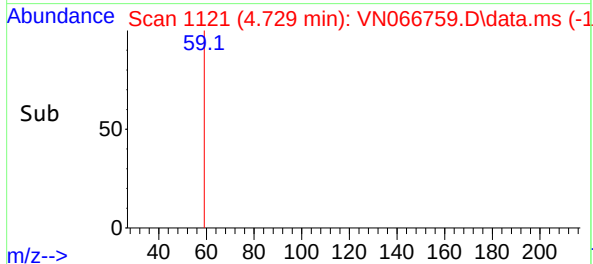
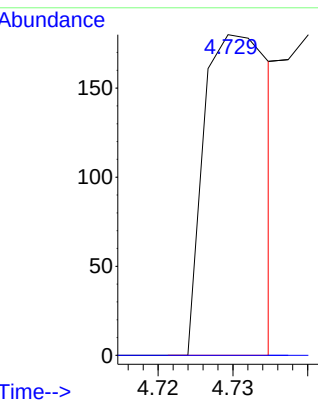
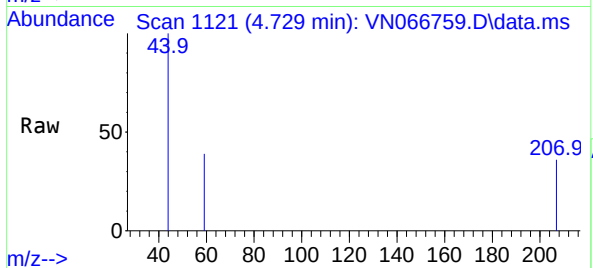




#11
Tert butyl alcohol
Concen: 0.22 ug/l
RT: 4.729 min Scan# 1121
Delta R.T. 0.024 min
Lab File: VN066759.D
Acq: 26 Apr 2021 14:23

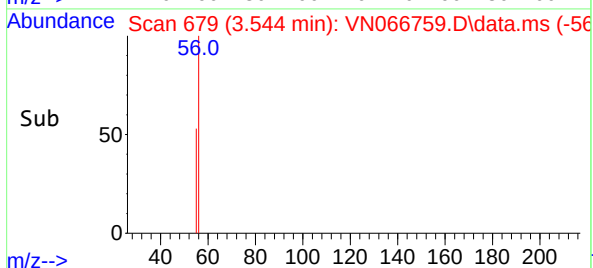
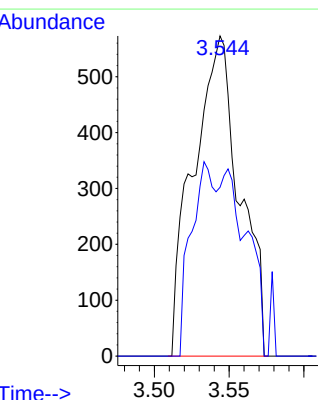
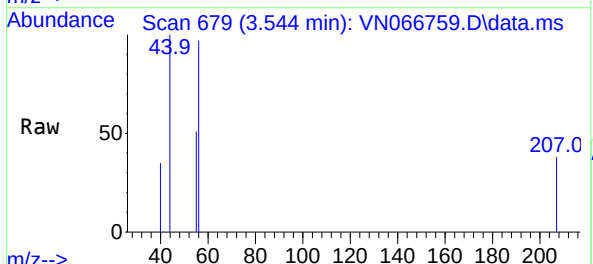
Instrument :
MSVOA_N
ClientSampled :

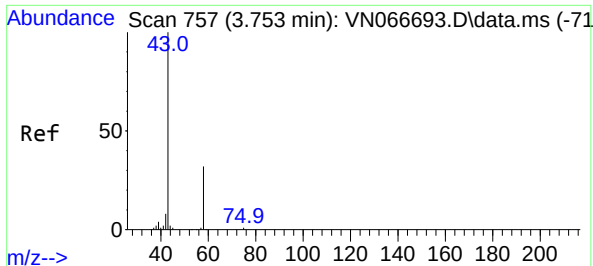
Tgt Ion: 59 Resp: 110
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#13
Acrolein
Concen: 2.23 ug/l
RT: 3.544 min Scan# 679
Delta R.T. -0.003 min
Lab File: VN066759.D
Acq: 26 Apr 2021 14:23

Tgt Ion: 56 Resp: 1240
Ion Ratio Lower Upper
56 100
55 31.7 56.0 84.0#

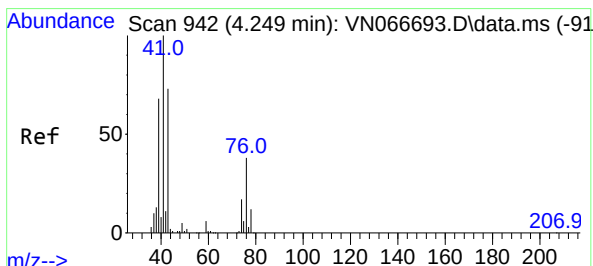
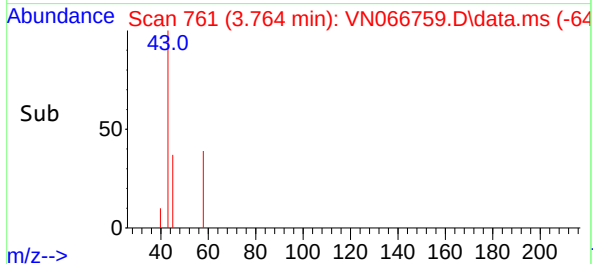
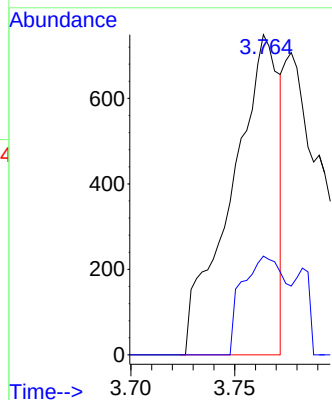
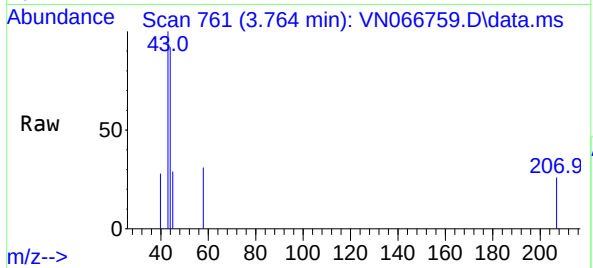




#16
Acetone
Concen: 0.80 ug/l
RT: 3.764 min Scan# 761
Delta R.T. 0.011 min
Lab File: VN066759.D
Acq: 26 Apr 2021 14:23

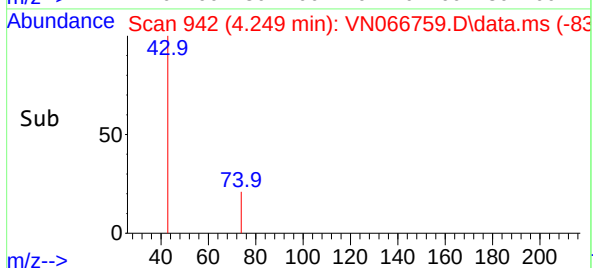
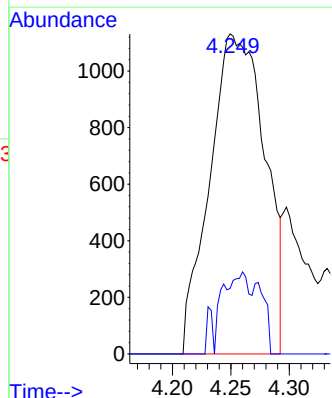
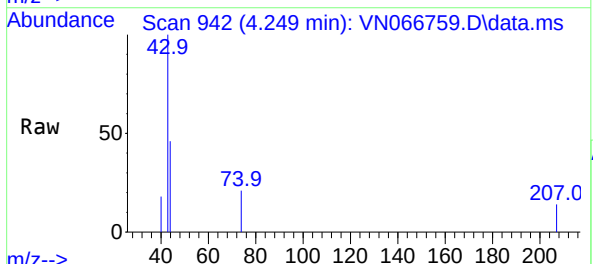
Instrument :
MSVOA_N
ClientSampleId :

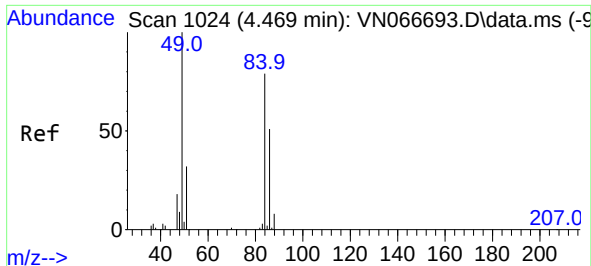
Tgt Ion: 43 Resp: 1189
Ion Ratio Lower Upper
43 100
58 30.8 27.0 40.6



#18
Methyl Acetate
Concen: 0.90 ug/l
RT: 4.249 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN066759.D
Acq: 26 Apr 2021 14:23

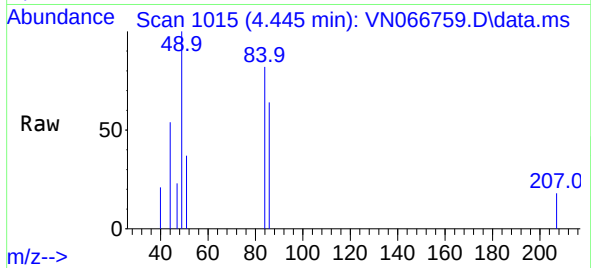
Tgt Ion: 43 Resp: 3718
Ion Ratio Lower Upper
43 100
74 3.8 19.5 29.3#



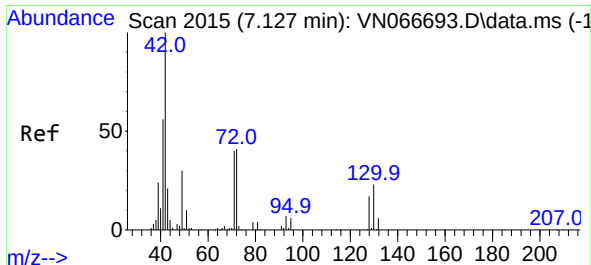
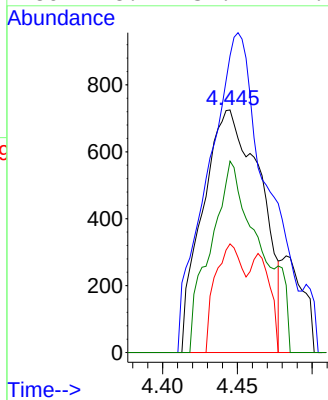
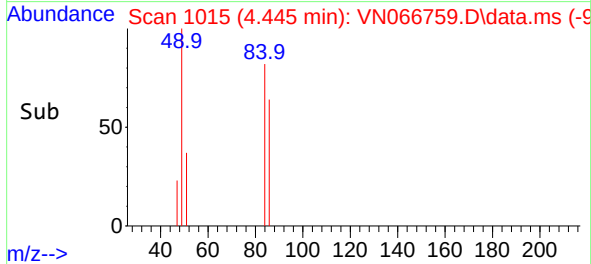


#20
Methylene Chloride
Concen: 0.44 ug/l
RT: 4.445 min Scan# 1015
Delta R.T. -0.024 min
Lab File: VN066759.D
Acq: 26 Apr 2021 14:23

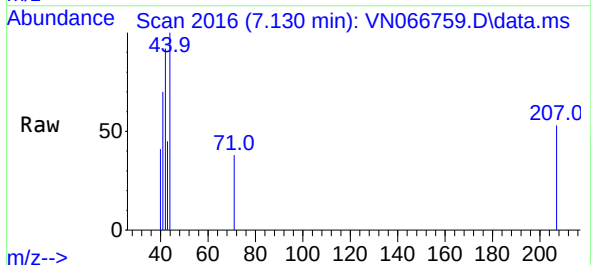
Instrument :
MSVOA_N
ClientSampleId :



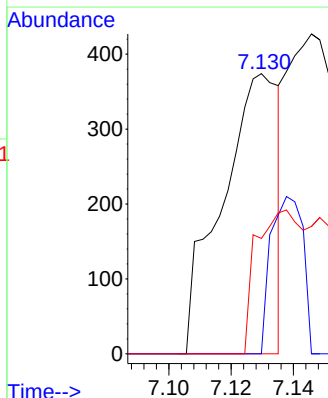
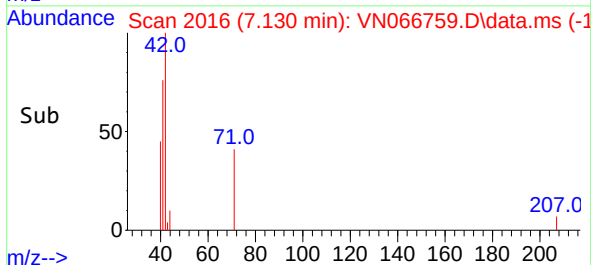
Tgt Ion: 84 Resp: 1959
Ion Ratio Lower Upper
84 100
49 122.3 94.6 141.8
51 44.8 29.9 44.9
86 78.9 51.4 77.2#

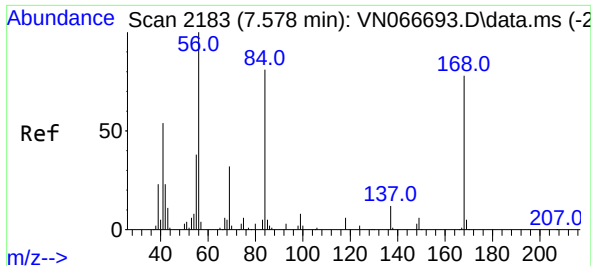


#29
Tetrahydrofuran
Concen: 0.32 ug/l
RT: 7.130 min Scan# 2016
Delta R.T. 0.003 min
Lab File: VN066759.D
Acq: 26 Apr 2021 14:23



Tgt Ion: 42 Resp: 471
Ion Ratio Lower Upper
42 100
72 31.6 36.6 55.0#
71 41.2 34.3 51.5

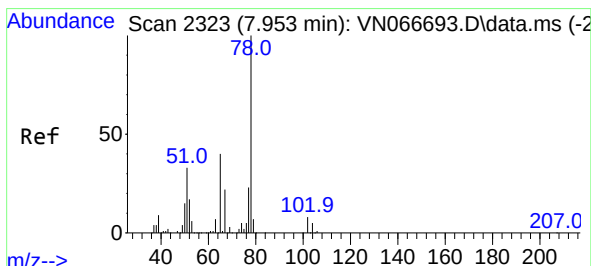
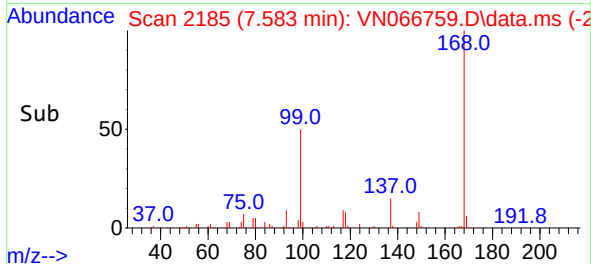
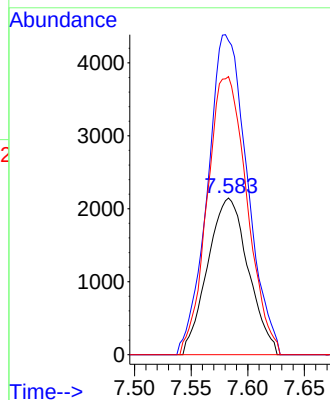
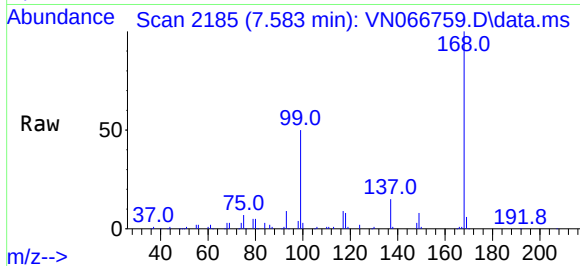




#31
Cyclohexane
Concen: 0.83 ug/l
RT: 7.583 min Scan# 2185
Delta R.T. 0.005 min
Lab File: VN066759.D
Acq: 26 Apr 2021 14:23

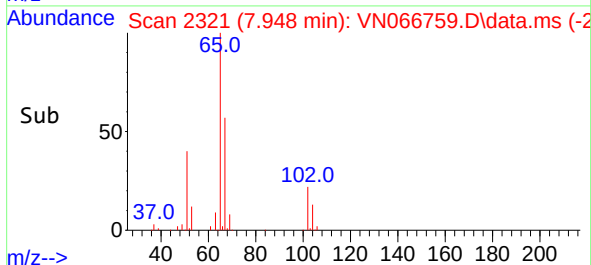
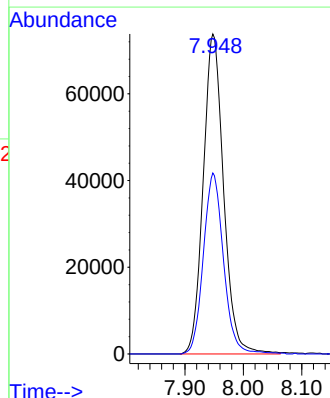
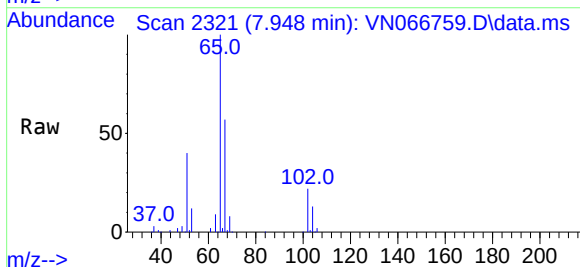
Instrument :
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ClientSampleId :

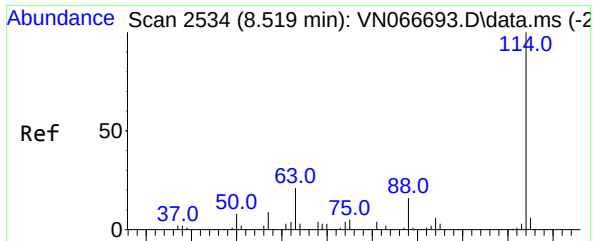
Tgt Ion: 56 Resp: 5356
Ion Ratio Lower Upper
56 100
69 200.4 26.6 39.8#
84 177.5 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 45.10 ug/l
RT: 7.948 min Scan# 2321
Delta R.T. -0.005 min
Lab File: VN066759.D
Acq: 26 Apr 2021 14:23

Tgt Ion: 65 Resp: 178734
Ion Ratio Lower Upper
65 100
67 55.9 0.0 107.2

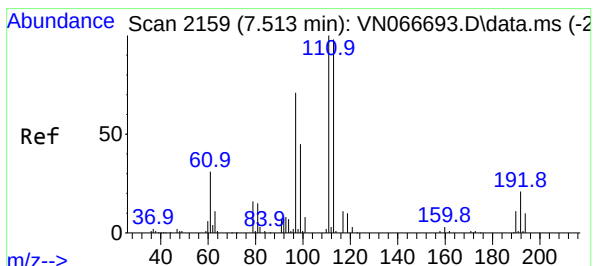
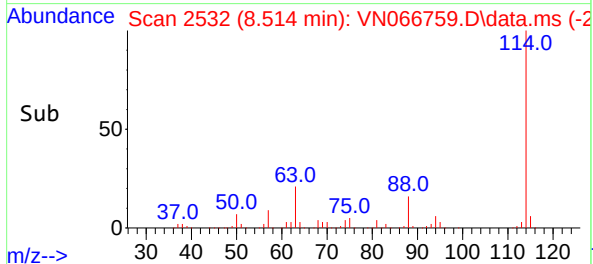
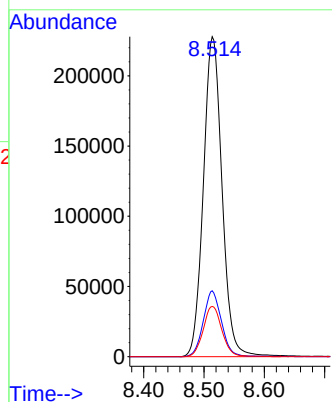
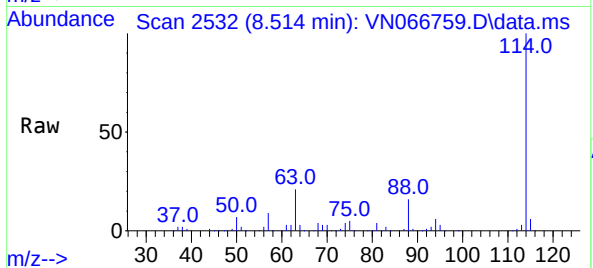




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.514 min Scan# 2532
Delta R.T. -0.005 min
Lab File: VN066759.D
Acq: 26 Apr 2021 14:23

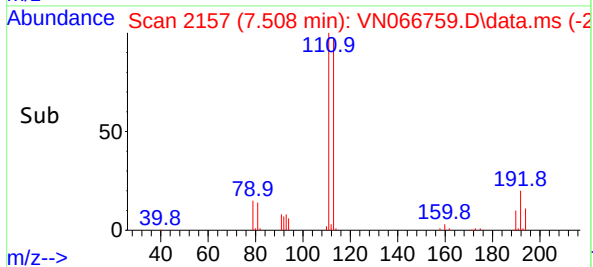
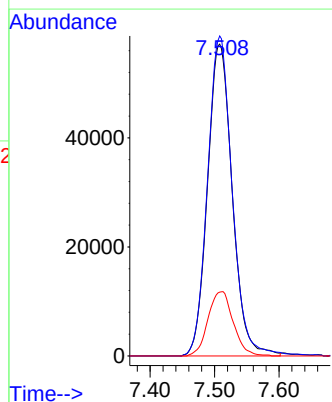
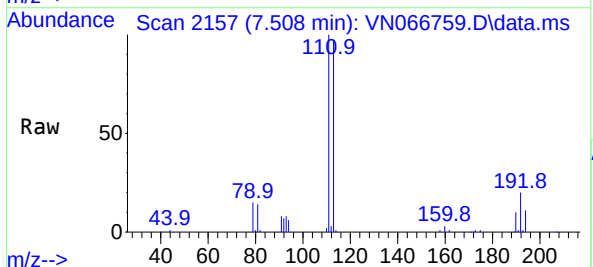
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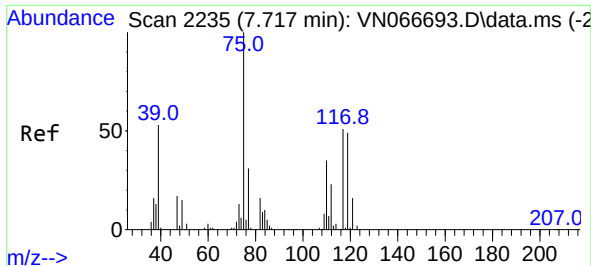
Tgt Ion:114 Resp: 489980
Ion Ratio Lower Upper
114 100
63 20.6 0.0 38.6
88 15.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.71 ug/l
RT: 7.508 min Scan# 2157
Delta R.T. -0.005 min
Lab File: VN066759.D
Acq: 26 Apr 2021 14:23

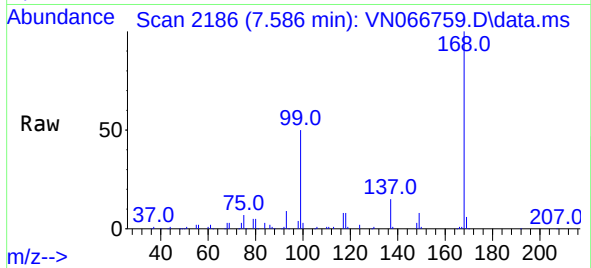
Tgt Ion:113 Resp: 152517
Ion Ratio Lower Upper
113 100
111 102.6 82.2 123.2
192 21.1 15.4 23.0



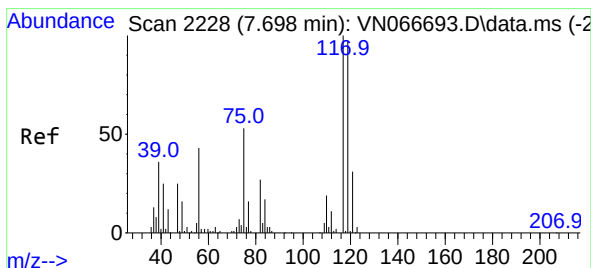
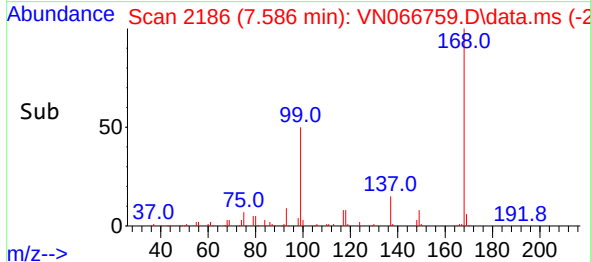
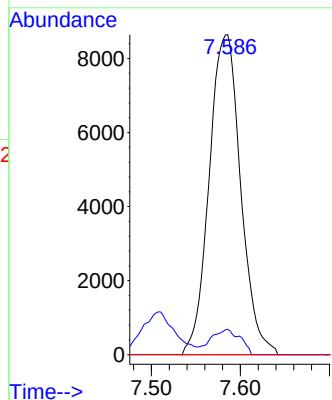


#36
1,1-Dichloropropene
Concen: 4.67 ug/l
RT: 7.586 min Scan# 2186
Delta R.T. -0.131 min
Lab File: VN066759.D
Acq: 26 Apr 2021 14:23

Instrument :
MSVOA_N
ClientSampleId :

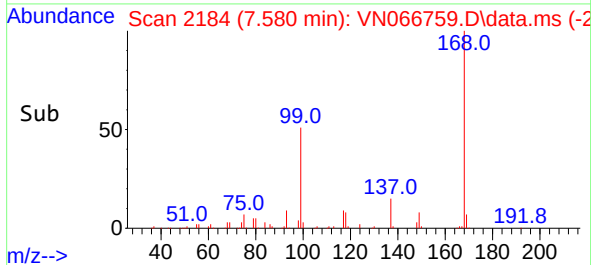
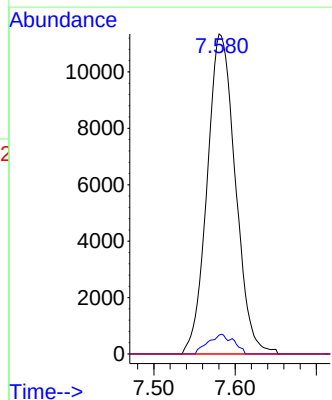
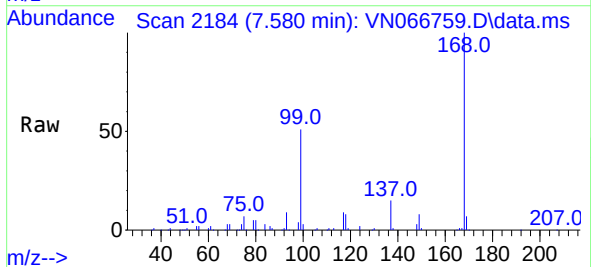


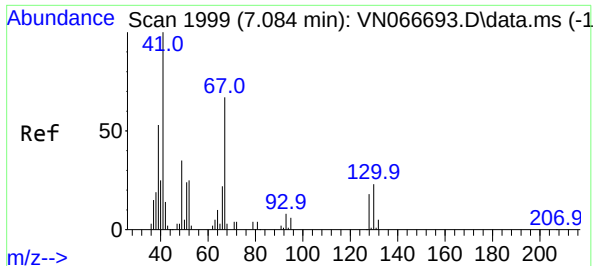
Tgt Ion: 75 Resp: 21291
Ion Ratio Lower Upper
75 100
110 7.1 18.2 54.6#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 6.31 ug/l
RT: 7.580 min Scan# 2184
Delta R.T. -0.118 min
Lab File: VN066759.D
Acq: 26 Apr 2021 14:23

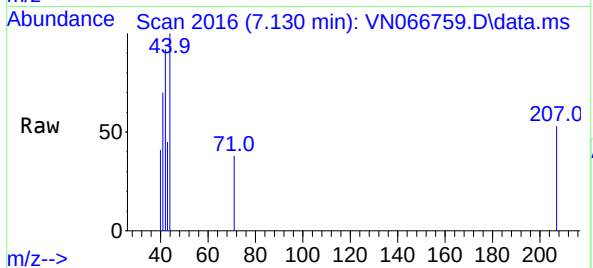
Tgt Ion: 117 Resp: 27374
Ion Ratio Lower Upper
117 100
119 5.9 76.0 114.0#
121 0.0 24.5 36.7#





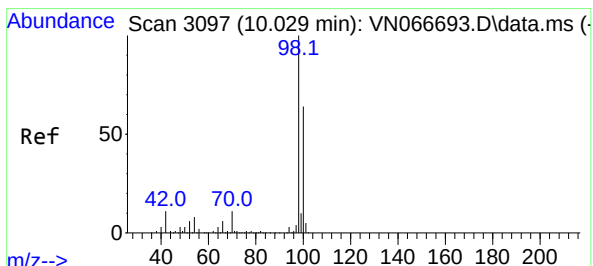
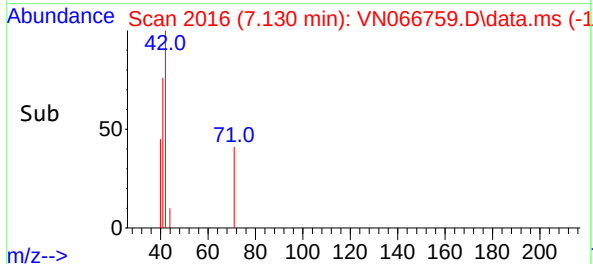
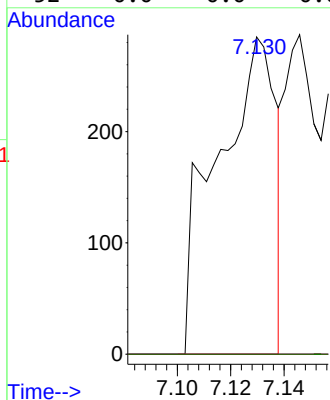
#41
Methacrylonitrile
Concen: 0.20 ug/l
RT: 7.130 min Scan# 2016
Delta R.T. 0.046 min
Lab File: VN066759.D
Acq: 26 Apr 2021 14:23

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 41 Resp: 433

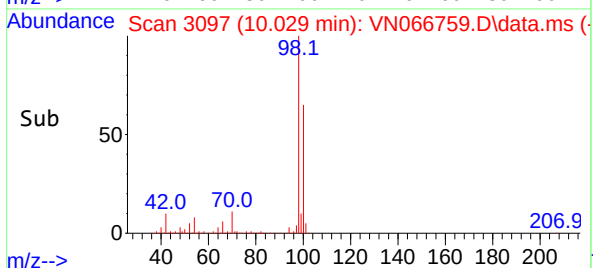
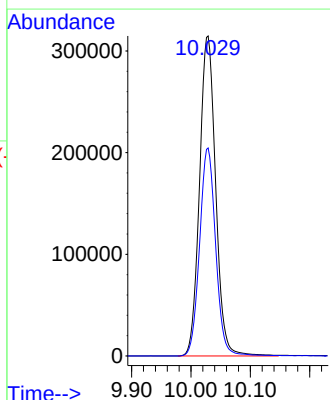
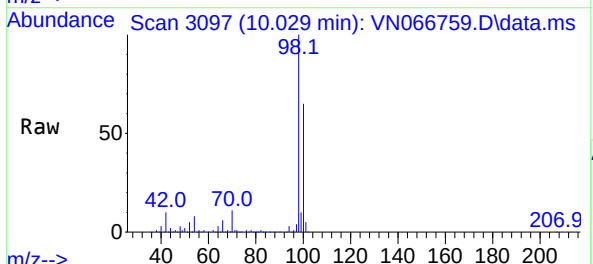
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

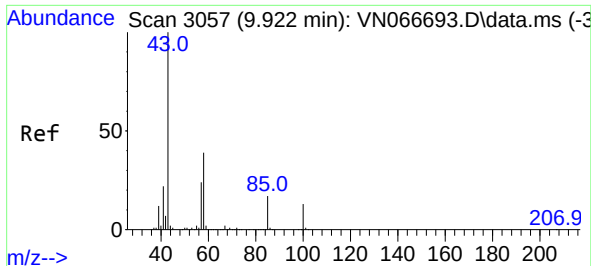


#50
Toluene-d8
Concen: 49.79 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066759.D
Acq: 26 Apr 2021 14:23

Tgt Ion: 98 Resp: 595783

Ion	Ratio	Lower	Upper
98	100		
100	64.7	50.5	75.7

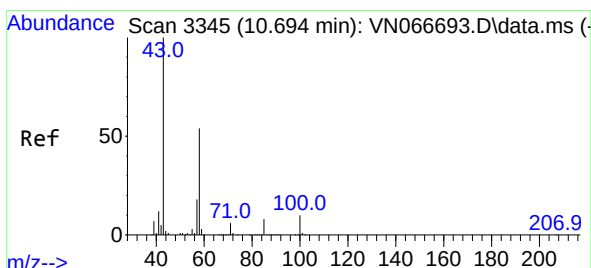
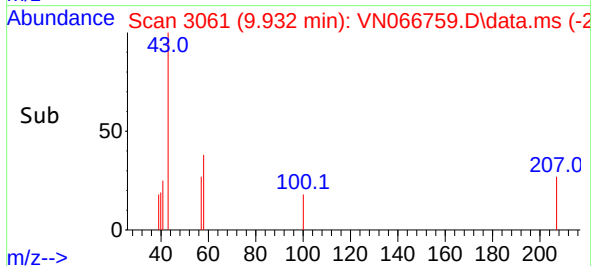
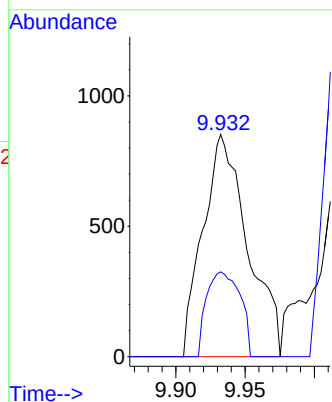
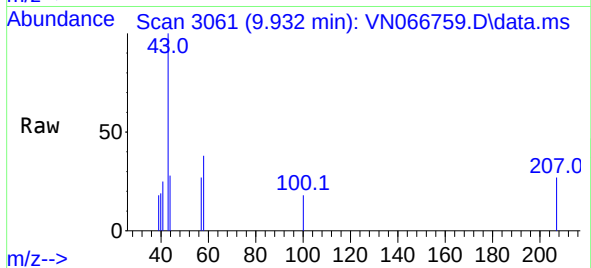




#51
4-Methyl-2-Pentanone
Concen: 0.45 ug/l
RT: 9.932 min Scan# 3061
Delta R.T. 0.010 min
Lab File: VN066759.D
Acq: 26 Apr 2021 14:23

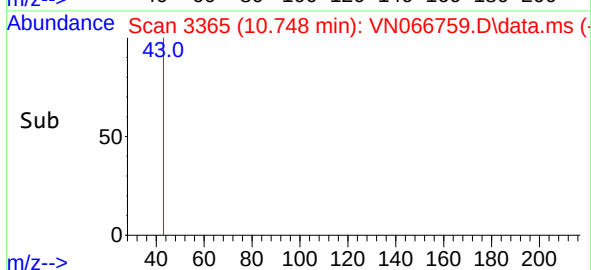
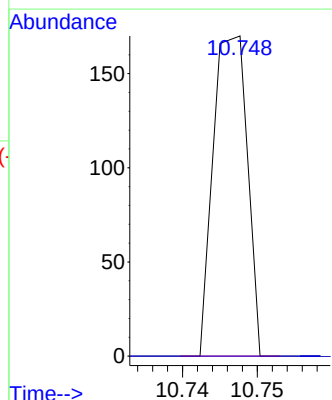
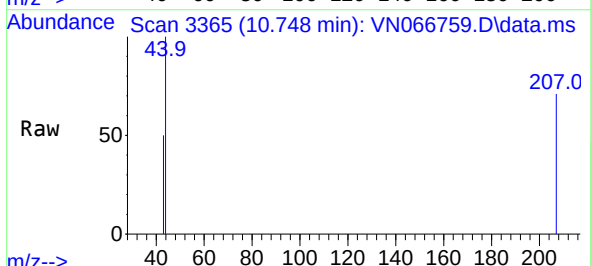
Instrument :
MSVOA_N
ClientSampled :

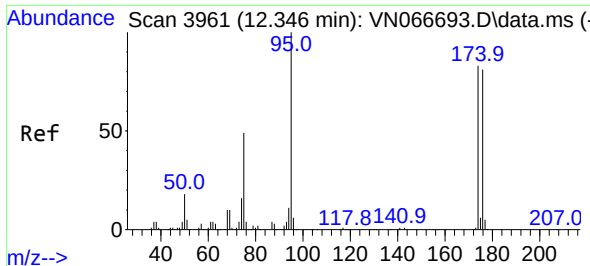
Tgt Ion: 43 Resp: 1914
Ion Ratio Lower Upper
43 100
58 28.5 32.5 48.7#



#59
2-Hexanone
Concen: 16.65 ug/l
RT: 10.748 min Scan# 3365
Delta R.T. 0.054 min
Lab File: VN066759.D
Acq: 26 Apr 2021 14:23

Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#



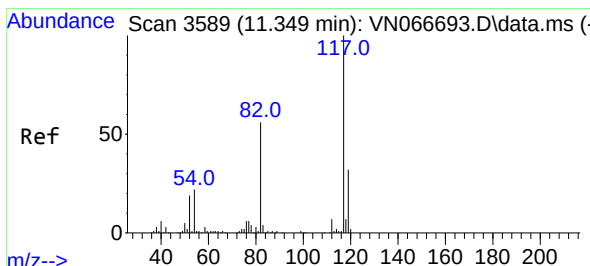
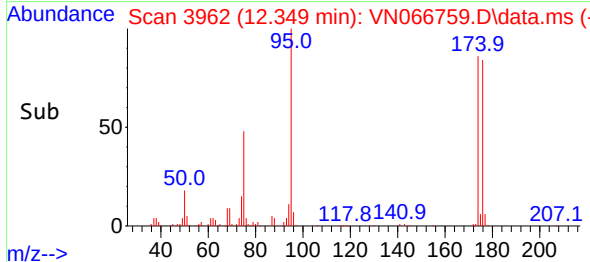
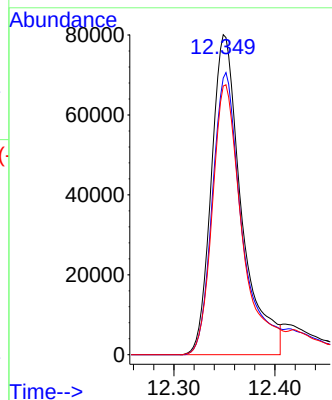
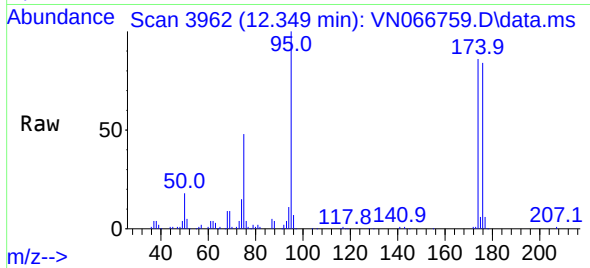


#62
4-Bromofluorobenzene
Concen: 40.49 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.003 min
Lab File: VN066759.D
Acq: 26 Apr 2021 14:23

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 95 Resp: 165940

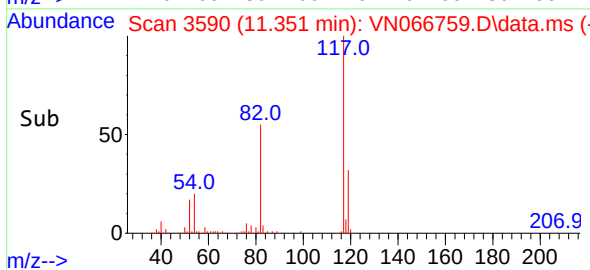
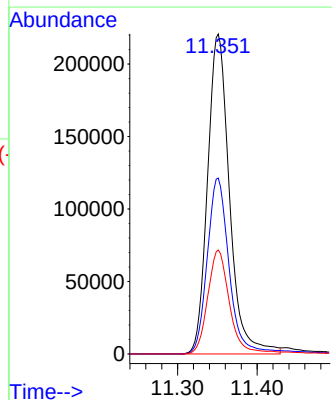
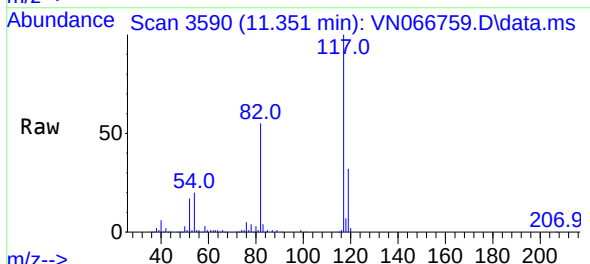
Ion	Ratio	Lower	Upper
95	100		
174	87.2	0.0	169.0
176	84.4	0.0	162.4

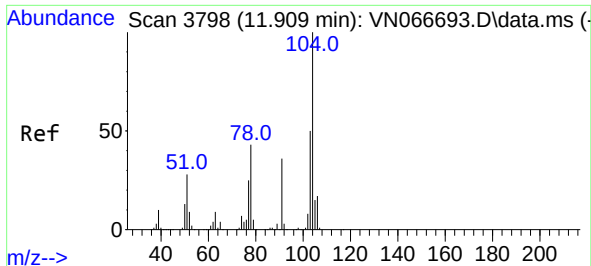


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.351 min Scan# 3590
Delta R.T. 0.002 min
Lab File: VN066759.D
Acq: 26 Apr 2021 14:23

Tgt Ion: 117 Resp: 423442

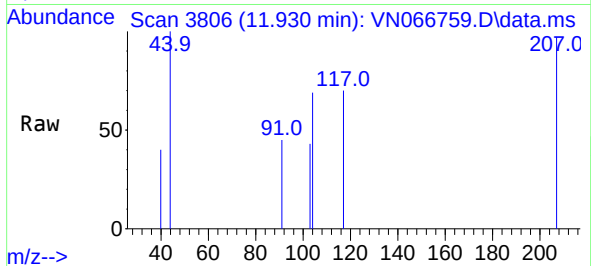
Ion	Ratio	Lower	Upper
117	100		
82	54.9	43.7	65.5
119	32.5	26.1	39.1



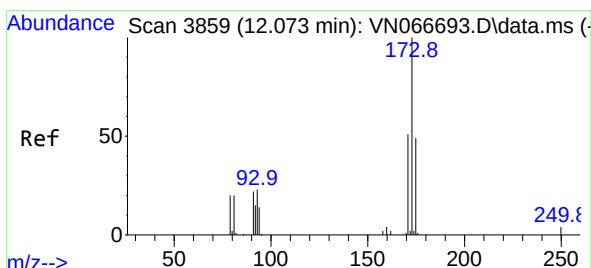
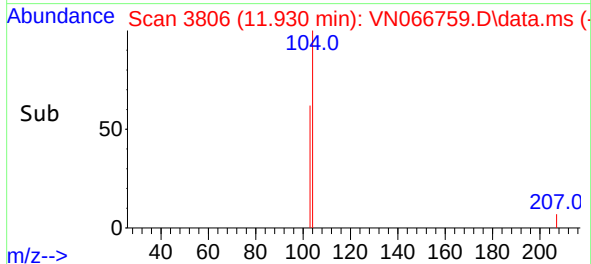
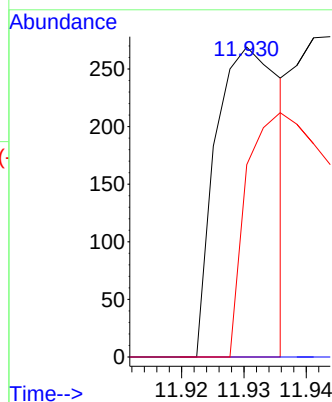


#70
Styrene
Concen: 3.00 ug/l
RT: 11.930 min Scan# 3806
Delta R.T. 0.021 min
Lab File: VN066759.D
Acq: 26 Apr 2021 14:23

Instrument :
MSVOA_N
ClientSampleId :

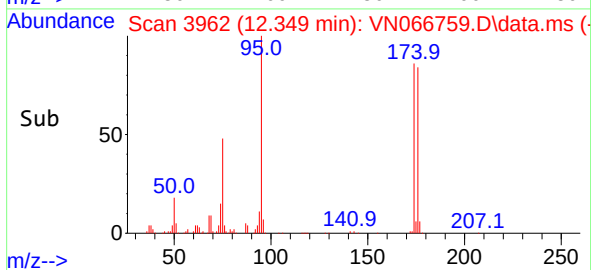
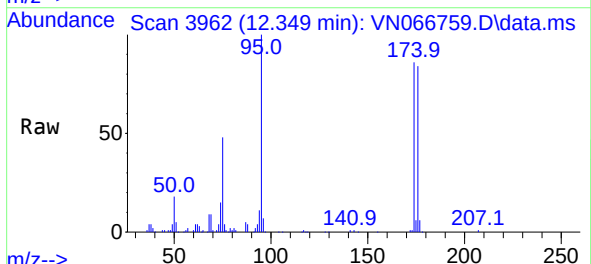
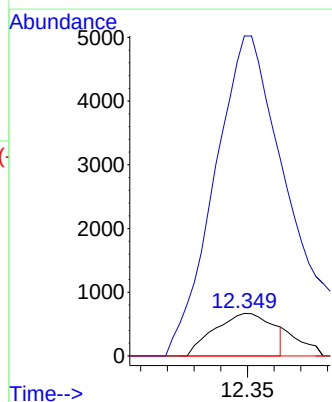


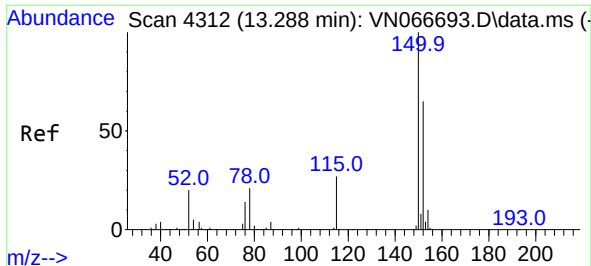
Tgt Ion:104 Resp: 193
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.4#
103 120.2 44.5 66.7#



#71
Bromoform
Concen: 0.43 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.276 min
Lab File: VN066759.D
Acq: 26 Apr 2021 14:23

Tgt Ion:173 Resp: 1017
Ion Ratio Lower Upper
173 100
175 747.4 23.8 71.2#
254 0.0 0.0 0.0

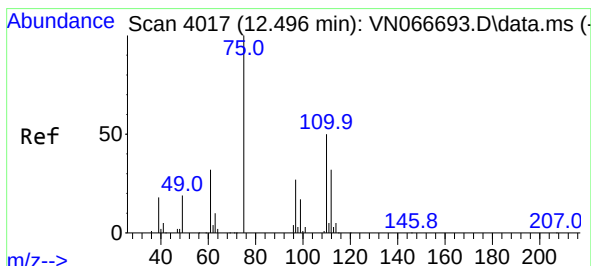
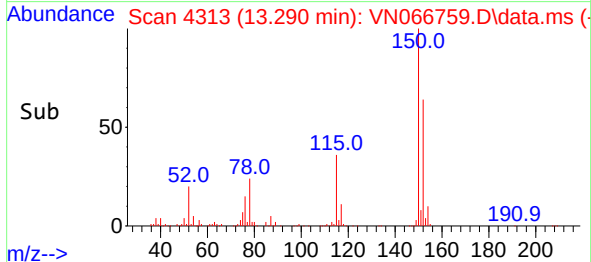
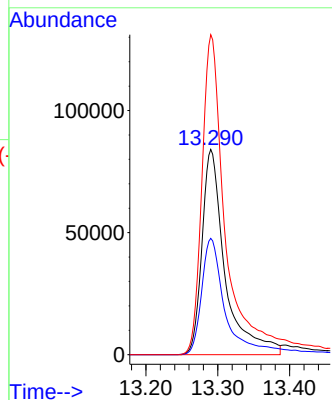
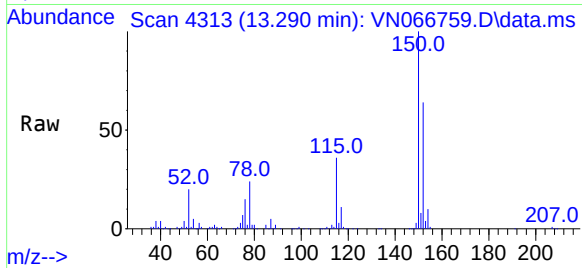




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.290 min Scan# 4313
Delta R.T. 0.002 min
Lab File: VN066759.D
Acq: 26 Apr 2021 14:23

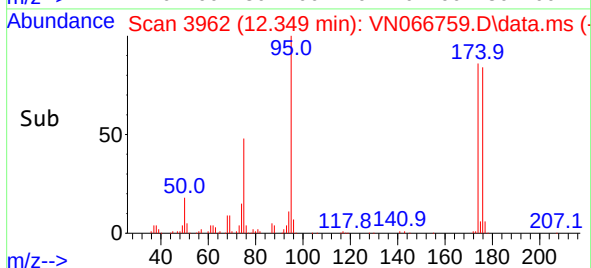
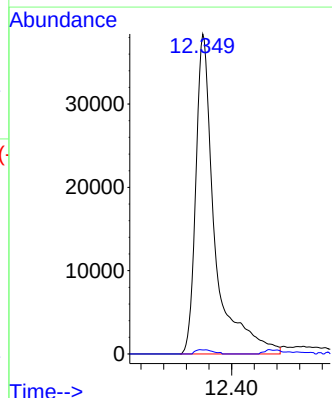
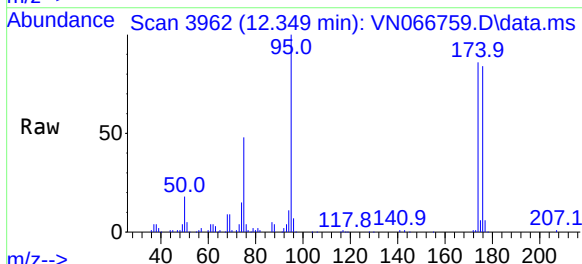
Instrument :
MSVOA_N
ClientSampled :

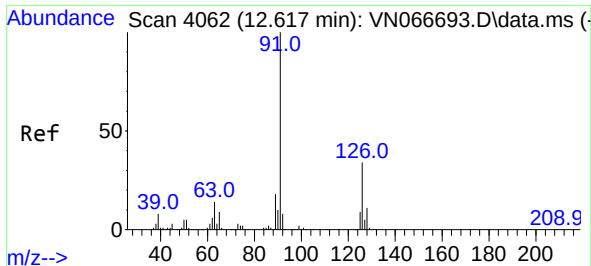
Tgt Ion:152 Resp: 188788
Ion Ratio Lower Upper
152 100
115 60.0 28.5 85.6
150 168.5 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 22.22 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. -0.147 min
Lab File: VN066759.D
Acq: 26 Apr 2021 14:23

Tgt Ion: 75 Resp: 89763
Ion Ratio Lower Upper
75 100
77 0.5 0.0 0.0#

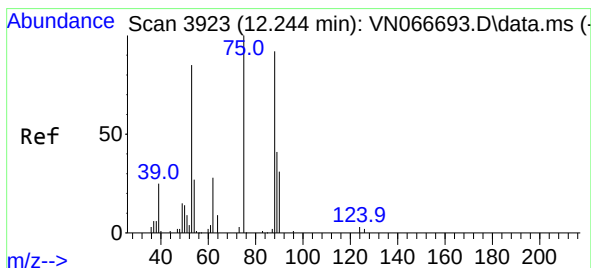
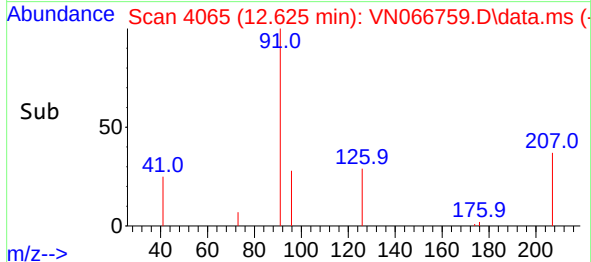
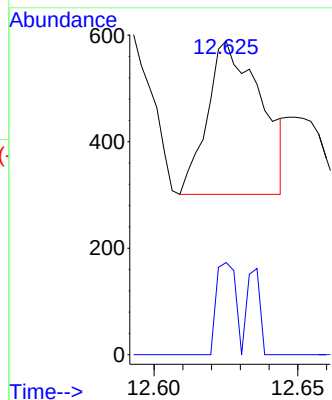
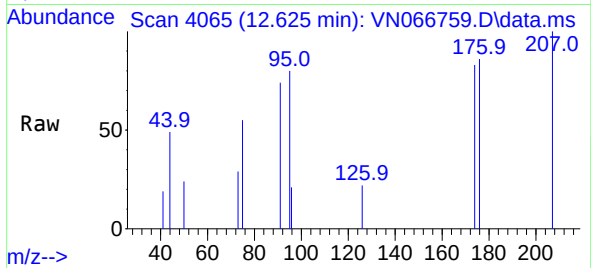




#79
2-Chlorotoluene
Concen: 0.97 ug/l
RT: 12.625 min Scan# 4065
Delta R.T. 0.008 min
Lab File: VN066759.D
Acq: 26 Apr 2021 14:23

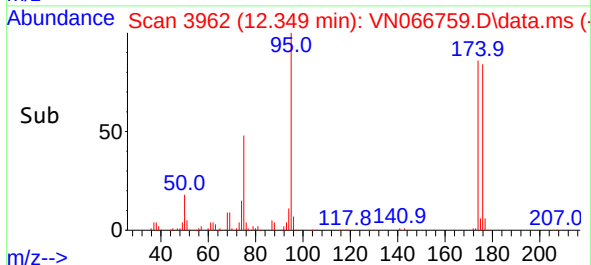
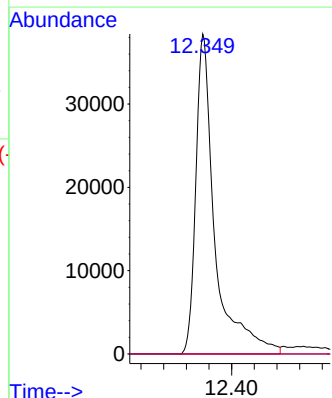
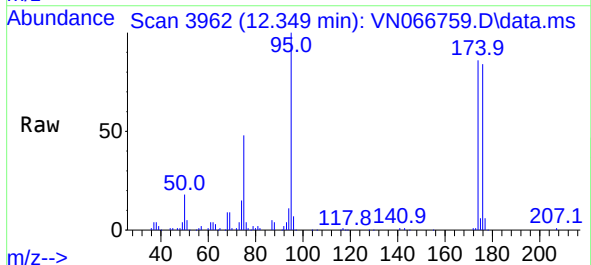
Instrument :
MSVOA_N
ClientSampled :

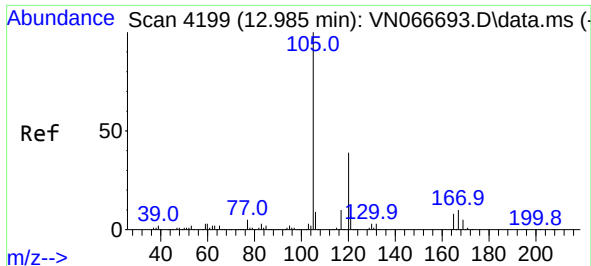
Tgt Ion: 91 Resp: 372
Ion Ratio Lower Upper
91 100
126 21.5 17.4 52.3



#81
trans-1,4-Dichloro-2-butene
Concen: 66.06 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.105 min
Lab File: VN066759.D
Acq: 26 Apr 2021 14:23

Tgt Ion: 75 Resp: 89763
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#

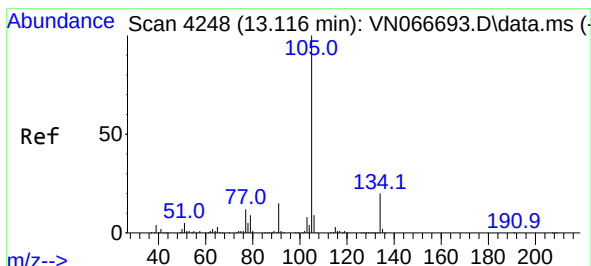
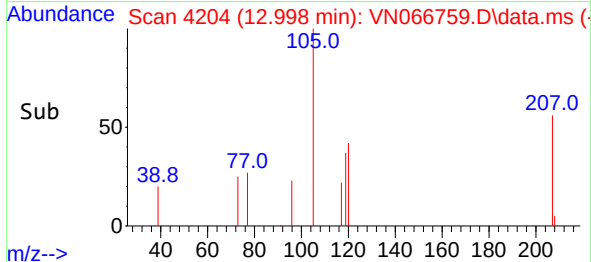
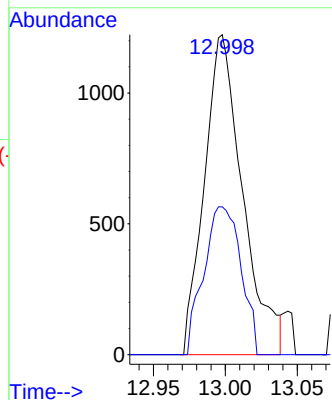
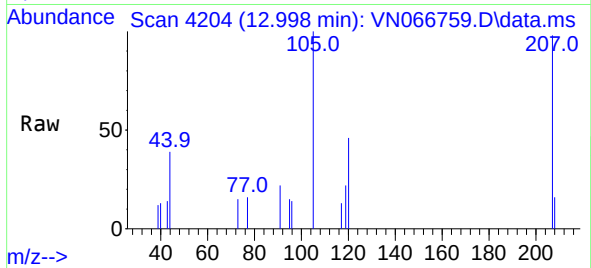




#84
1,2,4-Trimethylbenzene
Concen: 0.21 ug/l
RT: 12.998 min Scan# 4204
Delta R.T. 0.013 min
Lab File: VN066759.D
Acq: 26 Apr 2021 14:23

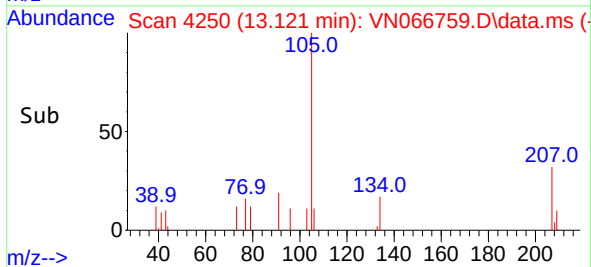
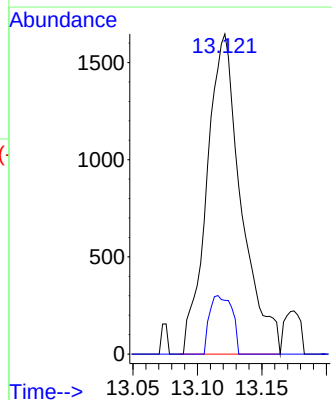
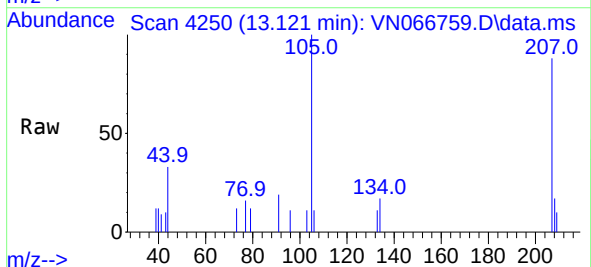
Instrument :
MSVOA_N
ClientSampled :

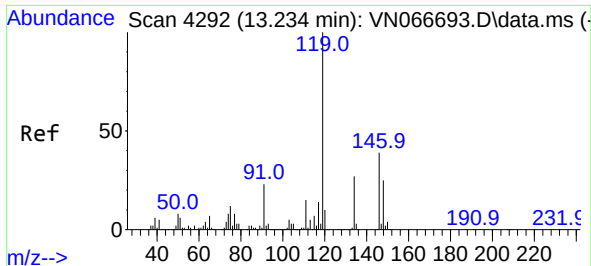
Tgt Ion:105 Resp: 2267
Ion Ratio Lower Upper
105 100
120 44.8 22.4 67.0



#85
sec-Butylbenzene
Concen: 0.24 ug/l
RT: 13.121 min Scan# 4250
Delta R.T. 0.005 min
Lab File: VN066759.D
Acq: 26 Apr 2021 14:23

Tgt Ion:105 Resp: 3052
Ion Ratio Lower Upper
105 100
134 11.9 10.0 30.0

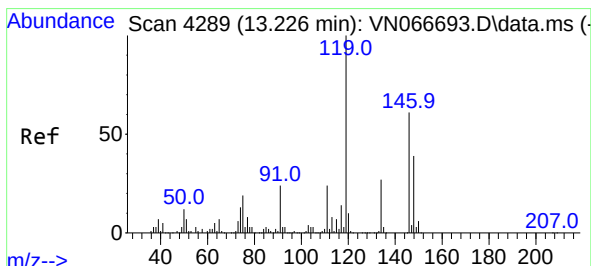
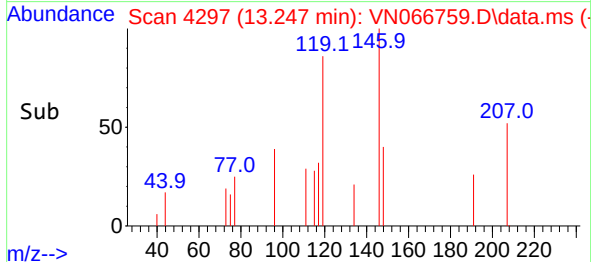
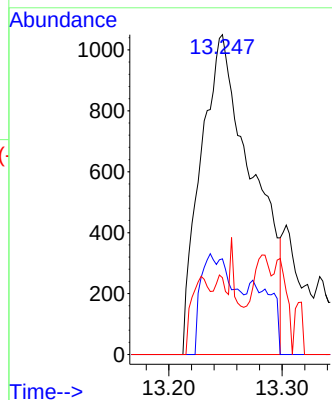
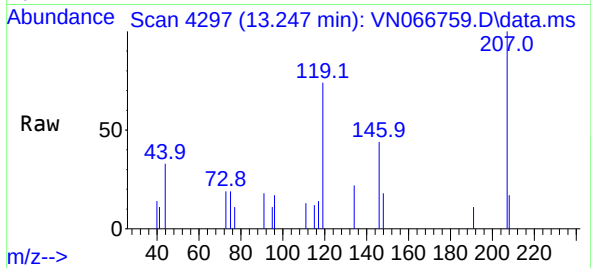




#86
p-Isopropyltoluene
Concen: 0.32 ug/l
RT: 13.247 min Scan# 4297
Delta R.T. 0.013 min
Lab File: VN066759.D
Acq: 26 Apr 2021 14:23

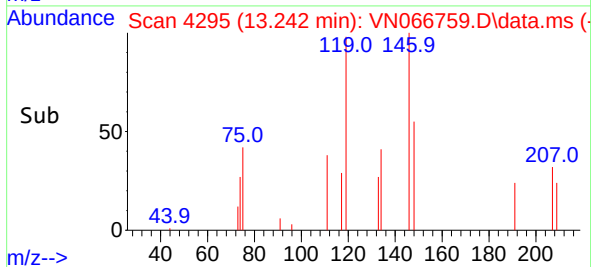
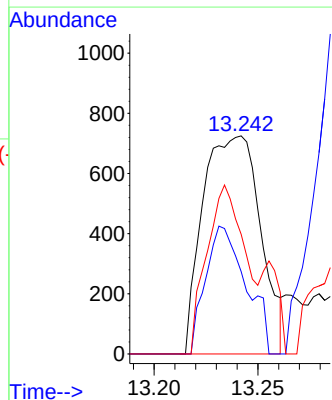
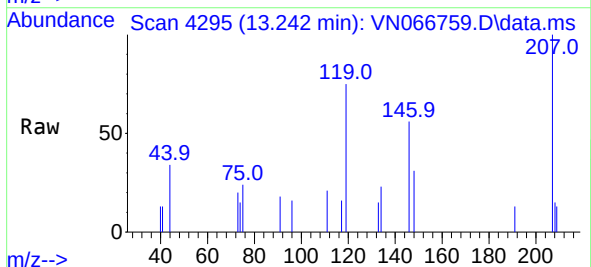
Instrument :
MSVOA_N
ClientSampled :

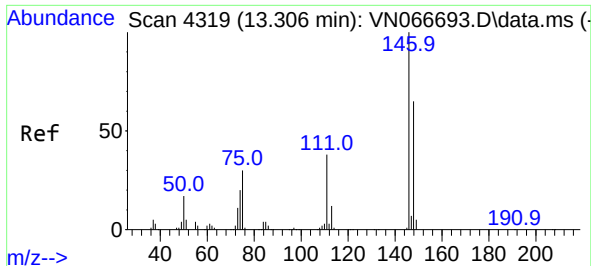
Tgt Ion:119 Resp: 3360
Ion Ratio Lower Upper
119 100
134 9.5 13.3 39.8#
91 2.9 11.8 35.3#



#87
1,3-Dichlorobenzene
Concen: 0.24 ug/l
RT: 13.242 min Scan# 4295
Delta R.T. 0.016 min
Lab File: VN066759.D
Acq: 26 Apr 2021 14:23

Tgt Ion:146 Resp: 1400
Ion Ratio Lower Upper
146 100
111 41.1 19.5 58.5
148 51.7 32.3 96.9

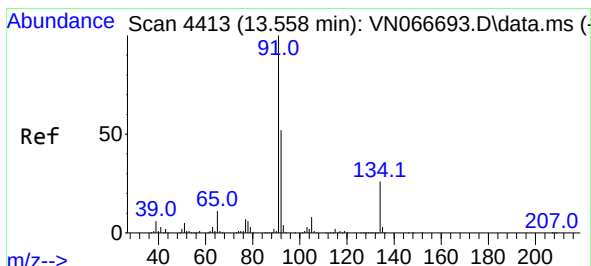
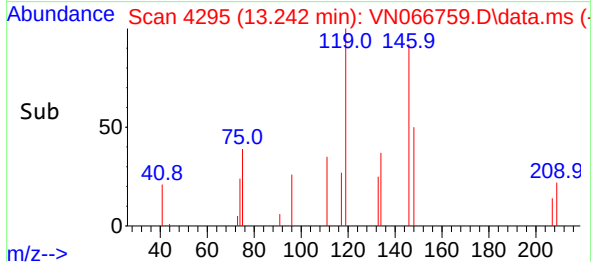
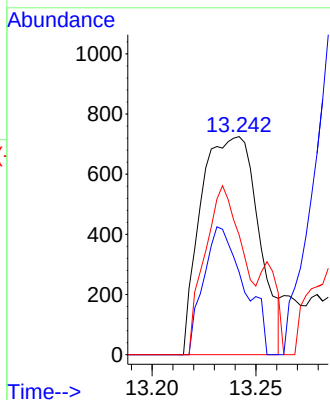
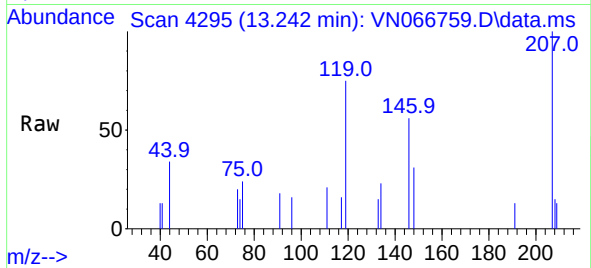




#88
1,4-Dichlorobenzene
Concen: 0.22 ug/l
RT: 13.242 min Scan# 4295
Delta R.T. -0.064 min
Lab File: VN066759.D
Acq: 26 Apr 2021 14:23

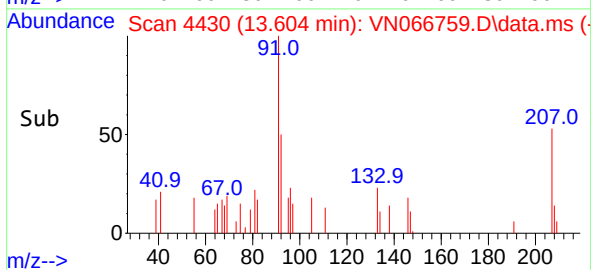
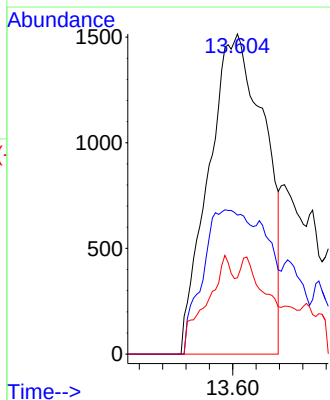
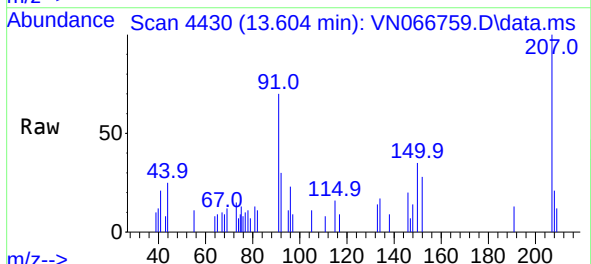
Instrument :
MSVOA_N
ClientSampleId :

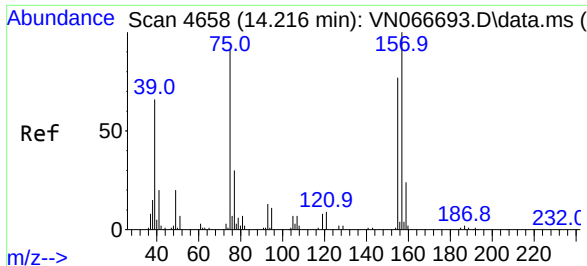
Tgt Ion:146 Resp: 1400
Ion Ratio Lower Upper
146 100
111 41.1 19.0 57.0
148 51.7 31.8 95.3



#89
n-Butylbenzene
Concen: 0.53 ug/l
RT: 13.604 min Scan# 4430
Delta R.T. 0.046 min
Lab File: VN066759.D
Acq: 26 Apr 2021 14:23

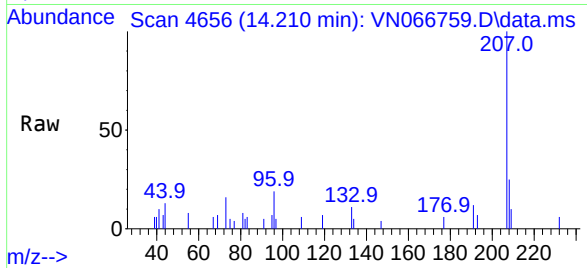
Tgt Ion: 91 Resp: 5042
Ion Ratio Lower Upper
91 100
92 0.0 26.1 78.3#
134 6.9 13.0 38.9#



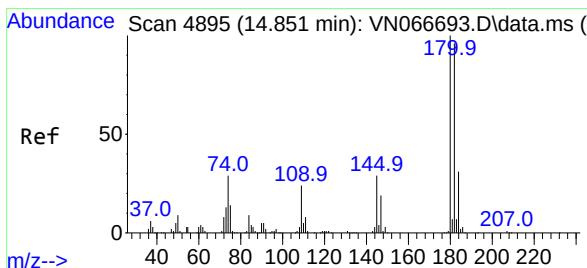
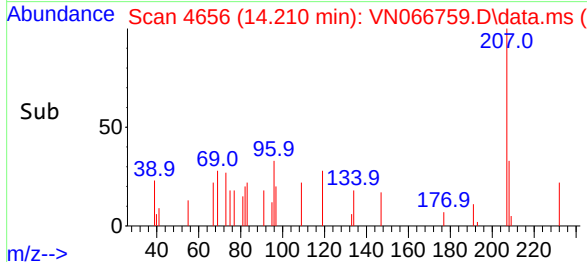
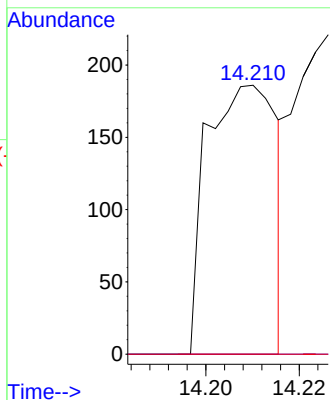


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.24 ug/l
 RT: 14.210 min Scan# 4656
 Delta R.T. -0.006 min
 Lab File: VN066759.D
 Acq: 26 Apr 2021 14:23

Instrument :
 MSVOA_N
 ClientSampled :

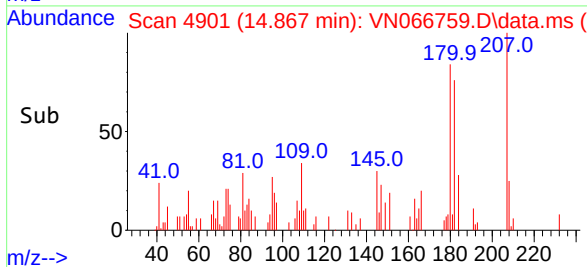
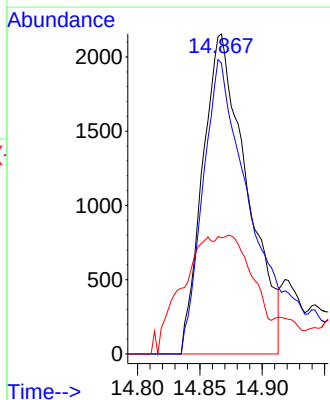
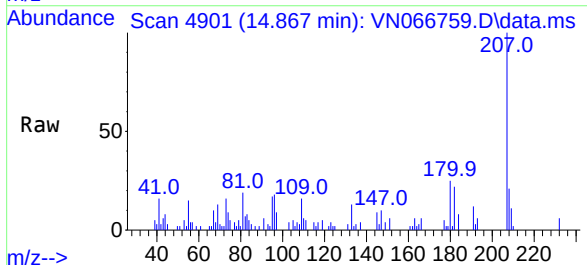


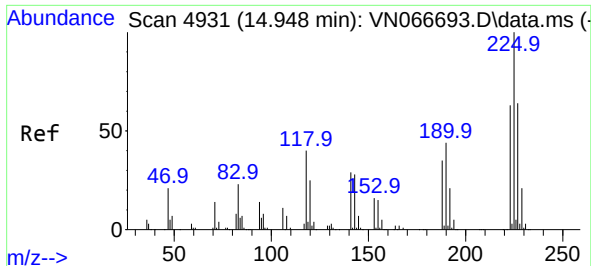
Tgt Ion: 75 Resp: 192
 Ion Ratio Lower Upper
 75 100
 155 0.0 44.1 132.4#
 157 0.0 56.0 168.2#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.43 ug/l
 RT: 14.867 min Scan# 4901
 Delta R.T. 0.016 min
 Lab File: VN066759.D
 Acq: 26 Apr 2021 14:23

Tgt Ion: 180 Resp: 5320
 Ion Ratio Lower Upper
 180 100
 182 101.6 47.3 142.0
 145 27.8 15.6 46.8

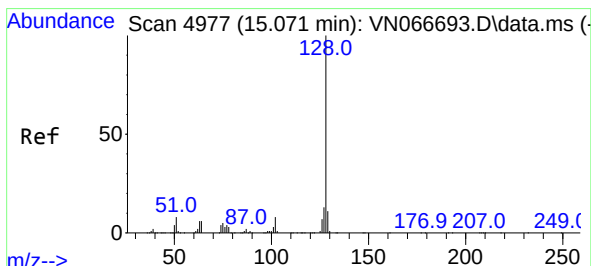
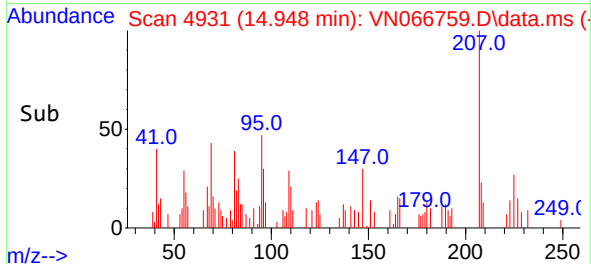
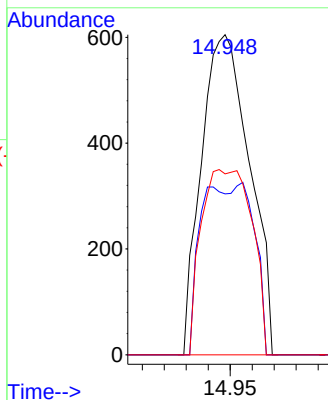
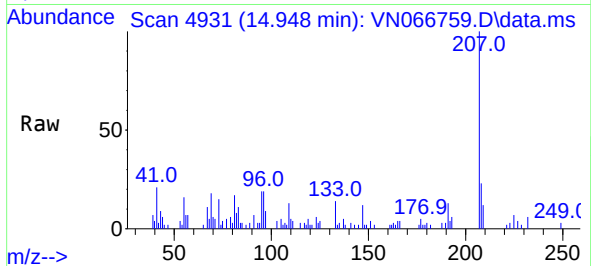




#94
Hexachlorobutadiene
Concen: 0.50 ug/l
RT: 14.948 min Scan# 4931
Delta R.T. -0.000 min
Lab File: VN066759.D
Acq: 26 Apr 2021 14:23

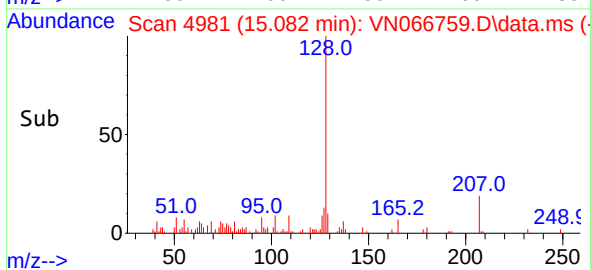
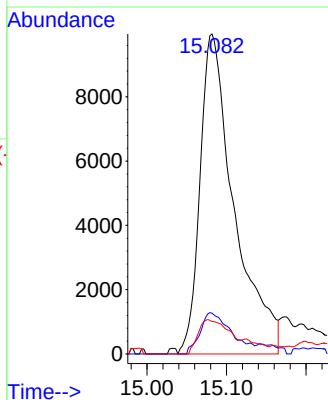
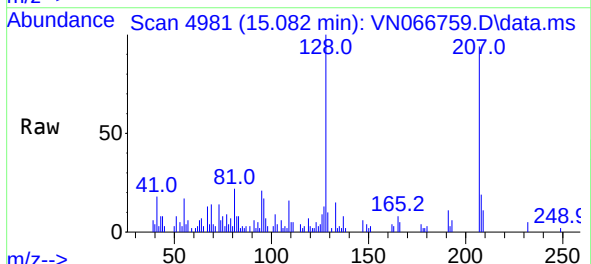
Instrument :
MSVOA_N
ClientSampleId :

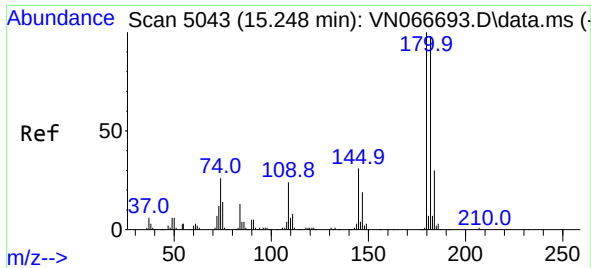
Tgt Ion:	225	Resp:	924
Ion	Ratio	Lower	Upper
225	100		
223	29.8	31.9	95.9#
227	60.6	31.6	95.0



#95
Naphthalene
Concen: 5.13 ug/l
RT: 15.082 min Scan# 4981
Delta R.T. 0.011 min
Lab File: VN066759.D
Acq: 26 Apr 2021 14:23

Tgt Ion:	128	Resp:	29696
Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.2	15.2
129	9.7	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 3.22 ug/l
 RT: 15.259 min Scan# 5047
 Delta R.T. 0.011 min
 Lab File: VN066759.D
 Acq: 26 Apr 2021 14:23

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion:180	Resp:	6392
Ion Ratio	Lower	Upper
180	100	
182	110.4	47.4 142.3
145	57.0	16.5 49.5#

