

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040821\
 Data File : VN066546.D
 Acq On : 8 Apr 2021 17:08
 Operator : JC/MD
 Sample : M1961-19
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 09 04:36:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040621W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 06 15:38:34 2021
 Response via : Initial Calibration

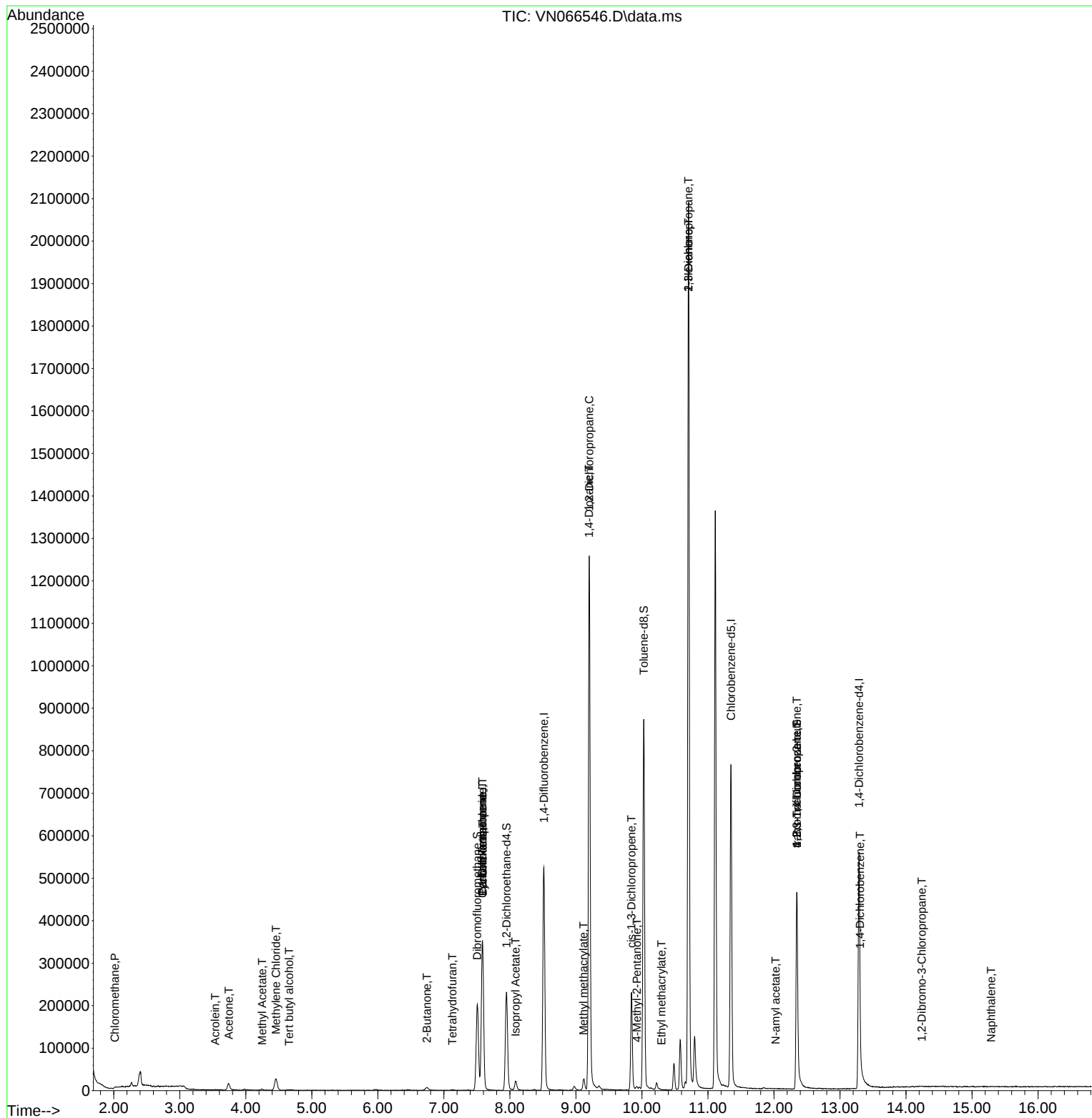
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.585	168	301684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	459022	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	439745	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	181186	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.949	65	201868	50.81	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.62%
35) Dibromofluoromethane	7.507	113	155681	49.76	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.52%
50) Toluene-d8	10.028	98	593570	49.93	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.86%
62) 4-Bromofluorobenzene	12.348	95	172252	44.69	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.38%
Target Compounds						
					Qvalue	
3) Chloromethane	2.019	50	1000	0.22	ug/l	92
11) Tert butyl alcohol	4.656	59	587	0.92	ug/l #	85
13) Acrolein	3.537	56	441	4.91	ug/l	83
16) Acetone	3.741	43	23739	14.26	ug/l	94
18) Methyl Acetate	4.248	43	3079	0.74	ug/l #	65
20) Methylene Chloride	4.457	84	19564	5.47	ug/l	86
25) 2-Butanone	6.745	43	11555	4.62	ug/l #	87
29) Tetrahydrofuran	7.131	42	424	0.25	ug/l #	53
31) Cyclohexane	7.587	56	5953	1.09	ug/l #	10
36) 1,1-Dichloropropene	7.585	75	22570	5.06	ug/l #	48
38) Carbon Tetrachloride	7.585	117	27367	6.05	ug/l #	16
43) Isopropyl Acetate	8.086	43	25596	2.99	ug/l	99
45) 1,2-Dichloropropane	9.202	63	1532	0.41	ug/l #	43
48) Methyl methacrylate	9.116	41	6468	1.70	ug/l #	12
49) 1,4-Dioxane	9.199	88	56	1.09	ug/l #	1
51) 4-Methyl-2-Pentanone	9.923	43	5731	1.13	ug/l #	85
54) cis-1,3-Dichloropropene	9.843	75	40586	7.13	ug/l #	63
56) Ethyl methacrylate	10.299	69	129	3.74	ug/l #	22
57) 1,3-Dichloropropane	10.706	76	20540	3.59	ug/l #	43
59) 2-Hexanone	10.706	43	298592	85.05	ug/l #	53
74) N-amyl acetate	12.026	43	248	12.77	ug/l #	45
76) 1,2,3-Trichloropropane	12.348	75	91348	22.35	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.348	75	91348	62.12	ug/l #	12
88) 1,4-Dichlorobenzene	13.305	146	25	1.00	ug/l #	1
92) 1,2-Dibromo-3-Chloropr...	14.238	75	28	0.36	ug/l #	1
95) Naphthalene	15.290	128	25	1.97	ug/l #	69

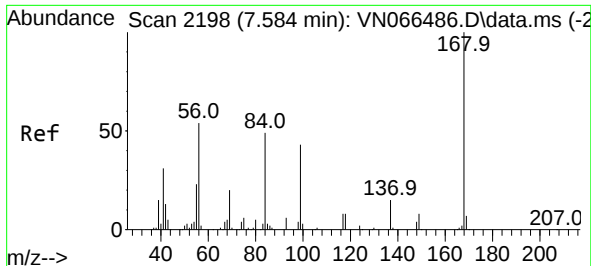
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040821\
Data File : VN066546.D
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Sample : M1961-19
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

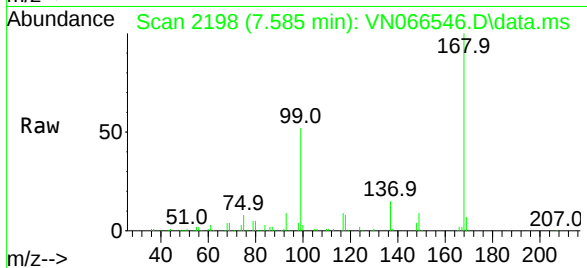
Quant Time: Apr 09 04:36:24 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040621W.M
Quant Title : SW846 8260
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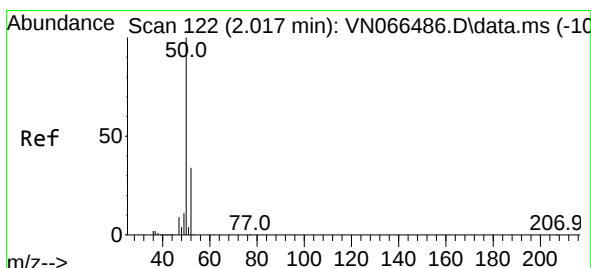
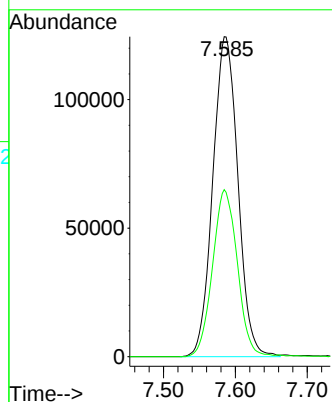
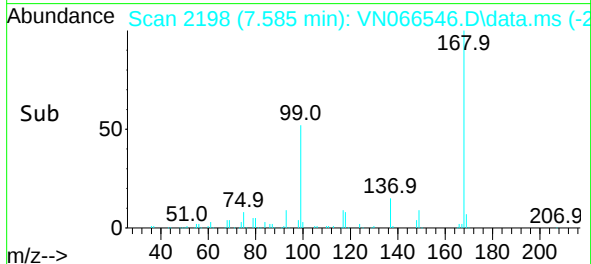


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.585 min Scan# 2198
Delta R.T. 0.001 min
Lab File: VN066546.D
Acq: 8 Apr 2021 17:08

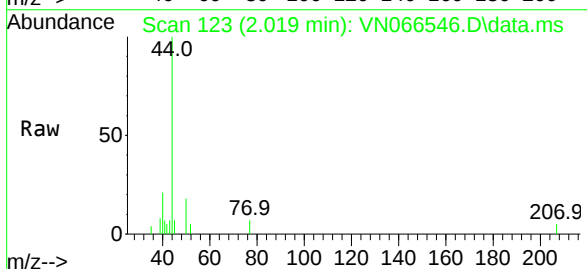
Instrument :
MSVOA_N
ClientSampled :



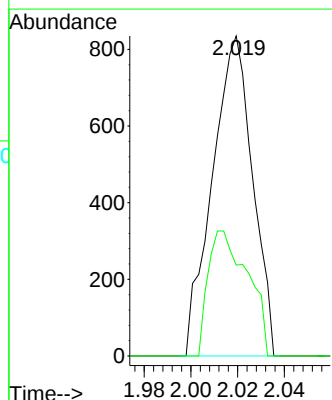
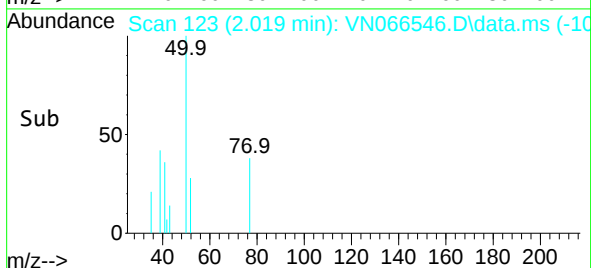
Tgt Ion:168 Resp: 301684
Ion Ratio Lower Upper
168 100
99 52.2 41.1 61.7

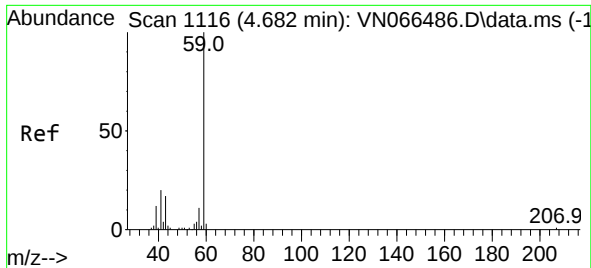


#3
Chloromethane
Concen: 0.22 ug/l
RT: 2.019 min Scan# 123
Delta R.T. 0.002 min
Lab File: VN066546.D
Acq: 8 Apr 2021 17:08



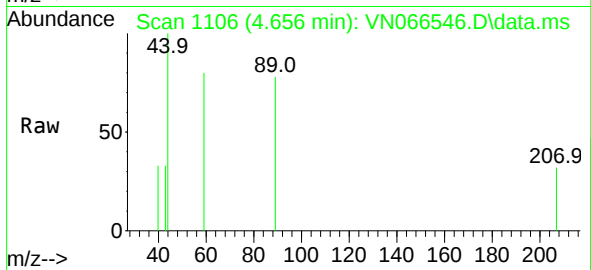
Tgt Ion: 50 Resp: 1000
Ion Ratio Lower Upper
50 100
52 28.4 26.2 39.2



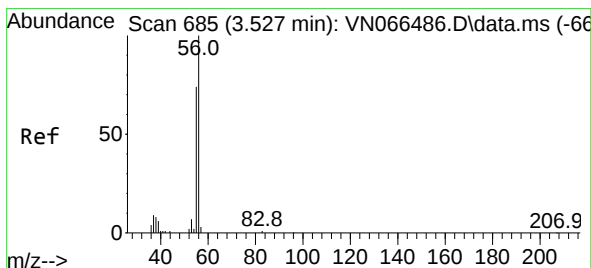
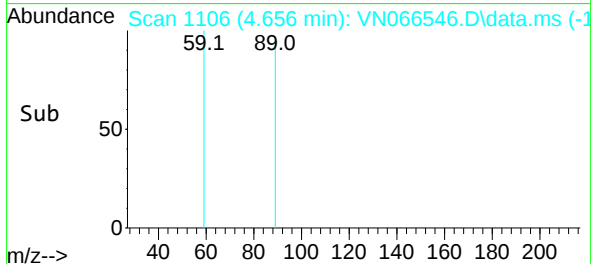
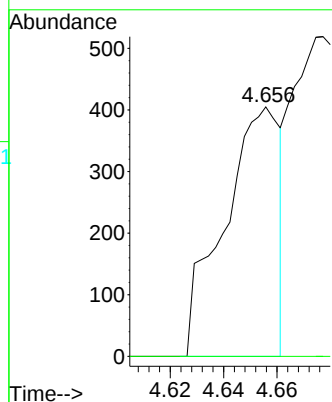


#11
Tert butyl alcohol
Concen: 0.92 ug/l
RT: 4.656 min Scan# 1106
Delta R.T. -0.026 min
Lab File: VN066546.D
Acq: 8 Apr 2021 17:08

Instrument :
MSVOA_N
ClientSampled :

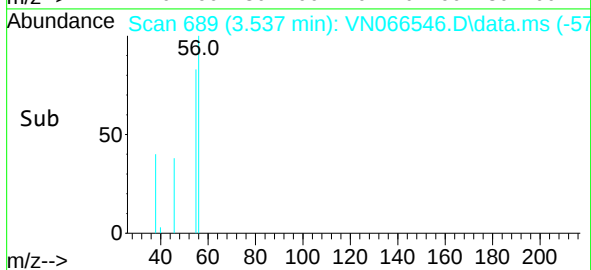
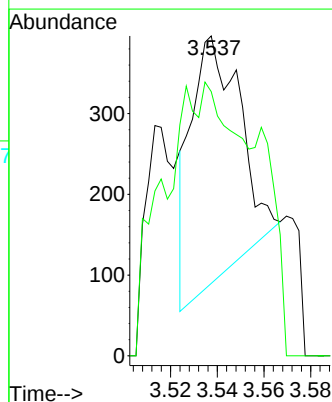
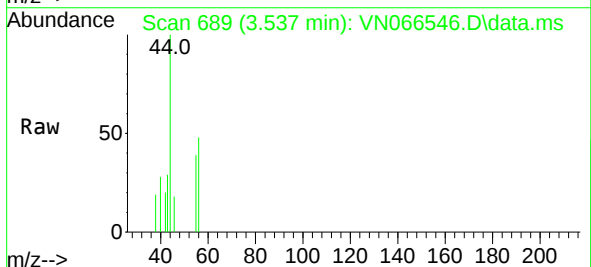


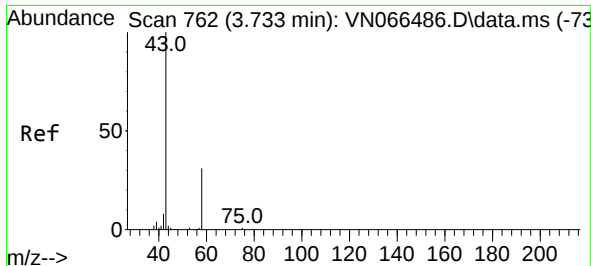
Tgt Ion: 59 Resp: 587
Ion Ratio Lower Upper
59 100
57 0.0 4.1 6.1#



#13
Acrolein
Concen: 4.91 ug/l
RT: 3.537 min Scan# 689
Delta R.T. 0.010 min
Lab File: VN066546.D
Acq: 8 Apr 2021 17:08

Tgt Ion: 56 Resp: 441
Ion Ratio Lower Upper
56 100
55 86.6 57.9 86.9

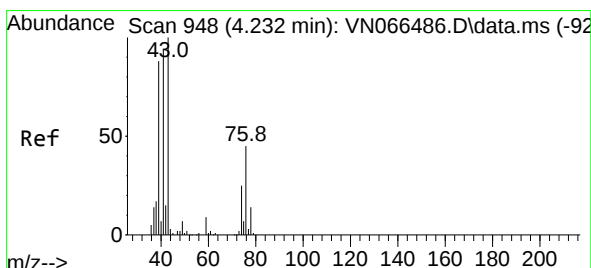
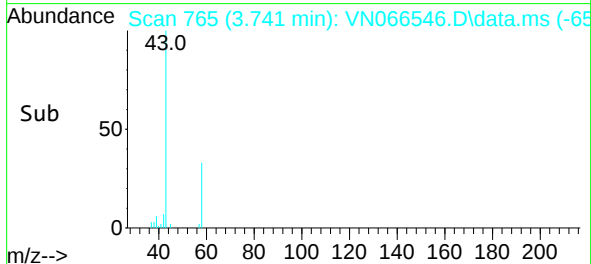
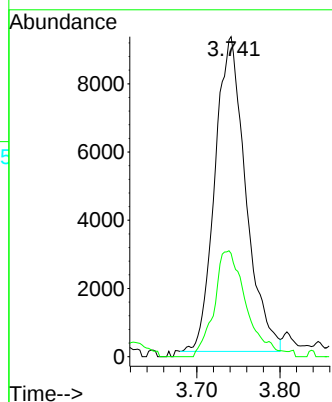
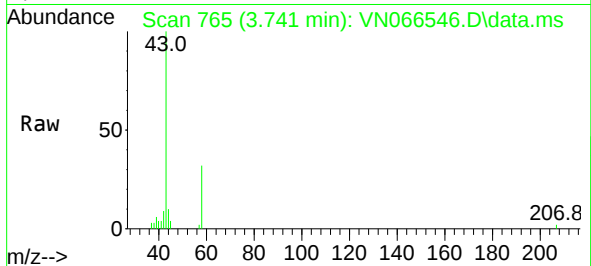




#16
Acetone
Concen: 14.26 ug/l
RT: 3.741 min Scan# 765
Delta R.T. 0.008 min
Lab File: VN066546.D
Acq: 8 Apr 2021 17:08

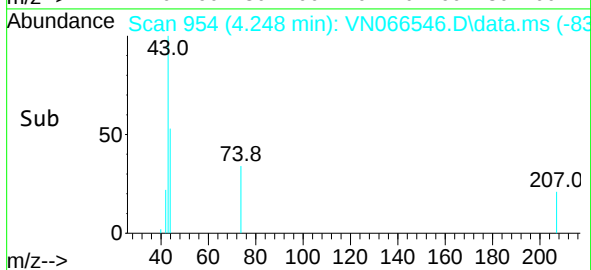
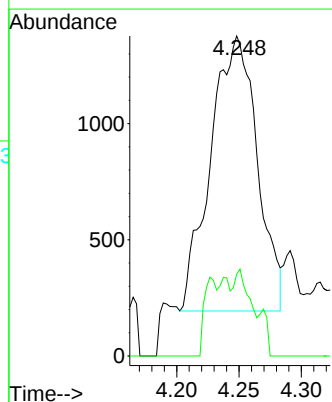
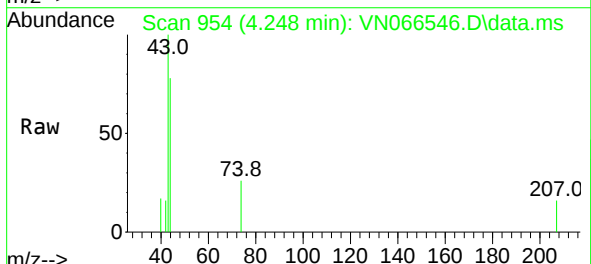
Instrument :
MSVOA_N
ClientSampled :

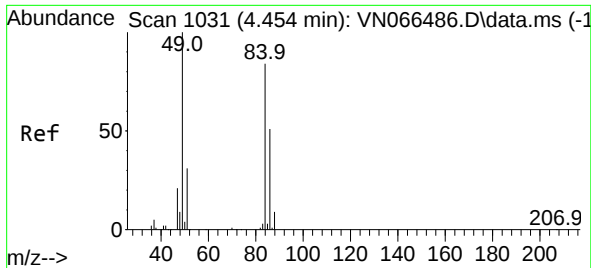
Tgt Ion: 43 Resp: 23739
Ion Ratio Lower Upper
43 100
58 32.8 23.8 35.8



#18
Methyl Acetate
Concen: 0.74 ug/l
RT: 4.248 min Scan# 954
Delta R.T. 0.016 min
Lab File: VN066546.D
Acq: 8 Apr 2021 17:08

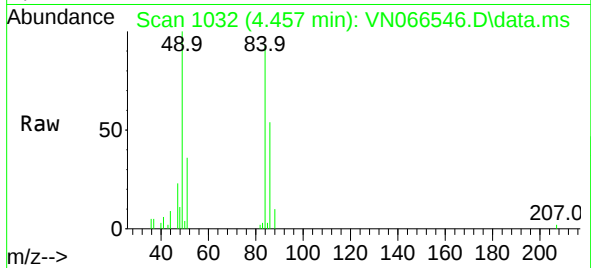
Tgt Ion: 43 Resp: 3079
Ion Ratio Lower Upper
43 100
74 5.1 17.6 26.4#



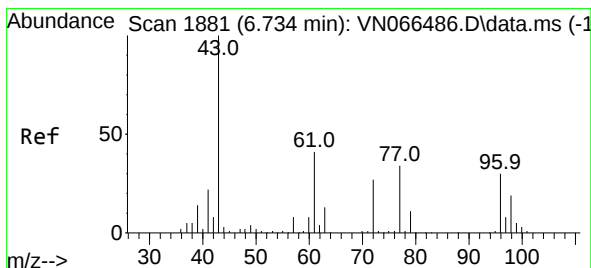
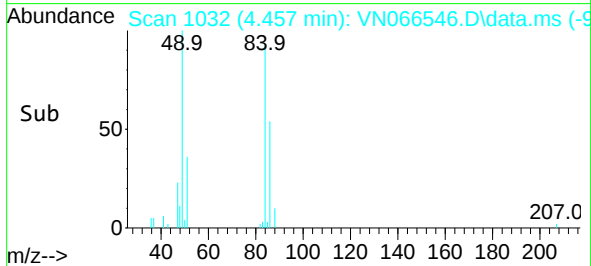
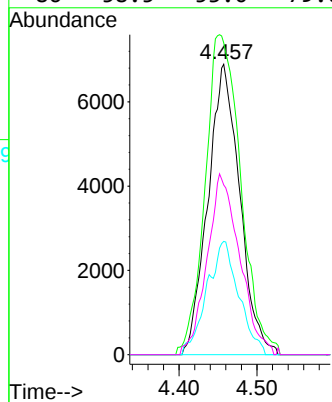


#20
Methylene Chloride
Concen: 5.47 ug/l
RT: 4.457 min Scan# 1032
Delta R.T. 0.003 min
Lab File: VN066546.D
Acq: 8 Apr 2021 17:08

Instrument :
MSVOA_N
ClientSampled :

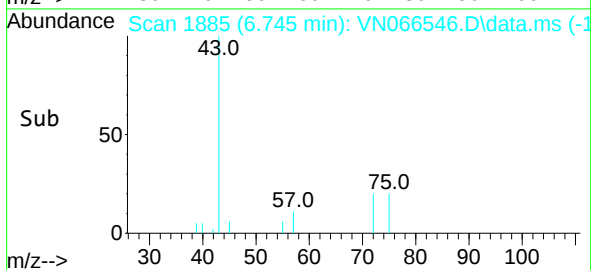
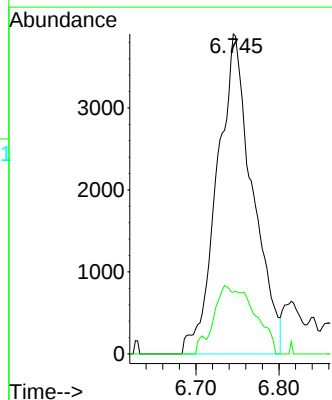
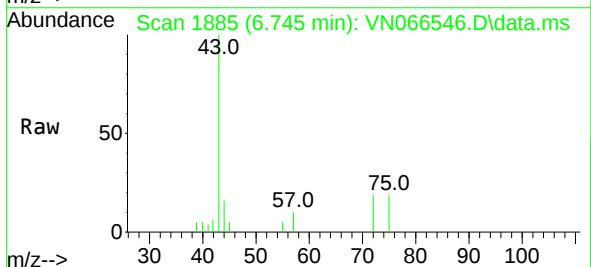


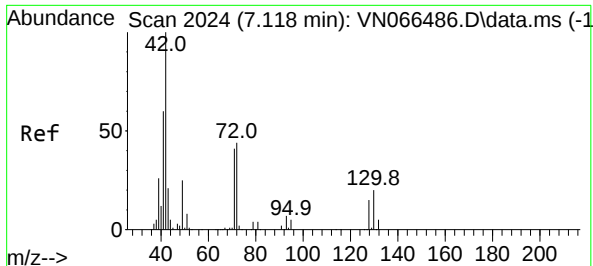
Tgt Ion: 84 Resp: 19564
Ion Ratio Lower Upper
84 100
49 107.4 105.0 157.6
51 39.0 31.6 47.4
86 58.5 53.0 79.6



#25
2-Butanone
Concen: 4.62 ug/l
RT: 6.745 min Scan# 1885
Delta R.T. 0.011 min
Lab File: VN066546.D
Acq: 8 Apr 2021 17:08

Tgt Ion: 43 Resp: 11555
Ion Ratio Lower Upper
43 100
72 19.2 20.7 31.1#





#29

Tetrahydrofuran

Concen: 0.25 ug/l

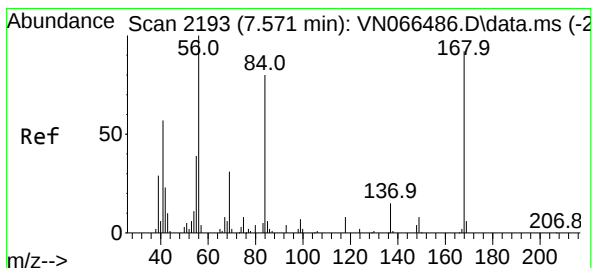
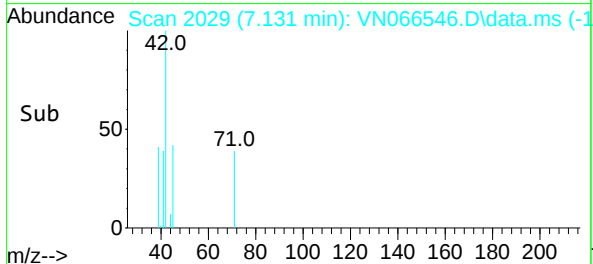
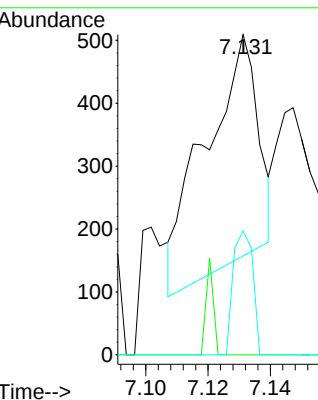
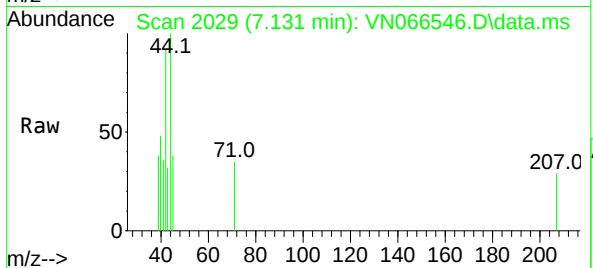
RT: 7.131 min Scan# 2029

Delta R.T. 0.013 min

Lab File: VN066546.D

Acq: 8 Apr 2021 17:08

Tgt Ion:	42	Resp:	424
Ion	Ratio	Lower	Upper
42	100		
72	5.9	35.2	52.8#
71	20.3	33.1	49.7#



#31

Cyclohexane

Concen: 1.09 ug/l

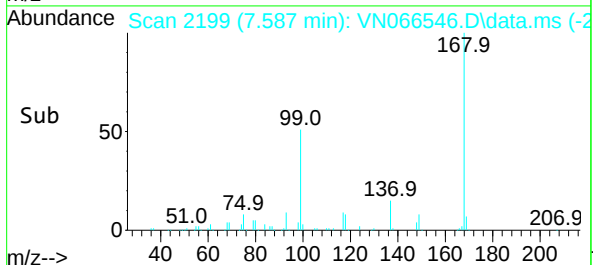
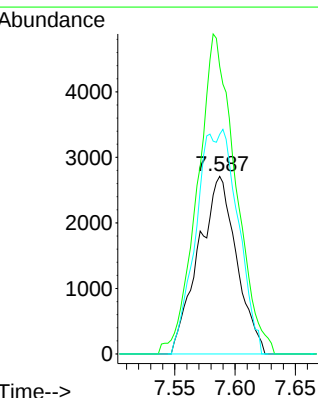
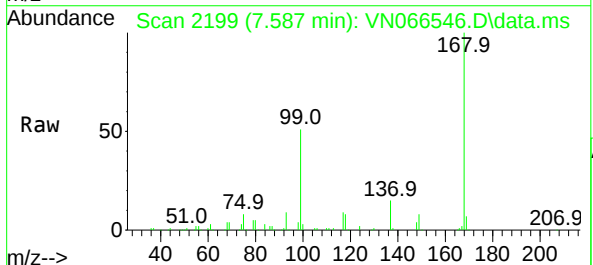
RT: 7.587 min Scan# 2199

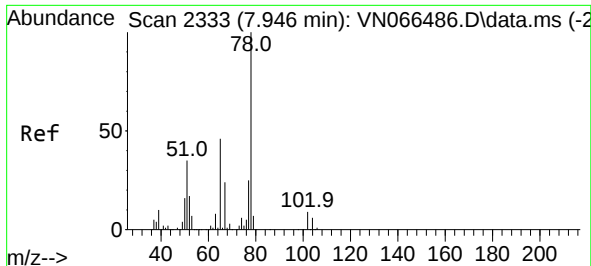
Delta R.T. 0.016 min

Lab File: VN066546.D

Acq: 8 Apr 2021 17:08

Tgt Ion:	56	Resp:	5953
Ion	Ratio	Lower	Upper
56	100		
69	155.7	26.6	40.0#
84	123.7	68.7	103.1#

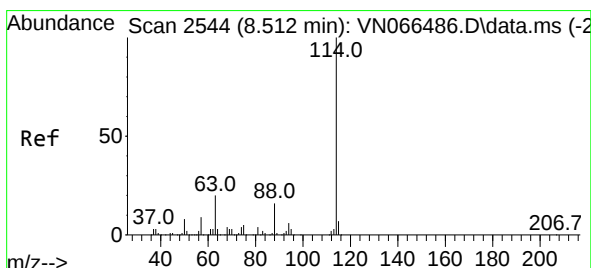
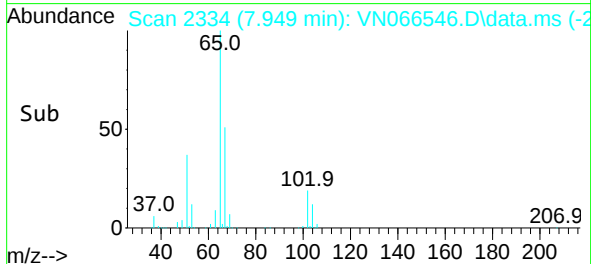
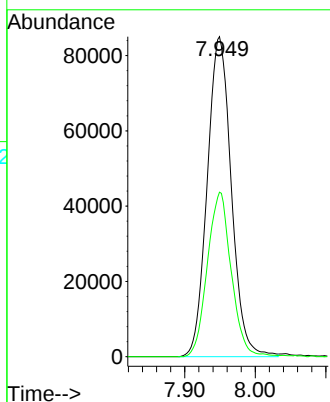
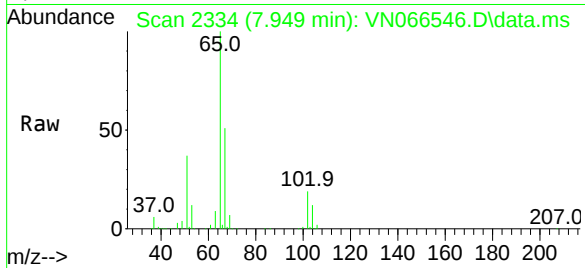




#33
 1,2-Dichloroethane-d4
 Concen: 50.81 ug/l
 RT: 7.949 min Scan# 2334
 Delta R.T. 0.003 min
 Lab File: VN066546.D
 Acq: 8 Apr 2021 17:08

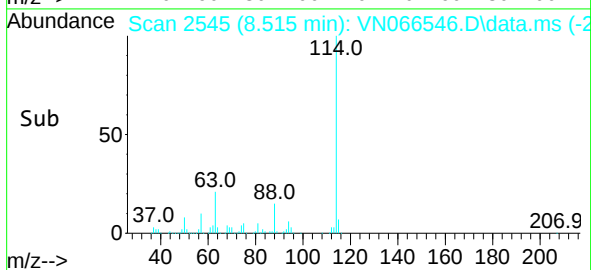
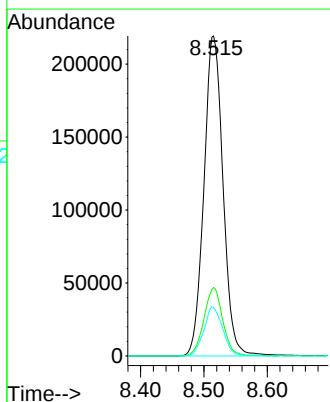
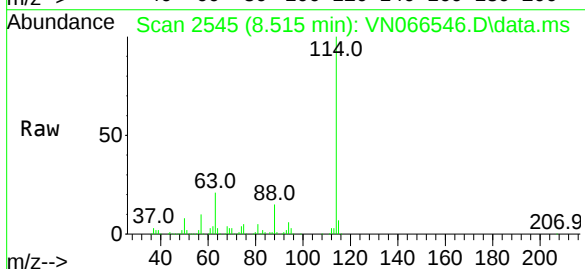
Instrument :
 MSVOA_N
 ClientSampled :

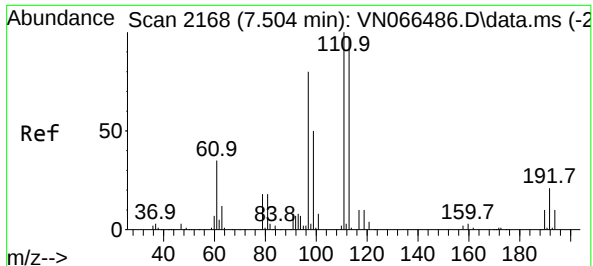
Tgt Ion: 65 Resp: 201868
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.515 min Scan# 2545
 Delta R.T. 0.003 min
 Lab File: VN066546.D
 Acq: 8 Apr 2021 17:08

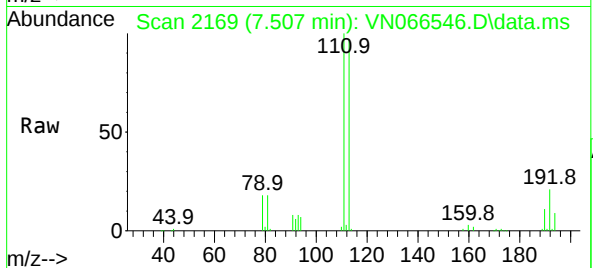
Tgt Ion: 114 Resp: 459022
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 42.0
 88 15.1 0.0 31.0



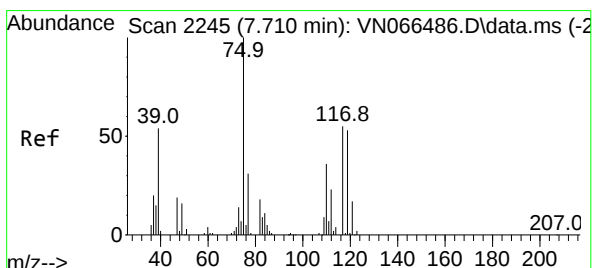
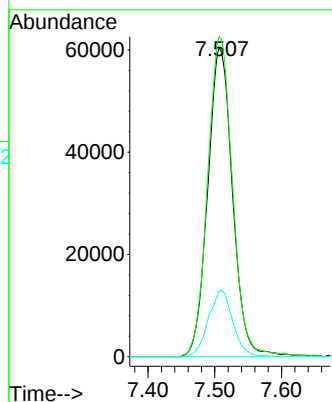
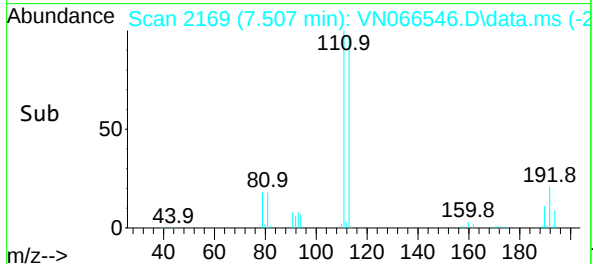


#35
 Dibromofluoromethane
 Concen: 49.76 ug/l
 RT: 7.507 min Scan# 2169
 Delta R.T. 0.003 min
 Lab File: VN066546.D
 Acq: 8 Apr 2021 17:08

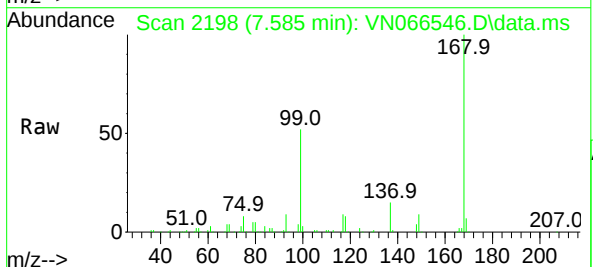
Instrument :
 MSVOA_N
 ClientSampleId :



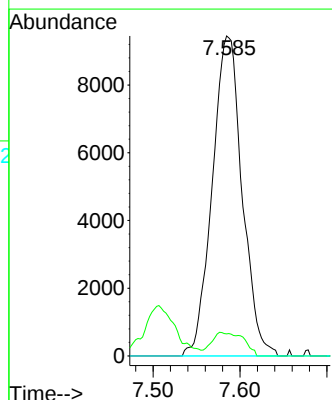
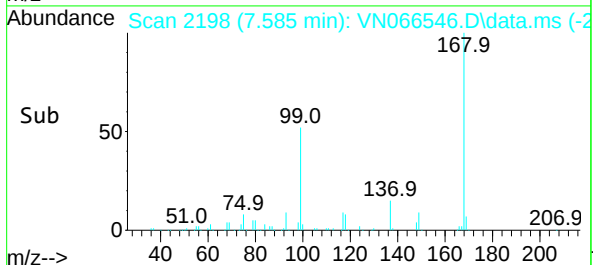
Tgt Ion:	113	Resp:	155681
Ion	Ratio	Lower	Upper
113	100		
111	104.0	81.8	122.8
192	21.2	17.1	25.7

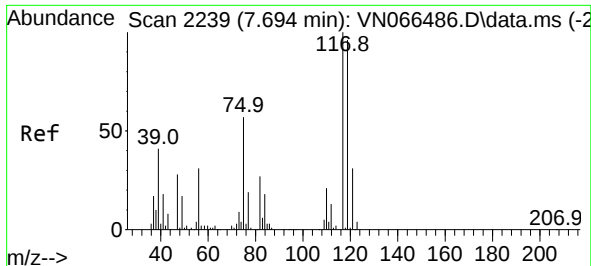


#36
 1,1-Dichloropropene
 Concen: 5.06 ug/l
 RT: 7.585 min Scan# 2198
 Delta R.T. -0.125 min
 Lab File: VN066546.D
 Acq: 8 Apr 2021 17:08



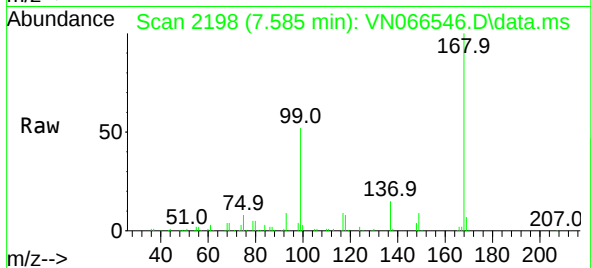
Tgt Ion:	75	Resp:	22570
Ion	Ratio	Lower	Upper
75	100		
110	7.9	18.1	54.3#
77	0.0	25.0	37.4#



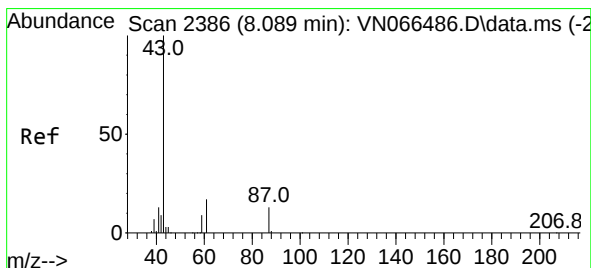
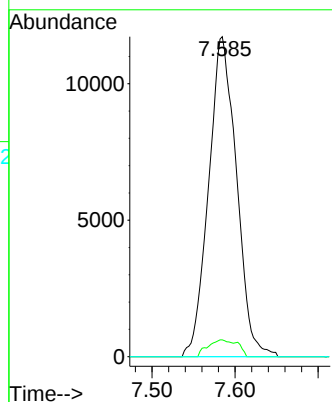
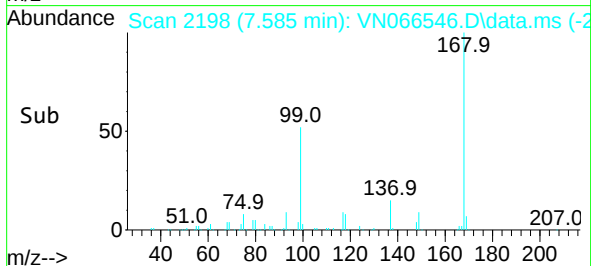


#38
Carbon Tetrachloride
Concen: 6.05 ug/l
RT: 7.585 min Scan# 2198
Delta R.T. -0.109 min
Lab File: VN066546.D
Acq: 8 Apr 2021 17:08

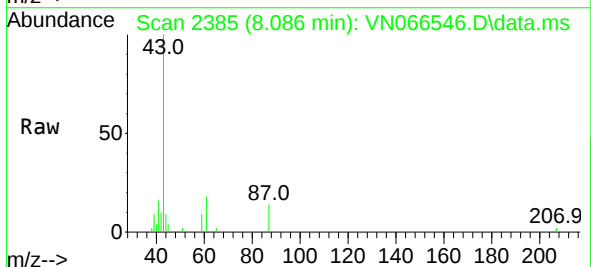
Instrument :
MSVOA_N
ClientSampled :



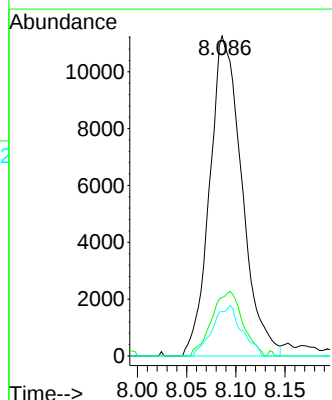
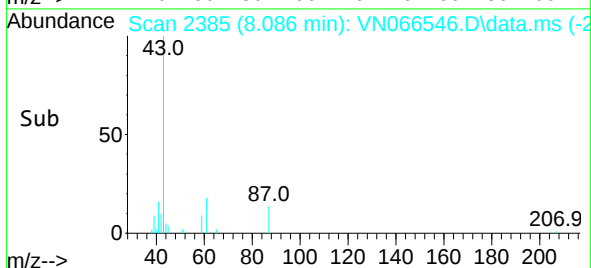
Tgt Ion:117 Resp: 27367
Ion Ratio Lower Upper
117 100
119 5.3 77.2 115.8#
121 0.0 24.2 36.4#

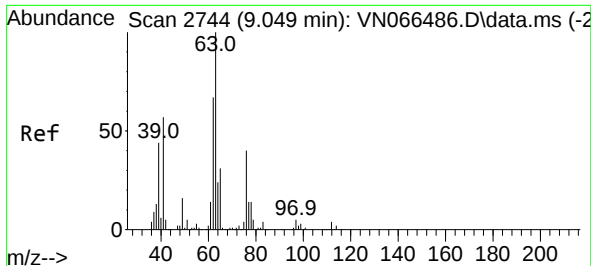


#43
Isopropyl Acetate
Concen: 2.99 ug/l
RT: 8.086 min Scan# 2385
Delta R.T. -0.003 min
Lab File: VN066546.D
Acq: 8 Apr 2021 17:08



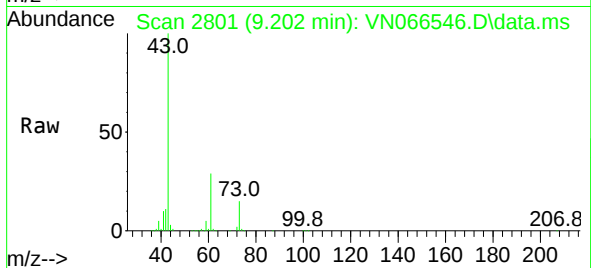
Tgt Ion: 43 Resp: 25596
Ion Ratio Lower Upper
43 100
61 19.4 15.5 23.3
87 14.2 10.5 15.7



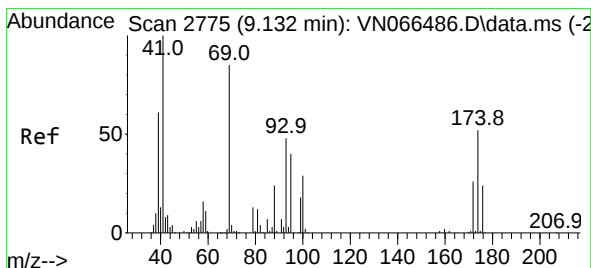
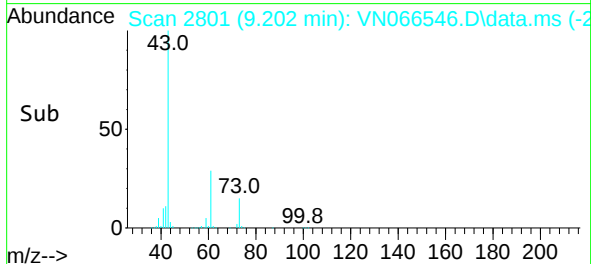
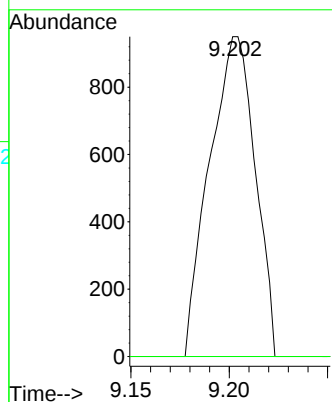


#45
1,2-Dichloropropane
Concen: 0.41 ug/l
RT: 9.202 min Scan# 2801
Delta R.T. 0.153 min
Lab File: VN066546.D
Acq: 8 Apr 2021 17:08

Instrument :
MSVOA_N
ClientSampled :

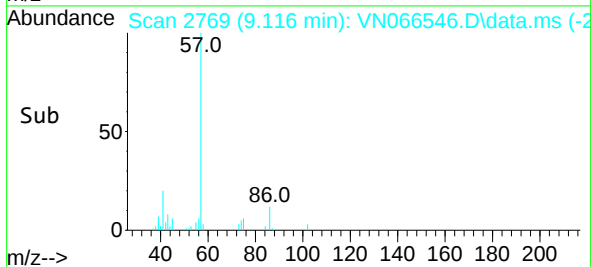
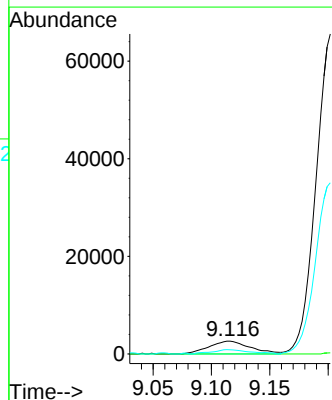
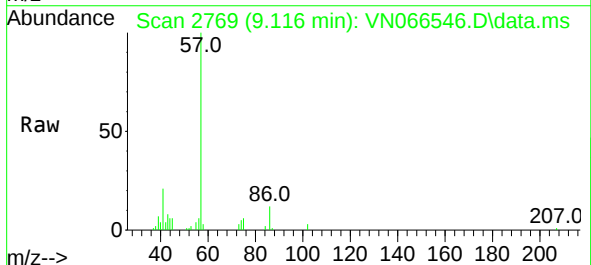


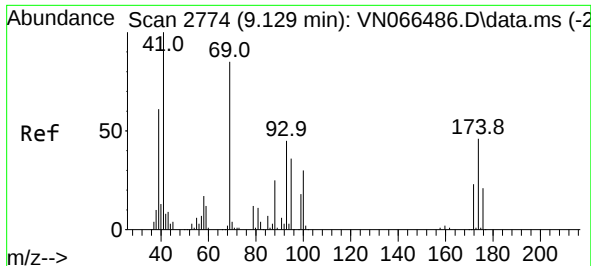
Tgt Ion: 63 Resp: 1532
Ion Ratio Lower Upper
63 100
65 0.0 25.5 38.3#



#48
Methyl methacrylate
Concen: 1.70 ug/l
RT: 9.116 min Scan# 2769
Delta R.T. -0.016 min
Lab File: VN066546.D
Acq: 8 Apr 2021 17:08

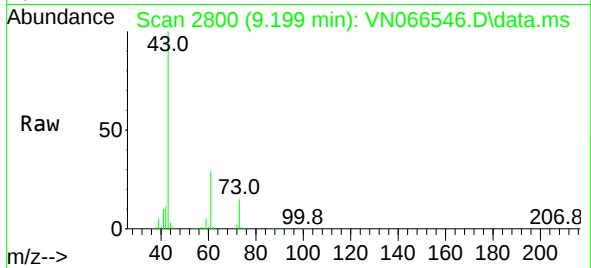
Tgt Ion: 41 Resp: 6468
Ion Ratio Lower Upper
41 100
69 0.0 66.2 99.4#
39 0.0 51.5 77.3#



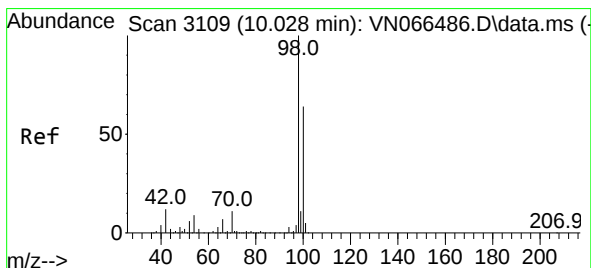
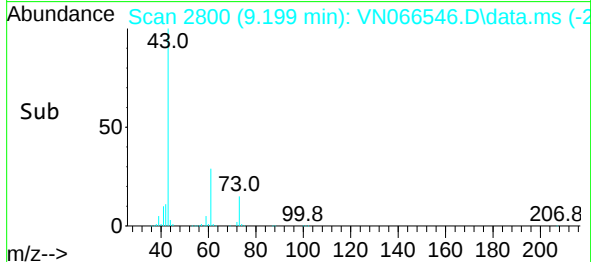
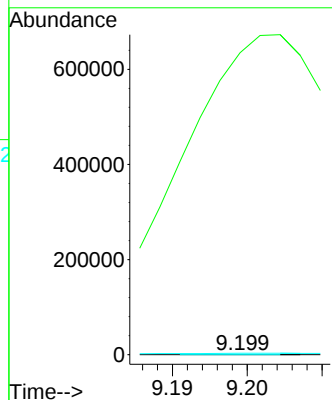


#49
1,4-Dioxane
Concen: 1.09 ug/l
RT: 9.199 min Scan# 2800
Delta R.T. 0.070 min
Lab File: VN066546.D
Acq: 8 Apr 2021 17:08

Instrument :
MSVOA_N
ClientSampled :

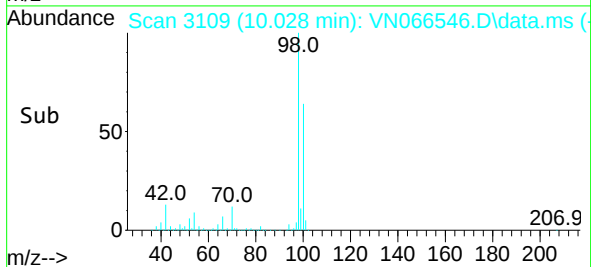
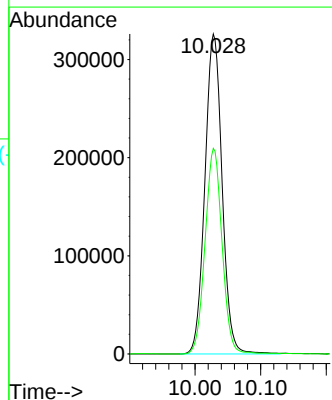
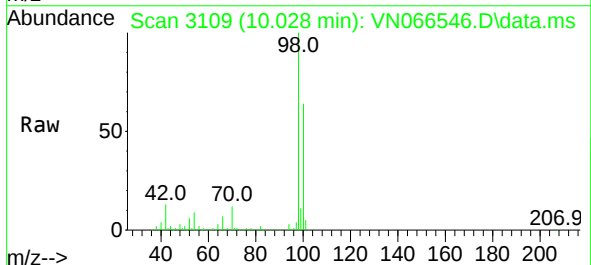


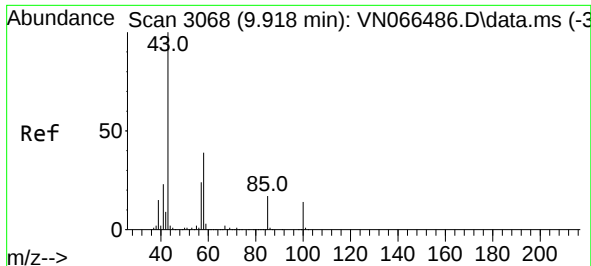
Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 2230410.7 28.2 42.4#
58 11996.4 56.6 84.8#



#50
Toluene-d8
Concen: 49.93 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066546.D
Acq: 8 Apr 2021 17:08

Tgt Ion: 98 Resp: 593570
Ion Ratio Lower Upper
98 100
100 63.6 50.5 75.7

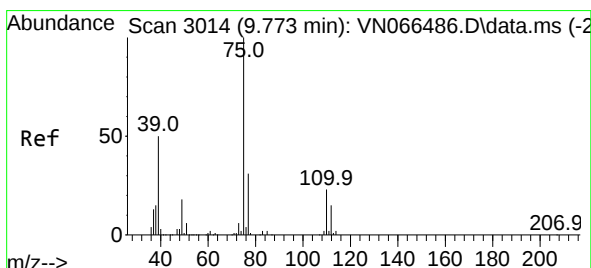
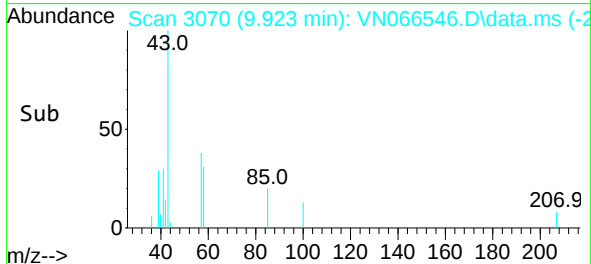
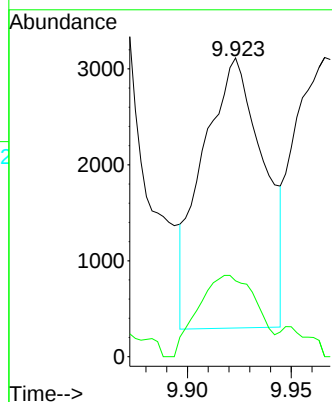
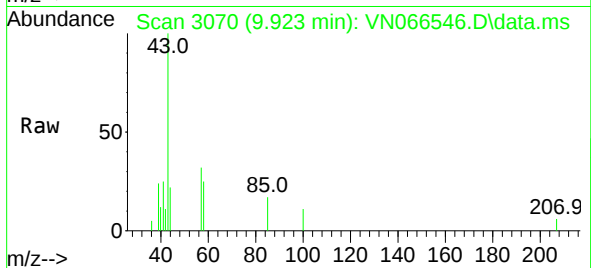




#51
4-Methyl-2-Pentanone
Concen: 1.13 ug/l
RT: 9.923 min Scan# 3070
Delta R.T. 0.005 min
Lab File: VN066546.D
Acq: 8 Apr 2021 17:08

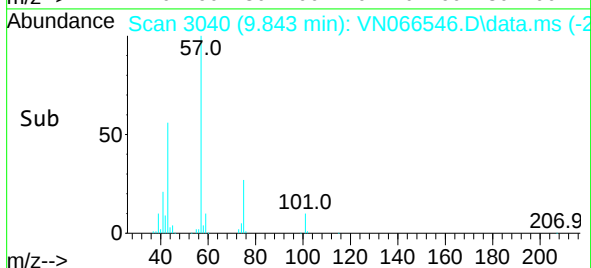
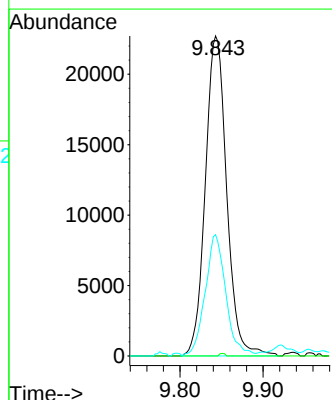
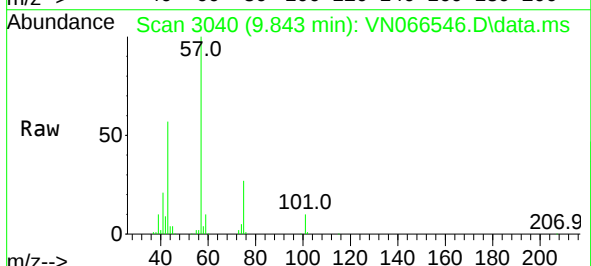
Instrument :
MSVOA_N
ClientSampled :

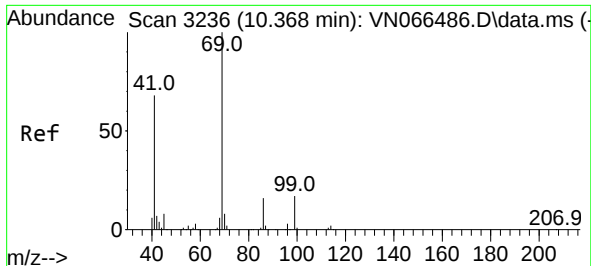
Tgt Ion: 43 Resp: 5731
Ion Ratio Lower Upper
43 100
58 29.2 30.8 46.2#



#54
cis-1,3-Dichloropropene
Concen: 7.13 ug/l
RT: 9.843 min Scan# 3040
Delta R.T. 0.070 min
Lab File: VN066546.D
Acq: 8 Apr 2021 17:08

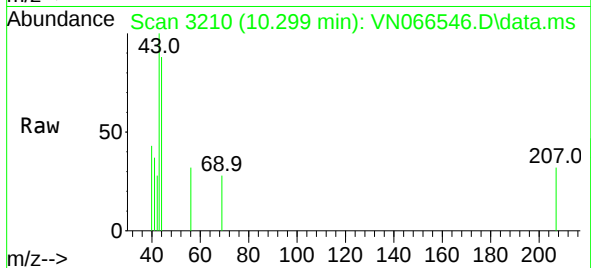
Tgt Ion: 75 Resp: 40586
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#
39 37.2 44.2 66.4#



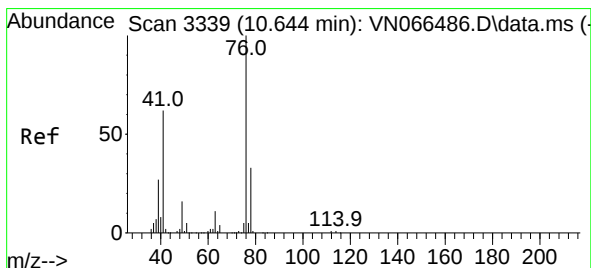
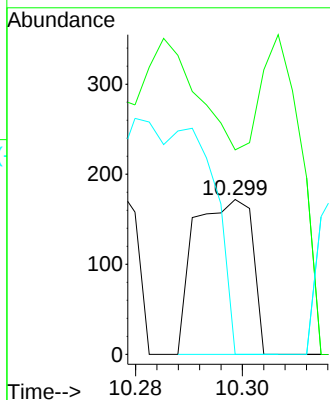
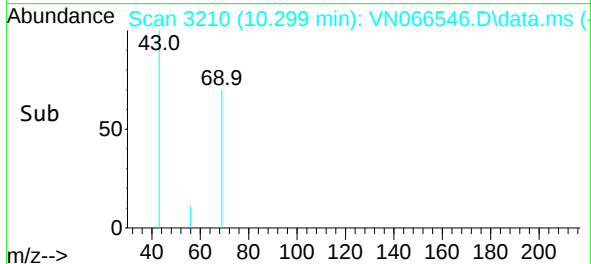


#56
Ethyl methacrylate
Concen: 3.74 ug/l
RT: 10.299 min Scan# 3210
Delta R.T. -0.069 min
Lab File: VN066546.D
Acq: 8 Apr 2021 17:08

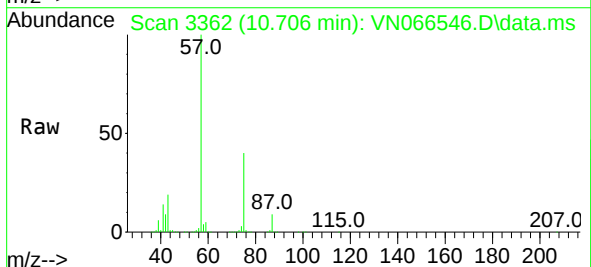
Instrument :
MSVOA_N
ClientSampled :



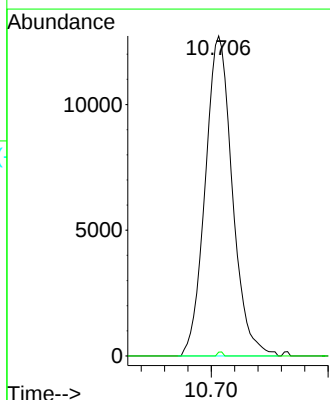
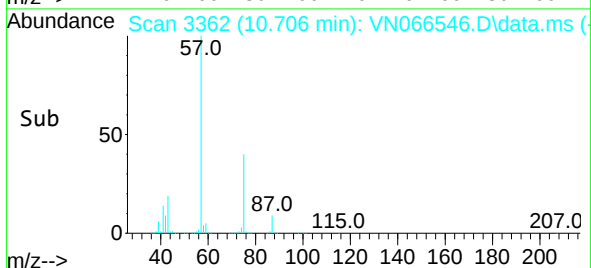
Tgt Ion: 69 Resp: 129
Ion Ratio Lower Upper
69 100
41 0.0 55.3 82.9#
39 0.0 33.8 50.6#

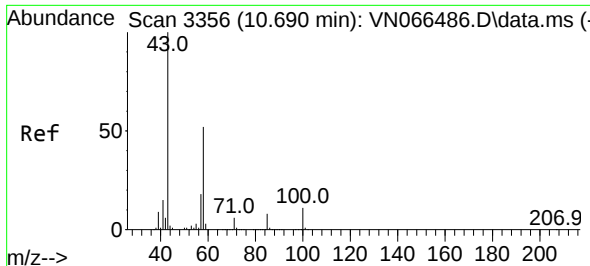


#57
1,3-Dichloropropane
Concen: 3.59 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.062 min
Lab File: VN066546.D
Acq: 8 Apr 2021 17:08



Tgt Ion: 76 Resp: 20540
Ion Ratio Lower Upper
76 100
78 0.2 25.9 38.9#

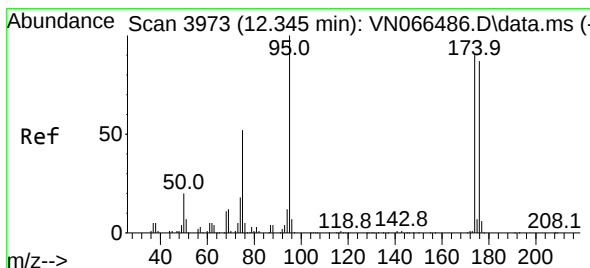
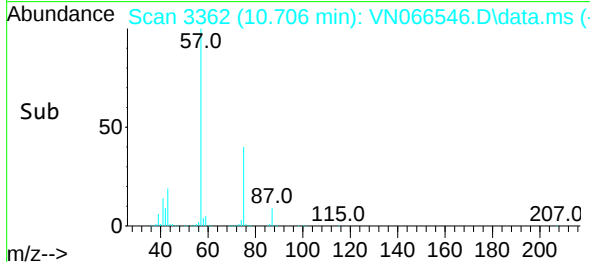
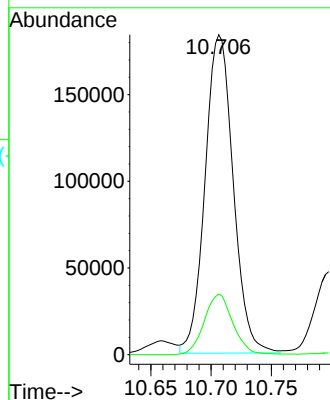
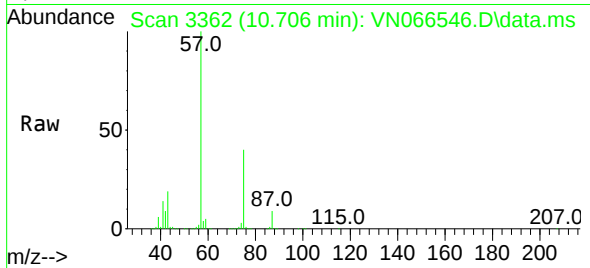




#59
2-Hexanone
Concen: 85.05 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.016 min
Lab File: VN066546.D
Acq: 8 Apr 2021 17:08

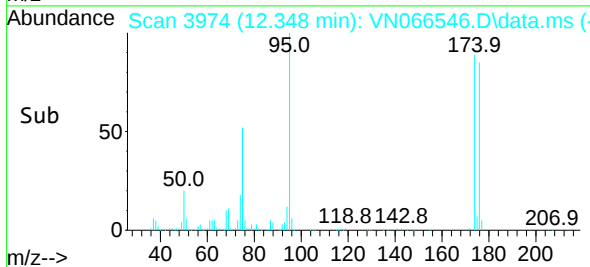
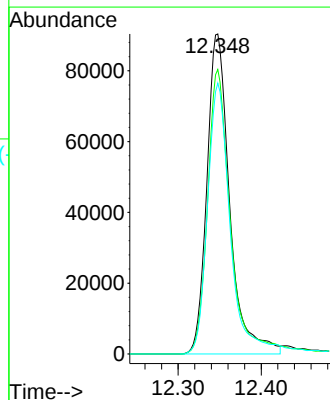
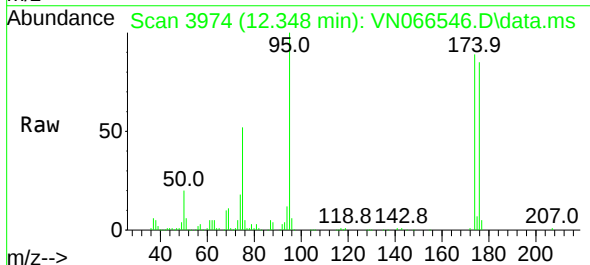
Instrument :
MSVOA_N
ClientSampled :

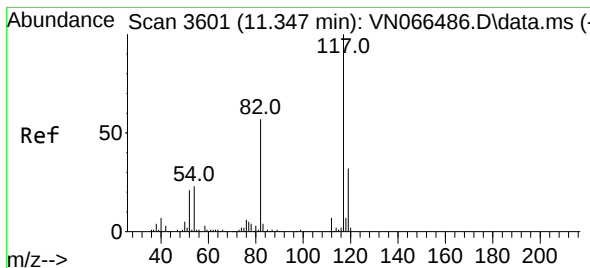
Tgt Ion: 43 Resp: 298592
Ion Ratio Lower Upper
43 100
58 19.5 26.6 79.8#



#62
4-Bromofluorobenzene
Concen: 44.69 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.003 min
Lab File: VN066546.D
Acq: 8 Apr 2021 17:08

Tgt Ion: 95 Resp: 172252
Ion Ratio Lower Upper
95 100
174 90.6 0.0 172.2
176 85.5 0.0 167.8

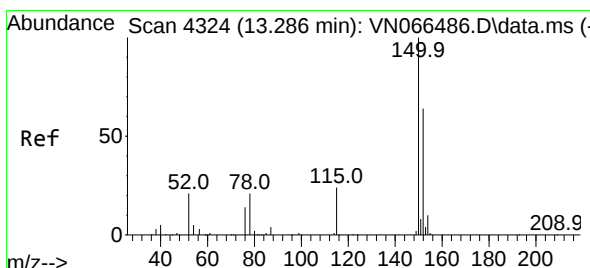
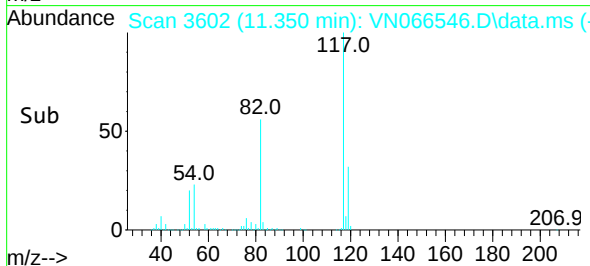
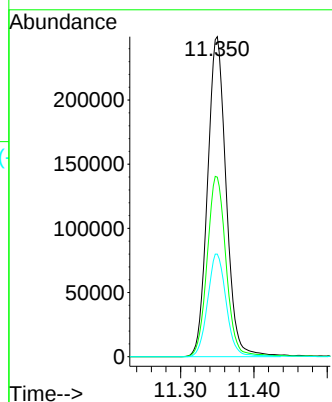
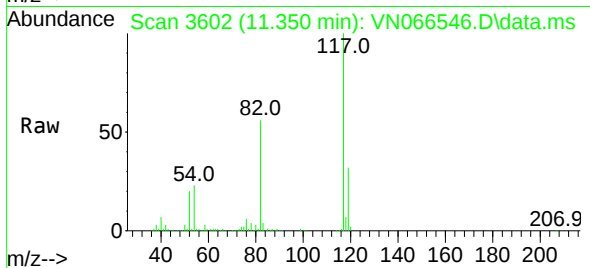




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. 0.003 min
Lab File: VN066546.D
Acq: 8 Apr 2021 17:08

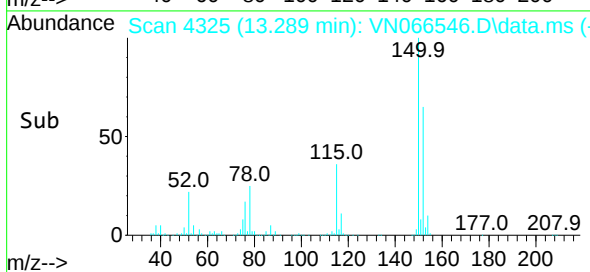
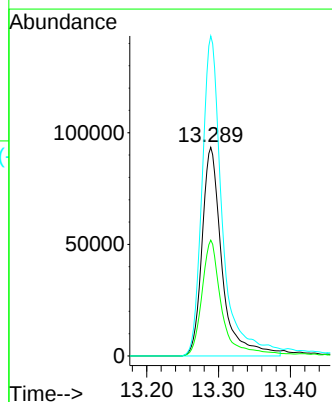
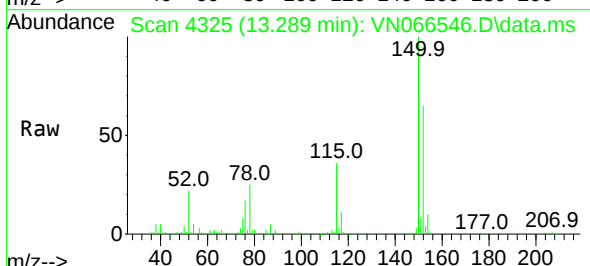
Instrument :
MSVOA_N
ClientSampleId :

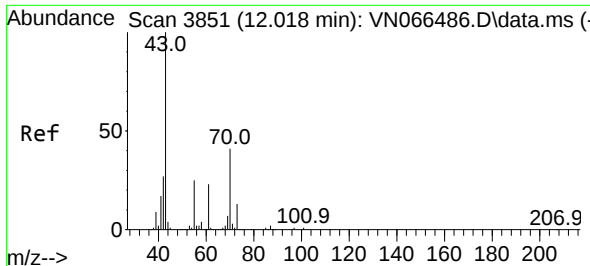
Tgt Ion:117 Resp: 439745
Ion Ratio Lower Upper
117 100
82 56.1 44.2 66.4
119 32.1 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.289 min Scan# 4325
Delta R.T. 0.003 min
Lab File: VN066546.D
Acq: 8 Apr 2021 17:08

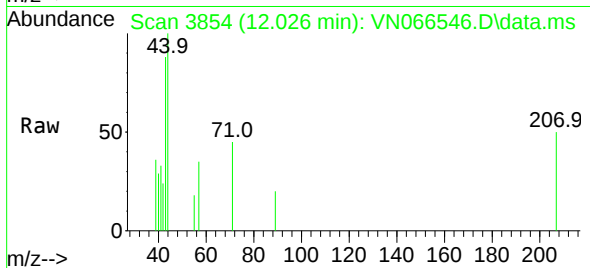
Tgt Ion:152 Resp: 181186
Ion Ratio Lower Upper
152 100
115 55.8 27.8 83.4
150 151.4 0.0 348.4



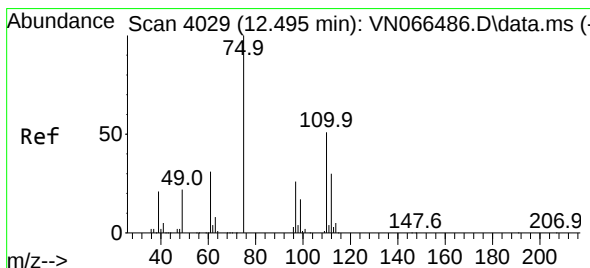
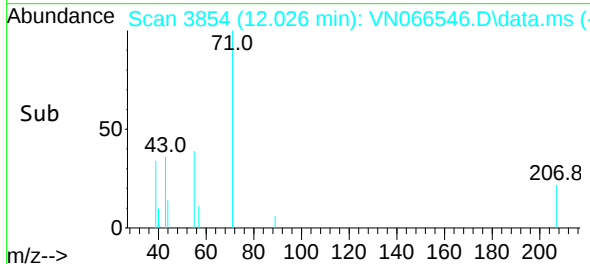
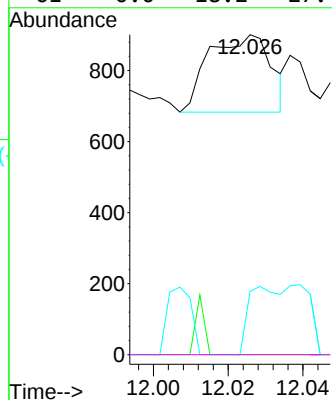


#74
N-amy1 acetate
Concen: 12.77 ug/l
RT: 12.026 min Scan# 3854
Delta R.T. 0.008 min
Lab File: VN066546.D
Acq: 8 Apr 2021 17:08

Instrument :
MSVOA_N
ClientSampled :

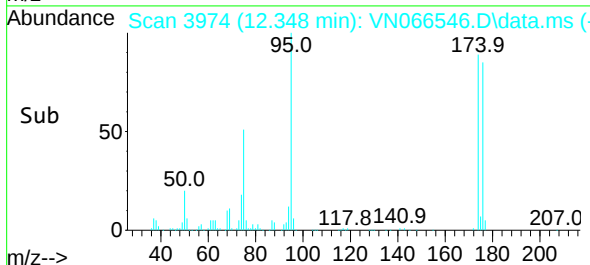
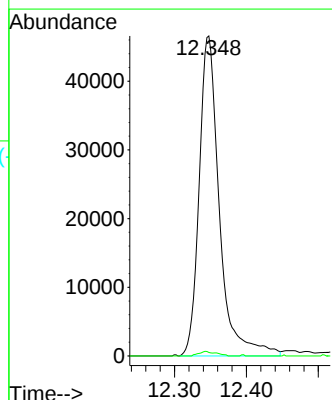
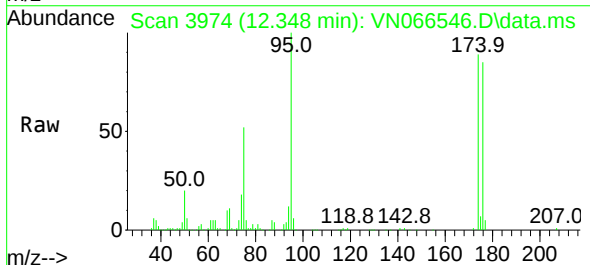


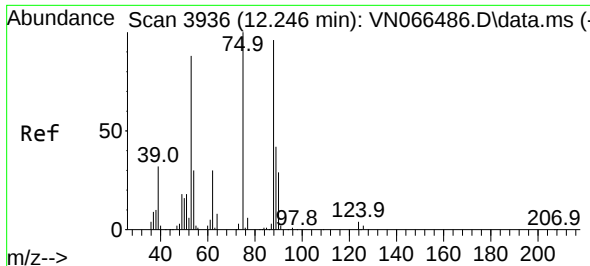
Tgt Ion: 43 Resp: 248
Ion Ratio Lower Upper
43 100
70 0.0 31.2 46.8#
55 46.4 18.6 28.0#
61 0.0 18.2 27.4#



#76
1,2,3-Trichloropropane
Concen: 22.35 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. -0.147 min
Lab File: VN066546.D
Acq: 8 Apr 2021 17:08

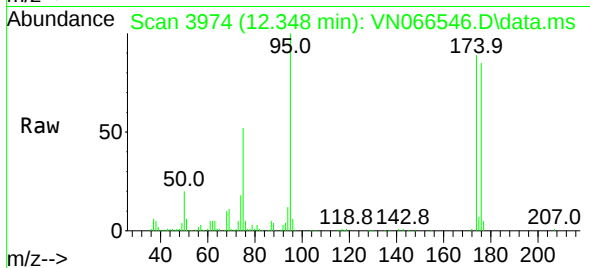
Tgt Ion: 75 Resp: 91348
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



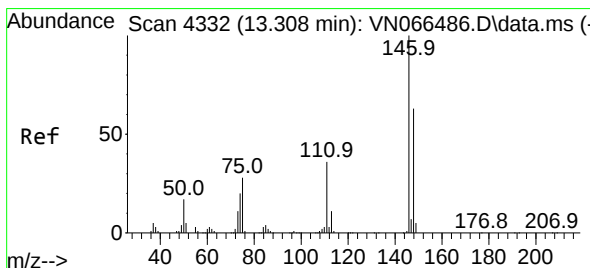
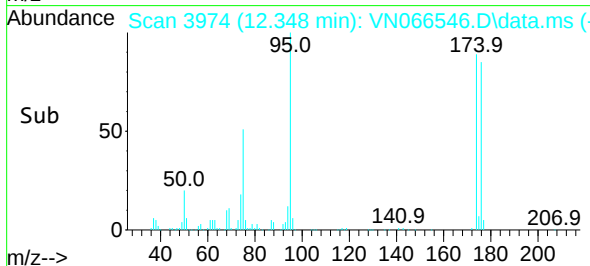
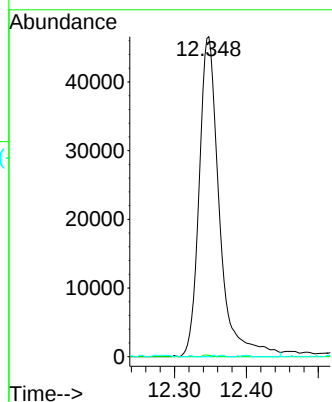


#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.12 ug/l
 RT: 12.348 min Scan# 3974
 Delta R.T. 0.102 min
 Lab File: VN066546.D
 Acq: 8 Apr 2021 17:08

Instrument :
 MSVOA_N
 ClientSampled :

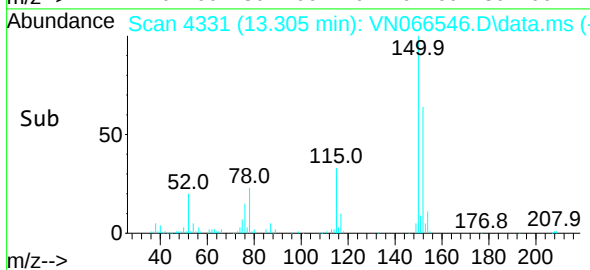
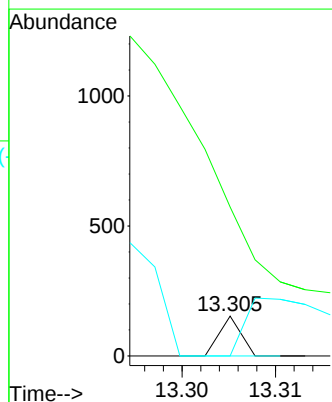
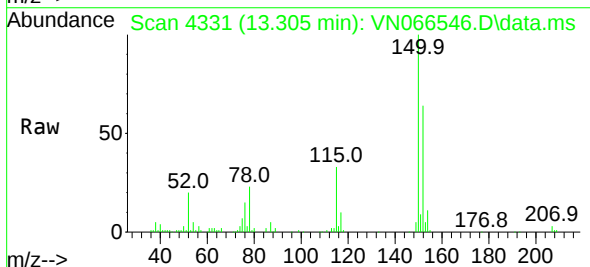


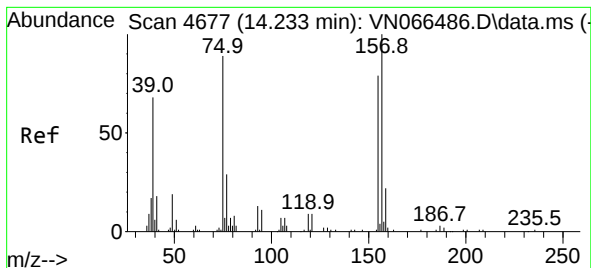
Tgt Ion: 75 Resp: 91348
 Ion Ratio Lower Upper
 75 100
 53 0.2 76.1 114.1#
 89 0.1 35.7 53.5#



#88
 1,4-Dichlorobenzene
 Concen: 1.00 ug/l
 RT: 13.305 min Scan# 4331
 Delta R.T. -0.003 min
 Lab File: VN066546.D
 Acq: 8 Apr 2021 17:08

Tgt Ion: 146 Resp: 25
 Ion Ratio Lower Upper
 146 100
 111 0.0 18.3 54.9#
 148 512.0 31.9 95.9#

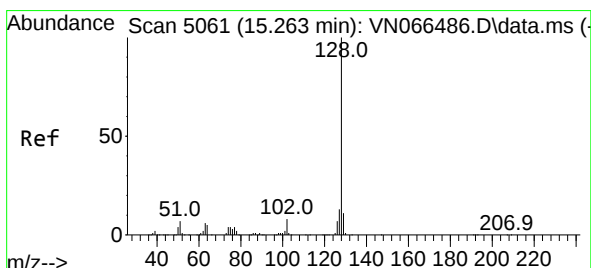
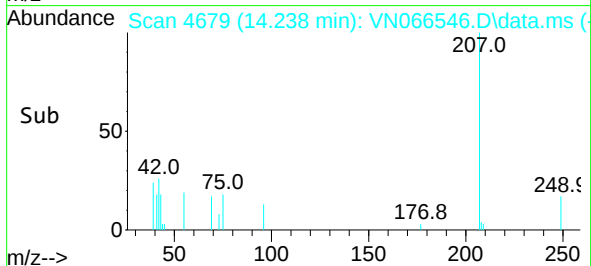
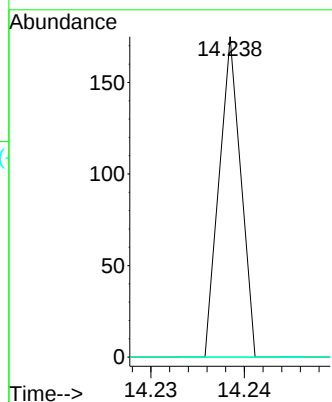
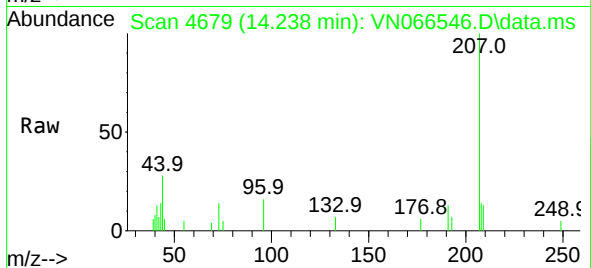




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.36 ug/l
RT: 14.238 min Scan# 4679
Delta R.T. 0.005 min
Lab File: VN066546.D
Acq: 8 Apr 2021 17:08

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 28
Ion Ratio Lower Upper
75 100
155 0.0 43.8 131.3#
157 0.0 57.6 172.8#



#95
Naphthalene
Concen: 1.97 ug/l
RT: 15.290 min Scan# 5071
Delta R.T. 0.027 min
Lab File: VN066546.D
Acq: 8 Apr 2021 17:08

Tgt Ion:128 Resp: 25
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.5 12.7#

