

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031821\
 Data File : VN066269.D
 Acq On : 18 Mar 2021 20:24
 Operator : JC/MD
 Sample : M1706-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 19 04:31:15 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)

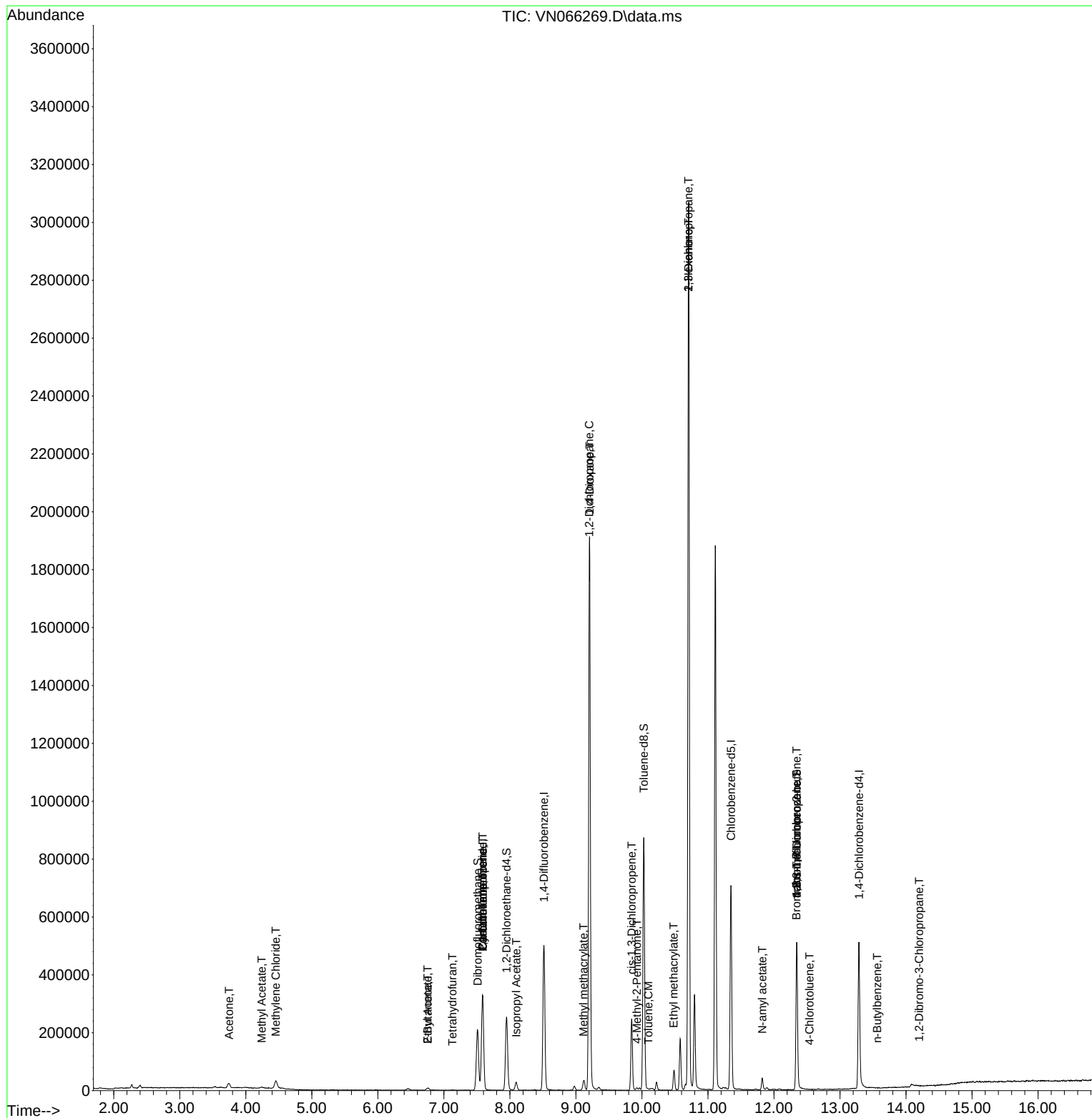
Internal Standards						
1) Pentafluorobenzene	7.590	168	280176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.518	114	431154	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	410140	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	157052	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.949	65	214876	53.23	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.46%			
35) Dibromofluoromethane	7.512	113	159549	58.01	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 116.02%			
50) Toluene-d8	10.028	98	595071	55.95	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 111.90%			
62) 4-Bromofluorobenzene	12.345	95	176949	46.16	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.32%			
Target Compounds					Qvalue	
13) Acrolein	3.537	56	2777	Below Cal		91
16) Acetone	3.747	43	25297	13.05 ug/l		93
18) Methyl Acetate	4.243	43	5953	1.10 ug/l #		91
20) Methylene Chloride	4.455	84	16906	5.57 ug/l #		83
25) 2-Butanone	6.756	43	9778	3.25 ug/l		97
29) Tetrahydrofuran	7.129	42	650	0.31 ug/l #		49
31) Cyclohexane	7.587	56	5223	0.86 ug/l #		1
36) 1,1-Dichloropropene	7.590	75	19410	4.45 ug/l #		47
37) Ethyl Acetate	6.756	43	9778	1.57 ug/l #		74
38) Carbon Tetrachloride	7.587	117	24220	6.19 ug/l #		18
43) Isopropyl Acetate	8.097	43	33222	3.44 ug/l		97
45) 1,2-Dichloropropane	9.202	63	2095	0.55 ug/l #		44
48) Methyl methacrylate	9.116	41	10177	2.22 ug/l #		36
49) 1,4-Dioxane	9.210	88	256	5.16 ug/l #		1
51) 4-Methyl-2-Pentanone	9.926	43	6369	1.09 ug/l		91
52) Toluene	10.097	92	1682	0.22 ug/l		81
54) cis-1,3-Dichloropropene	9.845	75	43606	7.70 ug/l #		53
56) Ethyl methacrylate	10.481	69	391	2.23 ug/l #		1
57) 1,3-Dichloropropane	10.706	76	29887	5.32 ug/l #		43
59) 2-Hexanone	10.706	43	463772	102.50 ug/l #		56
71) Bromoform	12.340	173	652	0.27 ug/l #		1
74) N-amyl acetate	11.825	43	13042	4.20 ug/l #		63
76) 1,2,3-Trichloropropane	12.345	75	83577	20.61 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.345	75	83577	61.67 ug/l #		11
82) 4-Chlorotoluene	12.538	91	207	0.49 ug/l #		43
89) n-Butylbenzene	13.563	91	190	2.26 ug/l #		34
92) 1,2-Dibromo-3-Chloropr...	14.201	75	55	0.90 ug/l #		8

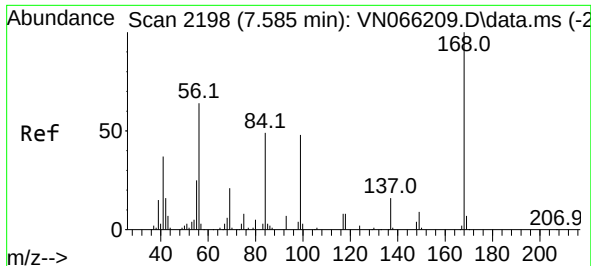
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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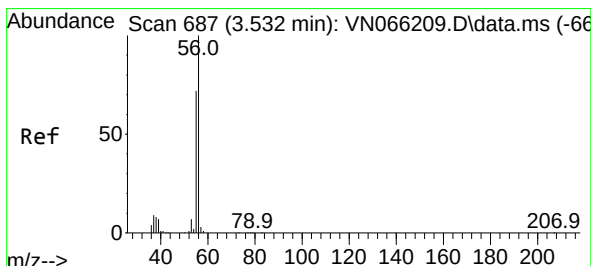
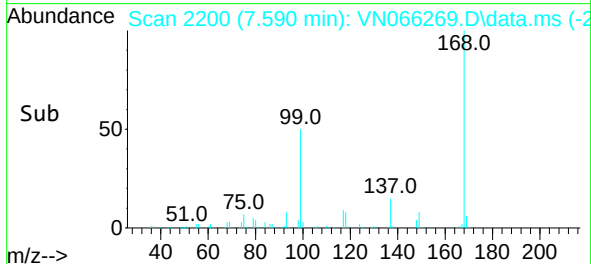
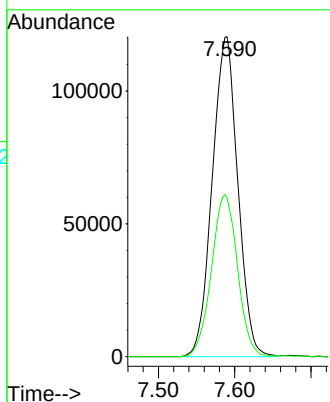
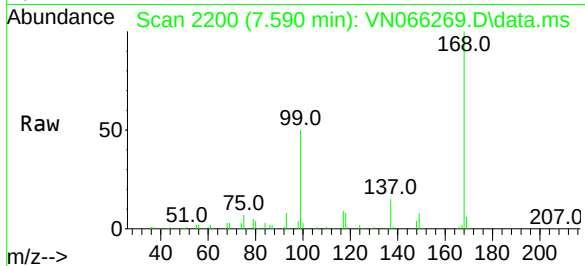




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.590 min Scan# 2200
Delta R.T. 0.005 min
Lab File: VN066269.D
Acq: 18 Mar 2021 20:24

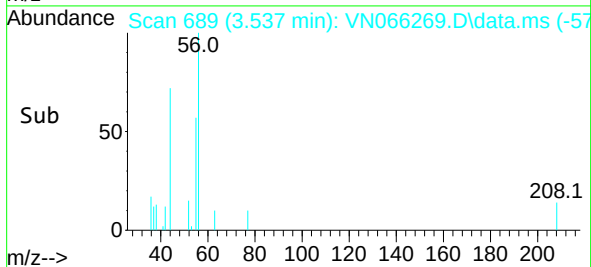
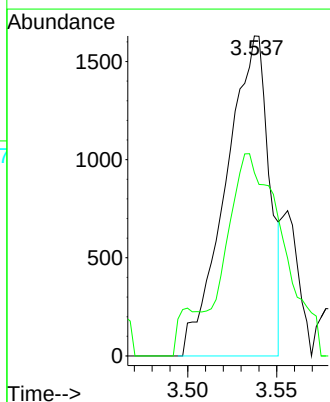
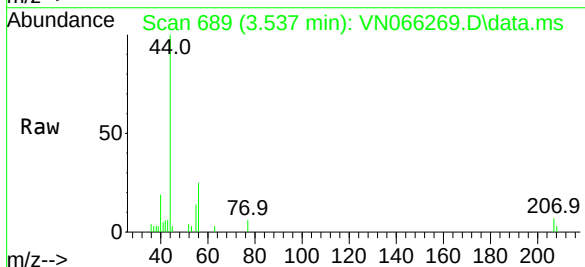
Instrument :
MSVOA_N
ClientSampled :

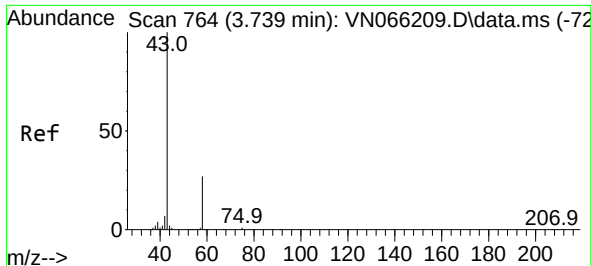
Tgt Ion:168 Resp: 280176
Ion Ratio Lower Upper
168 100
99 49.6 45.4 68.0



#13
Acrolein
Concen: Below Cal
RT: 3.537 min Scan# 689
Delta R.T. 0.005 min
Lab File: VN066269.D
Acq: 18 Mar 2021 20:24

Tgt Ion: 56 Resp: 2777
Ion Ratio Lower Upper
56 100
55 79.9 58.0 87.0

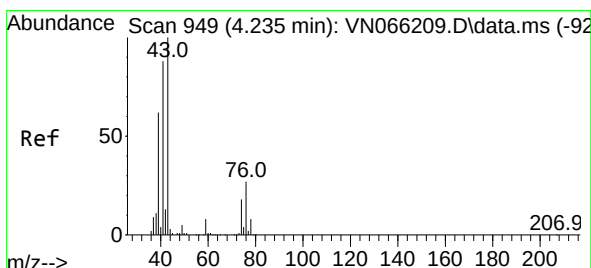
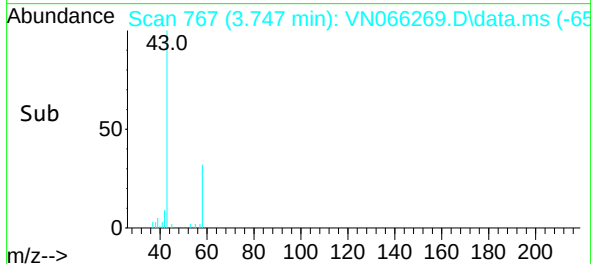
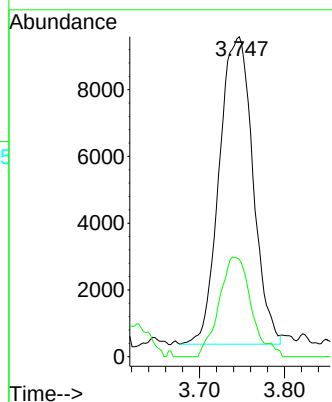
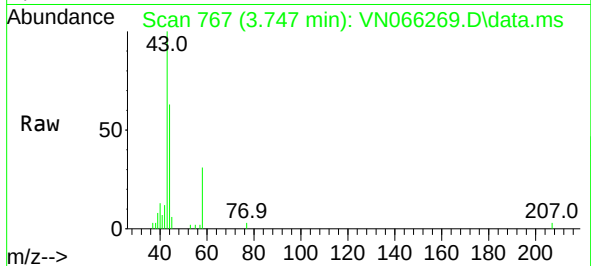




#16
Acetone
Concen: 13.05 ug/l
RT: 3.747 min Scan# 767
Delta R.T. 0.008 min
Lab File: VN066269.D
Acq: 18 Mar 2021 20:24

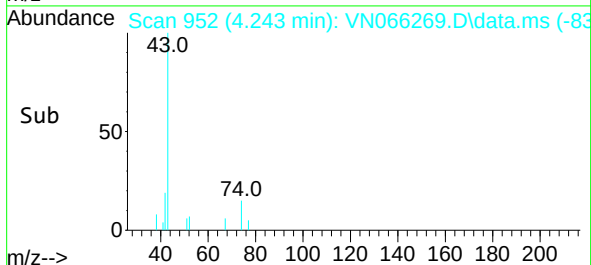
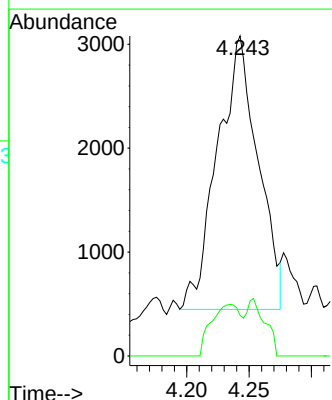
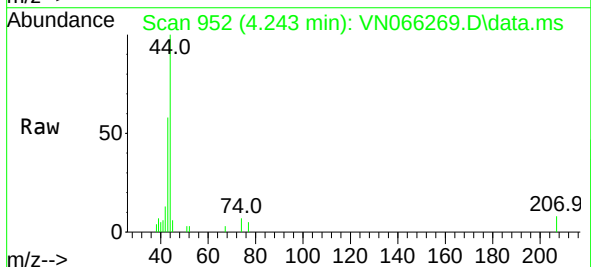
Instrument :
MSVOA_N
ClientSampled :

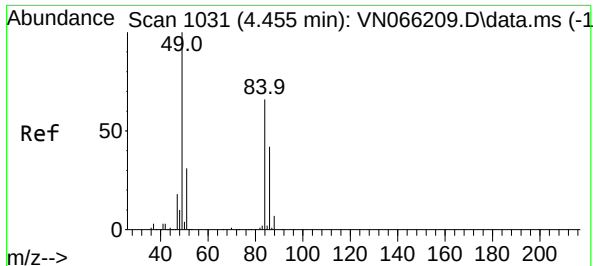
Tgt Ion: 43 Resp: 25297
Ion Ratio Lower Upper
43 100
58 31.8 22.3 33.5



#18
Methyl Acetate
Concen: 1.10 ug/l
RT: 4.243 min Scan# 952
Delta R.T. 0.008 min
Lab File: VN066269.D
Acq: 18 Mar 2021 20:24

Tgt Ion: 43 Resp: 5953
Ion Ratio Lower Upper
43 100
74 13.9 14.2 21.2#





#20

Methylene Chloride

Concen: 5.57 ug/l

RT: 4.455 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VN066269.D

Acq: 18 Mar 2021 20:24

Tgt Ion: 84 Resp: 16906

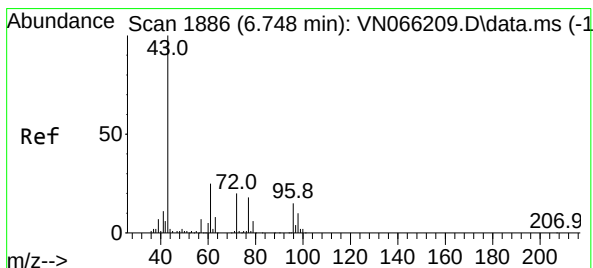
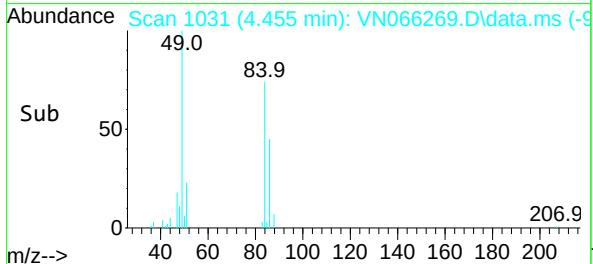
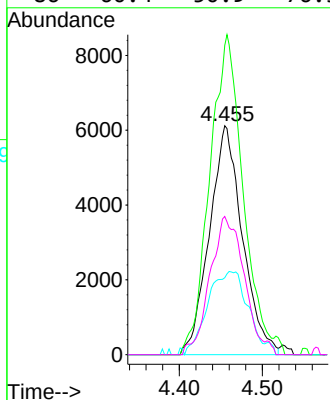
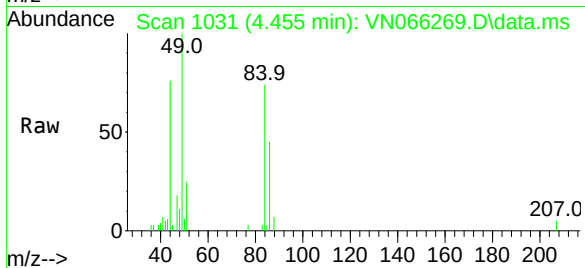
Ion Ratio Lower Upper

84 100

49 135.1 130.0 195.0

51 33.6 39.1 58.7#

86 60.4 50.9 76.3



#25

2-Butanone

Concen: 3.25 ug/l

RT: 6.756 min Scan# 1889

Delta R.T. 0.008 min

Lab File: VN066269.D

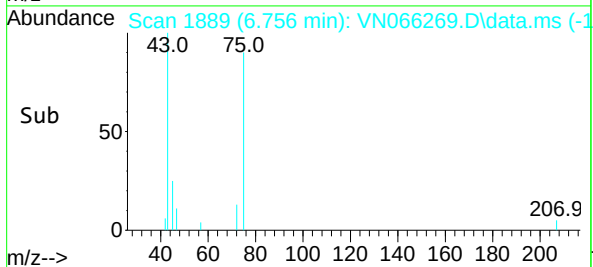
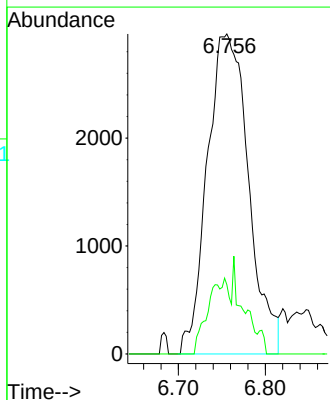
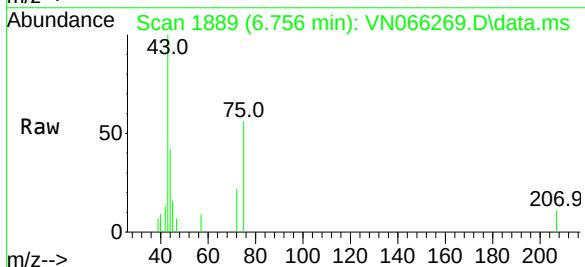
Acq: 18 Mar 2021 20:24

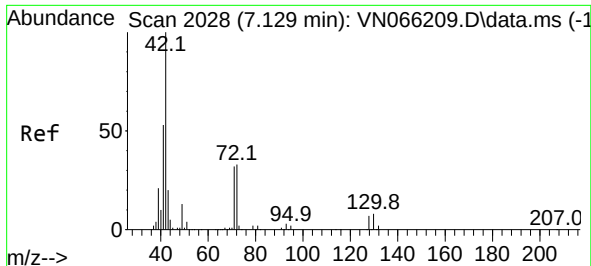
Tgt Ion: 43 Resp: 9778

Ion Ratio Lower Upper

43 100

72 21.7 16.2 24.2





#29

Tetrahydrofuran

Concen: 0.31 ug/l

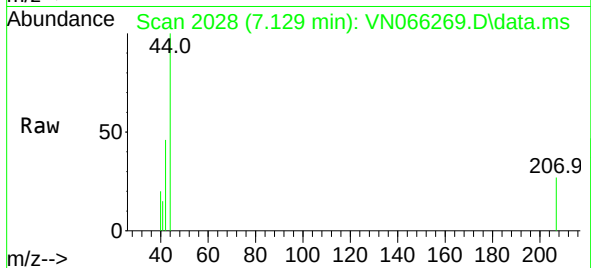
RT: 7.129 min Scan# 2028

Delta R.T. -0.000 min

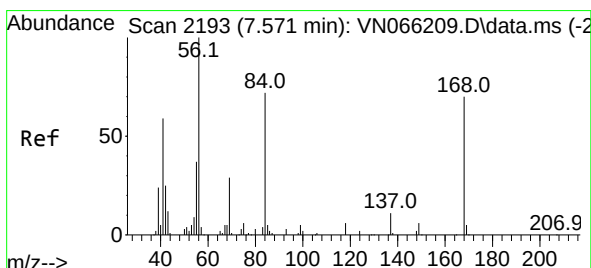
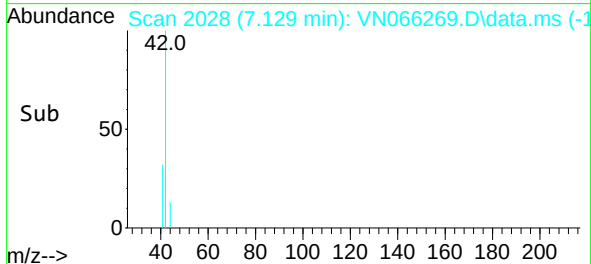
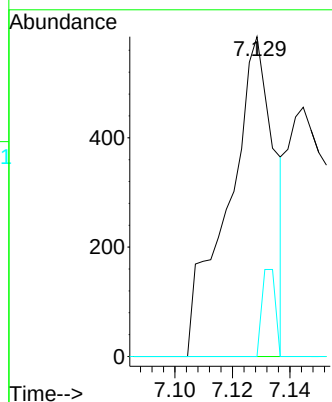
Lab File: VN066269.D

Acq: 18 Mar 2021 20:24

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 42	Resp: 650
Ion Ratio	Lower Upper
42	100
72	0.0 26.2 39.4#
71	7.8 25.4 38.2#



#31

Cyclohexane

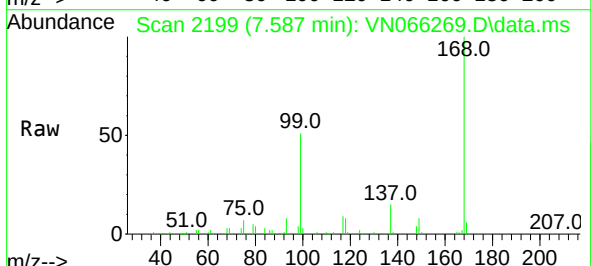
Concen: 0.86 ug/l

RT: 7.587 min Scan# 2199

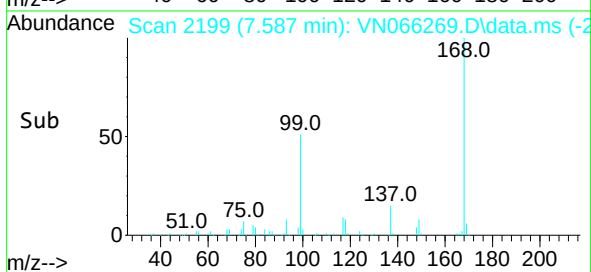
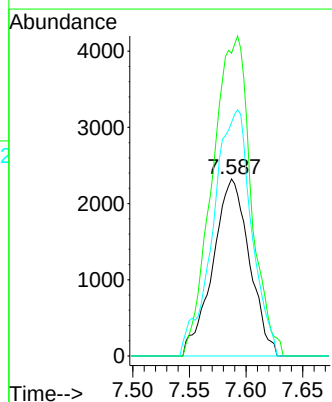
Delta R.T. 0.016 min

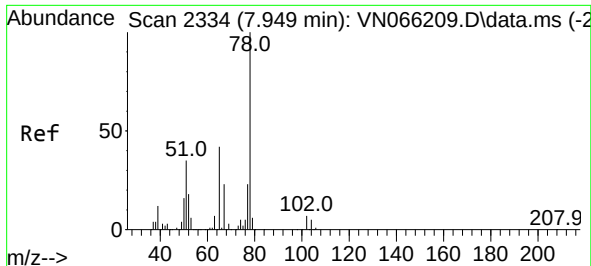
Lab File: VN066269.D

Acq: 18 Mar 2021 20:24



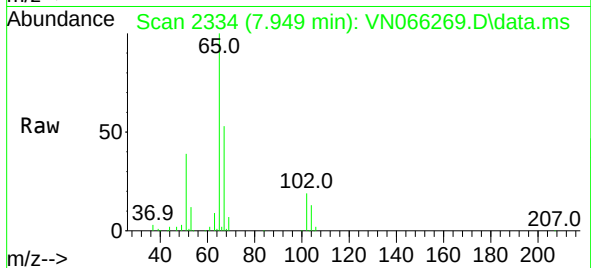
Tgt Ion: 56	Resp: 5223
Ion Ratio	Lower Upper
56	100
69	171.1 23.4 35.0#
84	131.9 57.8 86.6#



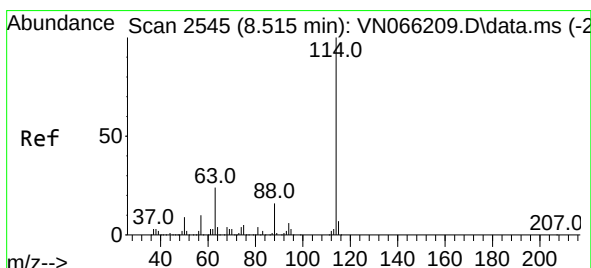
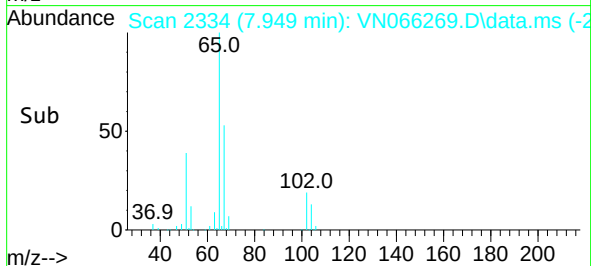
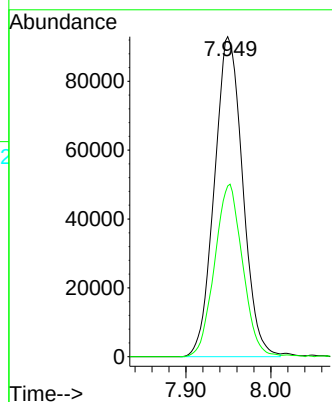


#33
 1,2-Dichloroethane-d4
 Concen: 53.23 ug/l
 RT: 7.949 min Scan# 2334
 Delta R.T. 0.000 min
 Lab File: VN066269.D
 Acq: 18 Mar 2021 20:24

Instrument :
 MSVOA_N
 ClientSampled :

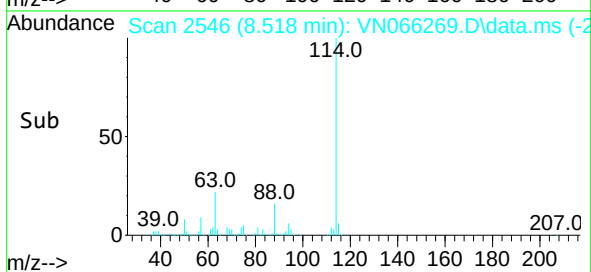
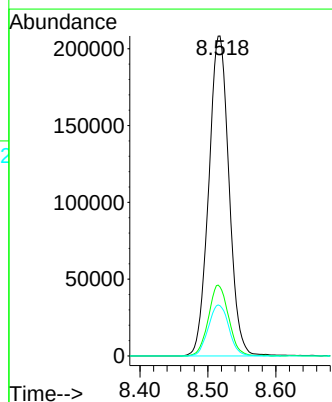
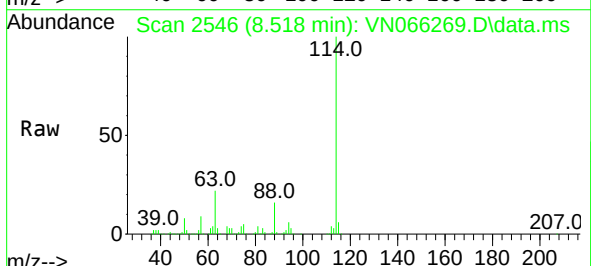


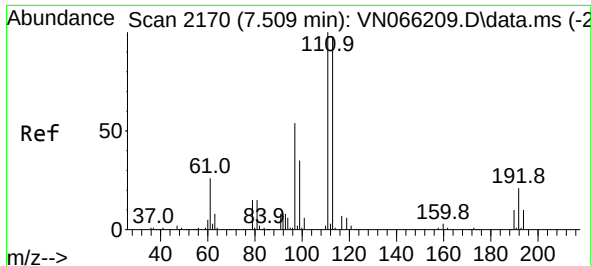
Tgt Ion: 65 Resp: 214876
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.518 min Scan# 2546
 Delta R.T. 0.003 min
 Lab File: VN066269.D
 Acq: 18 Mar 2021 20:24

Tgt Ion: 114 Resp: 431154
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 49.2
 88 15.7 0.0 33.8

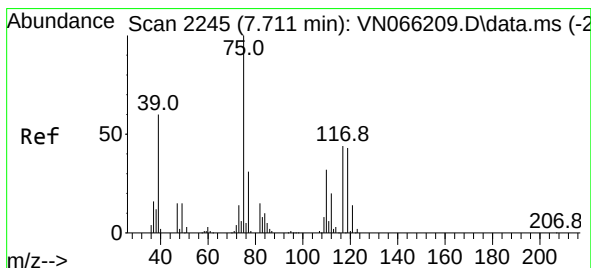
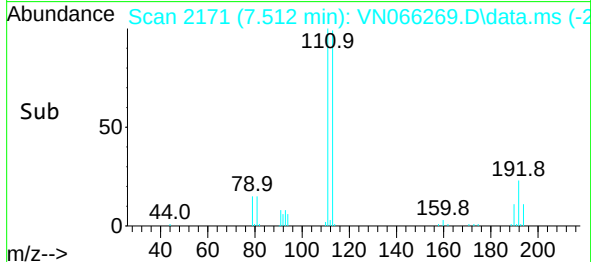
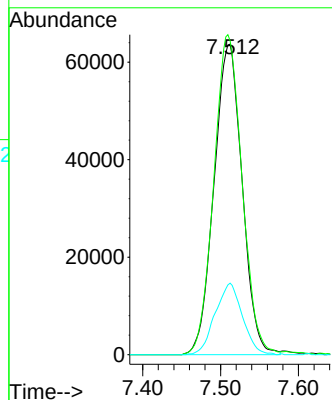
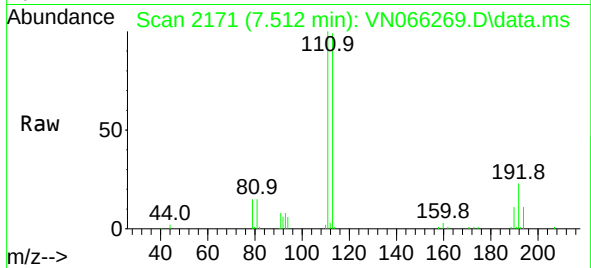




#35
Dibromofluoromethane
Concen: 58.01 ug/l
RT: 7.512 min Scan# 2171
Delta R.T. 0.003 min
Lab File: VN066269.D
Acq: 18 Mar 2021 20:24

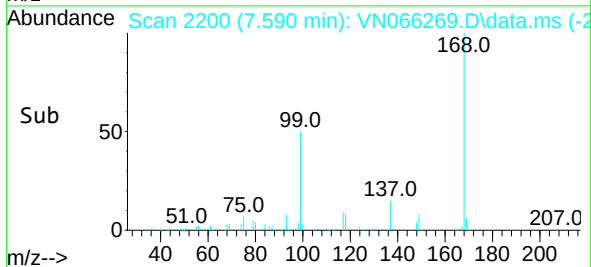
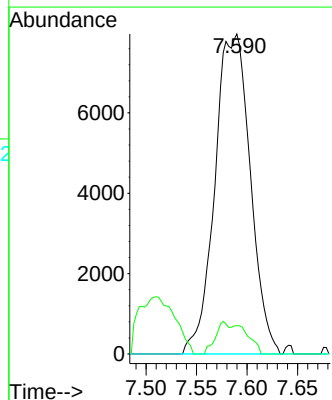
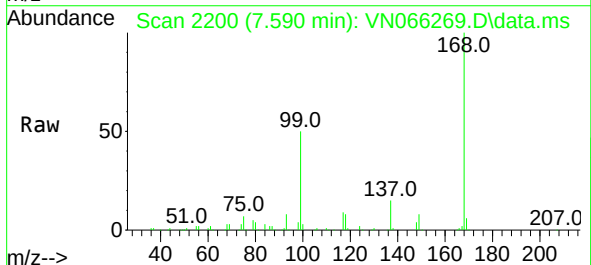
Instrument :
MSVOA_N
ClientSampleId :

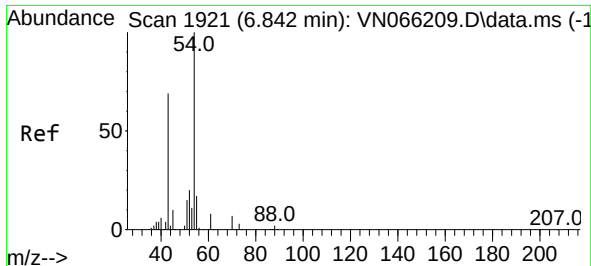
Tgt Ion:113 Resp: 159549
Ion Ratio Lower Upper
113 100
111 103.3 84.0 126.0
192 22.4 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.45 ug/l
RT: 7.590 min Scan# 2200
Delta R.T. -0.121 min
Lab File: VN066269.D
Acq: 18 Mar 2021 20:24

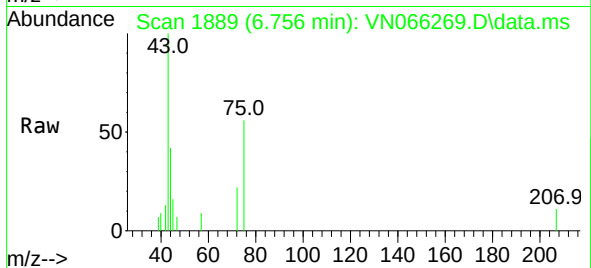
Tgt Ion: 75 Resp: 19410
Ion Ratio Lower Upper
75 100
110 4.3 16.0 48.0#
77 0.0 24.9 37.3#



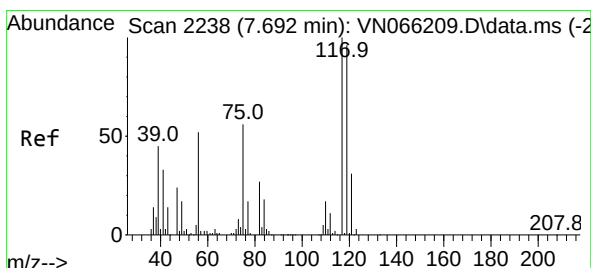
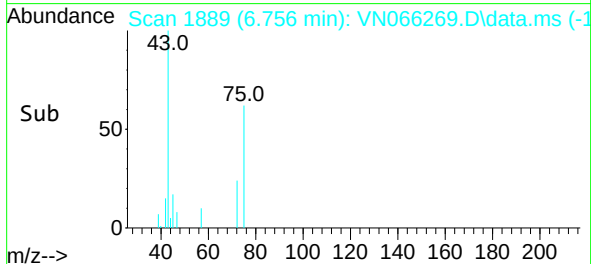
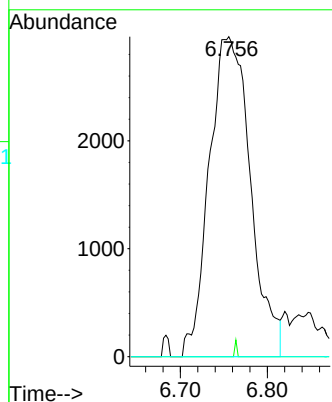


#37
Ethyl Acetate
Concen: 1.57 ug/l
RT: 6.756 min Scan# 1889
Delta R.T. -0.086 min
Lab File: VN066269.D
Acq: 18 Mar 2021 20:24

Instrument :
MSVOA_N
ClientSampleId :

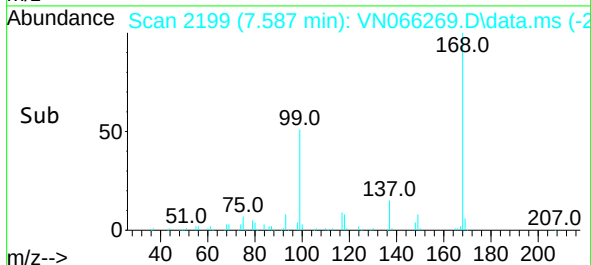
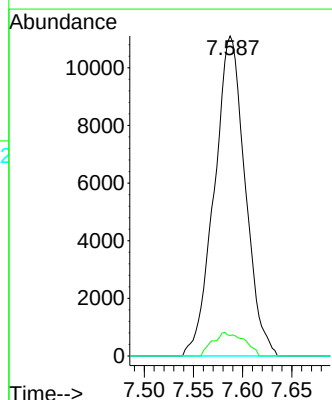
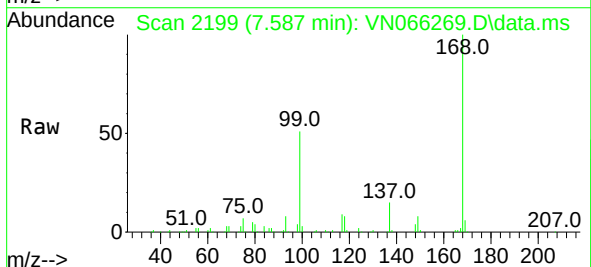


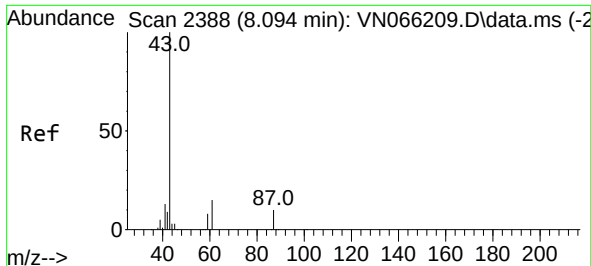
Tgt Ion: 43 Resp: 9778
Ion Ratio Lower Upper
43 100
61 0.3 9.2 13.8#
70 0.0 6.1 9.1#



#38
Carbon Tetrachloride
Concen: 6.19 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. -0.105 min
Lab File: VN066269.D
Acq: 18 Mar 2021 20:24

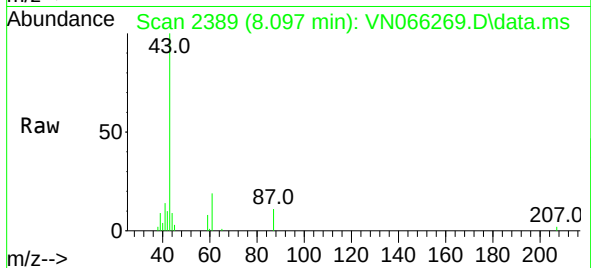
Tgt Ion: 117 Resp: 24220
Ion Ratio Lower Upper
117 100
119 6.4 74.6 111.8#
121 0.0 23.9 35.9#



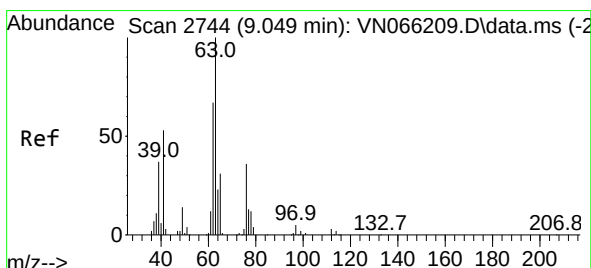
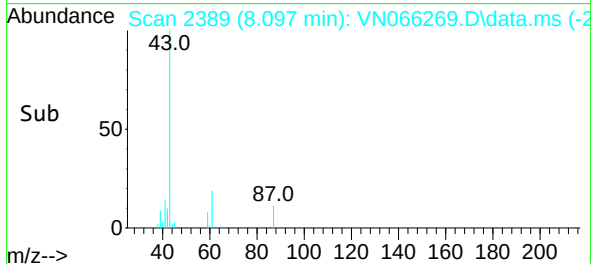
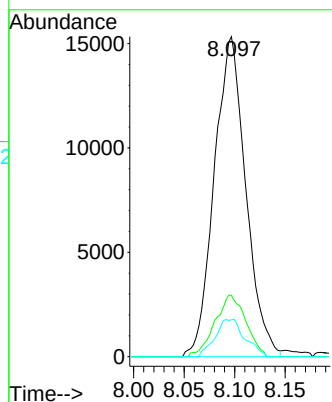


#43
Isopropyl Acetate
Concen: 3.44 ug/l
RT: 8.097 min Scan# 2389
Delta R.T. 0.003 min
Lab File: VN066269.D
Acq: 18 Mar 2021 20:24

Instrument :
MSVOA_N
ClientSampled :

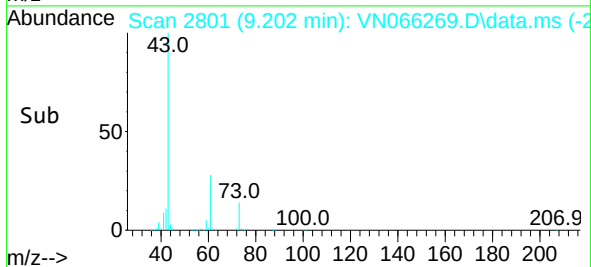
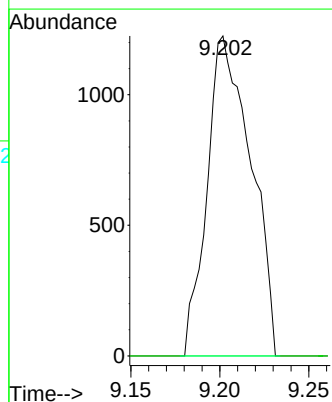
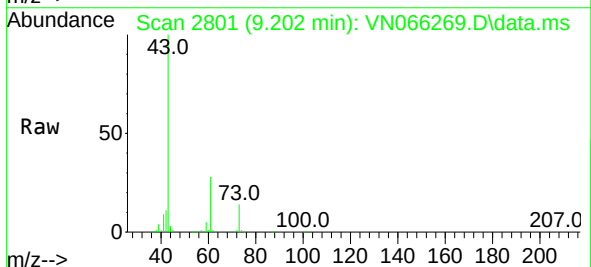


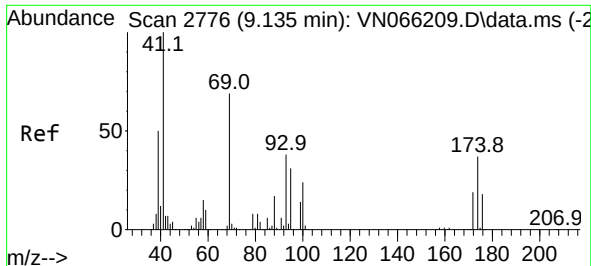
Tgt Ion: 43 Resp: 33222
Ion Ratio Lower Upper
43 100
61 18.9 14.0 21.0
87 11.0 7.9 11.9



#45
1,2-Dichloropropane
Concen: 0.55 ug/l
RT: 9.202 min Scan# 2801
Delta R.T. 0.153 min
Lab File: VN066269.D
Acq: 18 Mar 2021 20:24

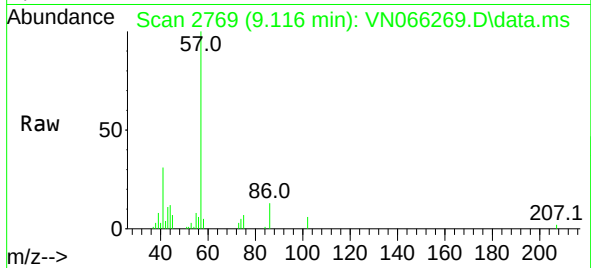
Tgt Ion: 63 Resp: 2095
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#



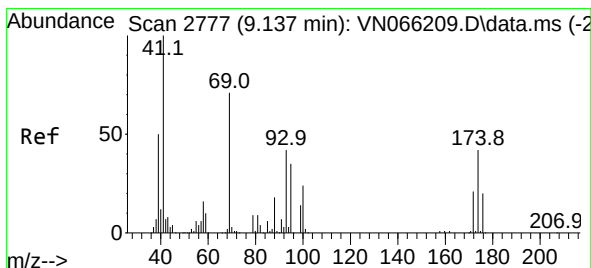
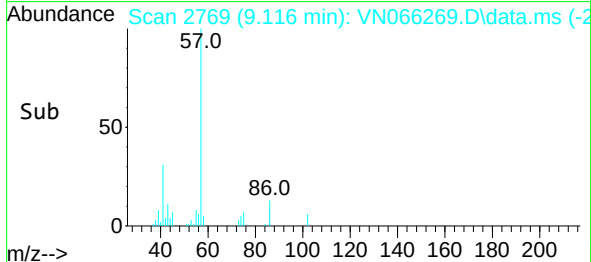
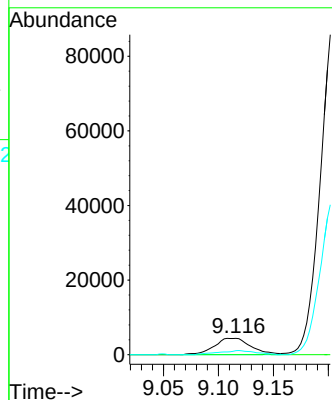


#48
Methyl methacrylate
Concen: 2.22 ug/l
RT: 9.116 min Scan# 2769
Delta R.T. -0.019 min
Lab File: VN066269.D
Acq: 18 Mar 2021 20:24

Instrument :
MSVOA_N
ClientSampled :

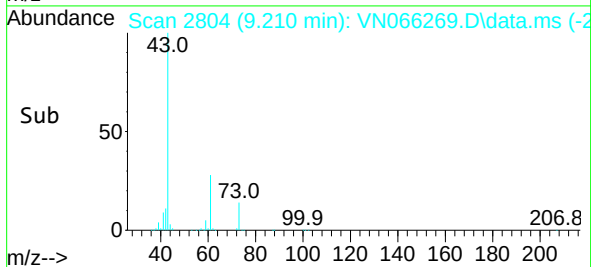
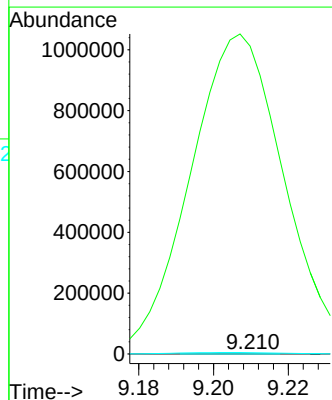
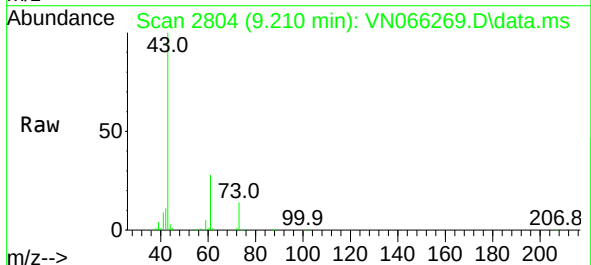


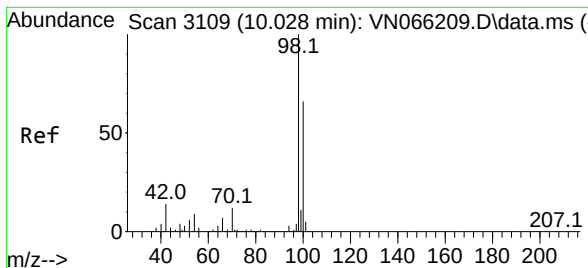
Tgt Ion: 41 Resp: 10177
Ion Ratio Lower Upper
41 100
69 0.0 54.7 82.1#
39 25.2 40.2 60.2#



#49
1,4-Dioxane
Concen: 5.16 ug/l
RT: 9.210 min Scan# 2804
Delta R.T. 0.073 min
Lab File: VN066269.D
Acq: 18 Mar 2021 20:24

Tgt Ion: 88 Resp: 256
Ion Ratio Lower Upper
88 100
43 731760.2 34.4 51.6#
58 3708.2 67.3 100.9#

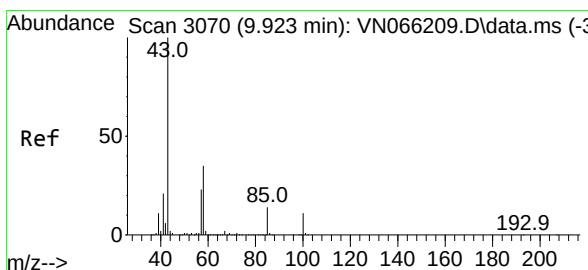
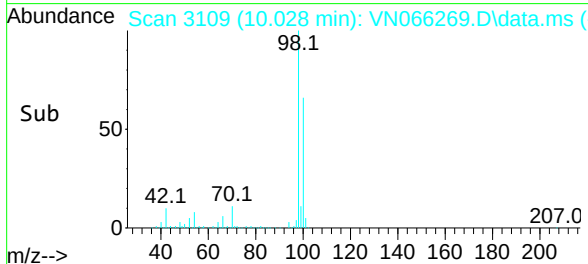
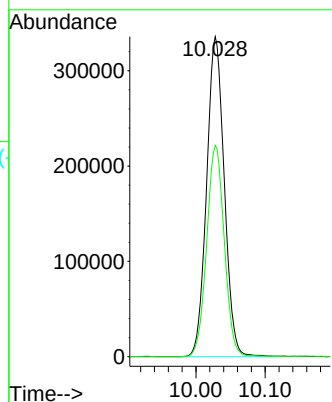
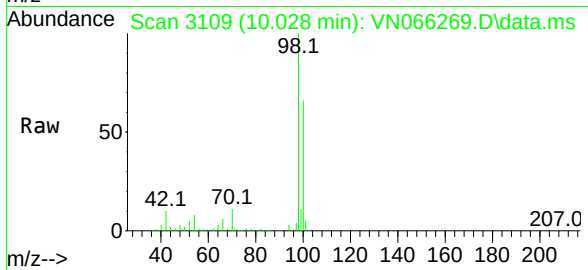




#50
Toluene-d8
Concen: 55.95 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066269.D
Acq: 18 Mar 2021 20:24

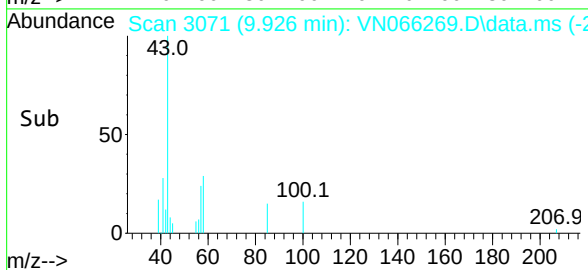
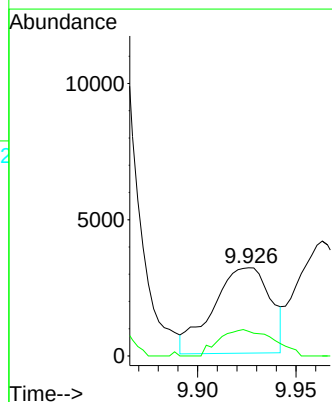
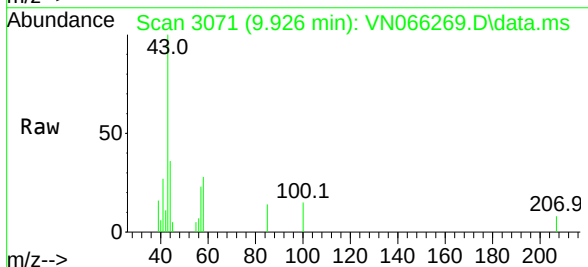
Instrument :
MSVOA_N
ClientSampled :

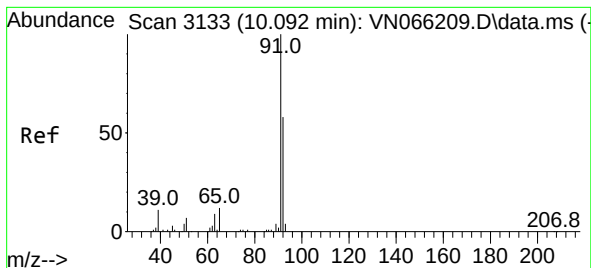
Tgt Ion: 98 Resp: 595071
Ion Ratio Lower Upper
98 100
100 65.6 51.0 76.6



#51
4-Methyl-2-Pentanone
Concen: 1.09 ug/l
RT: 9.926 min Scan# 3071
Delta R.T. 0.003 min
Lab File: VN066269.D
Acq: 18 Mar 2021 20:24

Tgt Ion: 43 Resp: 6369
Ion Ratio Lower Upper
43 100
58 29.1 27.5 41.3





#52

Toluene

Concen: 0.22 ug/l

RT: 10.097 min Scan# 3135

Delta R.T. 0.005 min

Lab File: VN066269.D

Acq: 18 Mar 2021 20:24

Tgt Ion: 92 Resp: 1682

Ion Ratio Lower Upper

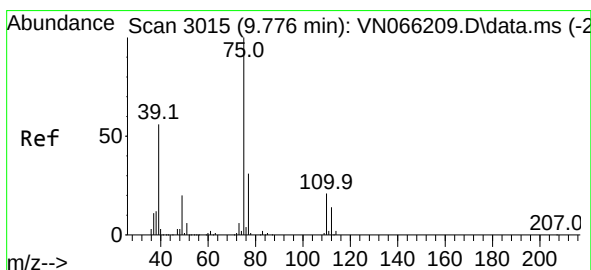
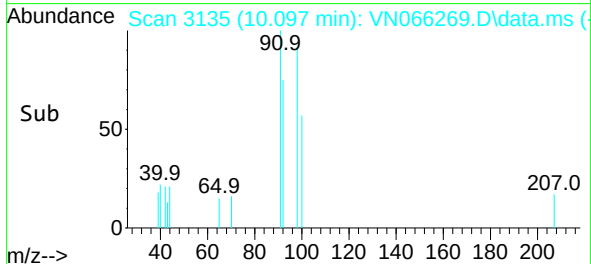
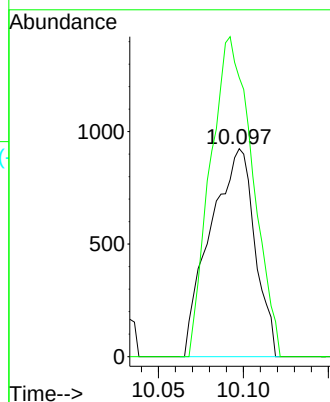
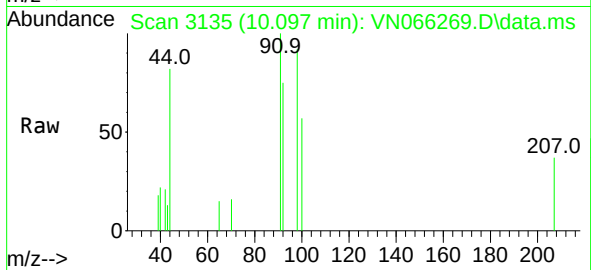
92 100

91 145.7 137.5 206.3

Instrument :

MSVOA_N

ClientSampled :



#54

cis-1,3-Dichloropropene

Concen: 7.70 ug/l

RT: 9.845 min Scan# 3041

Delta R.T. 0.069 min

Lab File: VN066269.D

Acq: 18 Mar 2021 20:24

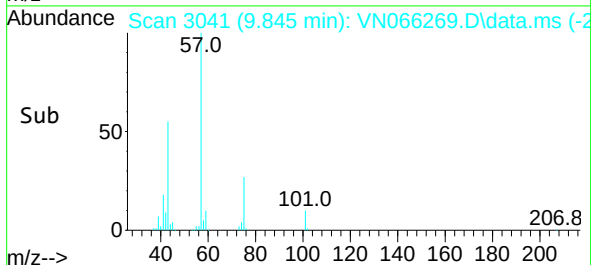
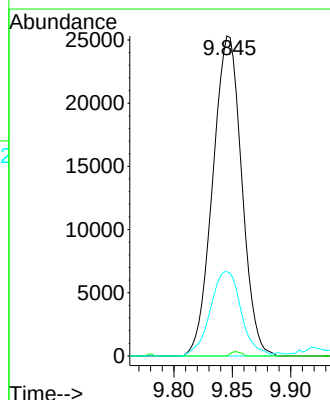
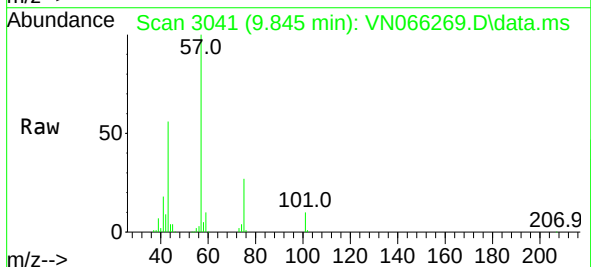
Tgt Ion: 75 Resp: 43606

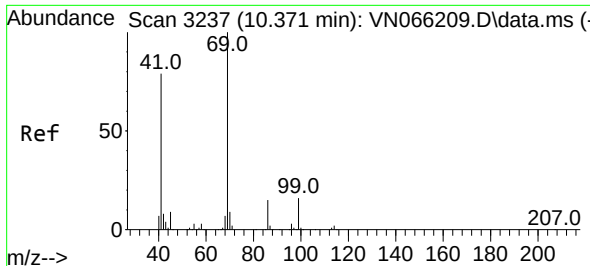
Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.4#

39 26.4 46.2 69.2#

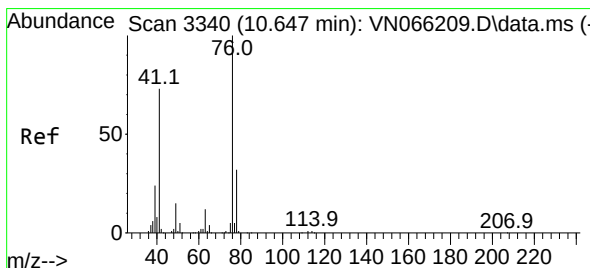
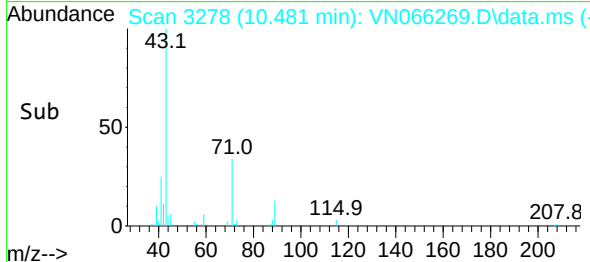
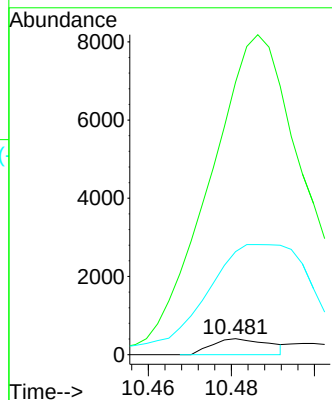
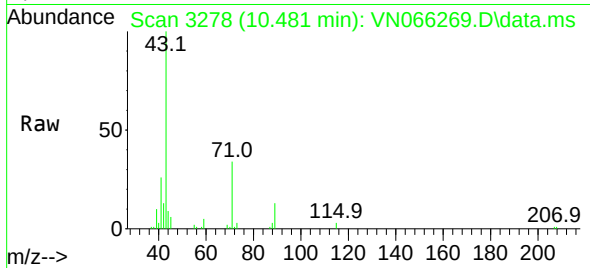




#56
Ethyl methacrylate
Concen: 2.23 ug/l
RT: 10.481 min Scan# 3278
Delta R.T. 0.110 min
Lab File: VN066269.D
Acq: 18 Mar 2021 20:24

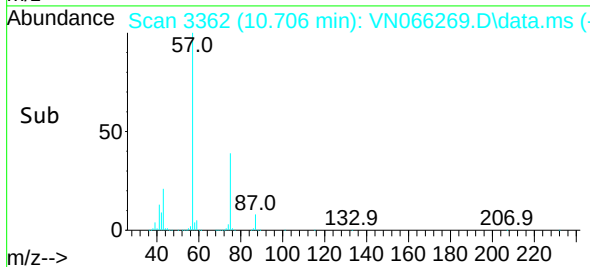
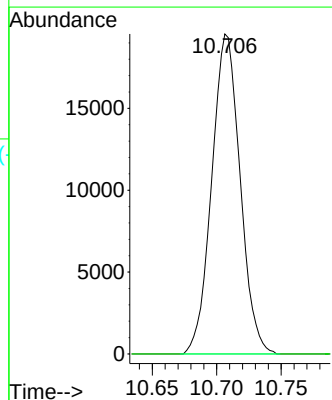
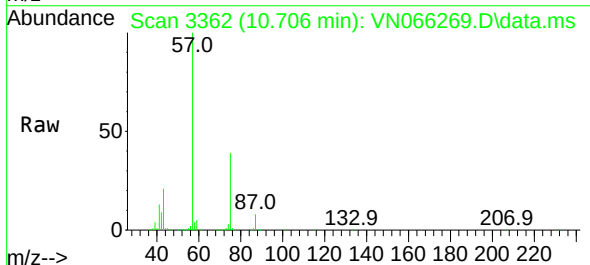
Instrument :
MSVOA_N
ClientSampleId :

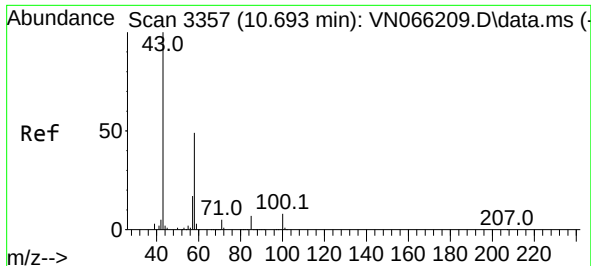
Tgt Ion: 69 Resp: 391
Ion Ratio Lower Upper
69 100
41 3456.8 66.2 99.4#
39 1384.9 31.5 47.3#



#57
1,3-Dichloropropane
Concen: 5.32 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.059 min
Lab File: VN066269.D
Acq: 18 Mar 2021 20:24

Tgt Ion: 76 Resp: 29887
Ion Ratio Lower Upper
76 100
78 0.0 25.4 38.2#

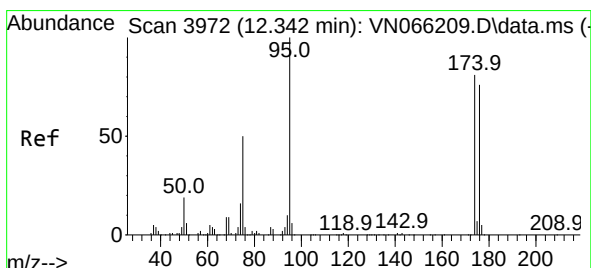
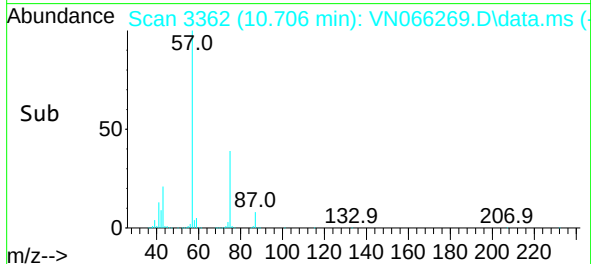
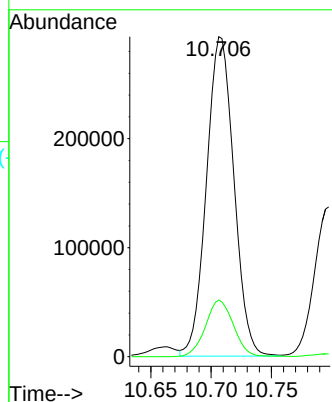
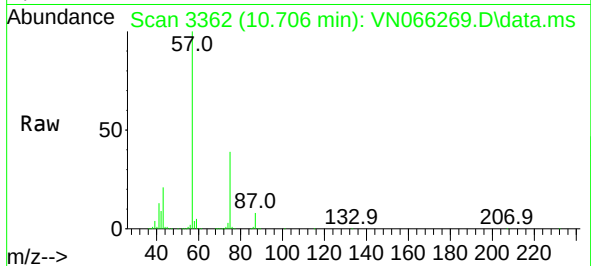




#59
2-Hexanone
Concen: 102.50 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.013 min
Lab File: VN066269.D
Acq: 18 Mar 2021 20:24

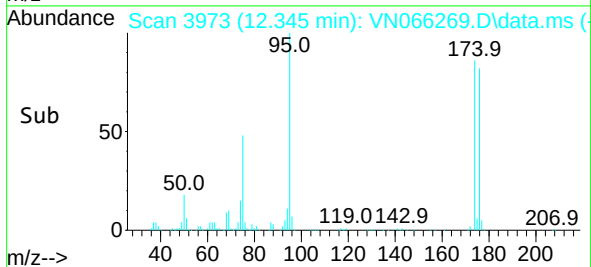
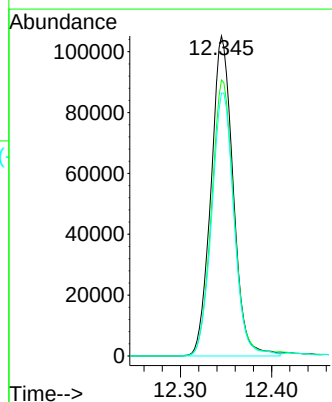
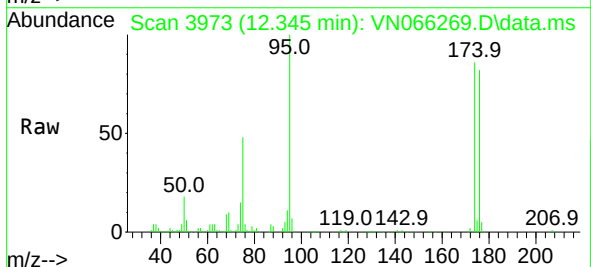
Instrument :
MSVOA_N
ClientSampled :

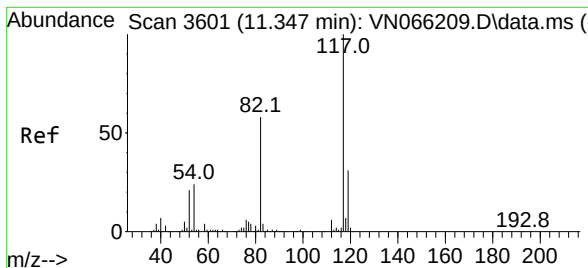
Tgt Ion: 43 Resp: 463772
Ion Ratio Lower Upper
43 100
58 18.2 23.8 71.5#



#62
4-Bromofluorobenzene
Concen: 46.16 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.003 min
Lab File: VN066269.D
Acq: 18 Mar 2021 20:24

Tgt Ion: 95 Resp: 176949
Ion Ratio Lower Upper
95 100
174 87.2 0.0 162.4
176 83.0 0.0 156.2

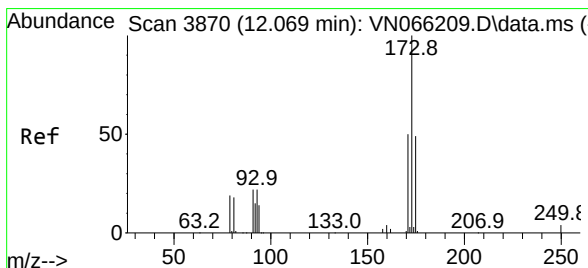
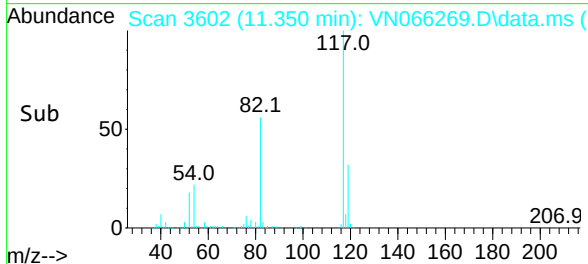
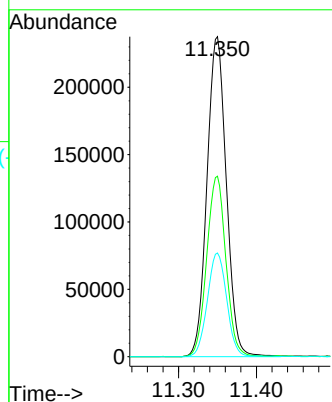
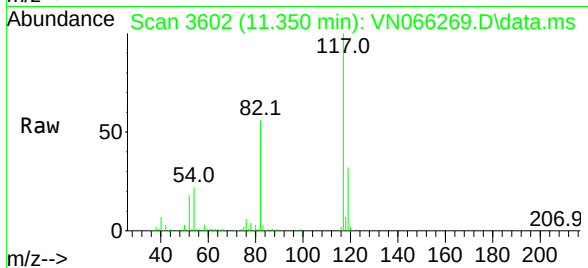




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. 0.003 min
Lab File: VN066269.D
Acq: 18 Mar 2021 20:24

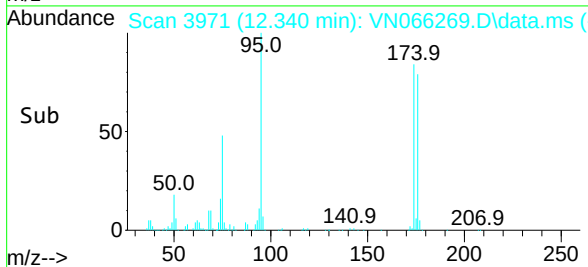
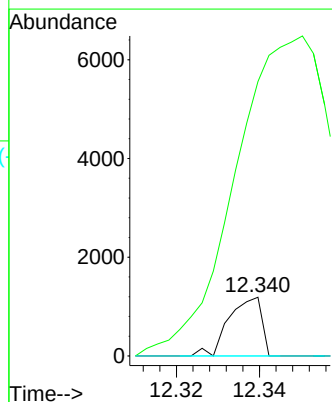
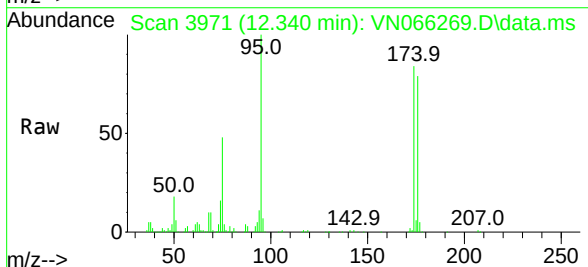
Instrument :
MSVOA_N
ClientSampleId :

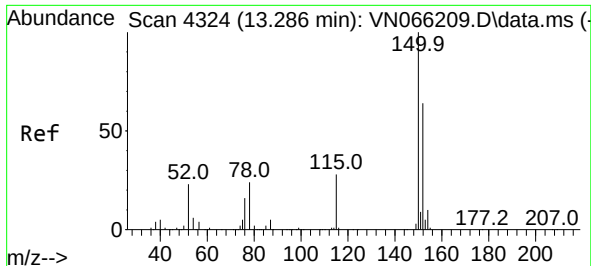
Tgt Ion:117 Resp: 410140
Ion Ratio Lower Upper
117 100
82 56.4 49.0 73.6
119 32.4 25.7 38.5



#71
Bromoform
Concen: 0.27 ug/l
RT: 12.340 min Scan# 3971
Delta R.T. 0.271 min
Lab File: VN066269.D
Acq: 18 Mar 2021 20:24

Tgt Ion:173 Resp: 652
Ion Ratio Lower Upper
173 100
175 1525.6 23.9 71.8#
254 0.0 0.0 0.0

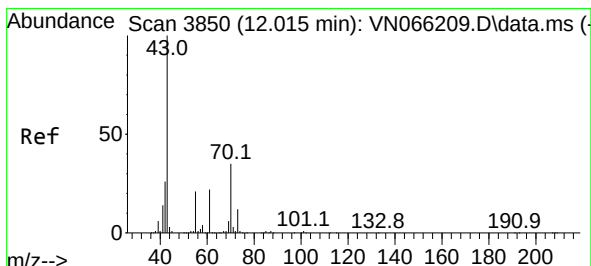
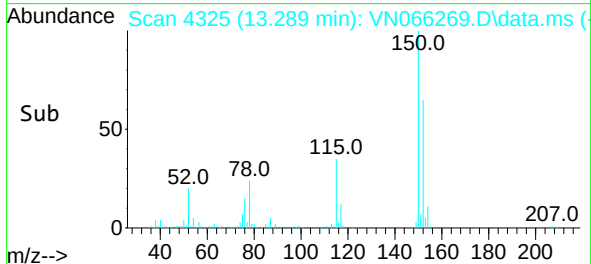
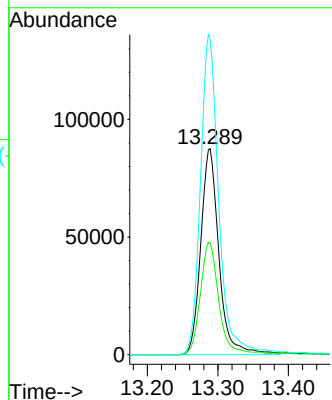
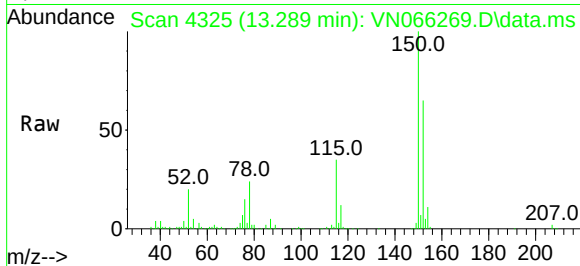




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.289 min Scan# 4325
Delta R.T. 0.003 min
Lab File: VN066269.D
Acq: 18 Mar 2021 20:24

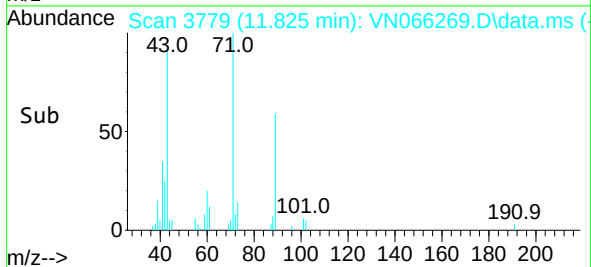
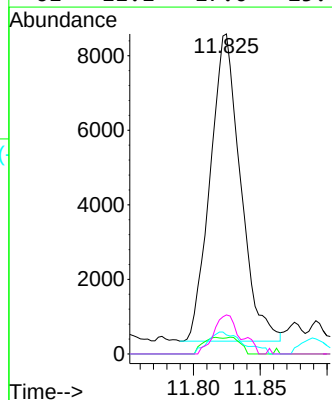
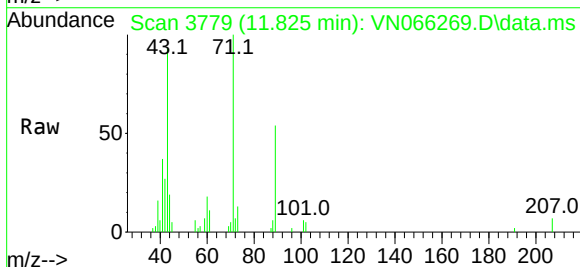
Instrument :
MSVOA_N
ClientSampled :

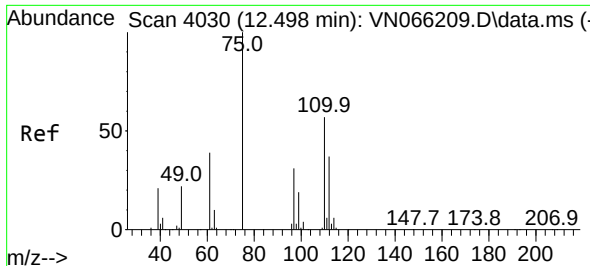
Tgt Ion:152 Resp: 157052
Ion Ratio Lower Upper
152 100
115 54.9 29.4 88.3
150 154.3 0.0 352.2



#74
N-ethyl acetate
Concen: 4.20 ug/l
RT: 11.825 min Scan# 3779
Delta R.T. -0.190 min
Lab File: VN066269.D
Acq: 18 Mar 2021 20:24

Tgt Ion: 43 Resp: 13042
Ion Ratio Lower Upper
43 100
70 3.6 26.2 39.4#
55 8.2 17.2 25.8#
61 11.1 17.0 25.4#

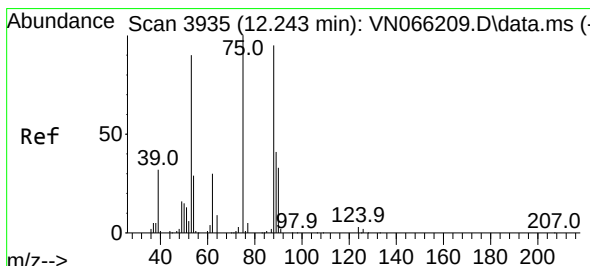
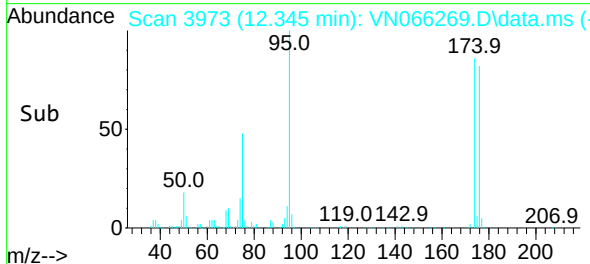
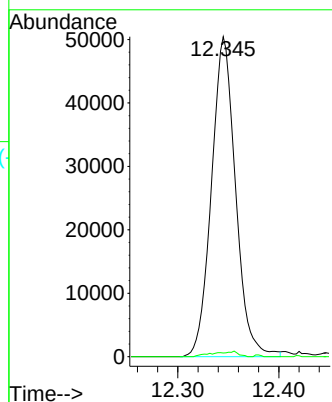
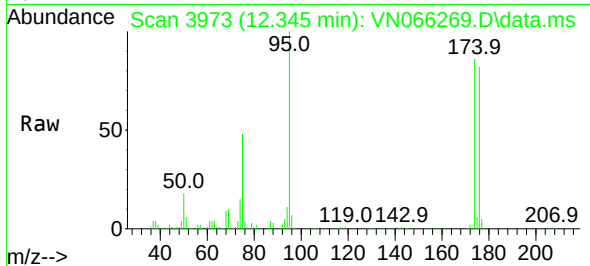




#76
1,2,3-Trichloropropane
Concen: 20.61 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.153 min
Lab File: VN066269.D
Acq: 18 Mar 2021 20:24

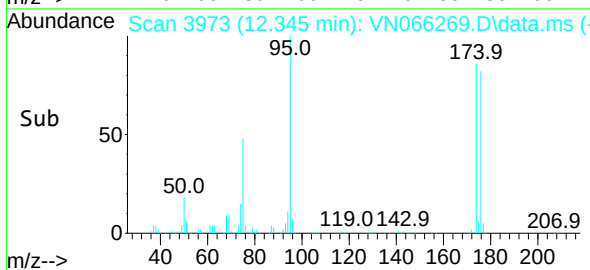
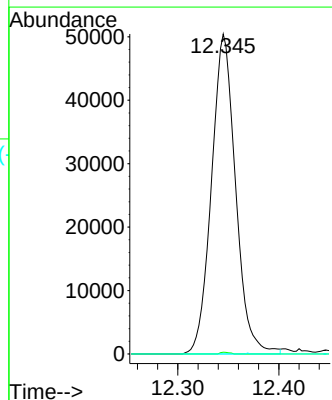
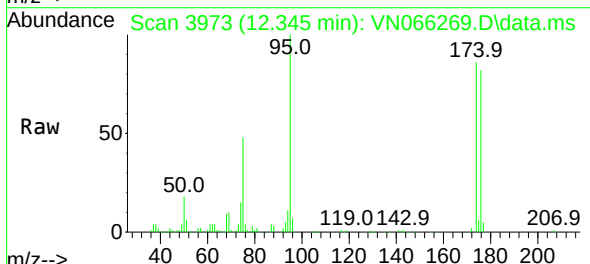
Instrument :
MSVOA_N
ClientSampled :

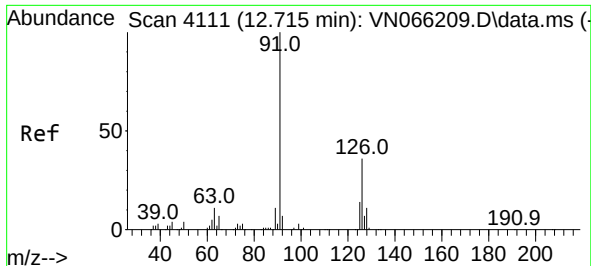
Tgt Ion: 75 Resp: 83577
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.67 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.102 min
Lab File: VN066269.D
Acq: 18 Mar 2021 20:24

Tgt Ion: 75 Resp: 83577
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.6#
89 0.0 33.7 50.5#

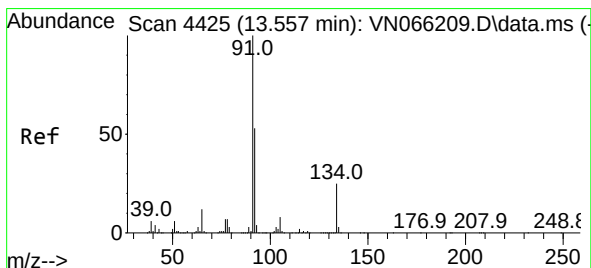
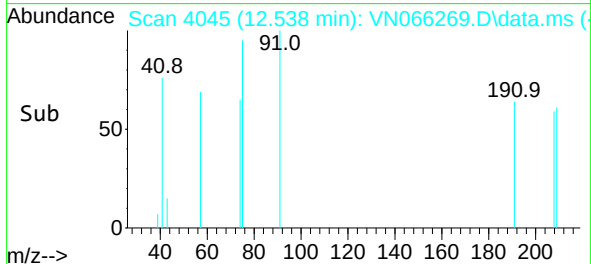
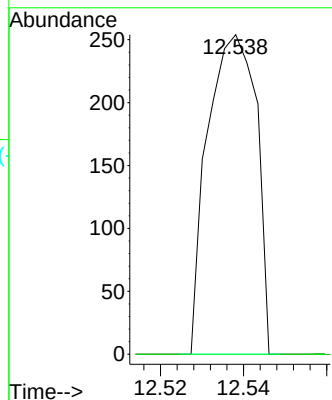
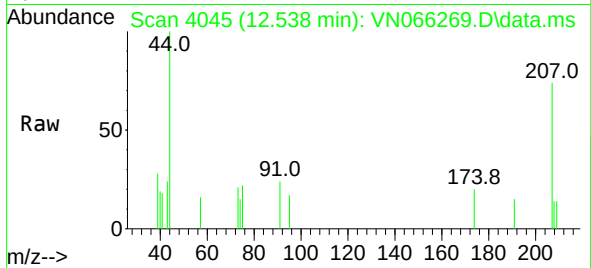




#82
4-Chlorotoluene
Concen: 0.49 ug/l
RT: 12.538 min Scan# 4045
Delta R.T. -0.177 min
Lab File: VN066269.D
Acq: 18 Mar 2021 20:24

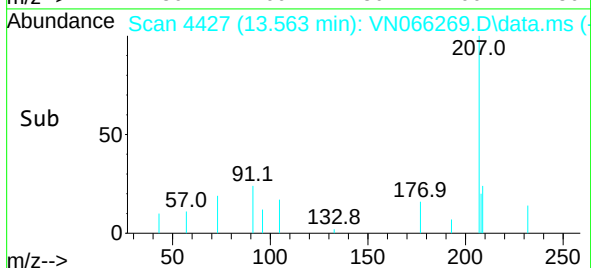
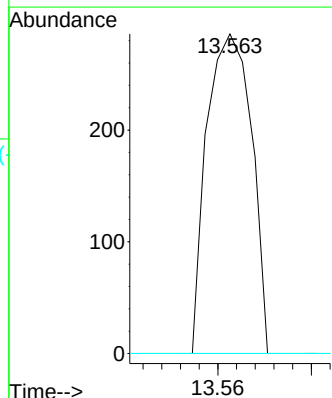
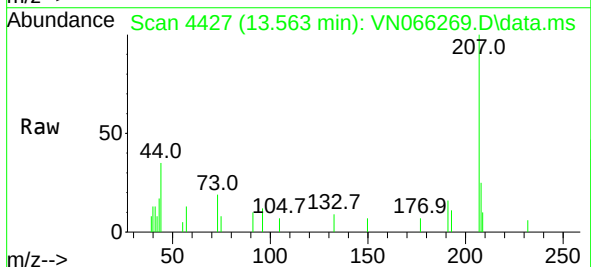
Instrument :
MSVOA_N
ClientSampled :

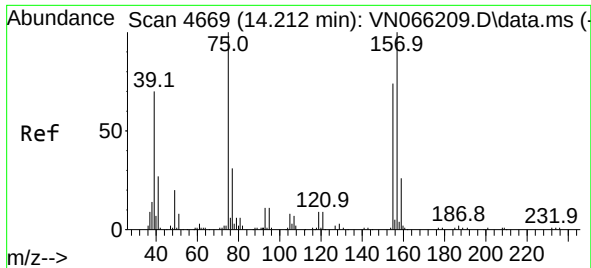
Tgt Ion: 91 Resp: 207
Ion Ratio Lower Upper
91 100
126 0.0 15.7 47.1#



#89
n-Butylbenzene
Concen: 2.26 ug/l
RT: 13.563 min Scan# 4427
Delta R.T. 0.006 min
Lab File: VN066269.D
Acq: 18 Mar 2021 20:24

Tgt Ion: 91 Resp: 190
Ion Ratio Lower Upper
91 100
92 0.0 25.7 77.0#
134 0.0 11.8 35.4#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.90 ug/l
 RT: 14.201 min Scan# 4665
 Delta R.T. -0.011 min
 Lab File: VN066269.D
 Acq: 18 Mar 2021 20:24

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 75 Resp: 55
 Ion Ratio Lower Upper
 75 100
 155 0.0 36.5 109.7#
 157 0.0 46.3 138.8#

