

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031721\
 Data File : VN066242.D
 Acq On : 17 Mar 2021 18:17
 Operator : JC/MD
 Sample : M1687-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

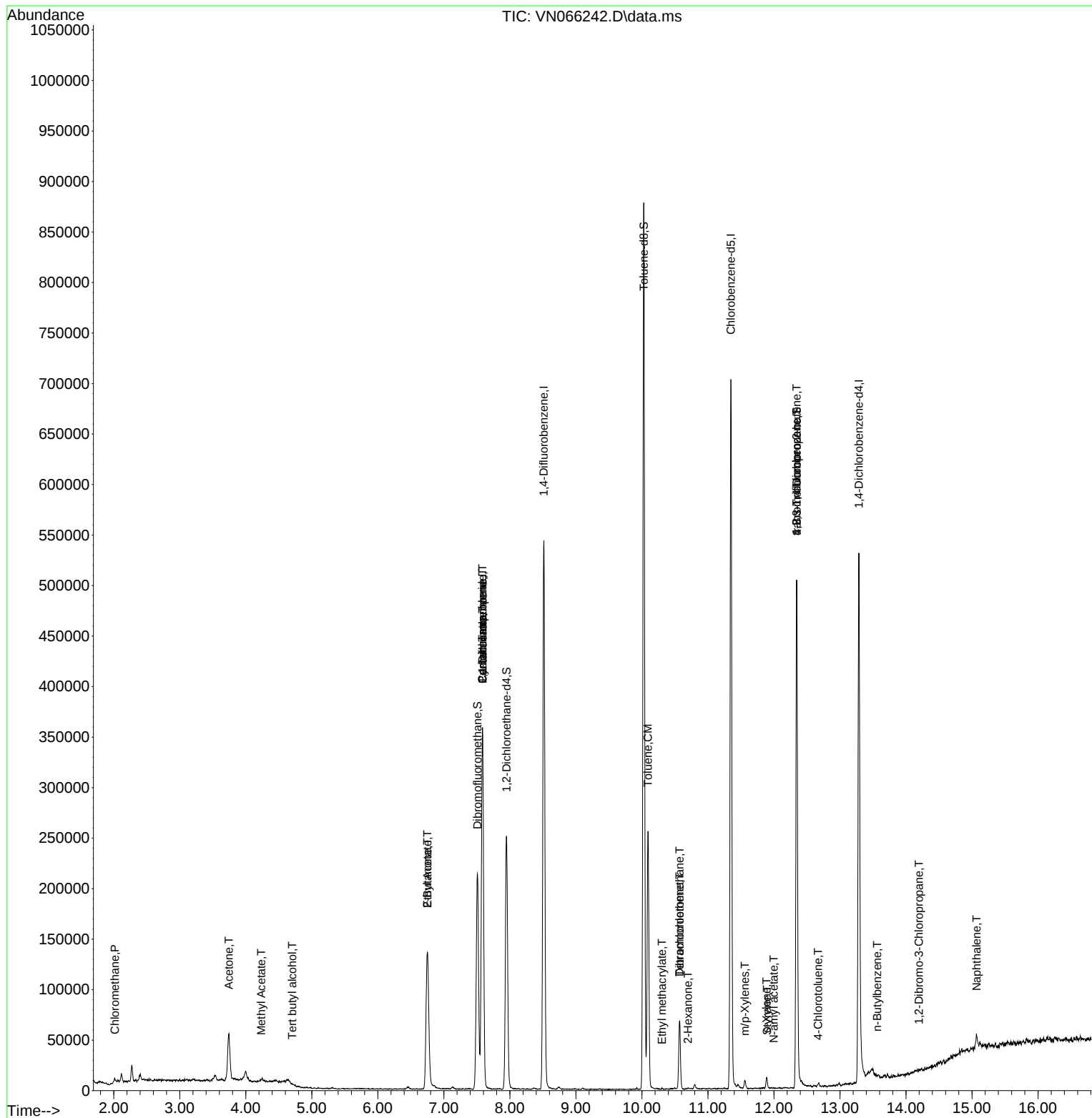
Quant Time: Mar 18 04:47:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031621W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 17 05:05:15 2021
 Response via : Initial Calibration

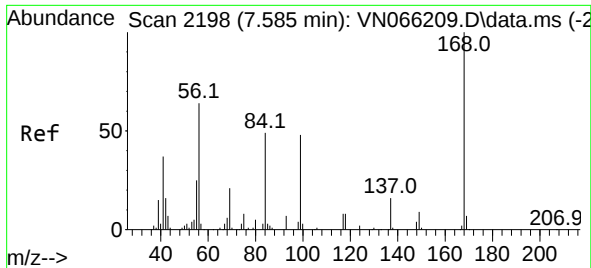
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.587	168	318216	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	486485	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	410223	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.286	152	166447	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.949	65	209769	45.75	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.50%		
35) Dibromofluoromethane	7.509	113	166320	53.59	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	107.18%		
50) Toluene-d8	10.028	98	596085	49.67	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.34%		
62) 4-Bromofluorobenzene	12.345	95	177794	41.10	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	82.20%#		
Target Compounds					Qvalue	
3) Chloromethane	2.017	50	2577	0.20	ug/l #	88
11) Tert butyl alcohol	4.704	59	222	0.28	ug/l #	18
13) Acrolein	3.532	56	4953	Below Cal		87
16) Acetone	3.744	43	73857	33.53	ug/l	97
18) Methyl Acetate	4.235	43	2687	0.44	ug/l	98
25) 2-Butanone	6.750	43	245419	71.74	ug/l #	90
31) Cyclohexane	7.584	56	5346	0.78	ug/l #	1
36) 1,1-Dichloropropene	7.584	75	21093	4.28	ug/l #	52
37) Ethyl Acetate	6.750	43	245419	34.86	ug/l #	74
38) Carbon Tetrachloride	7.584	117	27199	6.16	ug/l #	17
52) Toluene	10.092	92	112077	13.07	ug/l	100
56) Ethyl methacrylate	10.304	69	82	2.17	ug/l #	63
59) 2-Hexanone	10.698	43	763	1.48	ug/l	87
60) Dibromochloromethane	10.572	129	13881	3.77	ug/l #	10
64) Tetrachloroethene	10.569	164	17122	5.03	ug/l	96
68) m/p-Xylenes	11.559	106	2441	0.45	ug/l	98
69) o-Xylene	11.889	106	2680	0.52	ug/l	86
70) Styrene	11.897	104	485	2.20	ug/l #	53
74) N-amyl acetate	11.999	43	26	2.16	ug/l #	49
76) 1,2,3-Trichloropropane	12.345	75	82820	19.27	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.345	75	82820	57.66	ug/l #	11
82) 4-Chlorotoluene	12.667	91	50	0.47	ug/l #	43
89) n-Butylbenzene	13.563	91	115	2.25	ug/l #	35
92) 1,2-Dibromo-3-Chloropr...	14.195	75	65	0.90	ug/l #	8
95) Naphthalene	15.070	128	11455	1.17	ug/l #	82

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

Quant Time: Mar 18 04:47:16 2021
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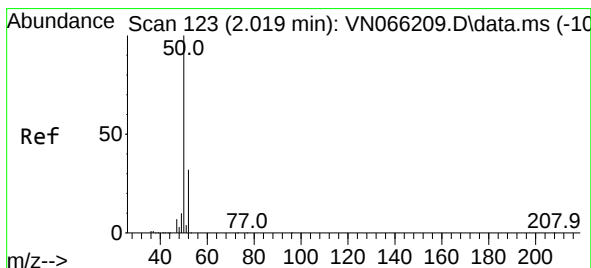
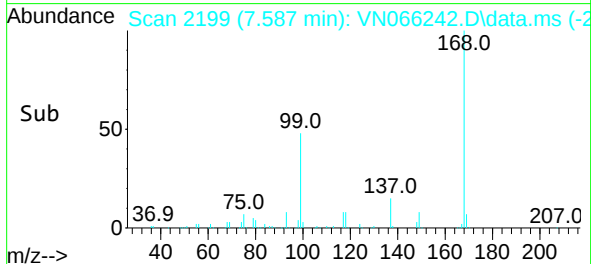
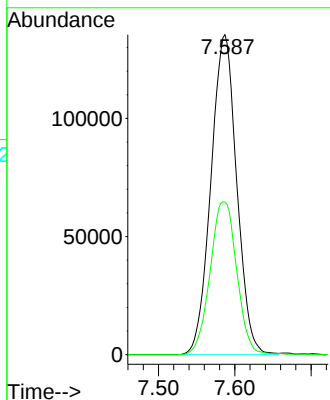
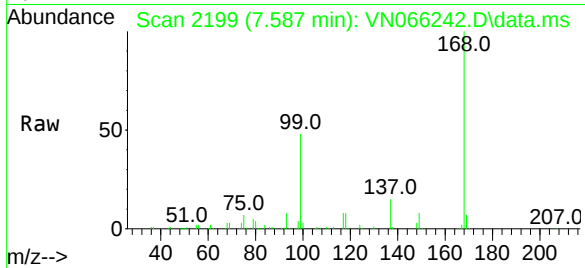




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. 0.002 min
Lab File: VN066242.D
Acq: 17 Mar 2021 18:17

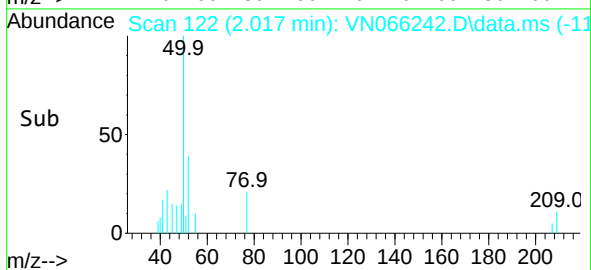
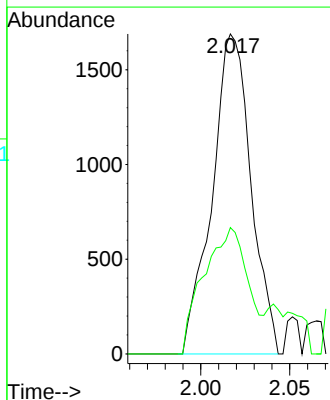
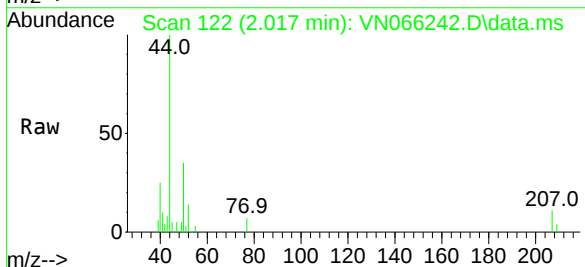
Instrument :
MSVOA_N
ClientSampled :

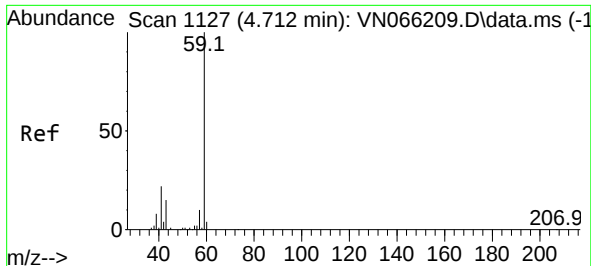
Tgt Ion:168 Resp: 318216
Ion Ratio Lower Upper
168 100
99 47.7 45.4 68.0



#3
Chloromethane
Concen: 0.20 ug/l
RT: 2.017 min Scan# 122
Delta R.T. -0.002 min
Lab File: VN066242.D
Acq: 17 Mar 2021 18:17

Tgt Ion: 50 Resp: 2577
Ion Ratio Lower Upper
50 100
52 39.5 26.2 39.4#

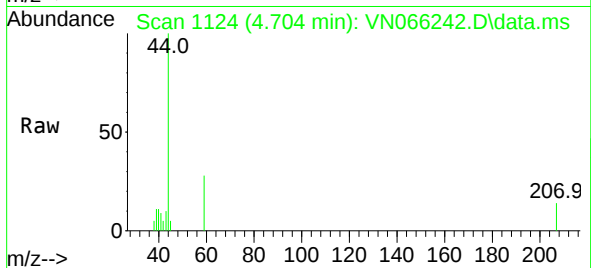




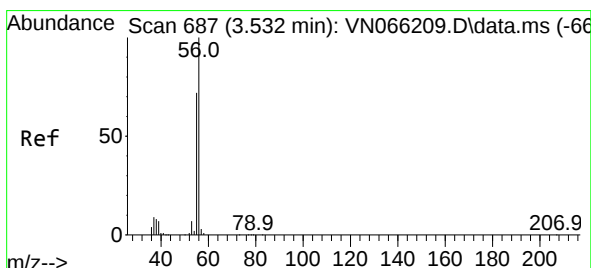
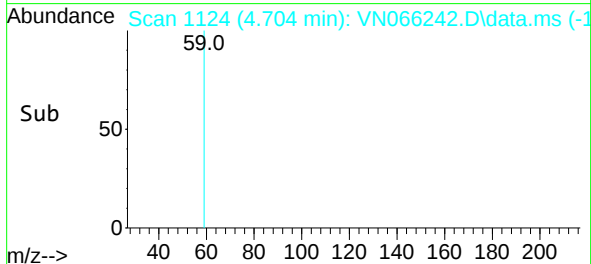
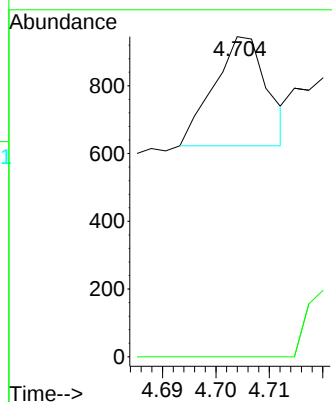
#11

Tert butyl alcohol
Concen: 0.28 ug/l
RT: 4.704 min Scan# 1124
Delta R.T. -0.008 min
Lab File: VN066242.D
Acq: 17 Mar 2021 18:17

Instrument :
MSVOA_N
ClientSampled :



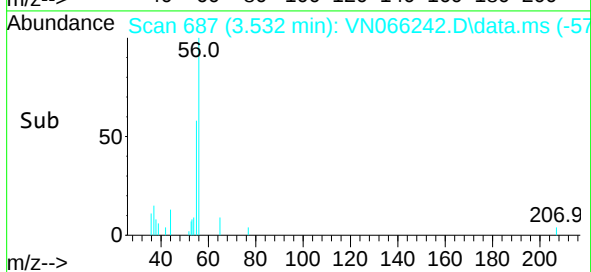
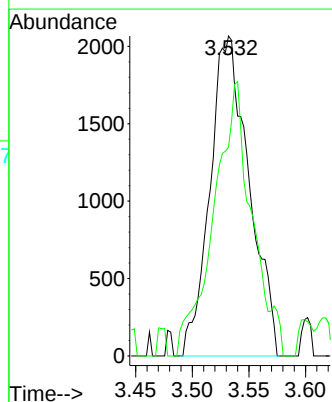
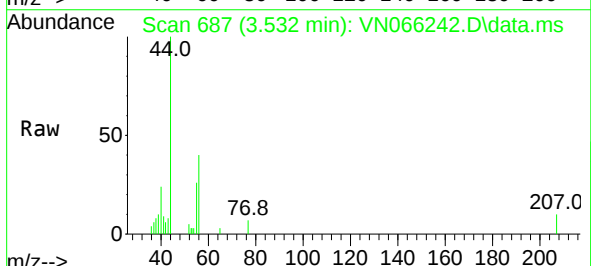
Tgt Ion: 59 Resp: 222
Ion Ratio Lower Upper
59 100
57 40.5 8.0 12.0#

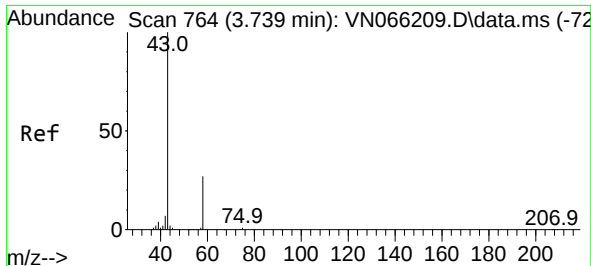


#13

Acrolein
Concen: Below Cal
RT: 3.532 min Scan# 687
Delta R.T. -0.000 min
Lab File: VN066242.D
Acq: 17 Mar 2021 18:17

Tgt Ion: 56 Resp: 4953
Ion Ratio Lower Upper
56 100
55 83.4 58.0 87.0

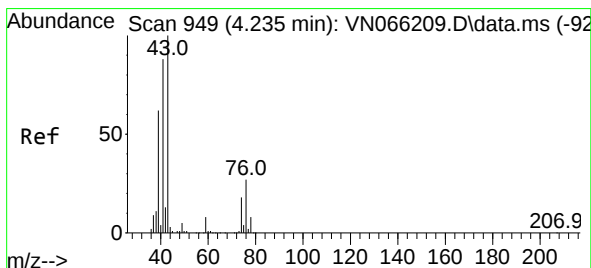
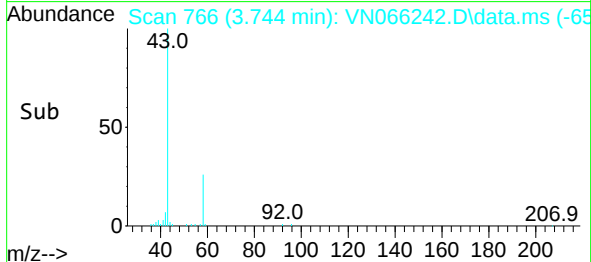
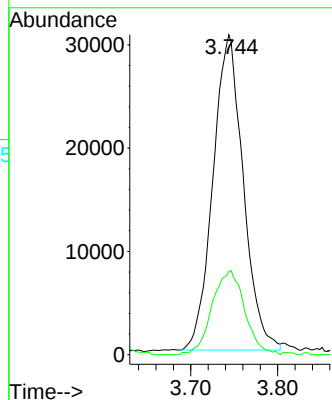
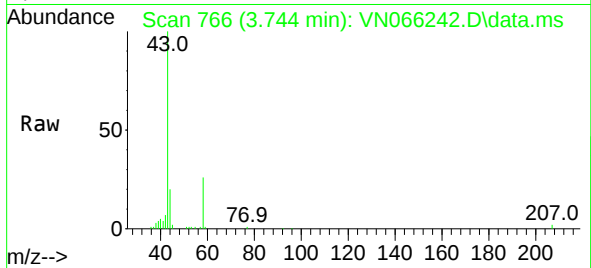




#16
Acetone
Concen: 33.53 ug/l
RT: 3.744 min Scan# 766
Delta R.T. 0.005 min
Lab File: VN066242.D
Acq: 17 Mar 2021 18:17

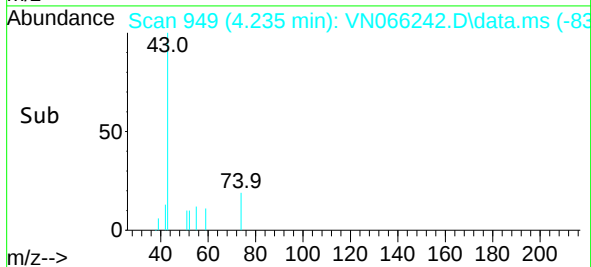
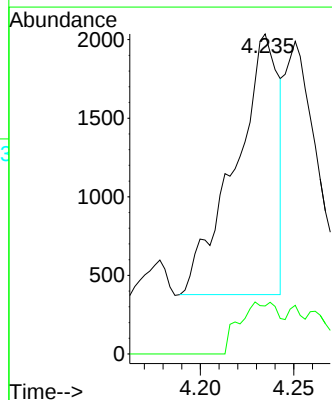
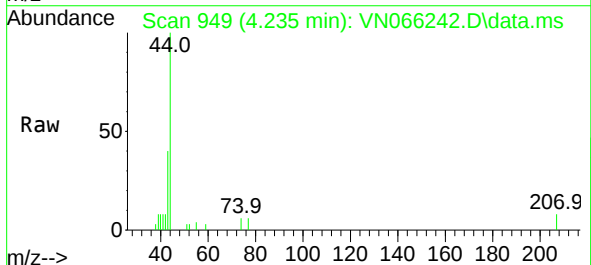
Instrument :
MSVOA_N
ClientSampled :

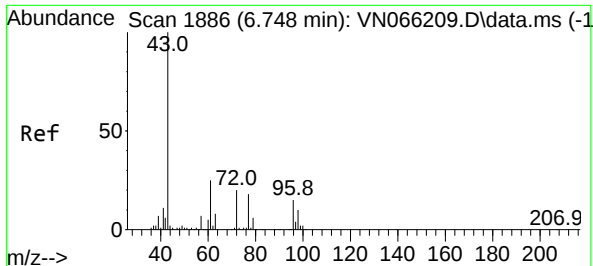
Tgt Ion: 43 Resp: 73857
Ion Ratio Lower Upper
43 100
58 26.4 22.3 33.5



#18
Methyl Acetate
Concen: 0.44 ug/l
RT: 4.235 min Scan# 949
Delta R.T. -0.000 min
Lab File: VN066242.D
Acq: 17 Mar 2021 18:17

Tgt Ion: 43 Resp: 2687
Ion Ratio Lower Upper
43 100
74 18.7 14.2 21.2

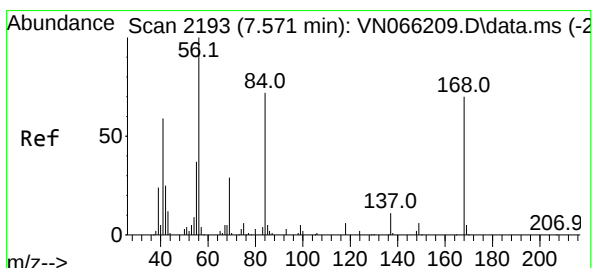
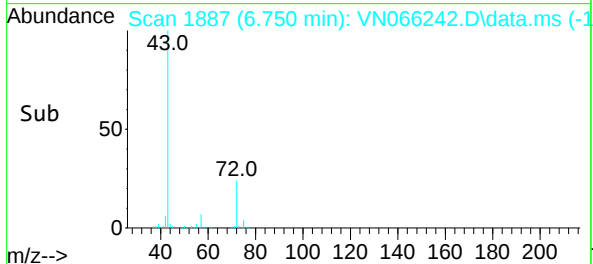
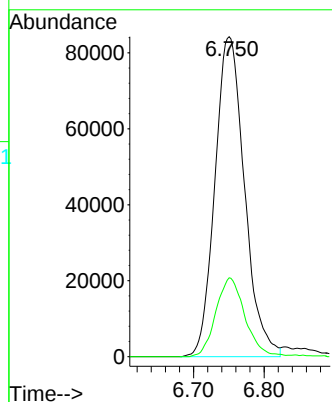
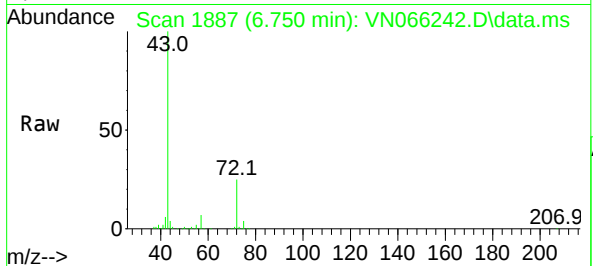




#25
2-Butanone
Concen: 71.74 ug/l
RT: 6.750 min Scan# 1887
Delta R.T. 0.002 min
Lab File: VN066242.D
Acq: 17 Mar 2021 18:17

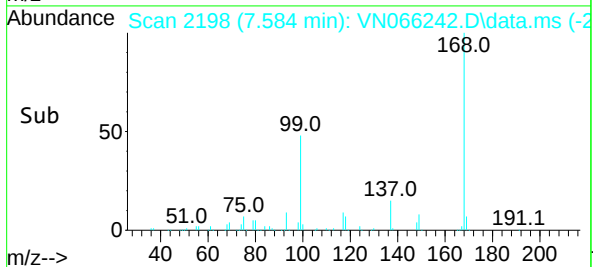
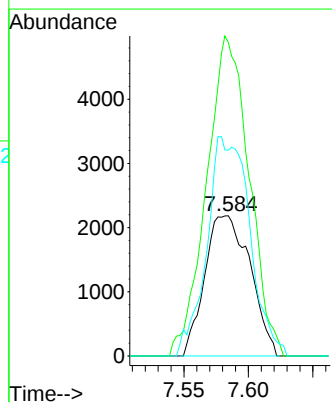
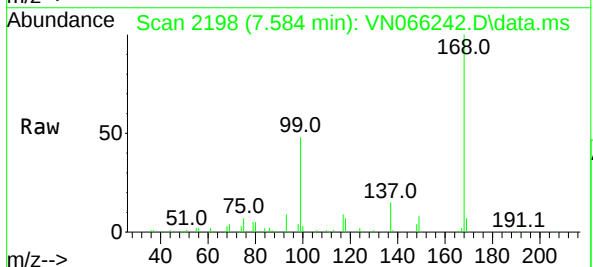
Instrument :
MSVOA_N
ClientSampled :

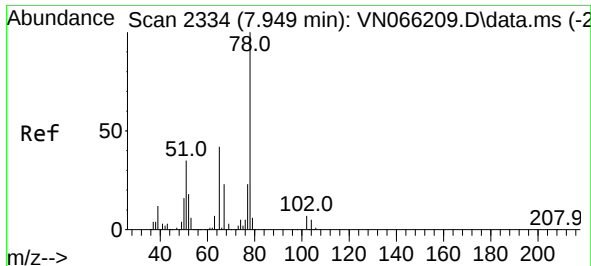
Tgt Ion: 43 Resp: 245419
Ion Ratio Lower Upper
43 100
72 24.6 16.2 24.2#



#31
Cyclohexane
Concen: 0.78 ug/l
RT: 7.584 min Scan# 2198
Delta R.T. 0.013 min
Lab File: VN066242.D
Acq: 17 Mar 2021 18:17

Tgt Ion: 56 Resp: 5346
Ion Ratio Lower Upper
56 100
69 216.1 23.4 35.0#
84 138.7 57.8 86.6#

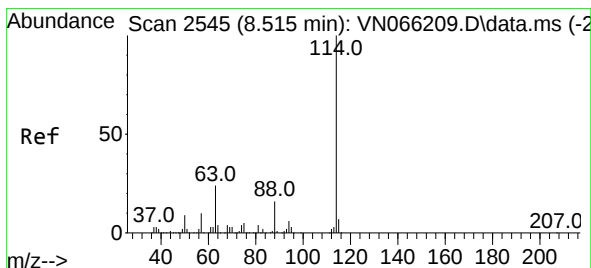
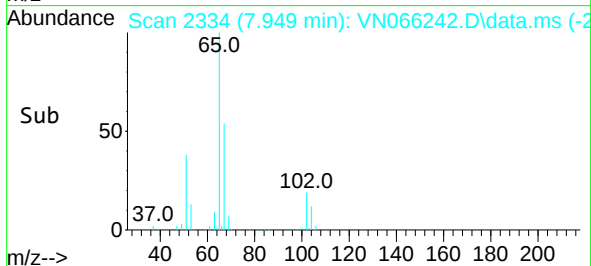
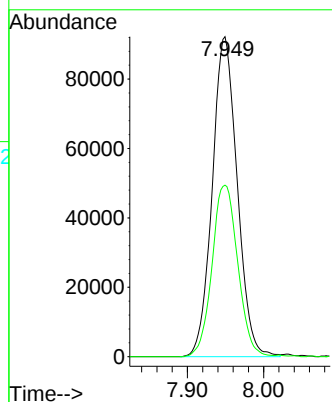
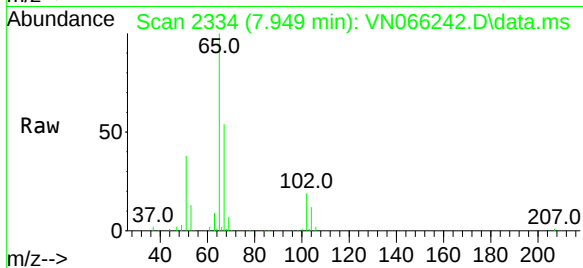




#33
 1,2-Dichloroethane-d4
 Concen: 45.75 ug/l
 RT: 7.949 min Scan# 2334
 Delta R.T. 0.000 min
 Lab File: VN066242.D
 Acq: 17 Mar 2021 18:17

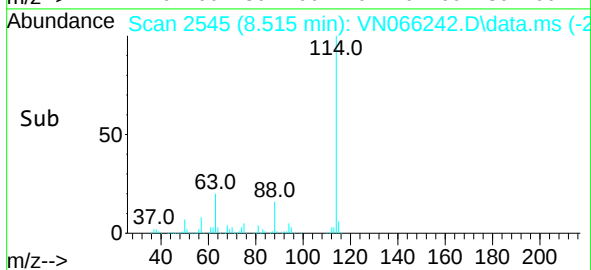
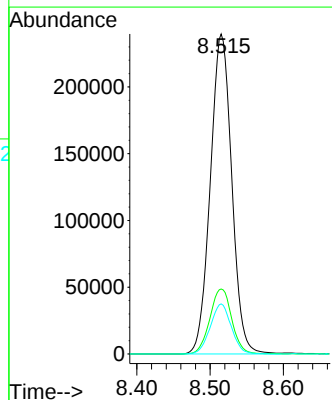
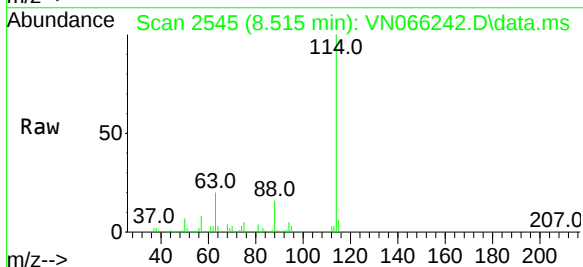
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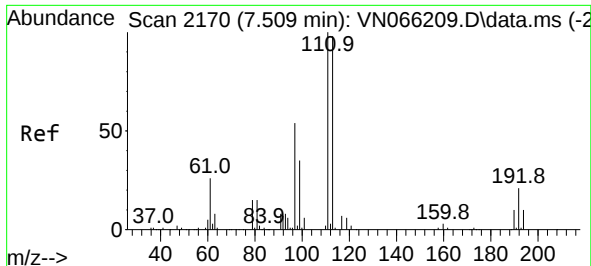
Tgt Ion: 65 Resp: 209769
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.515 min Scan# 2545
 Delta R.T. 0.000 min
 Lab File: VN066242.D
 Acq: 17 Mar 2021 18:17

Tgt Ion: 114 Resp: 486485
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 49.2
 88 15.7 0.0 33.8

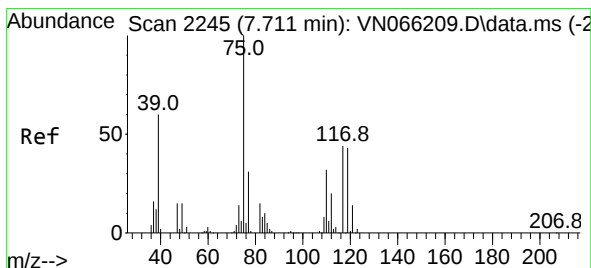
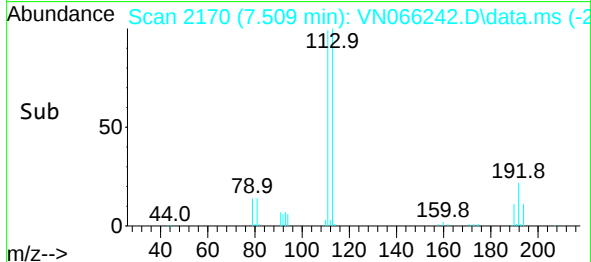
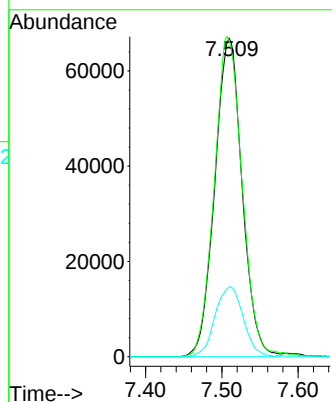
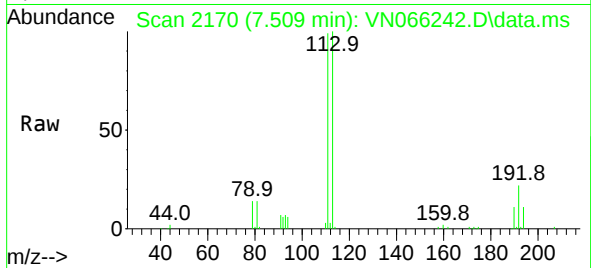




#35
Dibromofluoromethane
Concen: 53.59 ug/l
RT: 7.509 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN066242.D
Acq: 17 Mar 2021 18:17

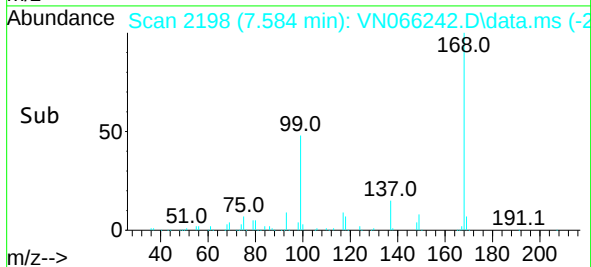
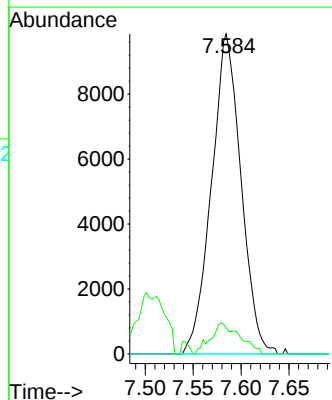
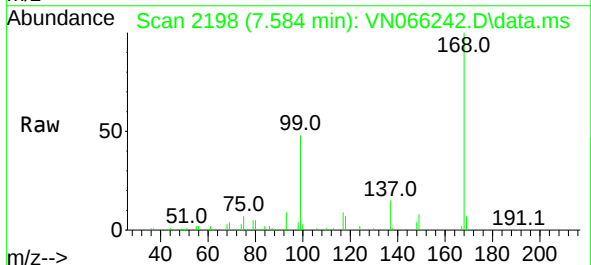
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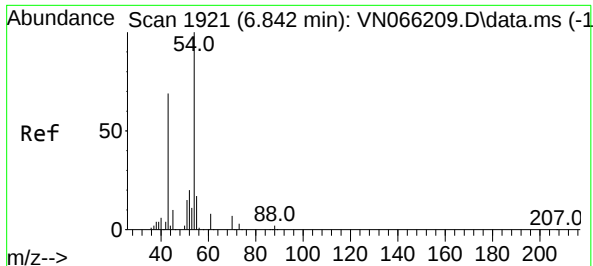
Tgt Ion:113 Resp: 166320
Ion Ratio Lower Upper
113 100
111 102.6 84.0 126.0
192 22.6 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.28 ug/l
RT: 7.584 min Scan# 2198
Delta R.T. -0.127 min
Lab File: VN066242.D
Acq: 17 Mar 2021 18:17

Tgt Ion: 75 Resp: 21093
Ion Ratio Lower Upper
75 100
110 9.5 16.0 48.0#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 34.86 ug/l

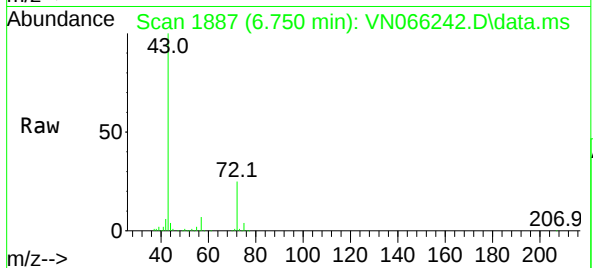
RT: 6.750 min Scan# 1887

Delta R.T. -0.092 min

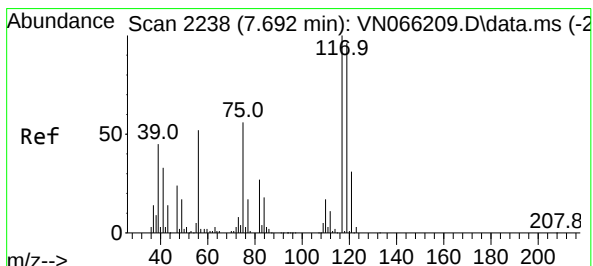
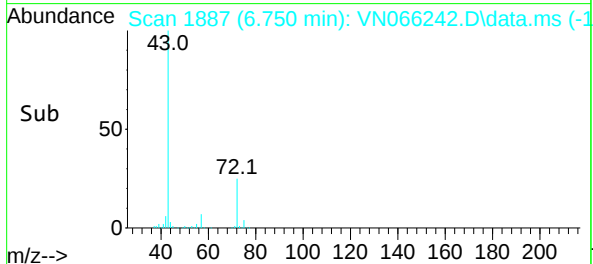
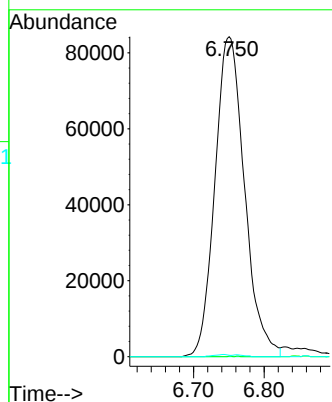
Lab File: VN066242.D

Acq: 17 Mar 2021 18:17

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	43	Resp:	245419
Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.2	13.8#
70	0.4	6.1	9.1#



#38

Carbon Tetrachloride

Concen: 6.16 ug/l

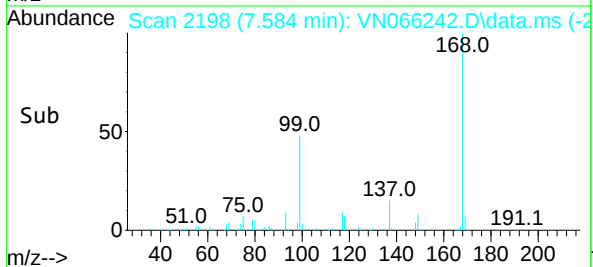
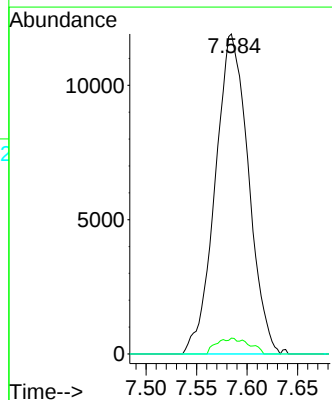
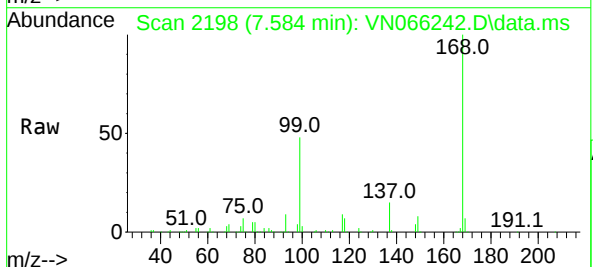
RT: 7.584 min Scan# 2198

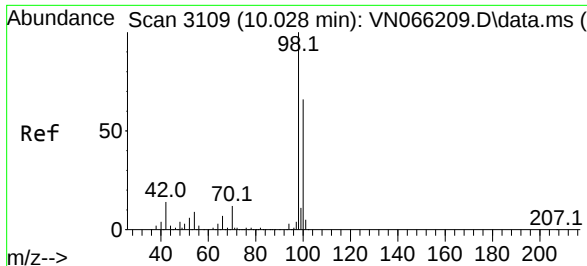
Delta R.T. -0.108 min

Lab File: VN066242.D

Acq: 17 Mar 2021 18:17

Tgt Ion:	117	Resp:	27199
Ion	Ratio	Lower	Upper
117	100		
119	4.9	74.6	111.8#
121	0.0	23.9	35.9#

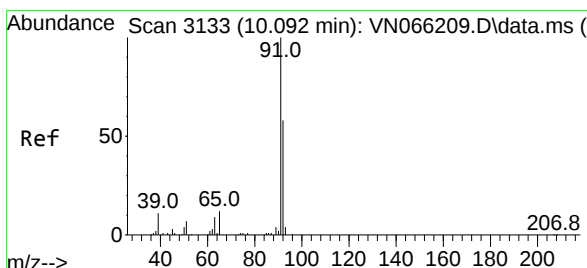
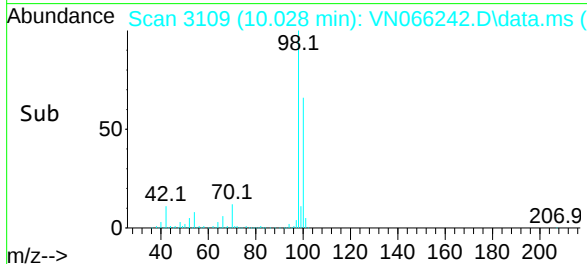
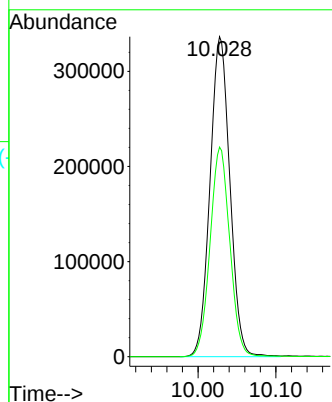
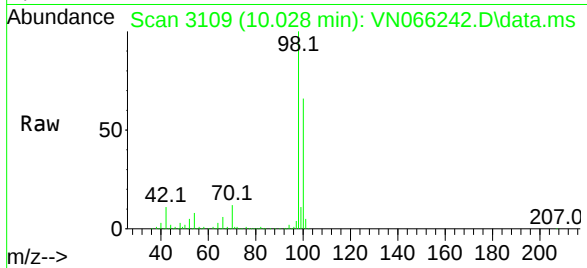




#50
Toluene-d8
Concen: 49.67 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066242.D
Acq: 17 Mar 2021 18:17

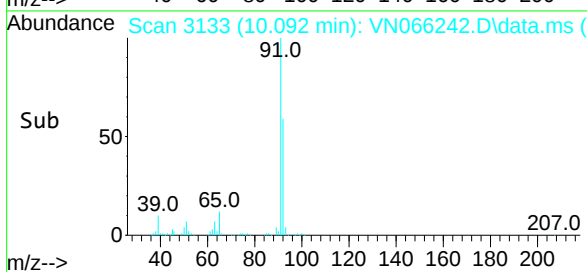
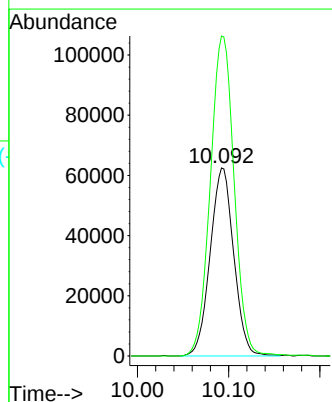
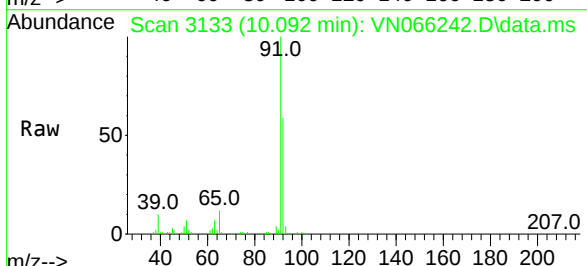
Instrument :
MSVOA_N
ClientSampled :

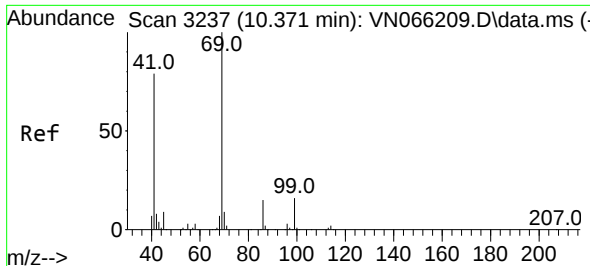
Tgt Ion: 98 Resp: 596085
Ion Ratio Lower Upper
98 100
100 65.1 51.0 76.6



#52
Toluene
Concen: 13.07 ug/l
RT: 10.092 min Scan# 3133
Delta R.T. 0.000 min
Lab File: VN066242.D
Acq: 17 Mar 2021 18:17

Tgt Ion: 92 Resp: 112077
Ion Ratio Lower Upper
92 100
91 172.3 137.5 206.3

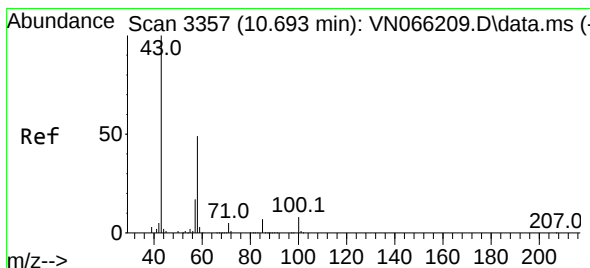
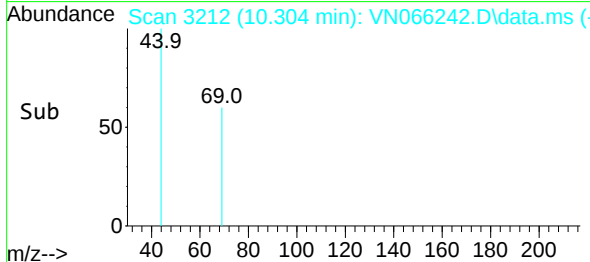
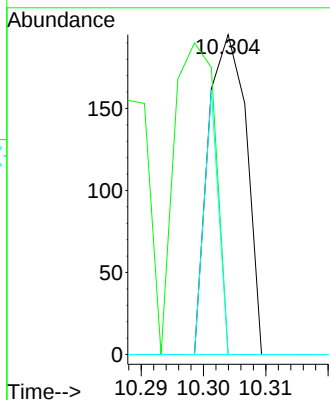
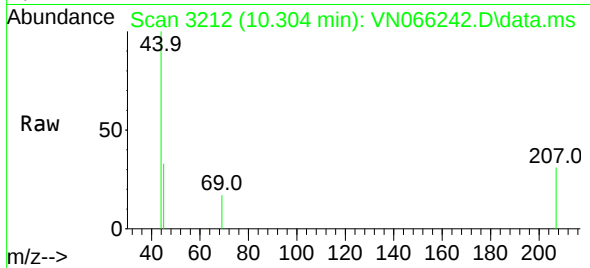




#56
Ethyl methacrylate
Concen: 2.17 ug/l
RT: 10.304 min Scan# 3212
Delta R.T. -0.067 min
Lab File: VN066242.D
Acq: 17 Mar 2021 18:17

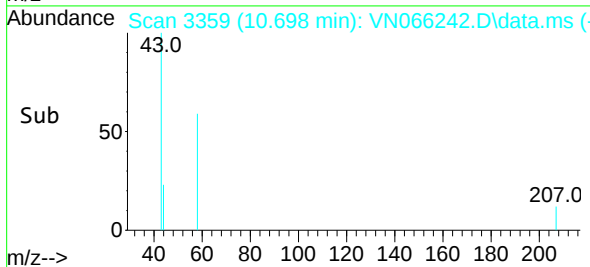
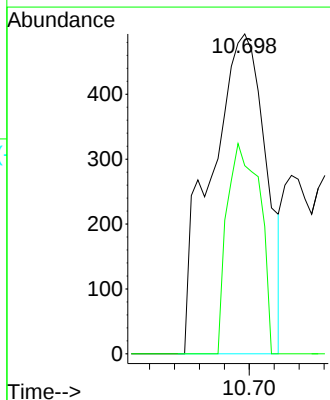
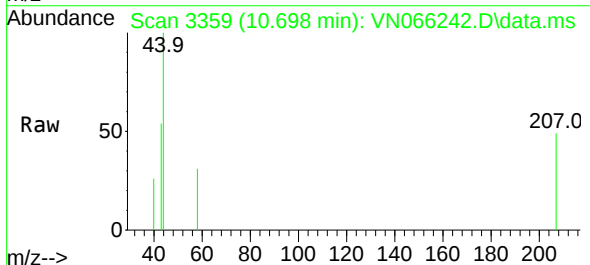
Instrument :
MSVOA_N
ClientSampled :

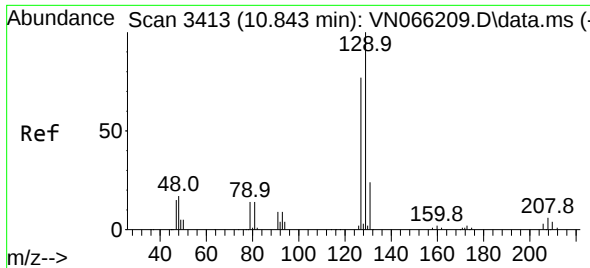
Tgt Ion: 69 Resp: 82
Ion Ratio Lower Upper
69 100
41 104.9 66.2 99.4#
39 0.0 31.5 47.3#



#59
2-Hexanone
Concen: 1.48 ug/l
RT: 10.698 min Scan# 3359
Delta R.T. 0.005 min
Lab File: VN066242.D
Acq: 17 Mar 2021 18:17

Tgt Ion: 43 Resp: 763
Ion Ratio Lower Upper
43 100
58 38.8 23.8 71.5

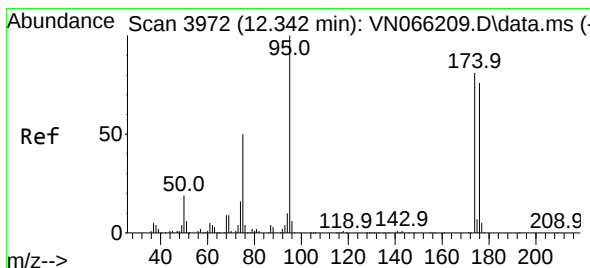
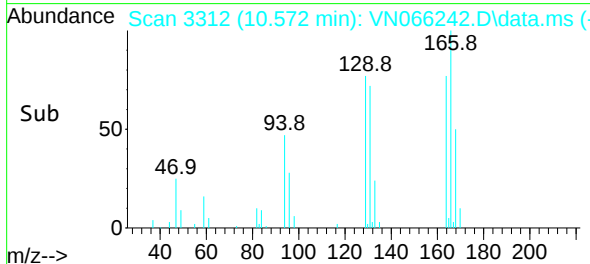
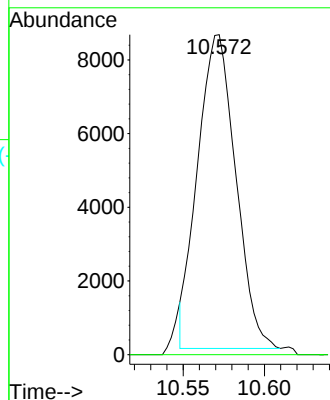
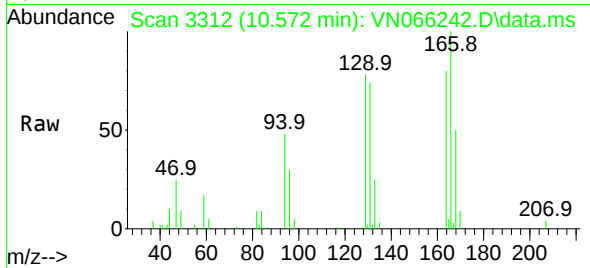




#60
Dibromochloromethane
Concen: 3.77 ug/l
RT: 10.572 min Scan# 3312
Delta R.T. -0.271 min
Lab File: VN066242.D
Acq: 17 Mar 2021 18:17

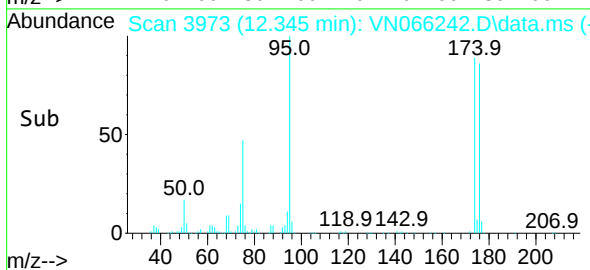
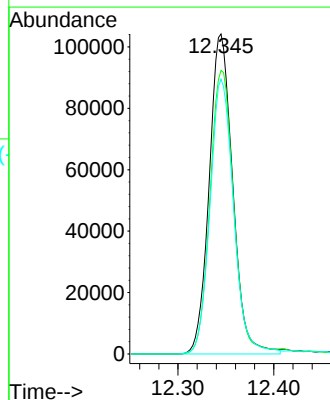
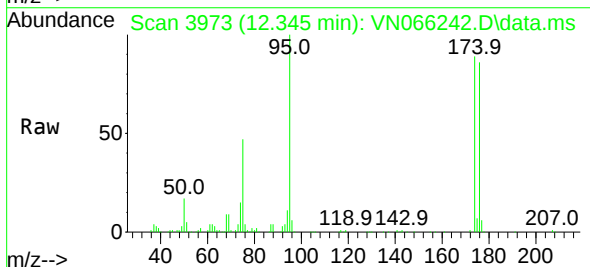
Instrument :
MSVOA_N
ClientSampled :

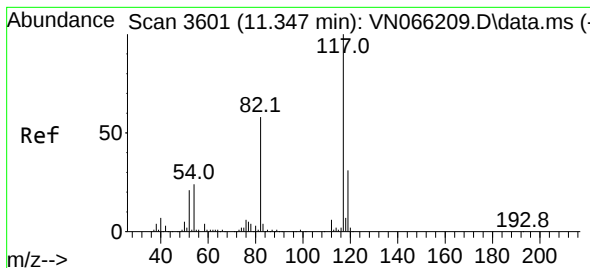
Tgt Ion:129 Resp: 13881
Ion Ratio Lower Upper
129 100
127 0.0 39.2 117.6#



#62
4-Bromofluorobenzene
Concen: 41.10 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.003 min
Lab File: VN066242.D
Acq: 17 Mar 2021 18:17

Tgt Ion: 95 Resp: 177794
Ion Ratio Lower Upper
95 100
174 89.2 0.0 162.4
176 86.1 0.0 156.2

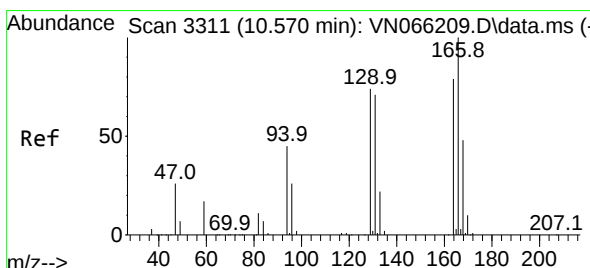
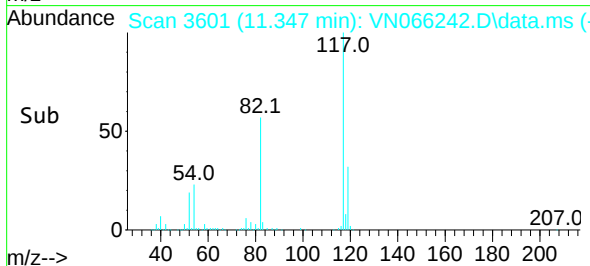
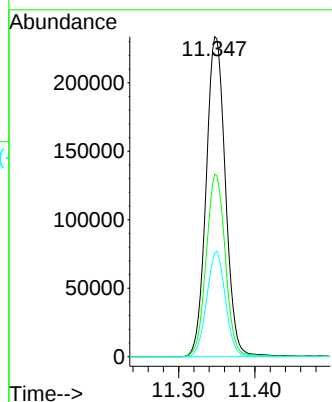
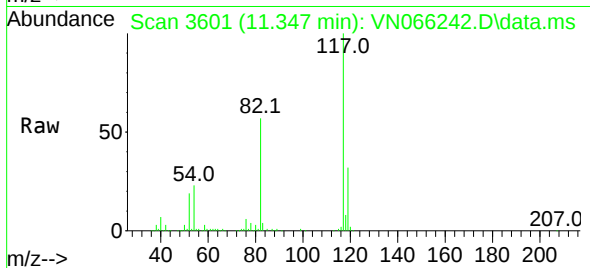




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.347 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN066242.D
Acq: 17 Mar 2021 18:17

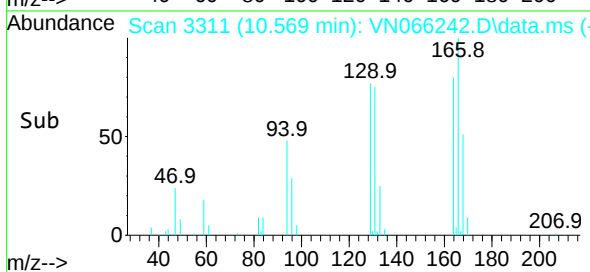
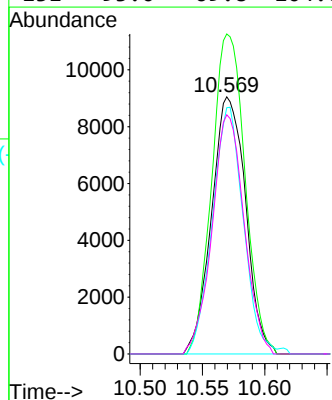
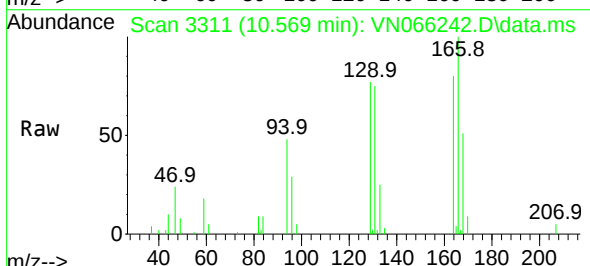
Instrument :
MSVOA_N
ClientSampleId :

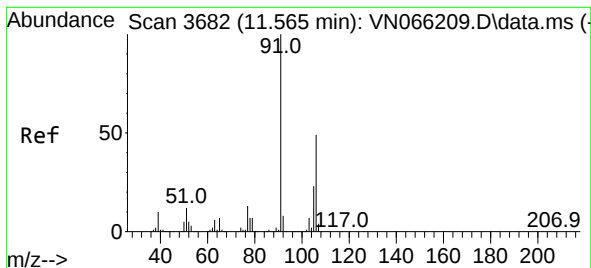
Tgt Ion:	117	Resp:	410223
Ion	Ratio	Lower	Upper
117	100		
82	57.0	49.0	73.6
119	32.4	25.7	38.5



#64
Tetrachloroethene
Concen: 5.03 ug/l
RT: 10.569 min Scan# 3311
Delta R.T. -0.001 min
Lab File: VN066242.D
Acq: 17 Mar 2021 18:17

Tgt Ion:	164	Resp:	17122
Ion	Ratio	Lower	Upper
164	100		
166	124.5	98.9	148.3
129	95.8	73.2	109.8
131	93.0	69.8	104.6

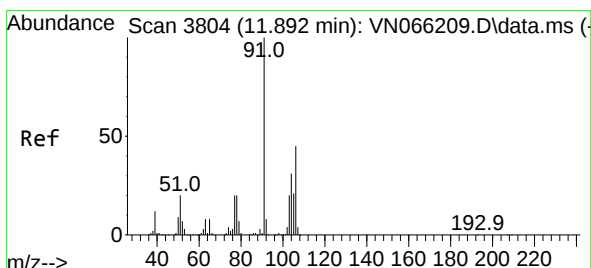
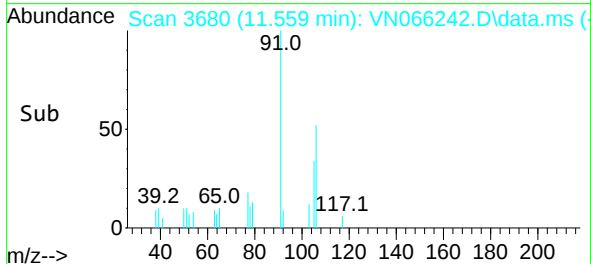
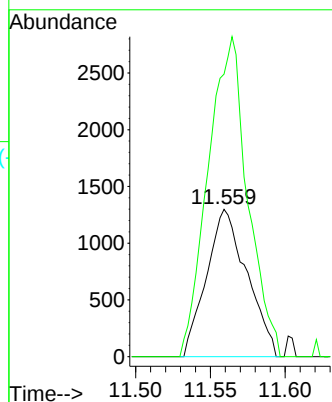
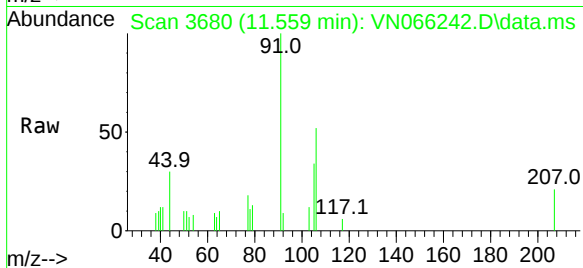




#68
m/p-Xylenes
Concen: 0.45 ug/l
RT: 11.559 min Scan# 3680
Delta R.T. -0.006 min
Lab File: VN066242.D
Acq: 17 Mar 2021 18:17

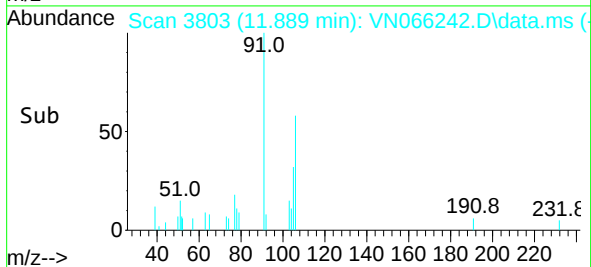
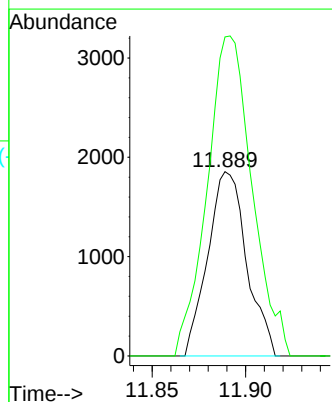
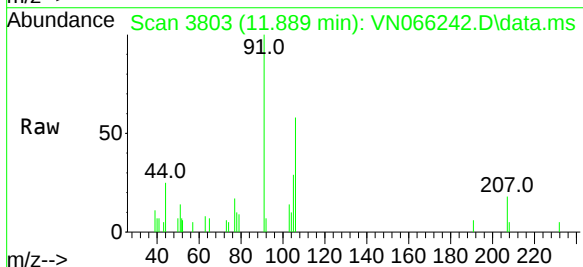
Instrument :
MSVOA_N
ClientSampled :

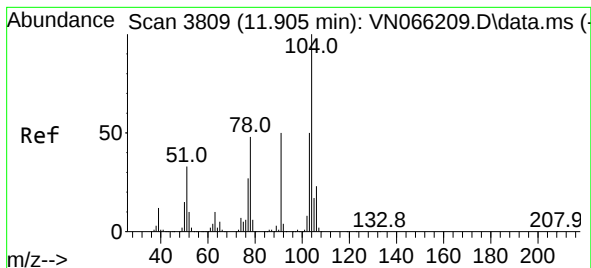
Tgt Ion:106 Resp: 2441
Ion Ratio Lower Upper
106 100
91 212.9 168.2 252.4



#69
o-Xylene
Concen: 0.52 ug/l
RT: 11.889 min Scan# 3803
Delta R.T. -0.003 min
Lab File: VN066242.D
Acq: 17 Mar 2021 18:17

Tgt Ion:106 Resp: 2680
Ion Ratio Lower Upper
106 100
91 200.9 111.8 335.3





#70

Styrene

Concen: 2.20 ug/l

RT: 11.897 min Scan# 3806

Delta R.T. -0.008 min

Lab File: VN066242.D

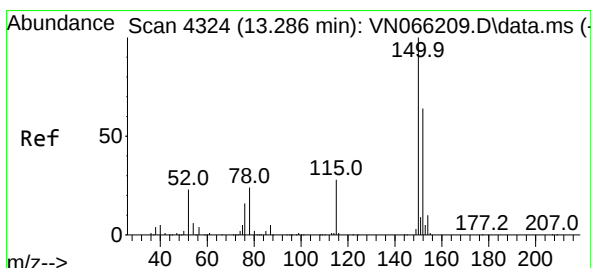
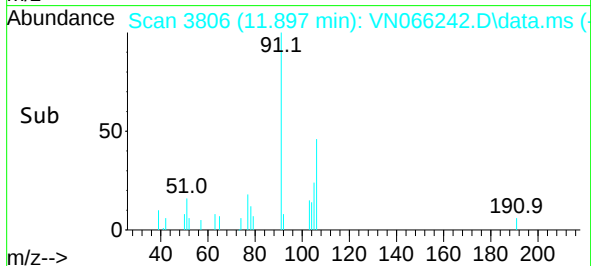
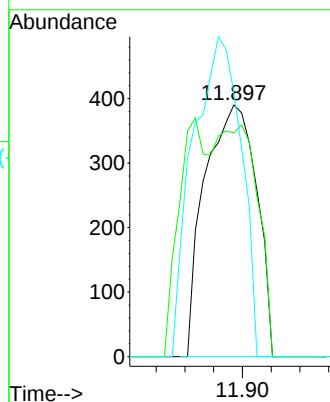
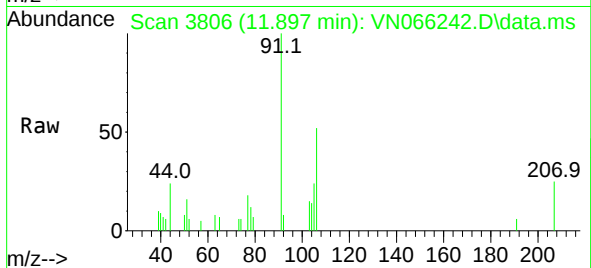
Acq: 17 Mar 2021 18:17

Instrument :

MSVOA_N

ClientSampled :

Tgt Ion:104	Resp:	485
Ion Ratio	Lower	Upper
104	100	
78	57.5	43.8 65.6
103	119.0	43.7 65.5#



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

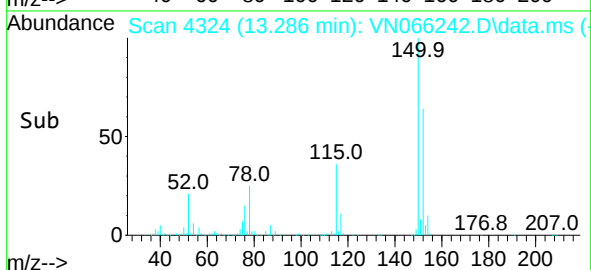
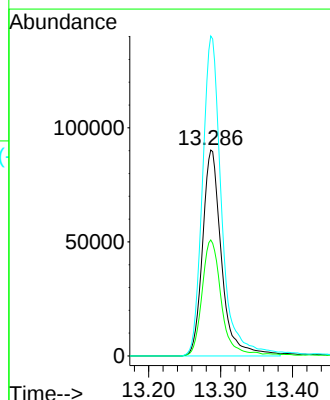
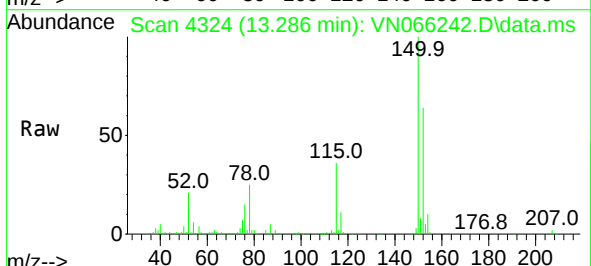
RT: 13.286 min Scan# 4324

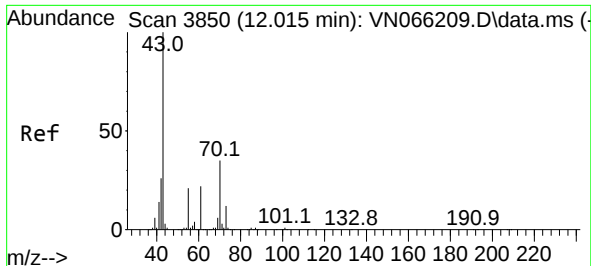
Delta R.T. 0.000 min

Lab File: VN066242.D

Acq: 17 Mar 2021 18:17

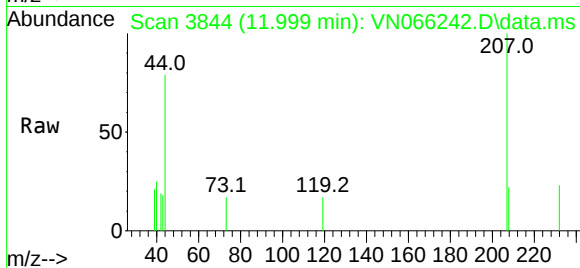
Tgt Ion:152	Resp:	166447
Ion Ratio	Lower	Upper
152	100	
115	56.0	29.4 88.3
150	158.1	0.0 352.2



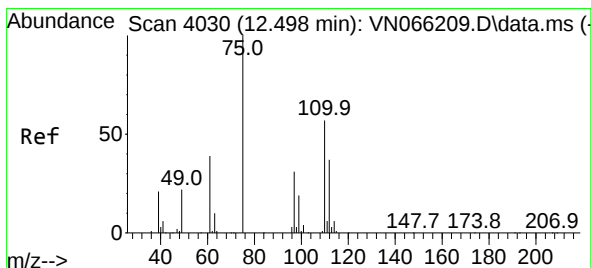
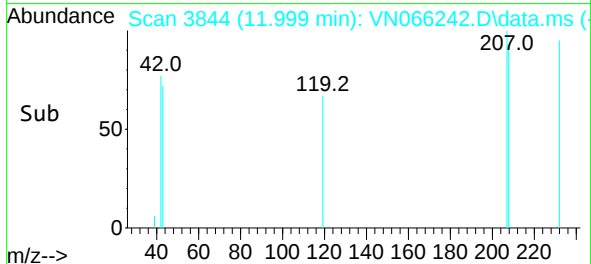
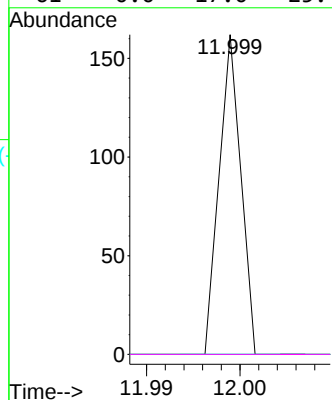


#74
N-amy1 acetate
Concen: 2.16 ug/l
RT: 11.999 min Scan# 3844
Delta R.T. -0.016 min
Lab File: VN066242.D
Acq: 17 Mar 2021 18:17

Instrument :
MSVOA_N
ClientSampled :

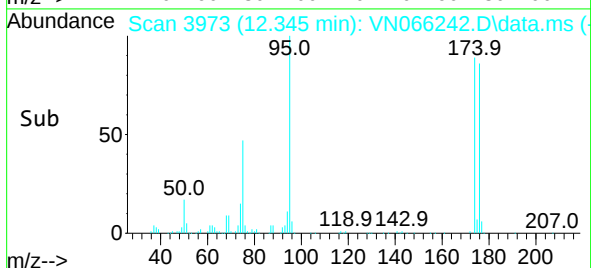
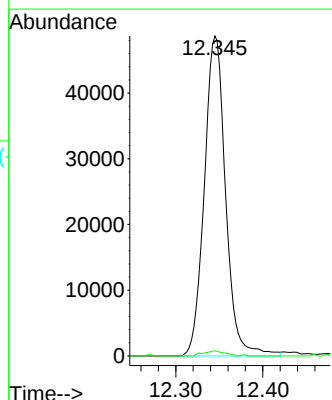
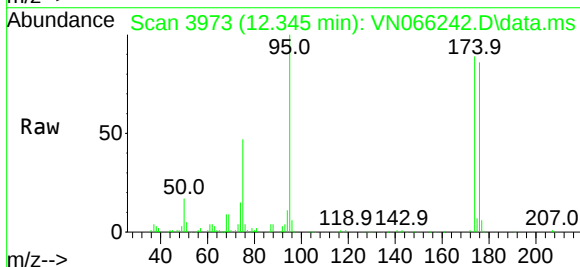


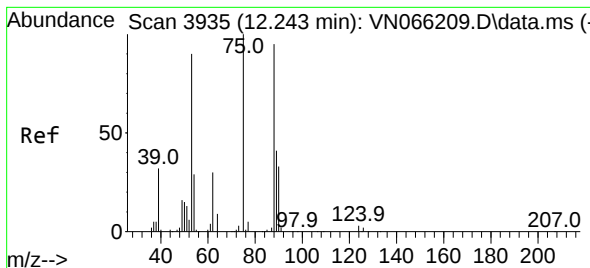
Tgt Ion:	43	Resp:	26
Ion	Ratio	Lower	Upper
43	100		
70	0.0	26.2	39.4#
55	0.0	17.2	25.8#
61	0.0	17.0	25.4#



#76
1,2,3-Trichloropropane
Concen: 19.27 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.153 min
Lab File: VN066242.D
Acq: 17 Mar 2021 18:17

Tgt Ion:	75	Resp:	82820
Ion	Ratio	Lower	Upper
75	100		
77	1.6	0.0	0.0#

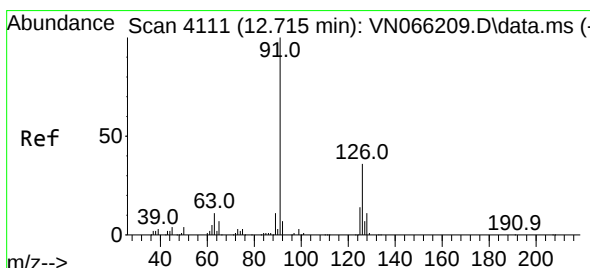
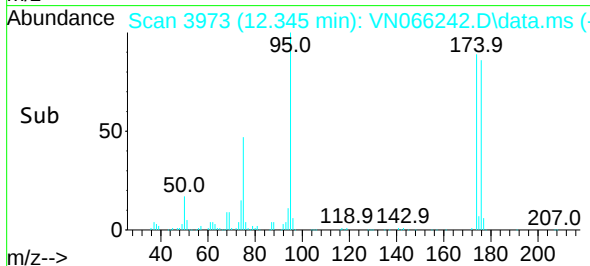
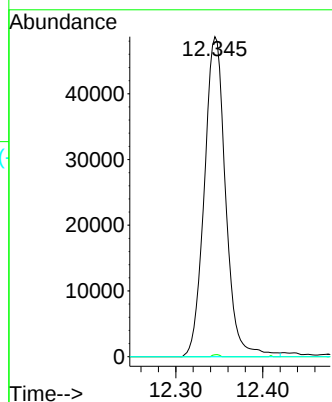
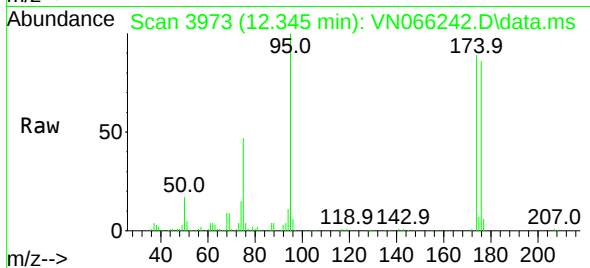




#81
trans-1,4-Dichloro-2-butene
Concen: 57.66 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.102 min
Lab File: VN066242.D
Acq: 17 Mar 2021 18:17

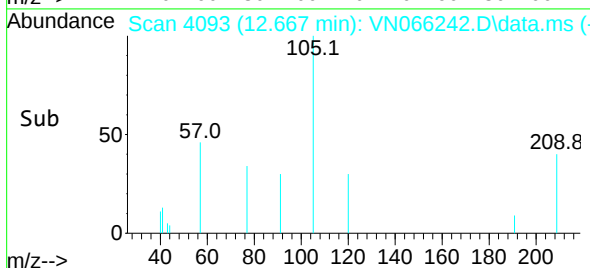
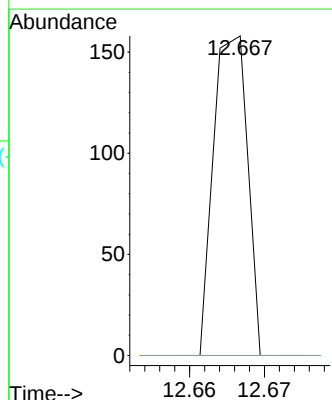
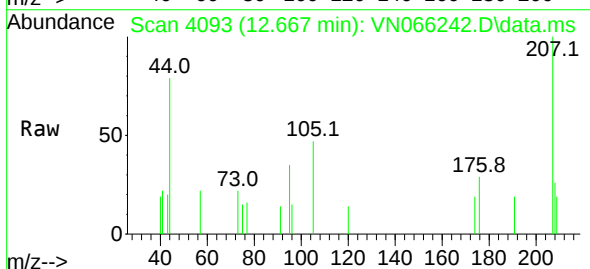
Instrument :
MSVOA_N
ClientSampleId :

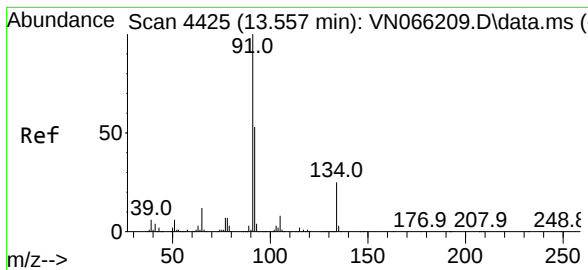
Tgt Ion: 75 Resp: 82820
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.6#
89 0.0 33.7 50.5#



#82
4-Chlorotoluene
Concen: 0.47 ug/l
RT: 12.667 min Scan# 4093
Delta R.T. -0.048 min
Lab File: VN066242.D
Acq: 17 Mar 2021 18:17

Tgt Ion: 91 Resp: 50
Ion Ratio Lower Upper
91 100
126 0.0 15.7 47.1#

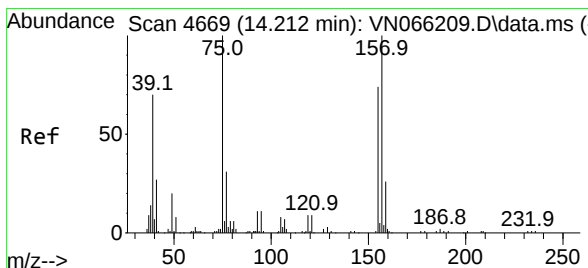
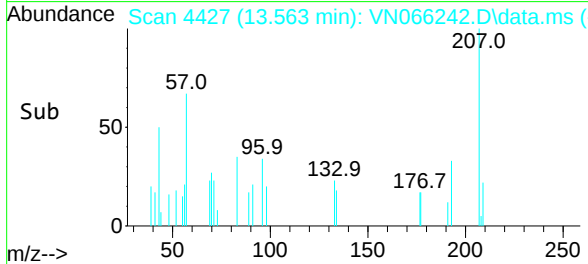
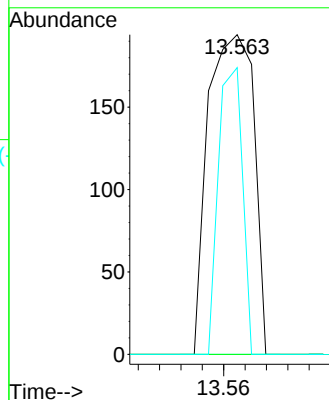
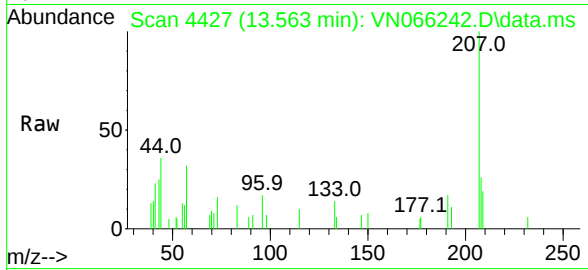




#89
n-Butylbenzene
Concen: 2.25 ug/l
RT: 13.563 min Scan# 4427
Delta R.T. 0.006 min
Lab File: VN066242.D
Acq: 17 Mar 2021 18:17

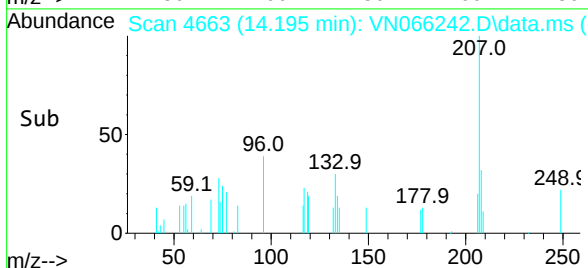
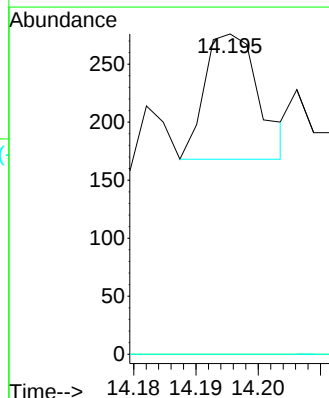
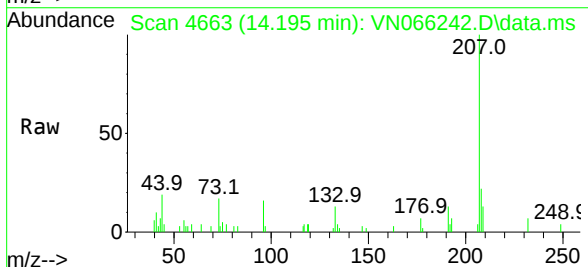
Instrument :
MSVOA_N
ClientSampled :

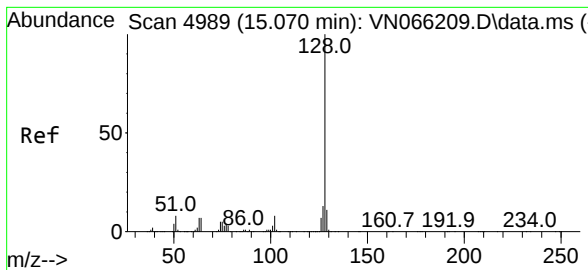
Tgt Ion: 91 Resp: 115
Ion Ratio Lower Upper
91 100
92 0.0 25.7 77.0#
134 47.0 11.8 35.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.90 ug/l
RT: 14.195 min Scan# 4663
Delta R.T. -0.017 min
Lab File: VN066242.D
Acq: 17 Mar 2021 18:17

Tgt Ion: 75 Resp: 65
Ion Ratio Lower Upper
75 100
155 0.0 36.5 109.7#
157 0.0 46.3 138.8#





#95
Naphthalene
Concen: 1.17 ug/l
RT: 15.070 min Scan# 4989
Delta R.T. -0.000 min
Lab File: VN066242.D
Acq: 17 Mar 2021 18:17

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:	128	Resp:	11455
Ion	Ratio	Lower	Upper
128	100		
127	4.7	10.3	15.5#
129	5.3	8.4	12.6#

