

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122920\
 Data File : VN065308.D
 Acq On : 29 Dec 2020 16:01
 Operator : JC/MD
 Sample : L5224-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DRUM-COMP-2

Quant Time: Dec 30 00:57:24 2020
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122220W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 22 15:42:18 2020
 Response via : Initial Calibration

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

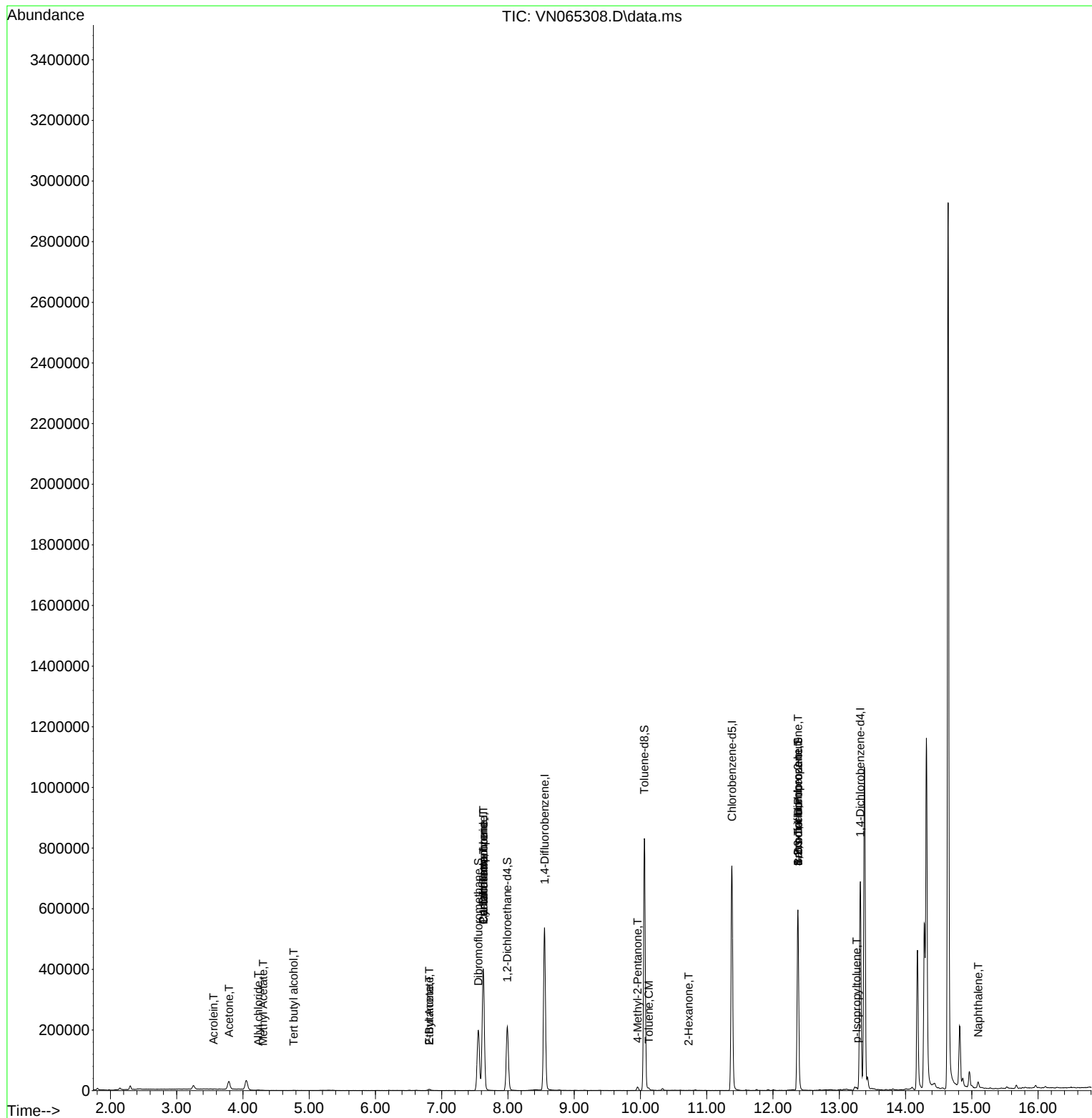
Internal Standards						
1) Pentafluorobenzene	7.627	168	358845	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	510933	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	459368	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	208935	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	184216	45.47	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	90.94%		
35) Dibromofluoromethane	7.553	113	155006	50.29	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.58%		
50) Toluene-d8	10.058	98	605367	52.40	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	104.80%		
62) 4-Bromofluorobenzene	12.376	95	206490	45.68	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.36%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.766	59	526	0.79	ug/l #	73
13) Acrolein	3.557	56	61	2.55	ug/l #	1
14) Allyl chloride	4.232	41	1800	0.31	ug/l #	42
16) Acetone	3.788	43	41734	14.41	ug/l	93
18) Methyl Acetate	4.306	43	798	0.22	ug/l #	50
25) 2-Butanone	6.811	43	5354	2.35	ug/l	98
31) Cyclohexane	7.627	56	5760	0.96	ug/l #	1
36) 1,1-Dichloropropene	7.627	75	22850	4.92	ug/l #	49
37) Ethyl Acetate	6.811	43	5354	1.16	ug/l #	66
38) Carbon Tetrachloride	7.627	117	30210	6.19	ug/l #	16
51) 4-Methyl-2-Pentanone	9.955	43	9127	2.05	ug/l	92
52) Toluene	10.126	92	2269	0.26	ug/l	88
59) 2-Hexanone	10.727	43	1079	0.33	ug/l #	23
71) Bromoform	12.376	173	1470	0.47	ug/l #	1
76) 1,2,3-Trichloropropane	12.376	75	101152	23.73	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.376	75	101152	59.84	ug/l #	15
86) p-Isopropyltoluene	13.264	119	5905	0.42	ug/l #	86
95) Naphthalene	15.096	128	16162	4.76	ug/l	100

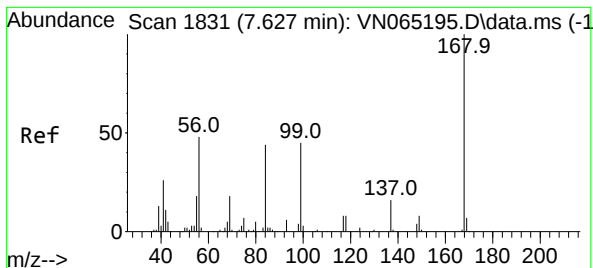
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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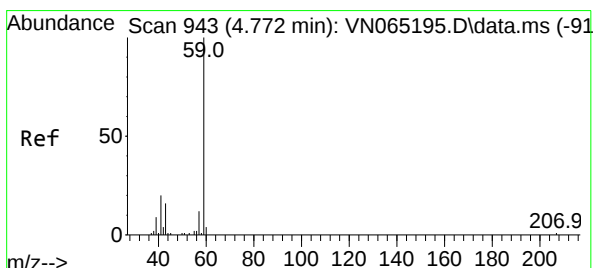
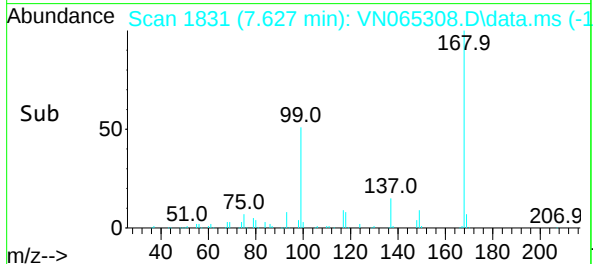
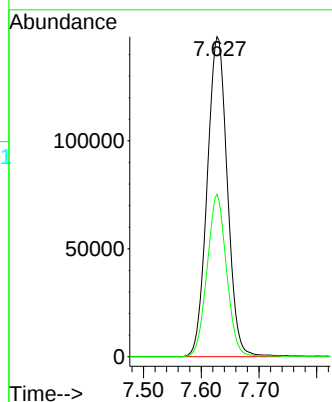
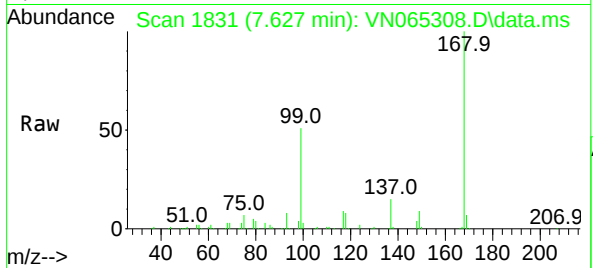




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN065308.D
Acq: 29 Dec 2020 16:01

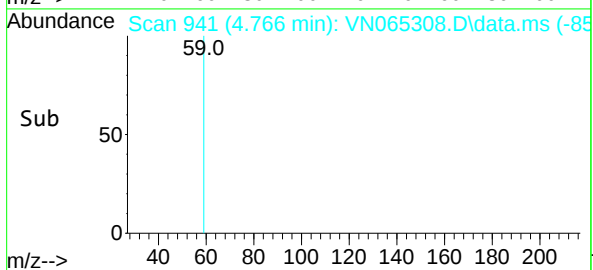
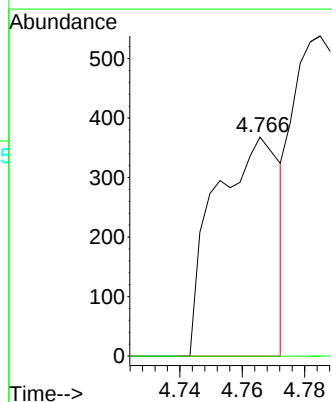
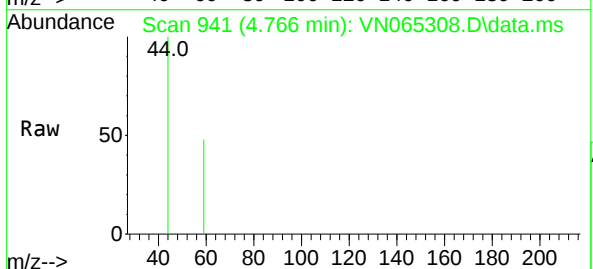
Instrument :
MSVOA_N
ClientSampleId :
DRUM-COMP-2

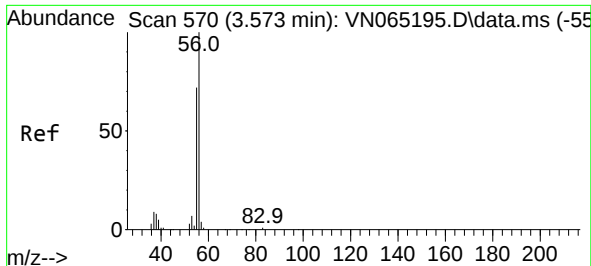
Tgt Ion:168 Resp: 358845
Ion Ratio Lower Upper
168 100
99 50.7 43.0 64.4



#11
Tert butyl alcohol
Concen: 0.79 ug/l
RT: 4.766 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN065308.D
Acq: 29 Dec 2020 16:01

Tgt Ion: 59 Resp: 526
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

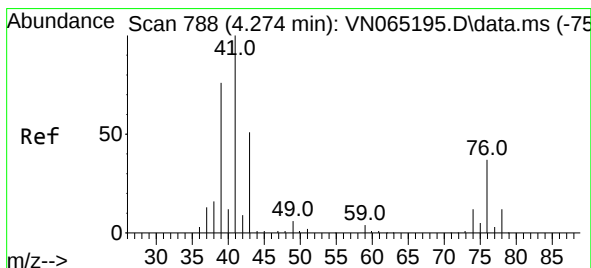
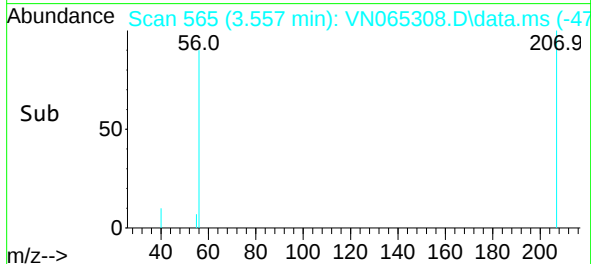
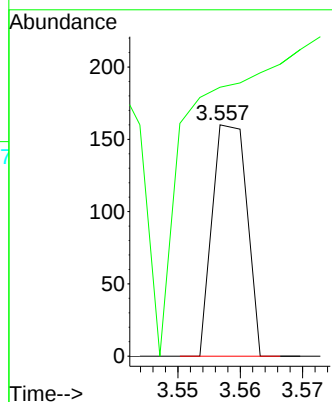
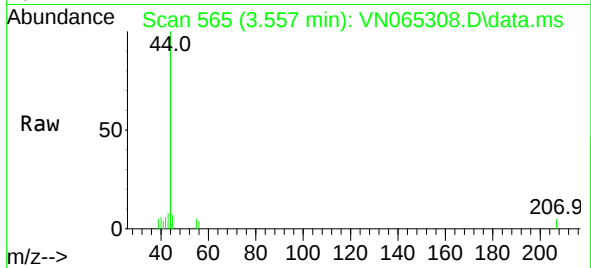




#13
Acrolein
Concen: 2.55 ug/l
RT: 3.557 min Scan# 565
Delta R.T. -0.016 min
Lab File: VN065308.D
Acq: 29 Dec 2020 16:01

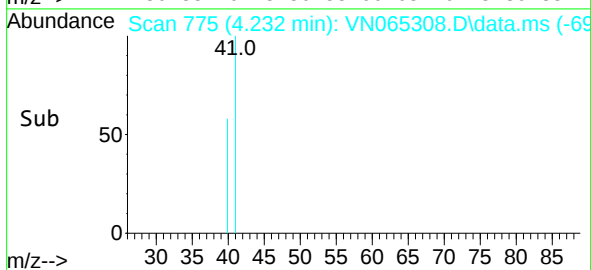
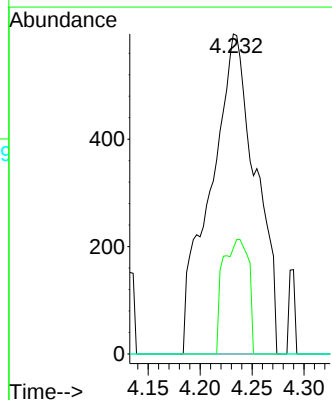
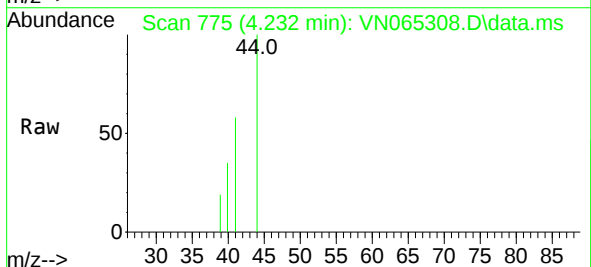
Instrument :
MSVOA_N
ClientSampleId :
DRUM-COMP-2

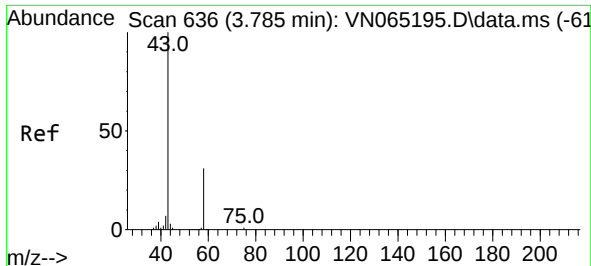
Tgt Ion: 56 Resp: 61
Ion Ratio Lower Upper
56 100
55 801.6 56.5 84.7#



#14
Allyl chloride
Concen: 0.31 ug/l
RT: 4.232 min Scan# 775
Delta R.T. -0.042 min
Lab File: VN065308.D
Acq: 29 Dec 2020 16:01

Tgt Ion: 41 Resp: 1800
Ion Ratio Lower Upper
41 100
39 20.1 50.9 76.3#
76 0.0 29.0 43.4#

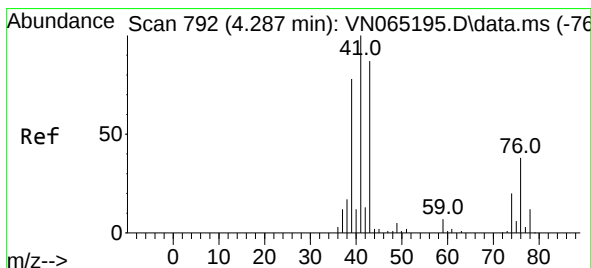
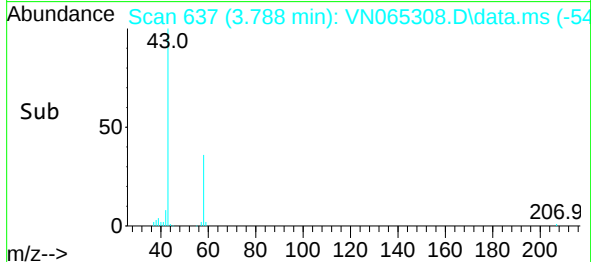
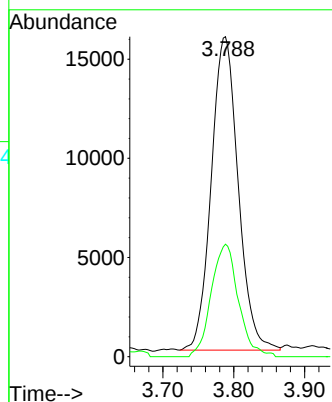
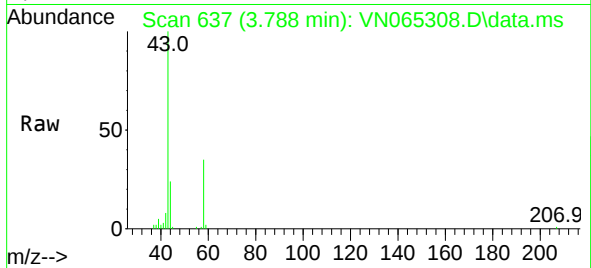




#16
Acetone
Concen: 14.41 ug/l
RT: 3.788 min Scan# 637
Delta R.T. 0.003 min
Lab File: VN065308.D
Acq: 29 Dec 2020 16:01

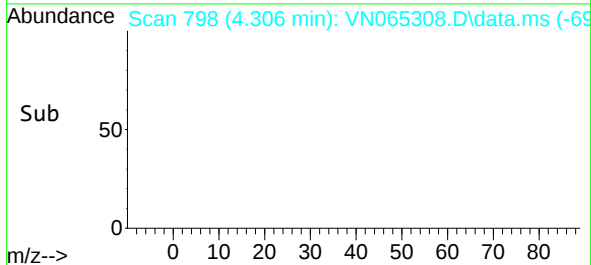
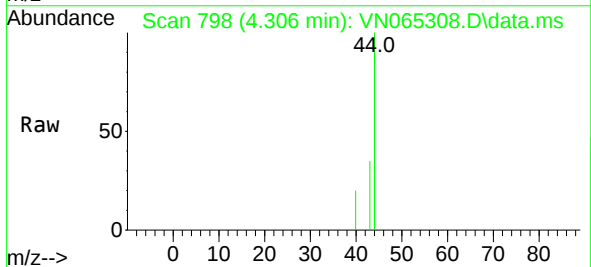
Instrument :
MSVOA_N
ClientSampleId :
DRUM-COMP-2

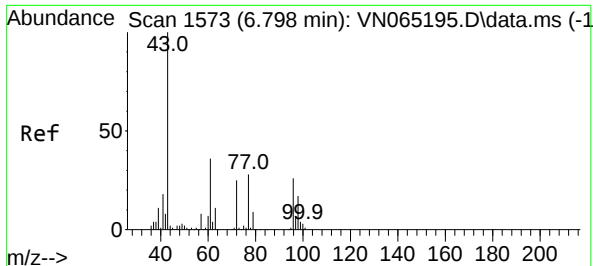
Tgt Ion: 43 Resp: 41734
Ion Ratio Lower Upper
43 100
58 35.9 25.7 38.5



#18
Methyl Acetate
Concen: 0.22 ug/l
RT: 4.306 min Scan# 798
Delta R.T. 0.019 min
Lab File: VN065308.D
Acq: 29 Dec 2020 16:01

Tgt Ion: 43 Resp: 798
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#

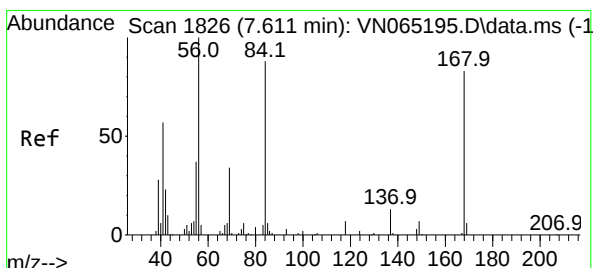
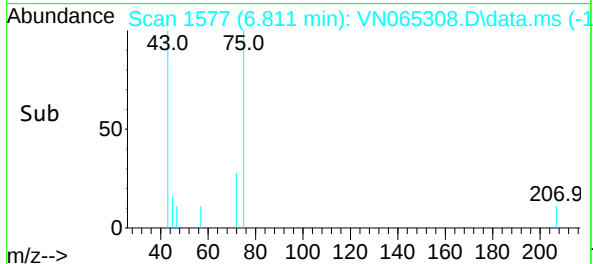
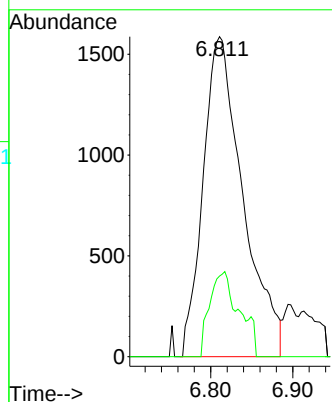
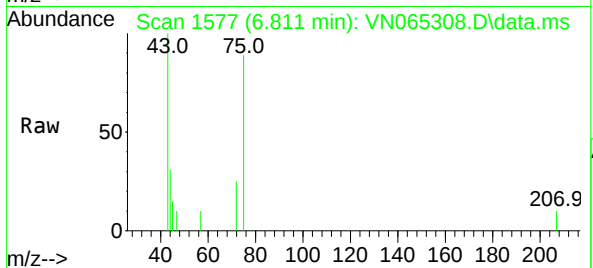




#25
2-Butanone
Concen: 2.35 ug/l
RT: 6.811 min Scan# 1577
Delta R.T. 0.013 min
Lab File: VN065308.D
Acq: 29 Dec 2020 16:01

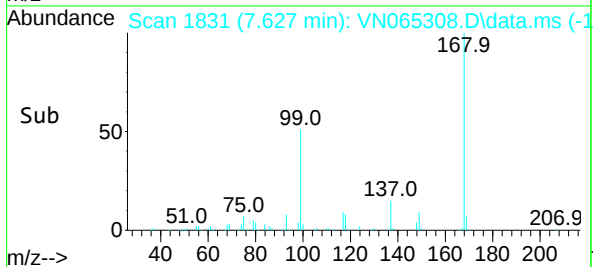
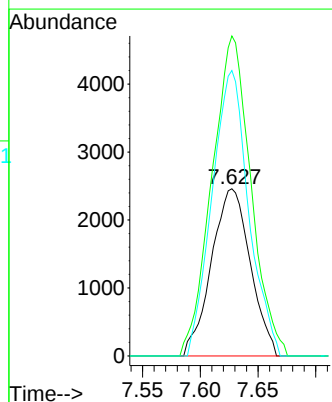
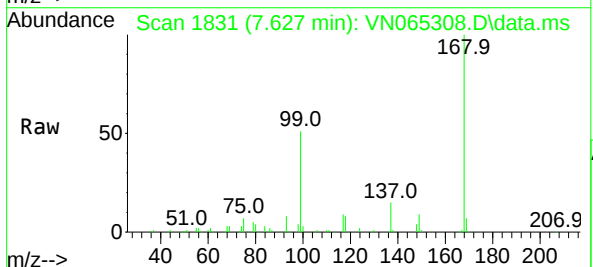
Instrument :
MSVOA_N
ClientSampleId :
DRUM-COMP-2

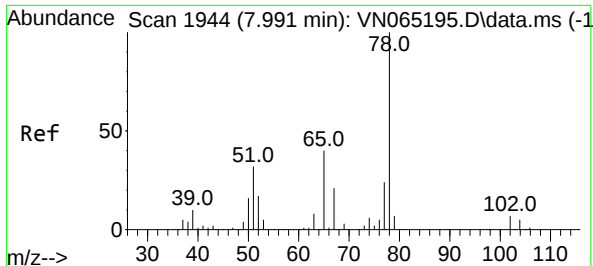
Tgt Ion: 43 Resp: 5354
Ion Ratio Lower Upper
43 100
72 25.2 21.0 31.6



#31
Cyclohexane
Concen: 0.96 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.016 min
Lab File: VN065308.D
Acq: 29 Dec 2020 16:01

Tgt Ion: 56 Resp: 5760
Ion Ratio Lower Upper
56 100
69 191.4 27.5 41.3#
84 170.7 73.9 110.9#

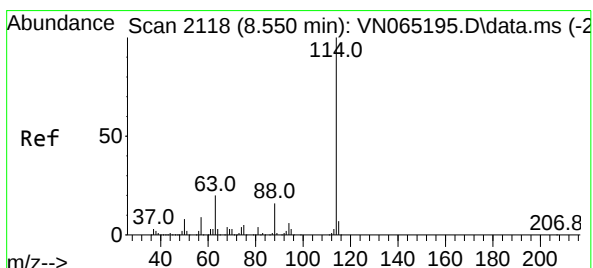
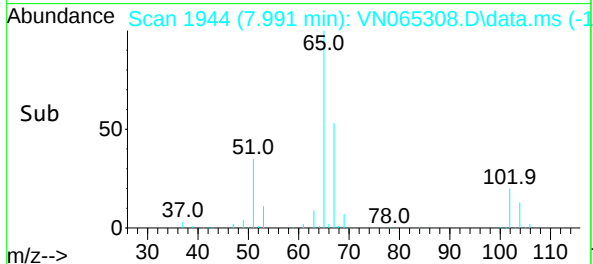
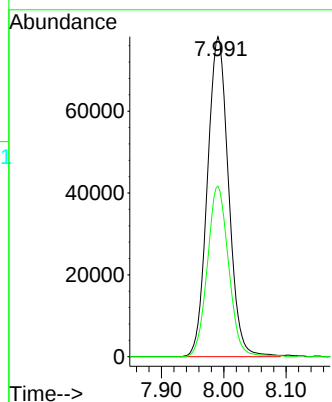
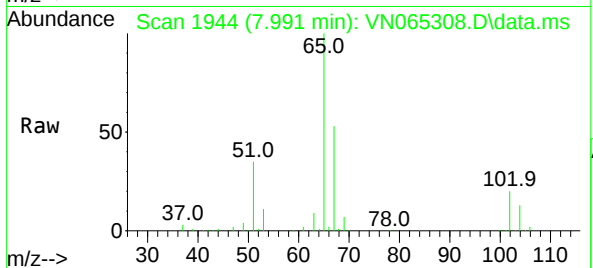




#33
1,2-Dichloroethane-d4
Concen: 45.47 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VN065308.D
Acq: 29 Dec 2020 16:01

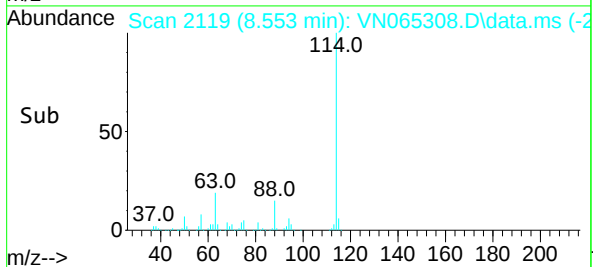
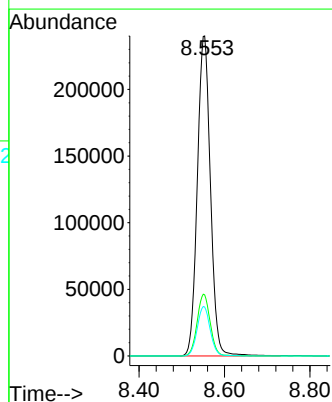
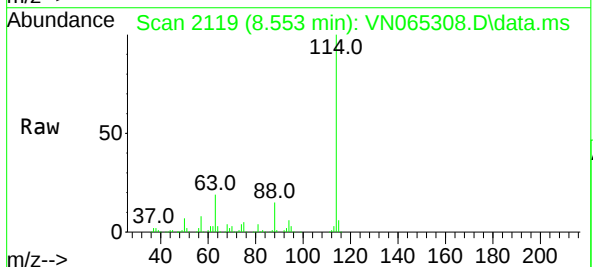
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Tgt Ion: 65 Resp: 184216
Ion Ratio Lower Upper
65 100
67 53.4 0.0 108.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.003 min
Lab File: VN065308.D
Acq: 29 Dec 2020 16:01

Tgt Ion: 114 Resp: 510933
Ion Ratio Lower Upper
114 100
63 19.1 0.0 38.6
88 15.3 0.0 32.6

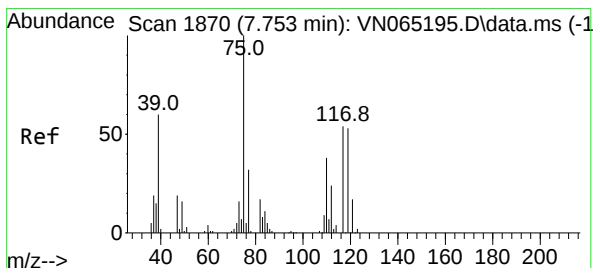
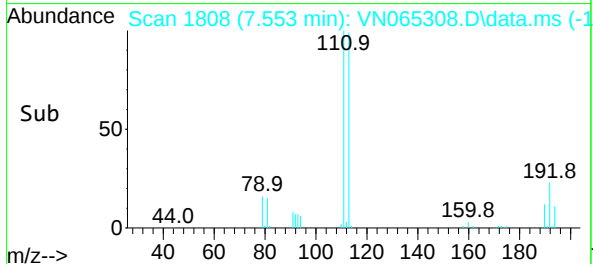
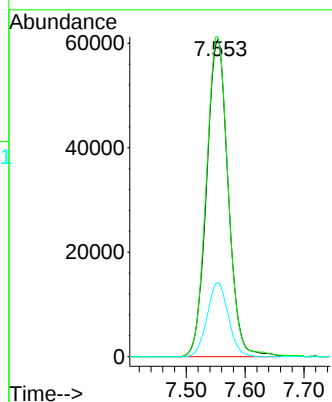
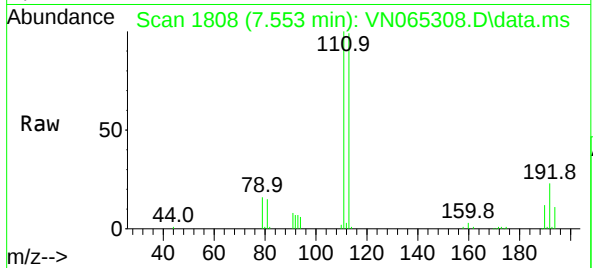




#35
Dibromofluoromethane
Concen: 50.29 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN065308.D
Acq: 29 Dec 2020 16:01

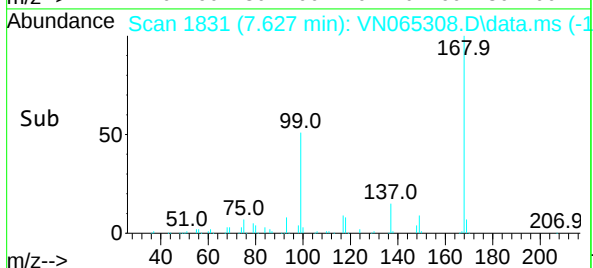
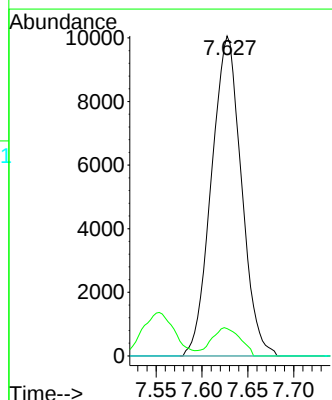
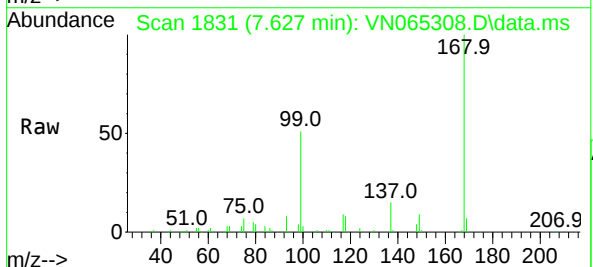
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ClientSampleId :
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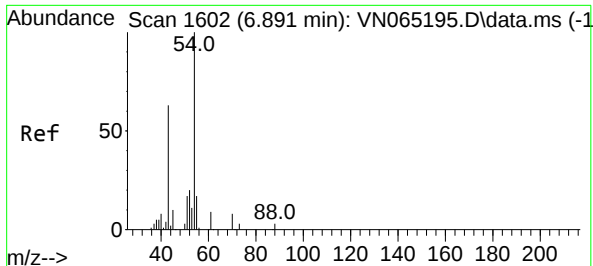
Tgt Ion:113 Resp: 155006
Ion Ratio Lower Upper
113 100
111 101.7 81.6 122.4
192 22.9 16.2 24.2



#36
1,1-Dichloropropene
Concen: 4.92 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN065308.D
Acq: 29 Dec 2020 16:01

Tgt Ion: 75 Resp: 22850
Ion Ratio Lower Upper
75 100
110 8.5 17.8 53.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.16 ug/l

RT: 6.811 min Scan# 1577

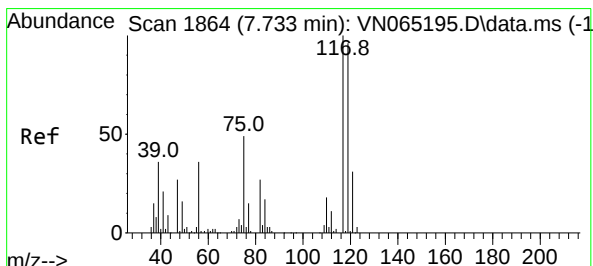
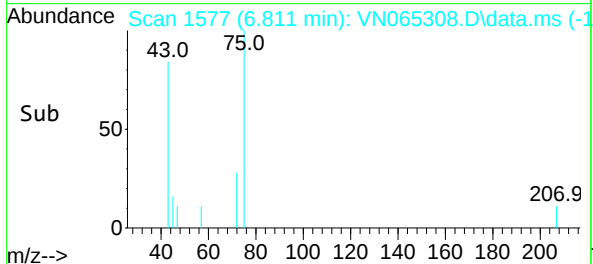
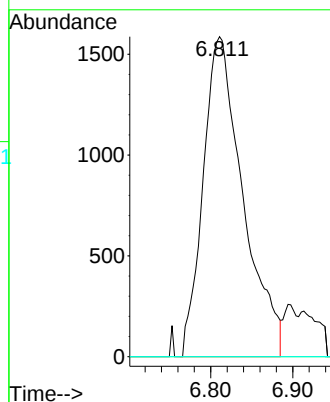
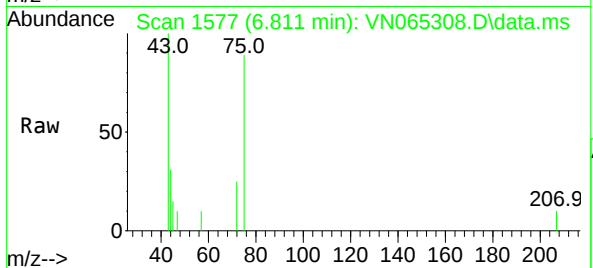
Delta R.T. -0.080 min

Lab File: VN065308.D

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MSVOA_N
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Tgt Ion:	43	Resp:	5354
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.0	8.8	13.2#



#38

Carbon Tetrachloride

Concen: 6.19 ug/l

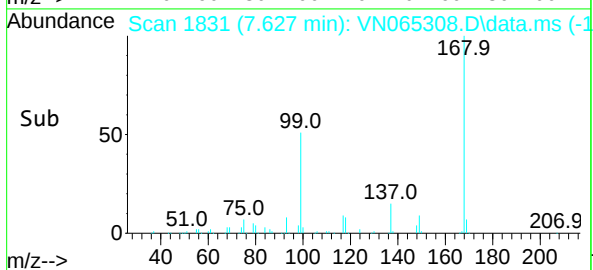
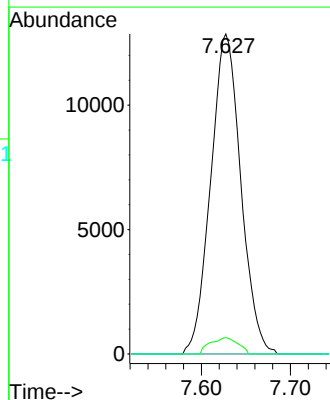
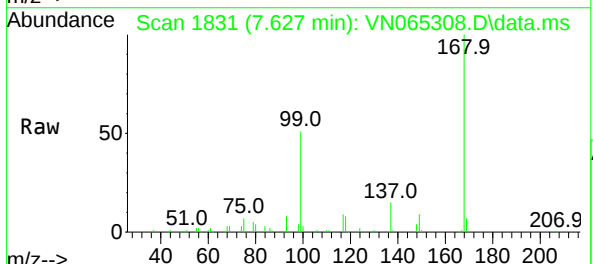
RT: 7.627 min Scan# 1831

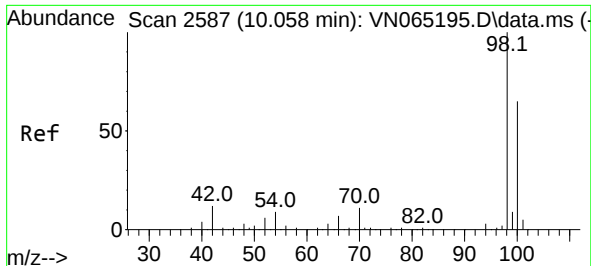
Delta R.T. -0.106 min

Lab File: VN065308.D

Acq: 29 Dec 2020 16:01

Tgt Ion:	117	Resp:	30210
Ion	Ratio	Lower	Upper
117	100		
119	5.1	76.7	115.1#
121	0.0	25.4	38.2#

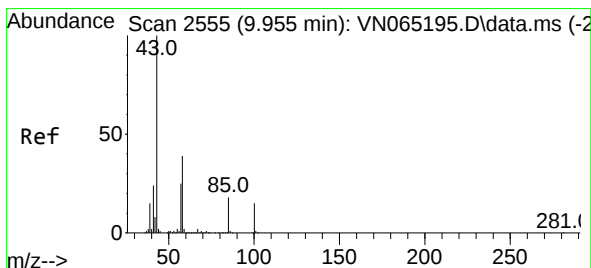
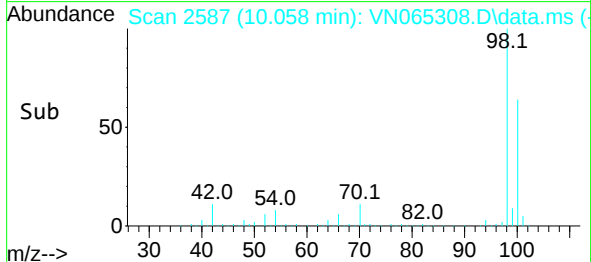
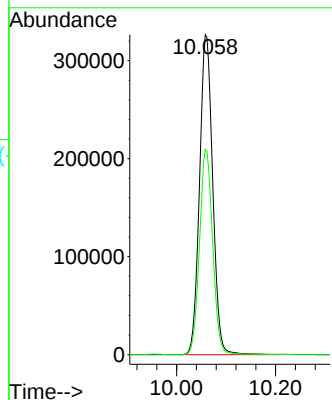
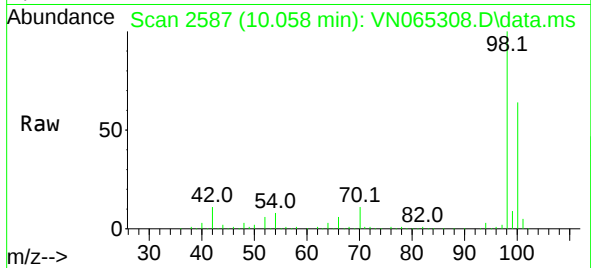




#50
Toluene-d8
Concen: 52.40 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065308.D
Acq: 29 Dec 2020 16:01

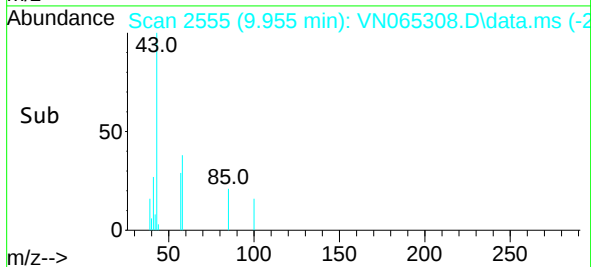
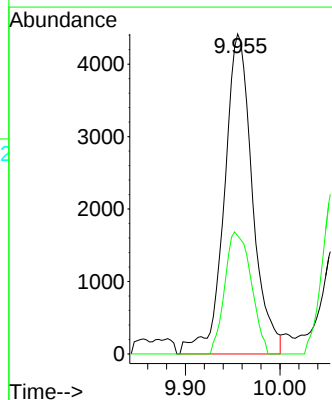
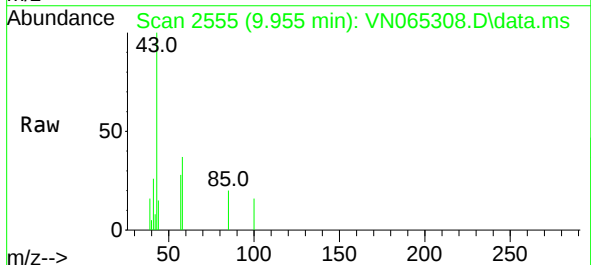
Instrument :
MSVOA_N
ClientSampleId :
DRUM-COMP-2

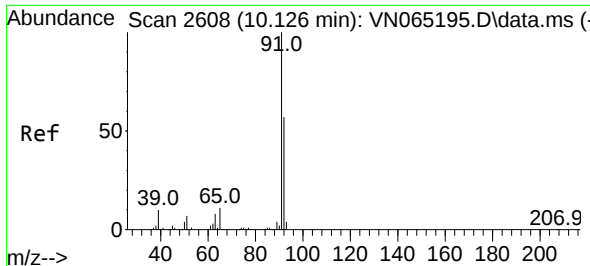
Tgt Ion: 98 Resp: 605367
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 2.05 ug/l
RT: 9.955 min Scan# 2555
Delta R.T. 0.000 min
Lab File: VN065308.D
Acq: 29 Dec 2020 16:01

Tgt Ion: 43 Resp: 9127
Ion Ratio Lower Upper
43 100
58 35.5 32.4 48.6

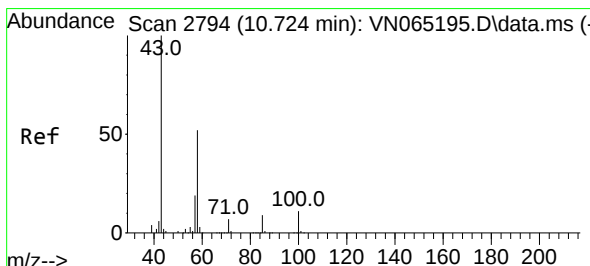
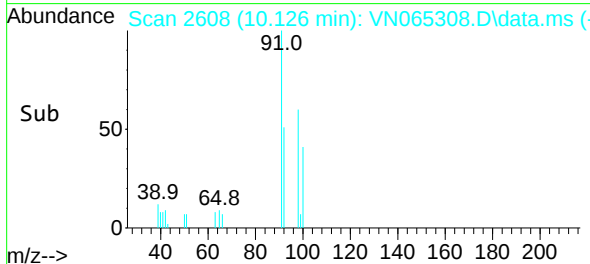
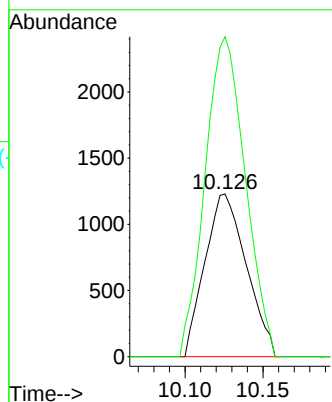
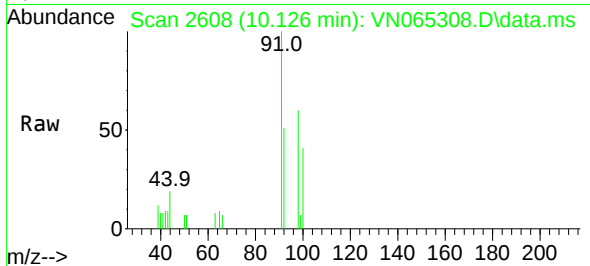




#52
Toluene
Concen: 0.26 ug/l
RT: 10.126 min Scan# 2608
Delta R.T. -0.000 min
Lab File: VN065308.D
Acq: 29 Dec 2020 16:01

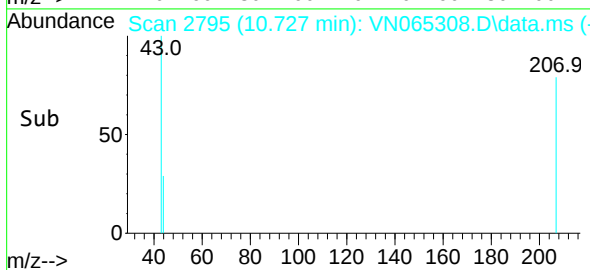
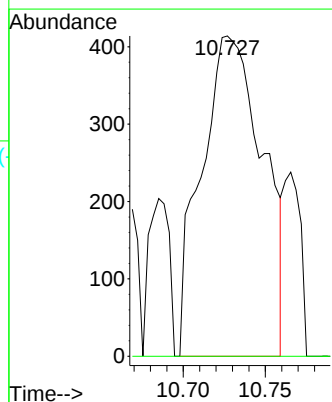
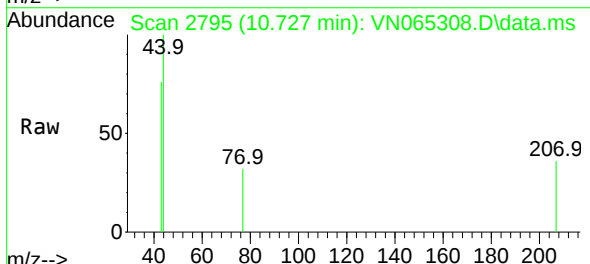
Instrument :
MSVOA_N
ClientSampleId :
DRUM-COMP-2

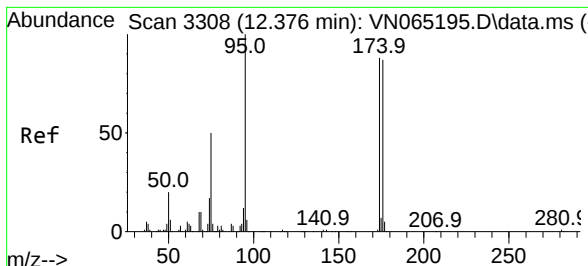
Tgt Ion: 92 Resp: 2269
Ion Ratio Lower Upper
92 100
91 190.8 139.1 208.7



#59
2-Hexanone
Concen: 0.33 ug/l
RT: 10.727 min Scan# 2795
Delta R.T. 0.003 min
Lab File: VN065308.D
Acq: 29 Dec 2020 16:01

Tgt Ion: 43 Resp: 1079
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#

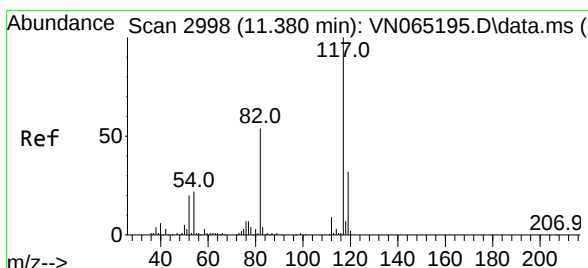
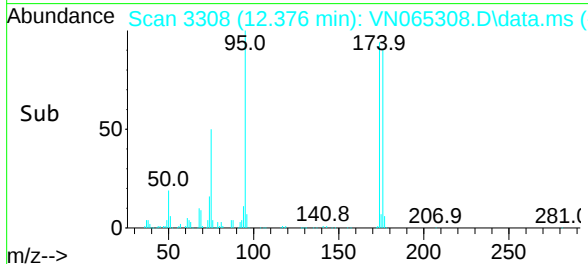
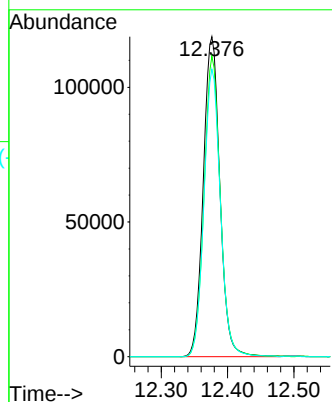
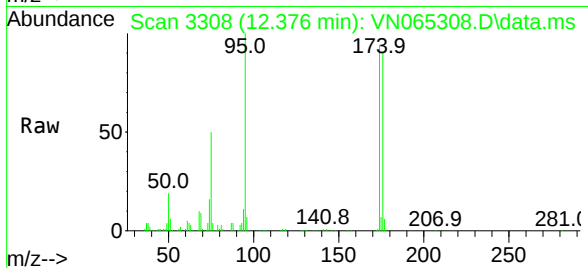




#62
4-Bromofluorobenzene
Concen: 45.68 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065308.D
Acq: 29 Dec 2020 16:01

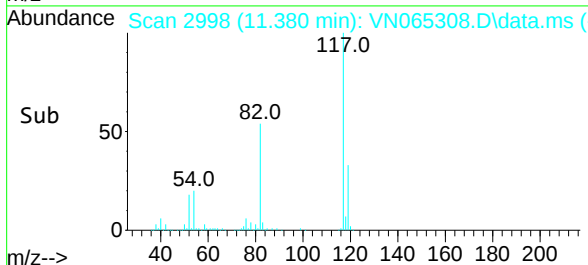
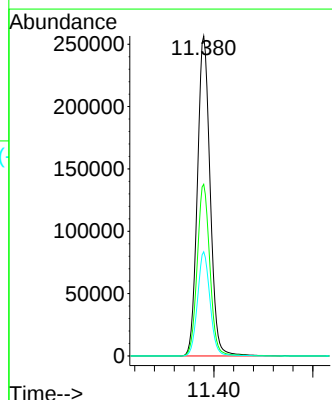
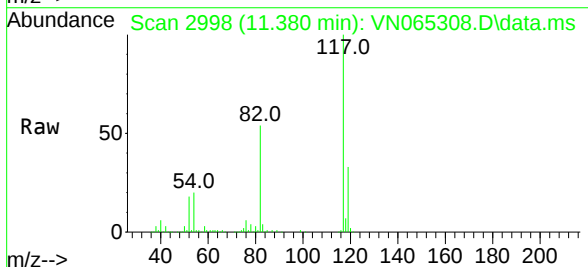
Instrument :
MSVOA_N
ClientSampleId :
DRUM-COMP-2

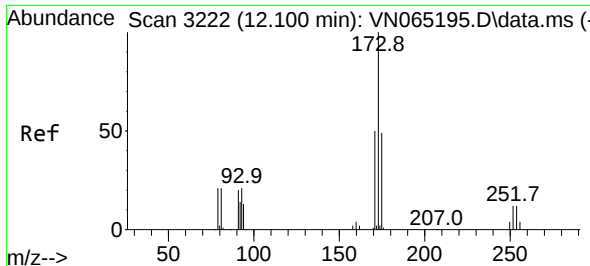
Tgt Ion: 95 Resp: 206490
Ion Ratio Lower Upper
95 100
174 92.0 0.0 160.4
176 88.9 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065308.D
Acq: 29 Dec 2020 16:01

Tgt Ion: 117 Resp: 459368
Ion Ratio Lower Upper
117 100
82 53.7 44.2 66.2
119 32.5 25.8 38.6

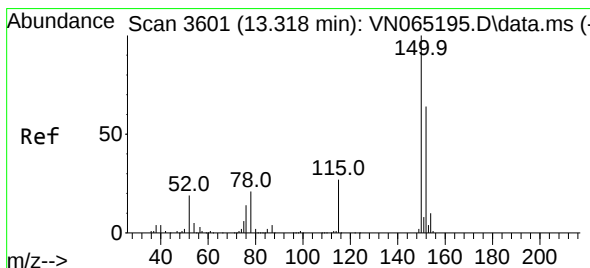
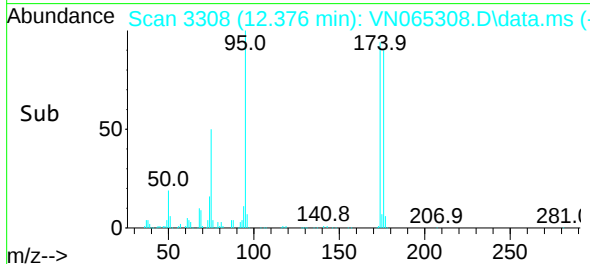
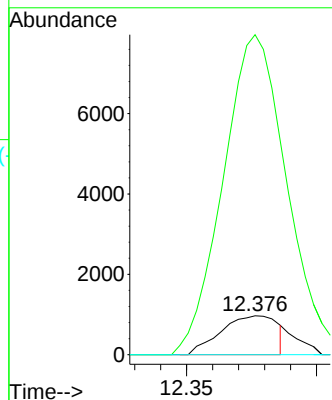
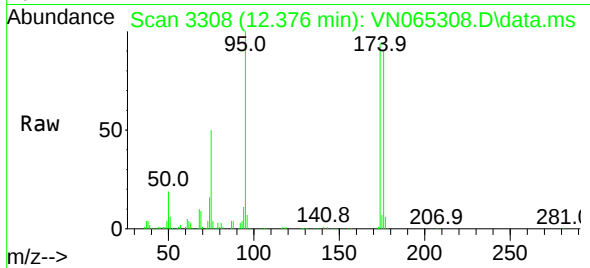




#71
Bromoform
Concen: 0.47 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.276 min
Lab File: VN065308.D
Acq: 29 Dec 2020 16:01

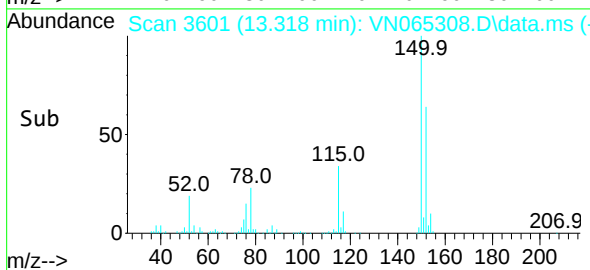
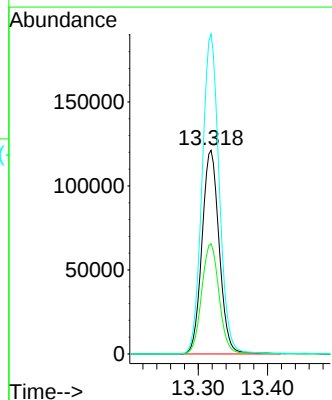
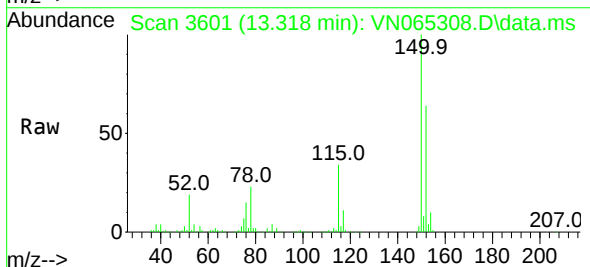
Instrument :
MSVOA_N
ClientSampleId :
DRUM-COMP-2

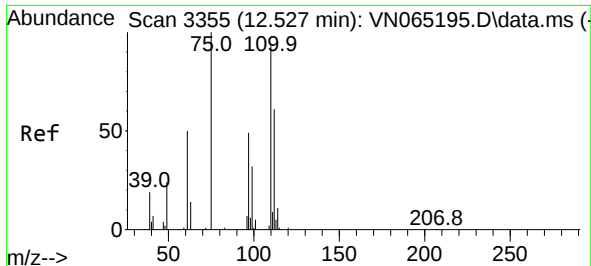
Tgt Ion:173 Resp: 1470
Ion Ratio Lower Upper
173 100
175 766.0 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.318 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN065308.D
Acq: 29 Dec 2020 16:01

Tgt Ion:152 Resp: 208935
Ion Ratio Lower Upper
152 100
115 54.0 29.7 89.1
150 156.4 0.0 350.6

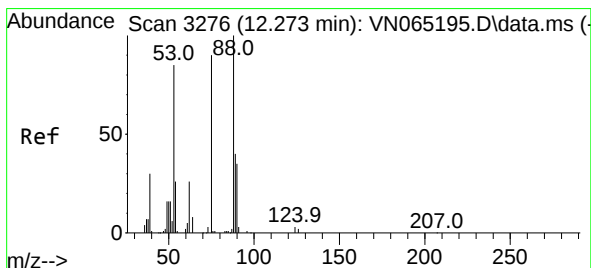
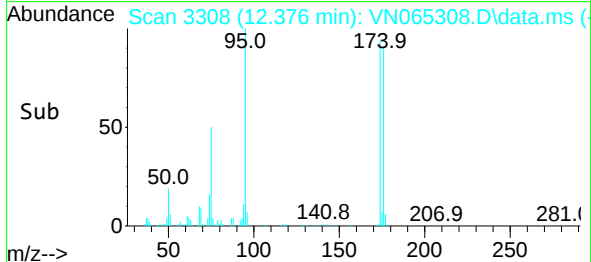
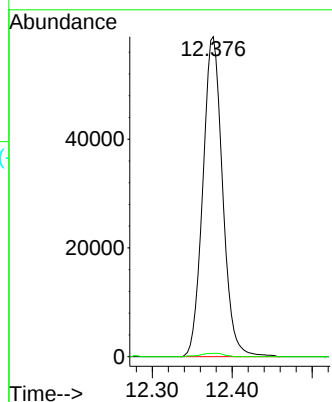
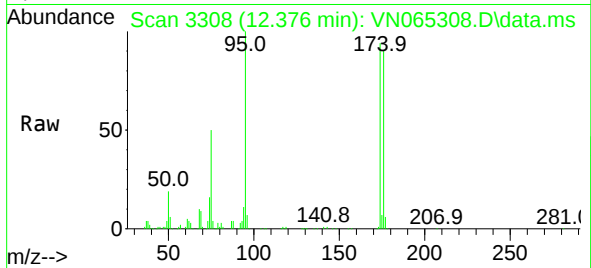




#76
1,2,3-Trichloropropane
Concen: 23.73 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065308.D
Acq: 29 Dec 2020 16:01

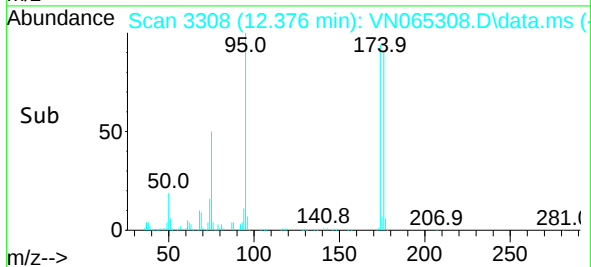
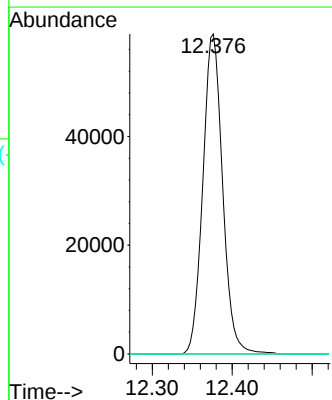
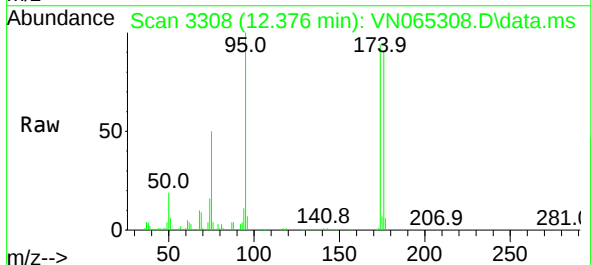
Instrument :
MSVOA_N
ClientSampleId :
DRUM-COMP-2

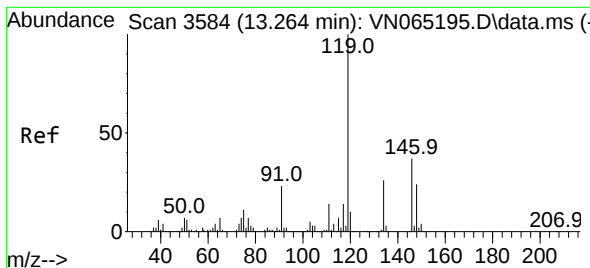
Tgt Ion: 75 Resp: 101152
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.84 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065308.D
Acq: 29 Dec 2020 16:01

Tgt Ion: 75 Resp: 101152
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#

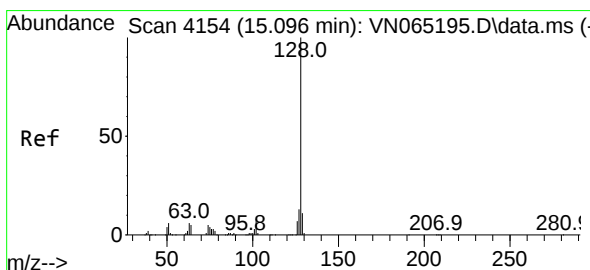
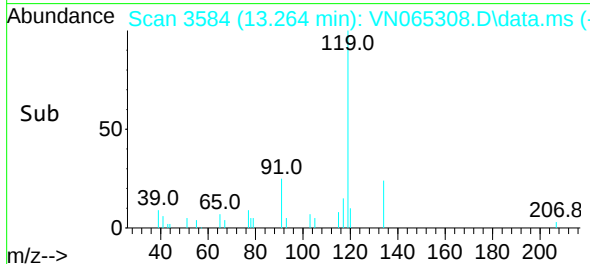
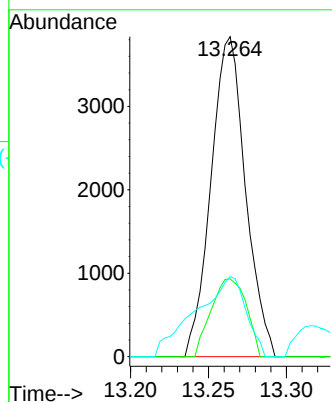
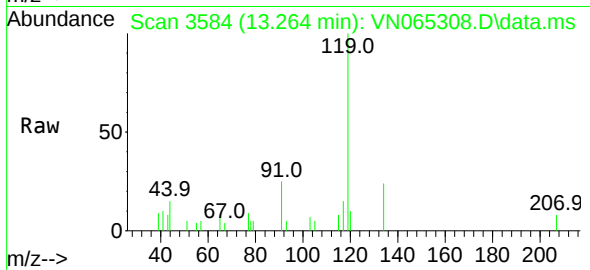




#86
p-Isopropyltoluene
Concen: 0.42 ug/l
RT: 13.264 min Scan# 3584
Delta R.T. -0.000 min
Lab File: VN065308.D
Acq: 29 Dec 2020 16:01

Instrument :
MSVOA_N
ClientSampled :
DRUM-COMP-2

Tgt Ion:119 Resp: 5905
Ion Ratio Lower Upper
119 100
134 24.8 13.1 39.1
91 36.5 11.5 34.5#



#95
Naphthalene
Concen: 4.76 ug/l
RT: 15.096 min Scan# 4154
Delta R.T. 0.000 min
Lab File: VN065308.D
Acq: 29 Dec 2020 16:01

Tgt Ion:128 Resp: 16162
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 11.1 8.7 13.1

