

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123020\
 Data File : VN065321.D
 Acq On : 30 Dec 2020 15:32
 Operator : JC/MD
 Sample : PB133547ZHE#02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 31 03:03:06 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)

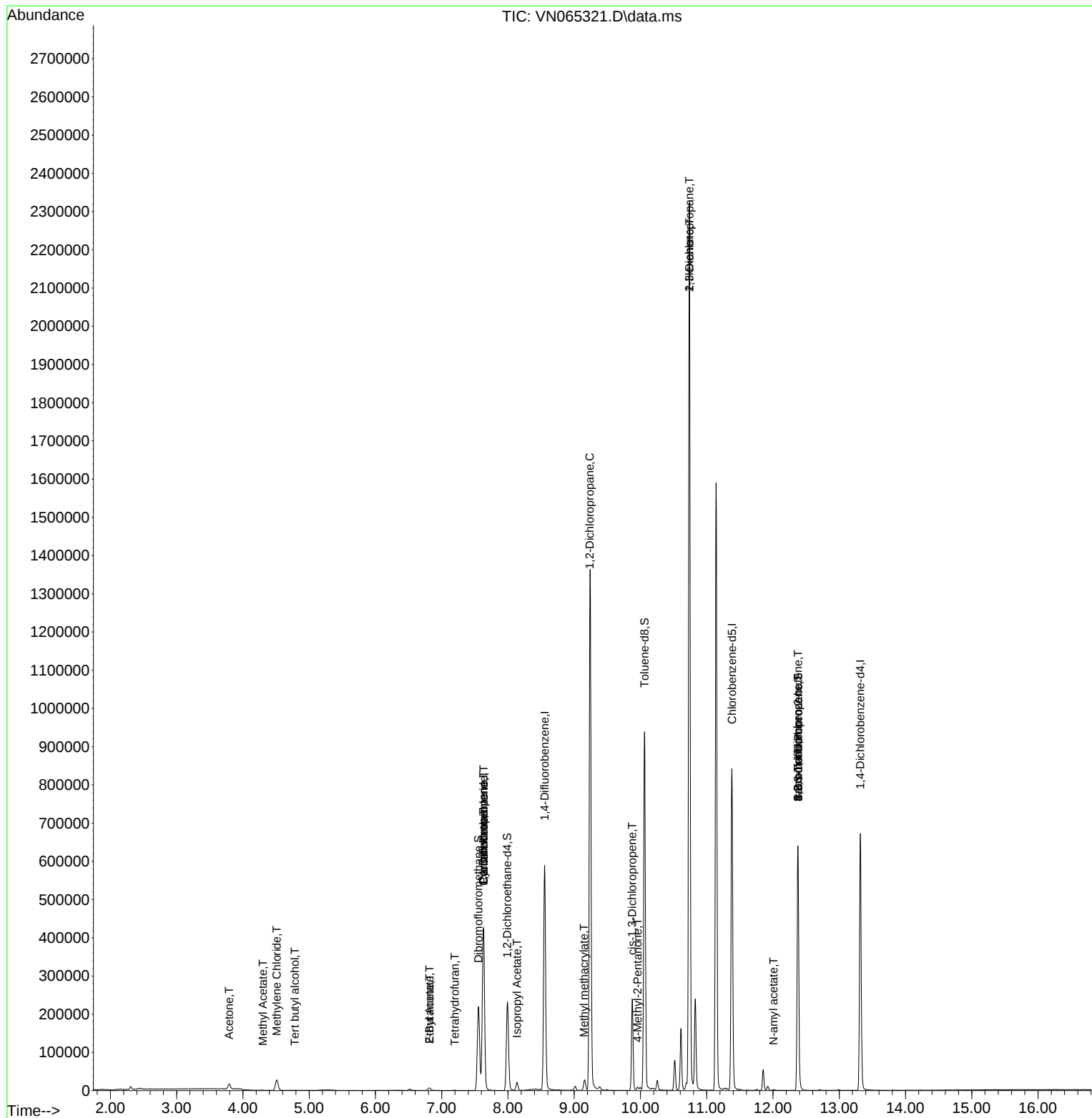
Internal Standards						
1) Pentafluorobenzene	7.630	168	389986	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	559129	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.379	117	516172	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	206689	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.990	65	202487	45.99	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.98%		
35) Dibromofluoromethane	7.553	113	167958	49.79	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.58%		
50) Toluene-d8	10.061	98	671868	53.14	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	106.28%		
62) 4-Bromofluorobenzene	12.376	95	226280	45.74	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.48%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.782	59	804	1.12	ug/l #	73
16) Acetone	3.791	43	22015	1.21	ug/l	95
18) Methyl Acetate	4.303	43	1205	0.30	ug/l #	50
20) Methylene Chloride	4.512	84	20606	4.80	ug/l	97
25) 2-Butanone	6.814	43	10601	4.29	ug/l	98
29) Tetrahydrofuran	7.196	42	966	0.60	ug/l #	43
31) Cyclohexane	7.627	56	6353	0.98	ug/l #	1
36) 1,1-Dichloropropene	7.627	75	24617	4.84	ug/l #	50
37) Ethyl Acetate	6.814	43	10601	2.10	ug/l #	66
38) Carbon Tetrachloride	7.630	117	33137	6.21	ug/l #	16
43) Isopropyl Acetate	8.135	43	25604	2.95	ug/l	96
45) 1,2-Dichloropropane	9.235	63	1664	0.42	ug/l #	43
48) Methyl methacrylate	9.148	41	7066	1.68	ug/l #	12
51) 4-Methyl-2-Pentanone	9.955	43	6103	1.25	ug/l	97
54) cis-1,3-Dichloropropene	9.875	75	44449	6.59	ug/l #	61
57) 1,3-Dichloropropane	10.736	76	24669	3.96	ug/l #	42
59) 2-Hexanone	10.736	43	338923	94.41	ug/l #	49
71) Bromoform	12.376	173	1441	0.41	ug/l #	1
74) N-amyl acetate	12.010	43	1520	0.24	ug/l #	42
76) 1,2,3-Trichloropropane	12.376	75	110571	26.22	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.376	75	110571	66.12	ug/l #	15

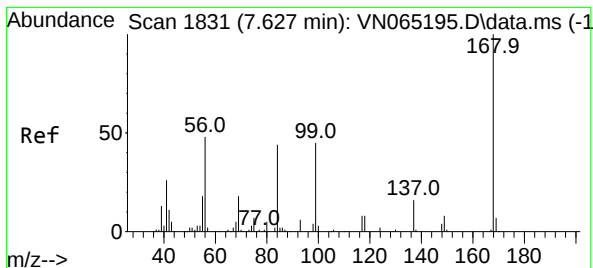
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122220W.M
Quant Title : SW846 8260
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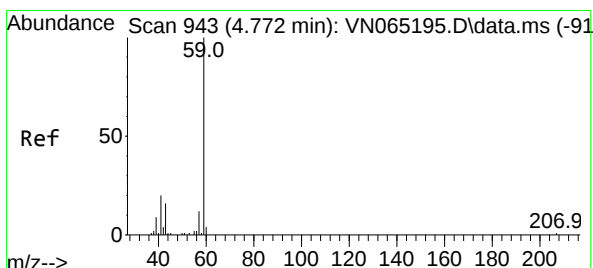
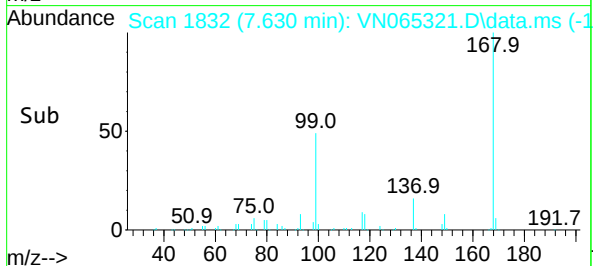
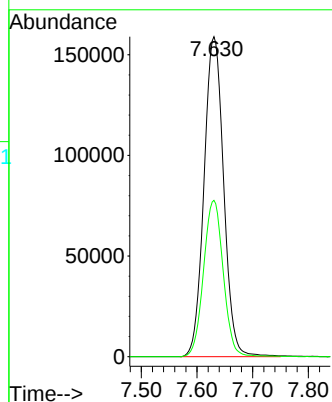
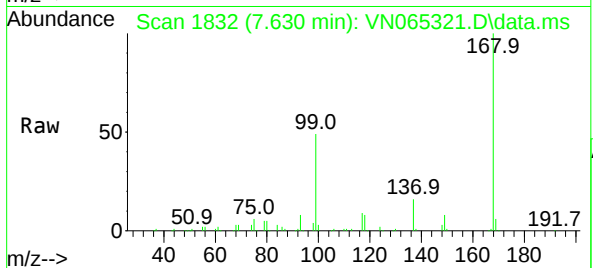


#1

Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. 0.003 min
Lab File: VN065321.D
Acq: 30 Dec 2020 15:32

Instrument :
MSVOA_N
ClientSampled :

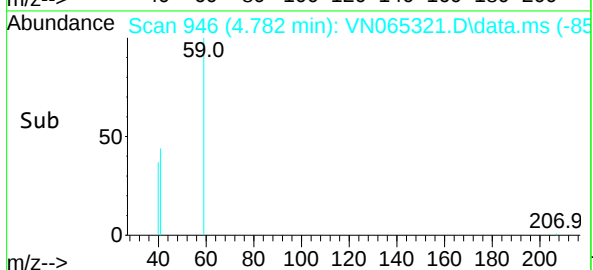
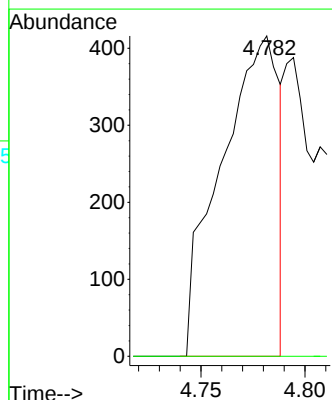
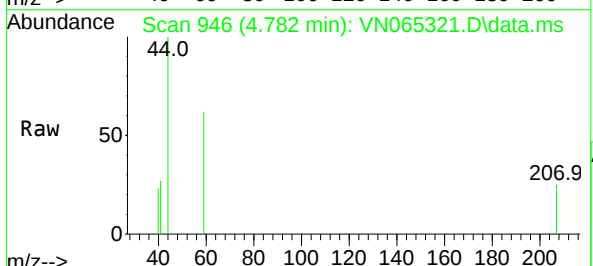
Tgt Ion:168 Resp: 389986
Ion Ratio Lower Upper
168 100
99 48.9 43.0 64.4

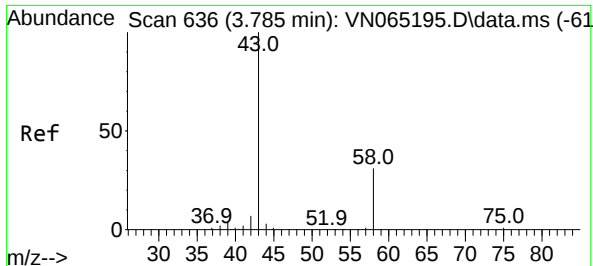


#11

Tert butyl alcohol
Concen: 1.12 ug/l
RT: 4.782 min Scan# 946
Delta R.T. 0.010 min
Lab File: VN065321.D
Acq: 30 Dec 2020 15:32

Tgt Ion: 59 Resp: 804
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

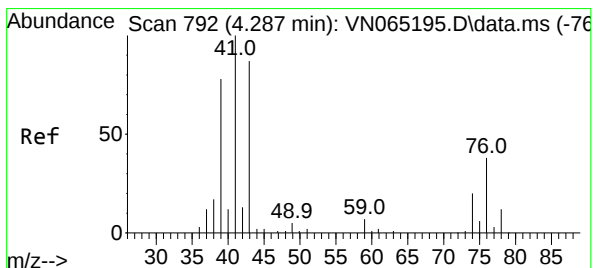
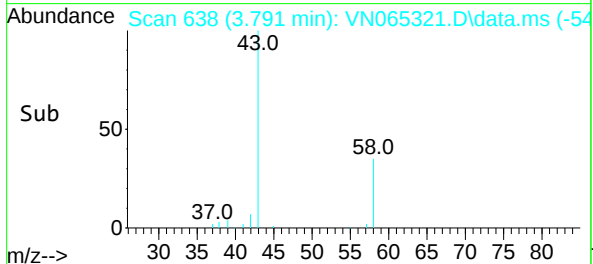
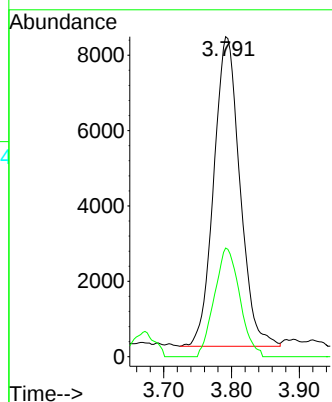
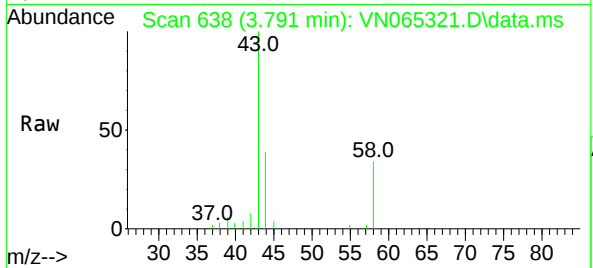




#16
Acetone
Concen: 1.21 ug/l
RT: 3.791 min Scan# 638
Delta R.T. 0.006 min
Lab File: VN065321.D
Acq: 30 Dec 2020 15:32

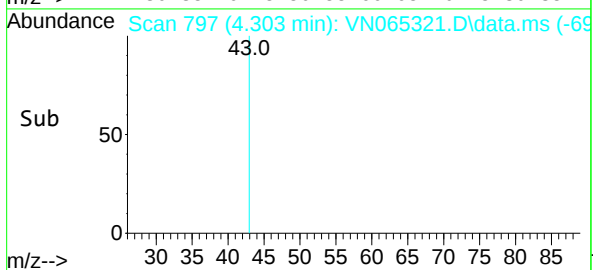
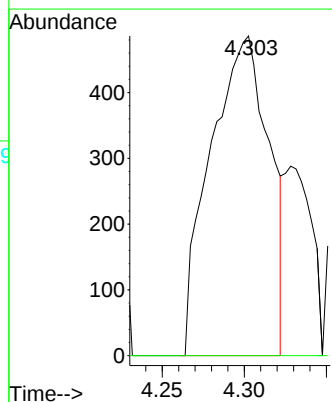
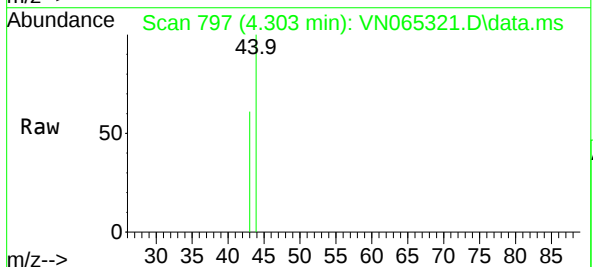
Instrument :
MSVOA_N
ClientSampled :

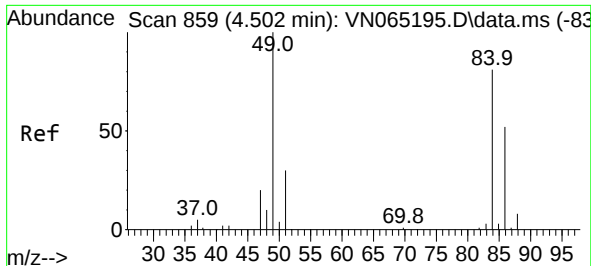
Tgt Ion: 43 Resp: 22015
Ion Ratio Lower Upper
43 100
58 35.1 25.7 38.5



#18
Methyl Acetate
Concen: 0.30 ug/l
RT: 4.303 min Scan# 797
Delta R.T. 0.016 min
Lab File: VN065321.D
Acq: 30 Dec 2020 15:32

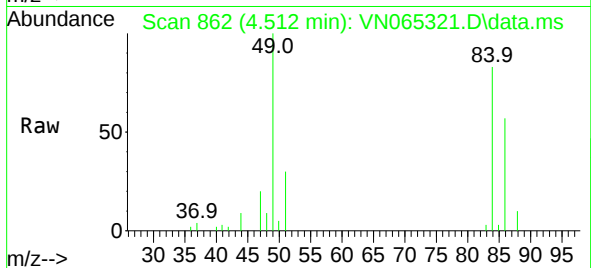
Tgt Ion: 43 Resp: 1205
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



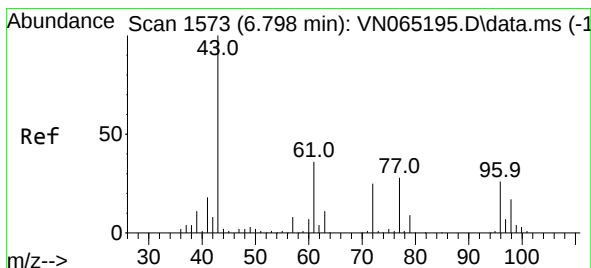
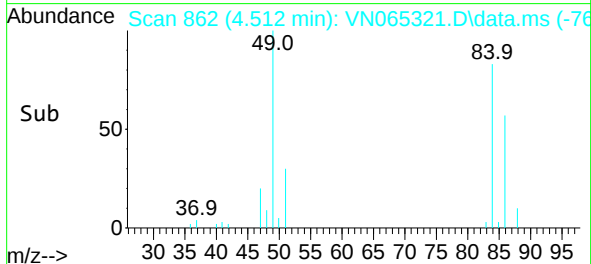
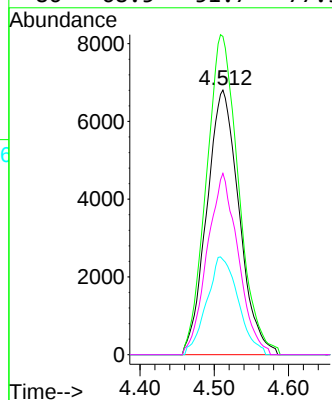


#20
Methylene Chloride
Concen: 4.80 ug/l
RT: 4.512 min Scan# 862
Delta R.T. 0.010 min
Lab File: VN065321.D
Acq: 30 Dec 2020 15:32

Instrument :
MSVOA_N
ClientSampled :

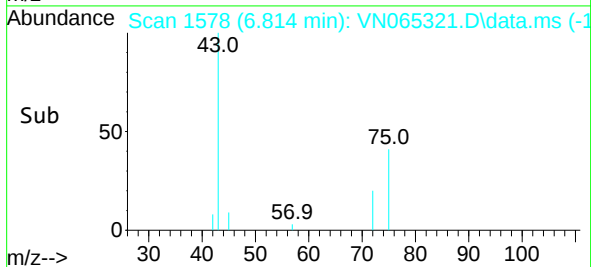
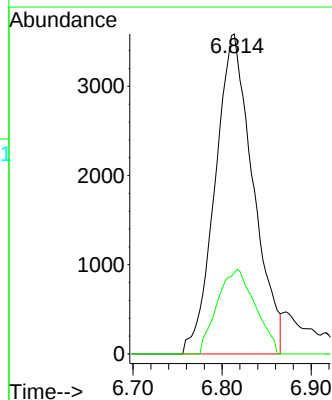
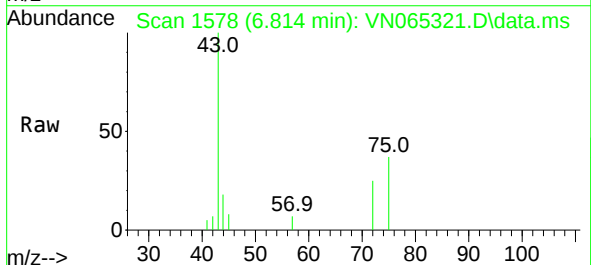


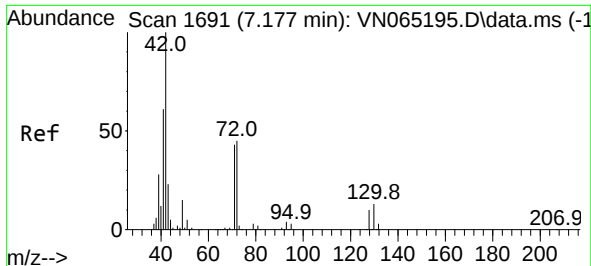
Tgt Ion:	84	Resp:	20606
Ion	Ratio	Lower	Upper
84	100		
49	120.2	93.4	140.0
51	35.9	28.2	42.4
86	68.5	51.7	77.5



#25
2-Butanone
Concen: 4.29 ug/l
RT: 6.814 min Scan# 1578
Delta R.T. 0.016 min
Lab File: VN065321.D
Acq: 30 Dec 2020 15:32

Tgt Ion:	43	Resp:	10601
Ion	Ratio	Lower	Upper
43	100		
72	25.4	21.0	31.6





#29

Tetrahydrofuran

Concen: 0.60 ug/l

RT: 7.196 min Scan# 1697

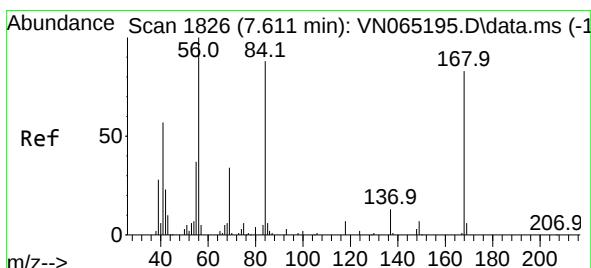
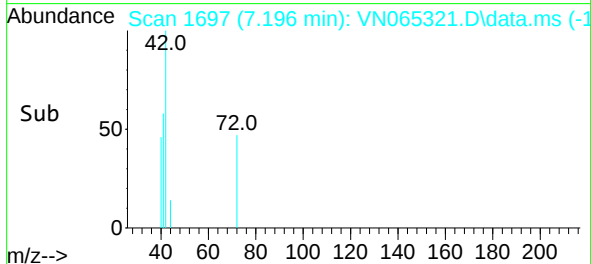
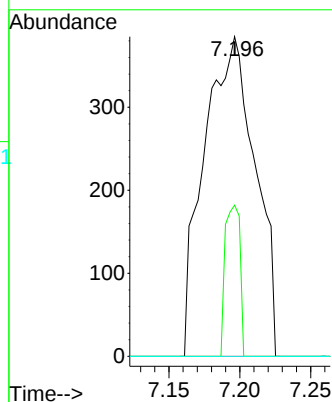
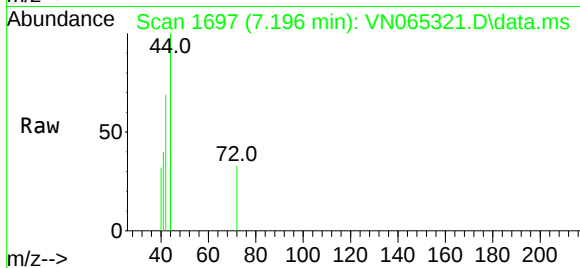
Delta R.T. 0.019 min

Lab File: VN065321.D

Acq: 30 Dec 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 42	Resp: 966
Ion Ratio	Lower Upper
42	100
72	13.7 36.6 54.8#
71	0.0 33.6 50.4#



#31

Cyclohexane

Concen: 0.98 ug/l

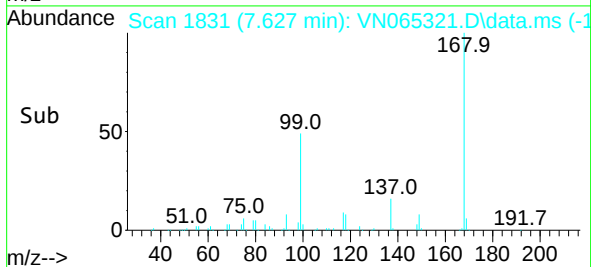
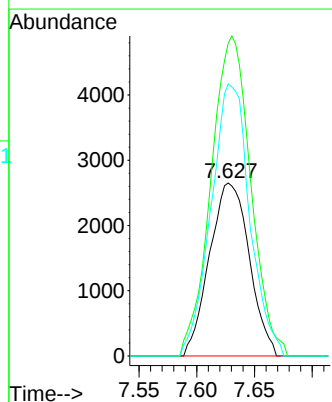
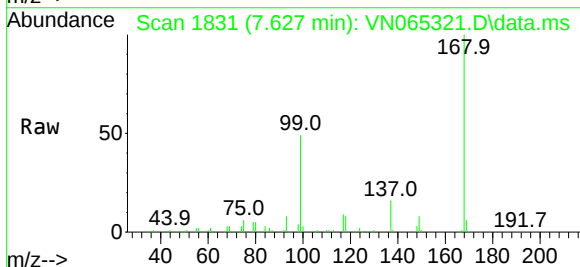
RT: 7.627 min Scan# 1831

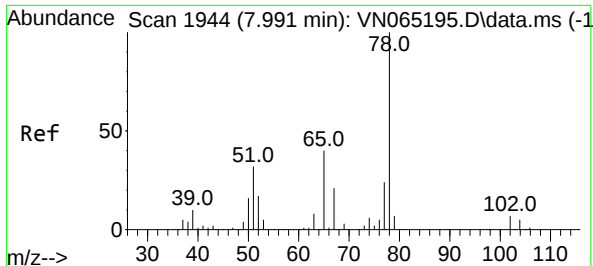
Delta R.T. 0.016 min

Lab File: VN065321.D

Acq: 30 Dec 2020 15:32

Tgt Ion: 56	Resp: 6353
Ion Ratio	Lower Upper
56	100
69	180.8 27.5 41.3#
84	157.3 73.9 110.9#

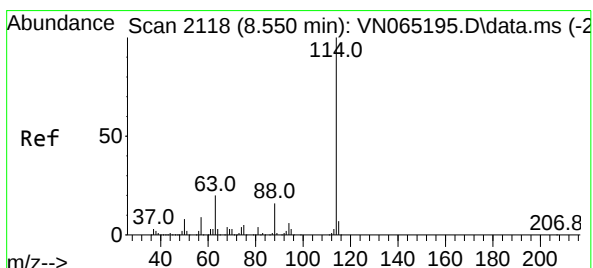
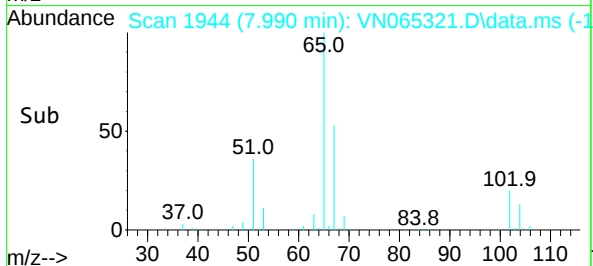
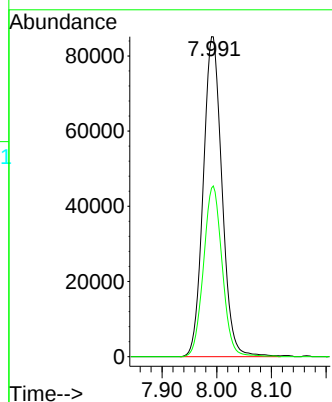
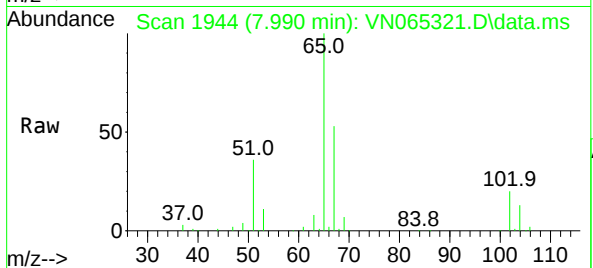




#33
1,2-Dichloroethane-d4
Concen: 45.99 ug/l
RT: 7.990 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VN065321.D
Acq: 30 Dec 2020 15:32

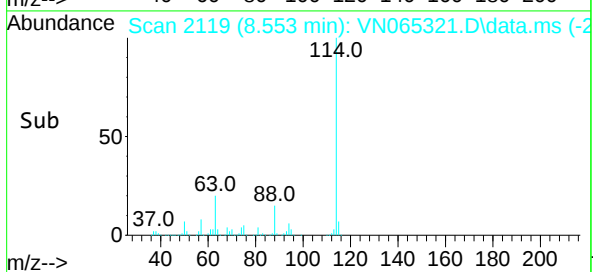
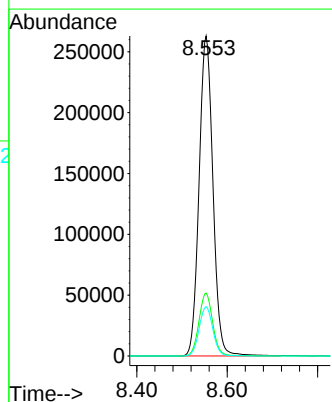
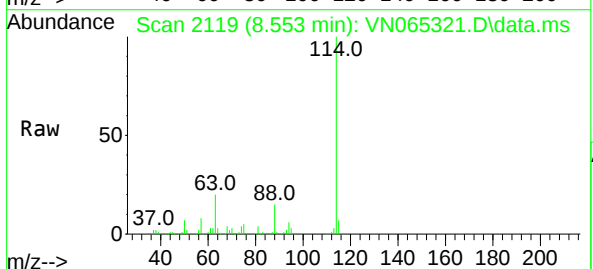
Instrument :
MSVOA_N
ClientSampled :

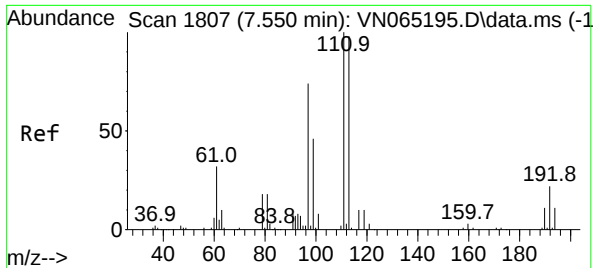
Tgt Ion: 65 Resp: 202487
Ion Ratio Lower Upper
65 100
67 53.0 0.0 108.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.003 min
Lab File: VN065321.D
Acq: 30 Dec 2020 15:32

Tgt Ion: 114 Resp: 559129
Ion Ratio Lower Upper
114 100
63 19.7 0.0 38.6
88 15.4 0.0 32.6

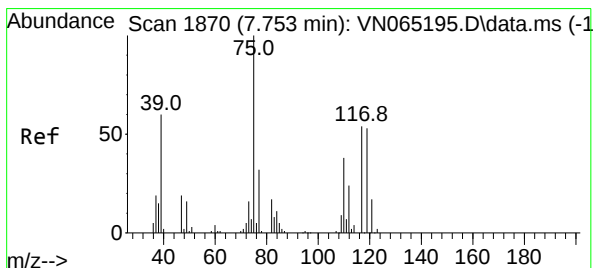
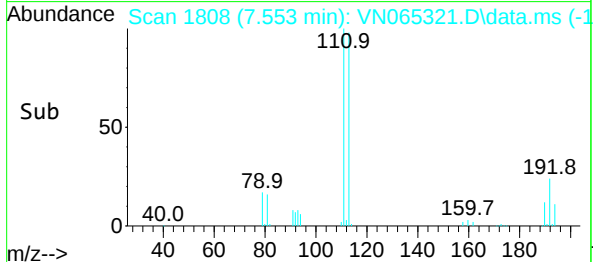
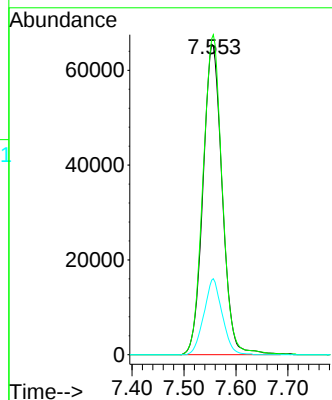
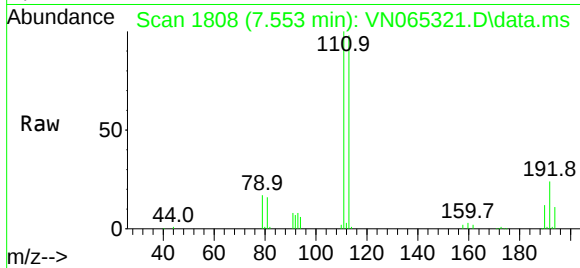




#35
Dibromofluoromethane
Concen: 49.79 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN065321.D
Acq: 30 Dec 2020 15:32

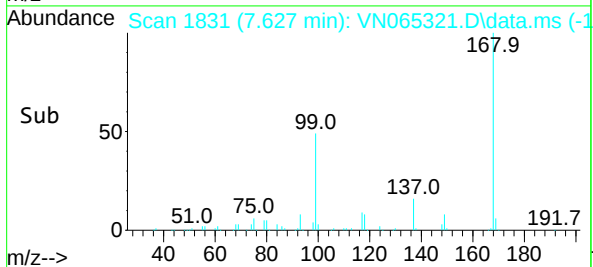
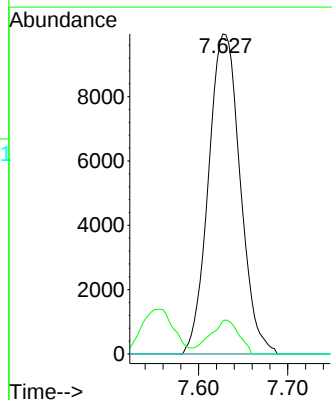
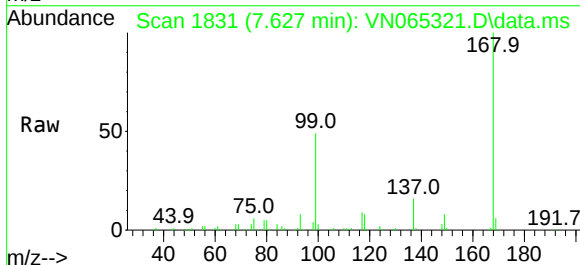
Instrument :
MSVOA_N
ClientSampleId :

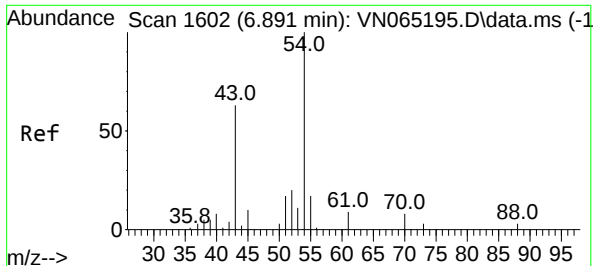
Tgt Ion:113 Resp: 167958
Ion Ratio Lower Upper
113 100
111 102.9 81.6 122.4
192 23.3 16.2 24.2



#36
1,1-Dichloropropene
Concen: 4.84 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN065321.D
Acq: 30 Dec 2020 15:32

Tgt Ion: 75 Resp: 24617
Ion Ratio Lower Upper
75 100
110 9.6 17.8 53.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 2.10 ug/l

RT: 6.814 min Scan# 1578

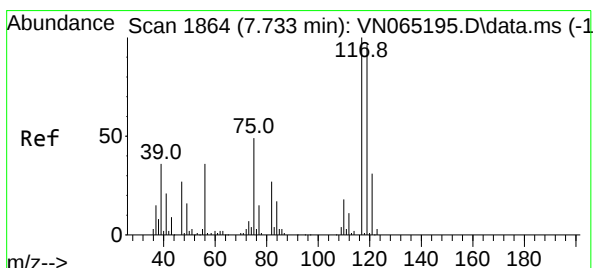
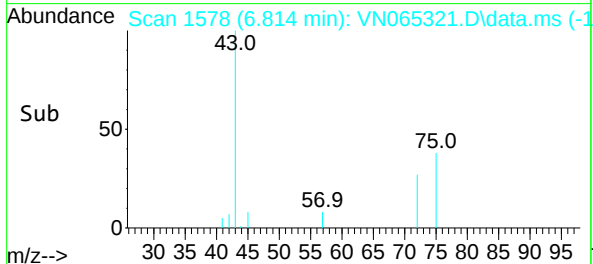
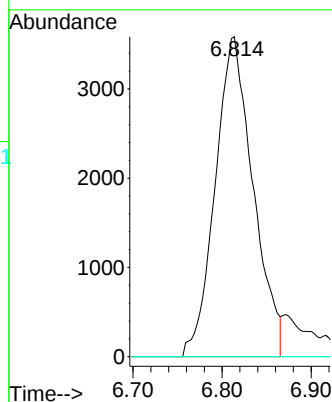
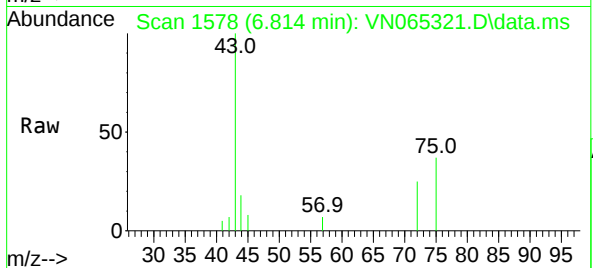
Delta R.T. -0.077 min

Lab File: VN065321.D

Acq: 30 Dec 2020 15:32

Tgt Ion: 43	Resp: 10601
Ion Ratio	Lower Upper
43 100	
61 0.0	12.8 19.2#
70 0.0	8.8 13.2#

Instrument :
MSVOA_N
ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.21 ug/l

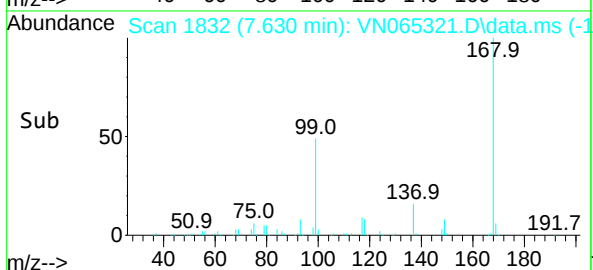
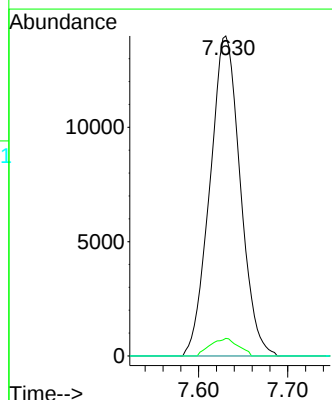
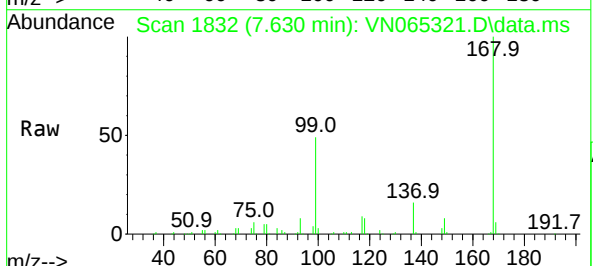
RT: 7.630 min Scan# 1832

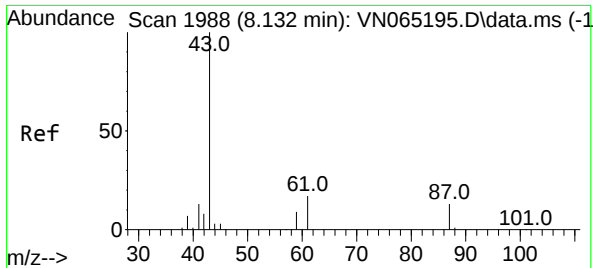
Delta R.T. -0.103 min

Lab File: VN065321.D

Acq: 30 Dec 2020 15:32

Tgt Ion: 117	Resp: 33137
Ion Ratio	Lower Upper
117 100	
119 5.5	76.7 115.1#
121 0.0	25.4 38.2#

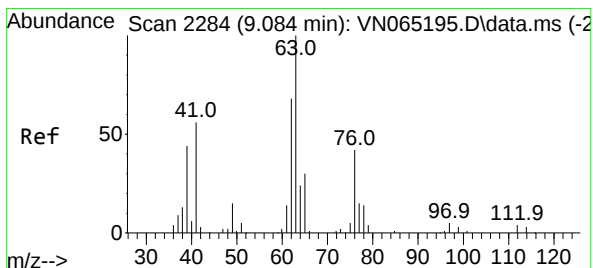
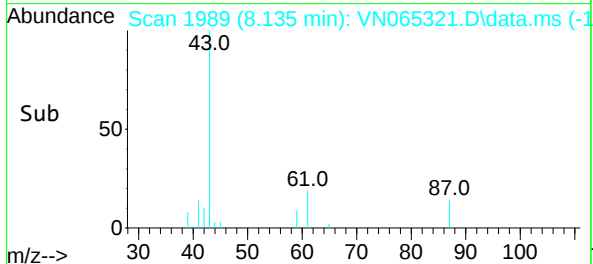
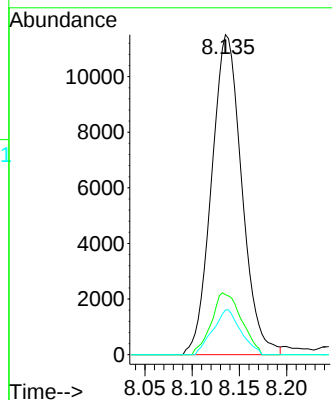
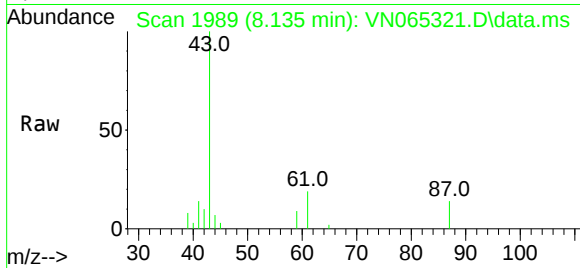




#43
Isopropyl Acetate
Concen: 2.95 ug/l
RT: 8.135 min Scan# 1989
Delta R.T. 0.003 min
Lab File: VN065321.D
Acq: 30 Dec 2020 15:32

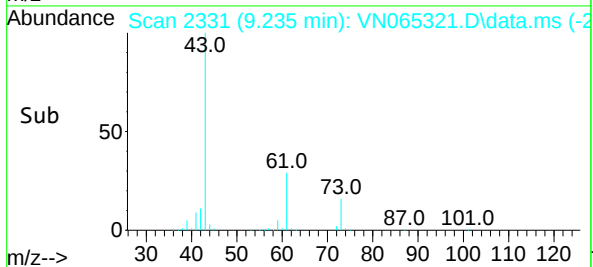
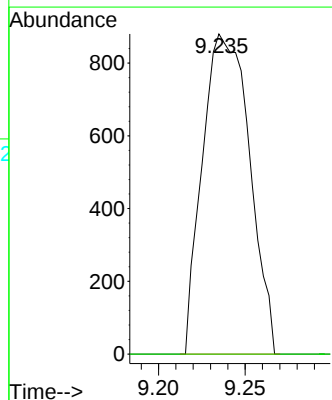
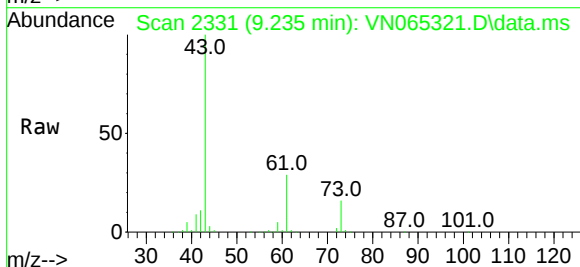
Instrument :
MSVOA_N
ClientSampled :

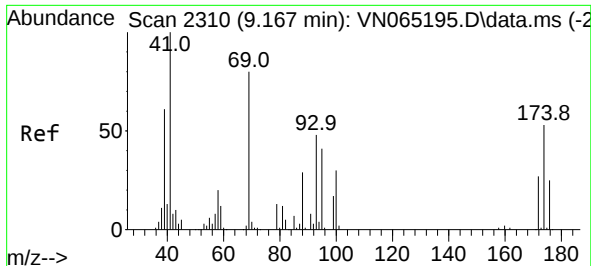
Tgt Ion:	43	Resp:	25604
Ion	Ratio	Lower	Upper
43	100		
61	19.2	17.2	25.8
87	12.9	11.4	17.0



#45
1,2-Dichloropropane
Concen: 0.42 ug/l
RT: 9.235 min Scan# 2331
Delta R.T. 0.151 min
Lab File: VN065321.D
Acq: 30 Dec 2020 15:32

Tgt Ion:	63	Resp:	1664
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.0	37.4#

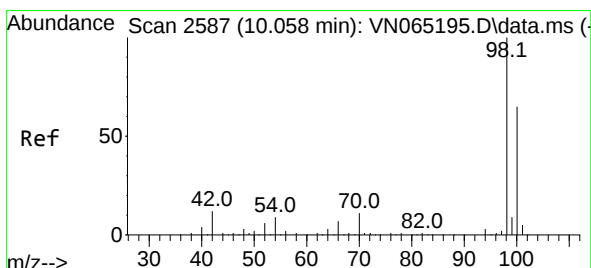
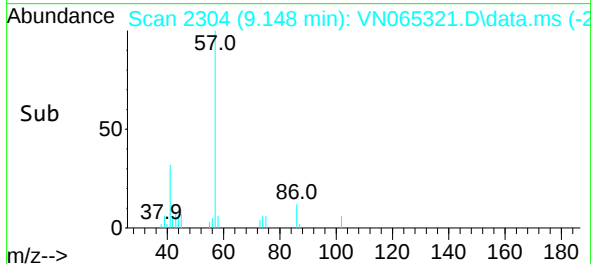
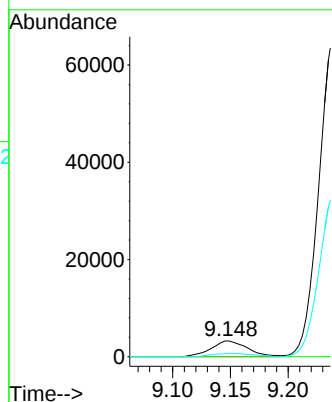
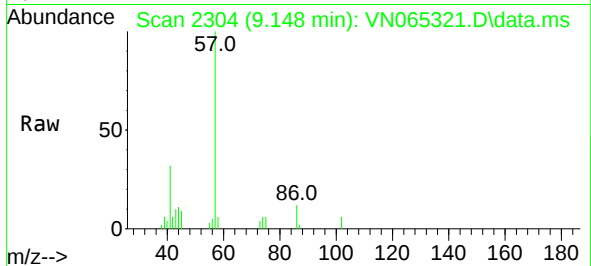




#48
Methyl methacrylate
Concen: 1.68 ug/l
RT: 9.148 min Scan# 2304
Delta R.T. -0.019 min
Lab File: VN065321.D
Acq: 30 Dec 2020 15:32

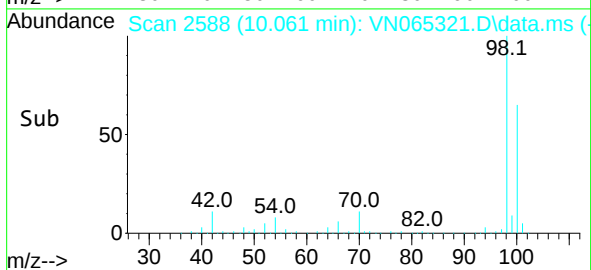
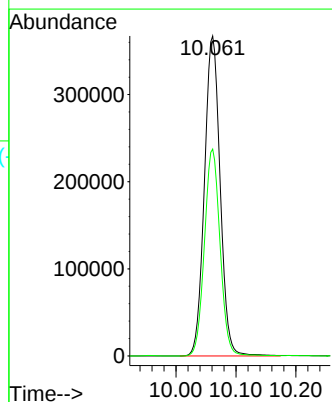
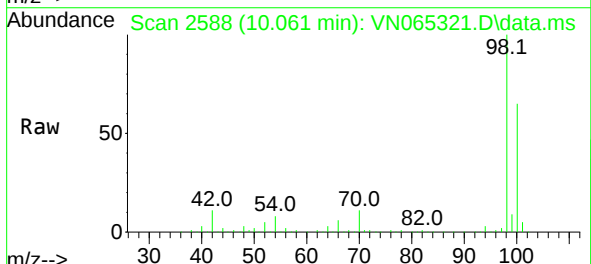
Instrument :
MSVOA_N
ClientSampled :

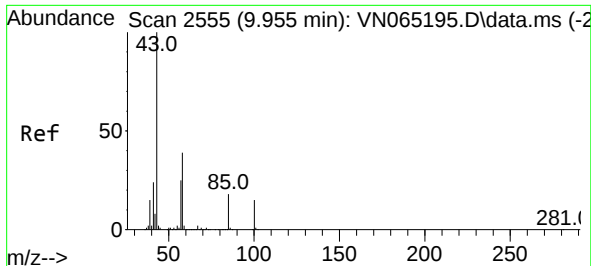
Tgt Ion: 41 Resp: 7066
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 0.0 44.1 66.1#



#50
Toluene-d8
Concen: 53.14 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065321.D
Acq: 30 Dec 2020 15:32

Tgt Ion: 98 Resp: 671868
Ion Ratio Lower Upper
98 100
100 64.4 51.7 77.5

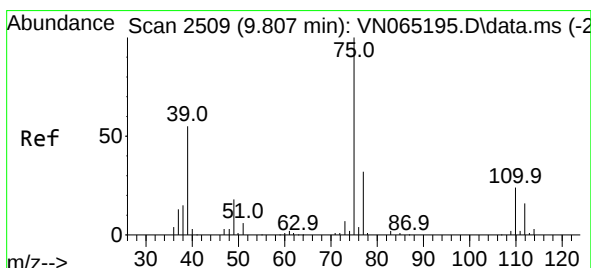
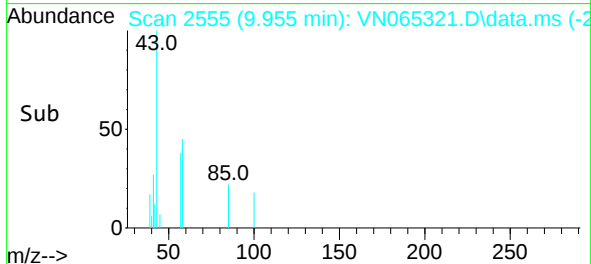
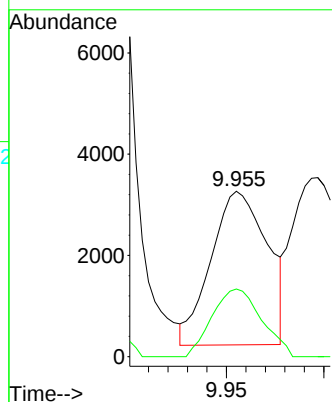
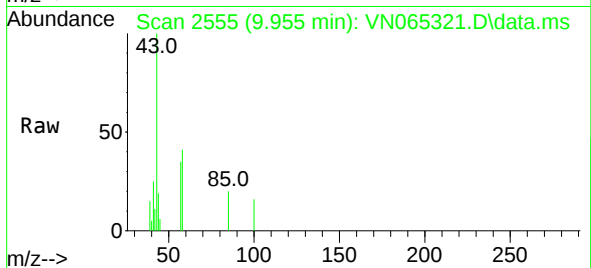




#51
4-Methyl-2-Pentanone
Concen: 1.25 ug/l
RT: 9.955 min Scan# 2555
Delta R.T. 0.000 min
Lab File: VN065321.D
Acq: 30 Dec 2020 15:32

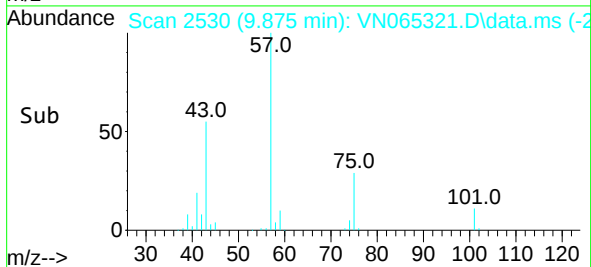
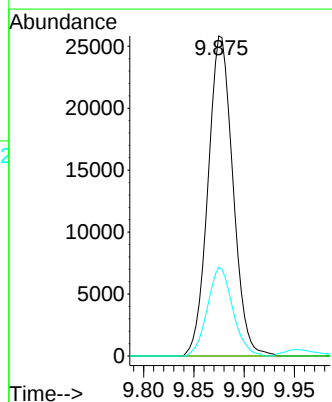
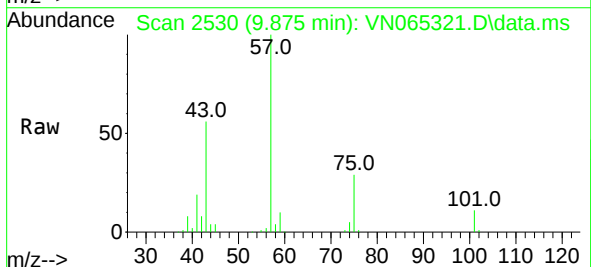
Instrument :
MSVOA_N
ClientSampled :

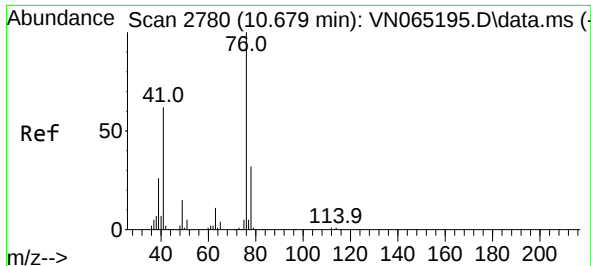
Tgt Ion: 43 Resp: 6103
Ion Ratio Lower Upper
43 100
58 38.7 32.4 48.6



#54
cis-1,3-Dichloropropene
Concen: 6.59 ug/l
RT: 9.875 min Scan# 2530
Delta R.T. 0.068 min
Lab File: VN065321.D
Acq: 30 Dec 2020 15:32

Tgt Ion: 75 Resp: 44449
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#
39 27.6 35.6 53.4#

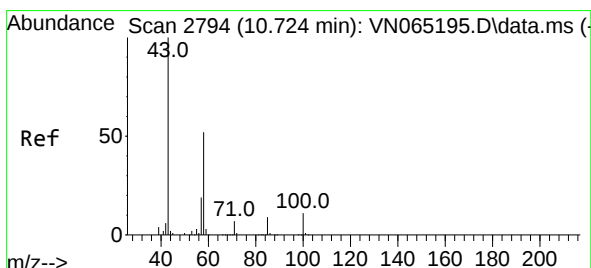
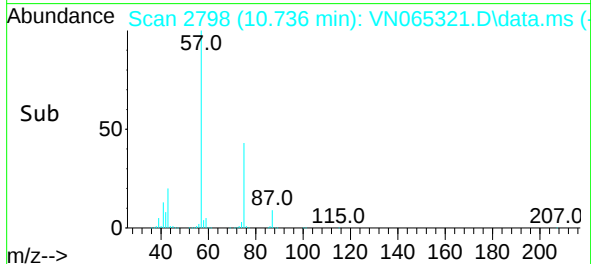
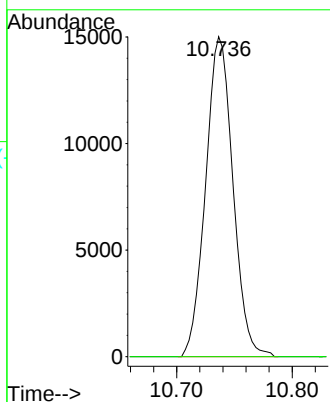
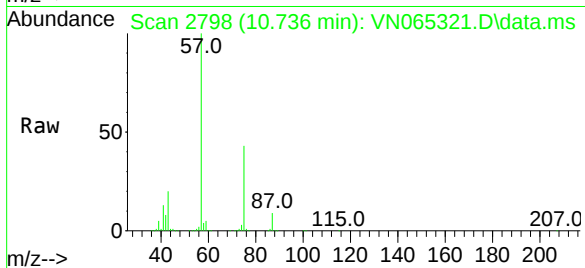




#57
1,3-Dichloropropane
Concen: 3.96 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.057 min
Lab File: VN065321.D
Acq: 30 Dec 2020 15:32

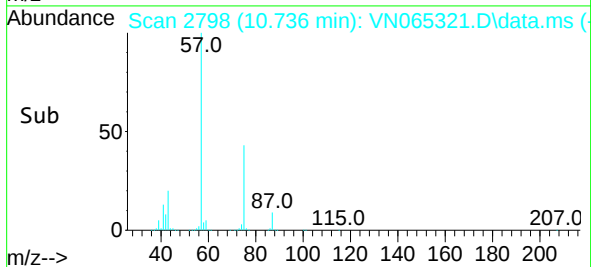
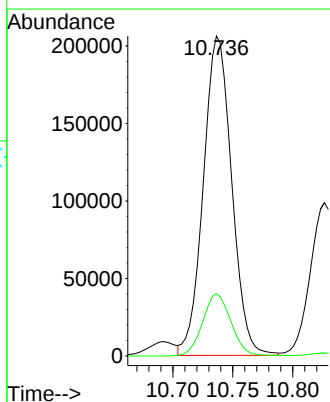
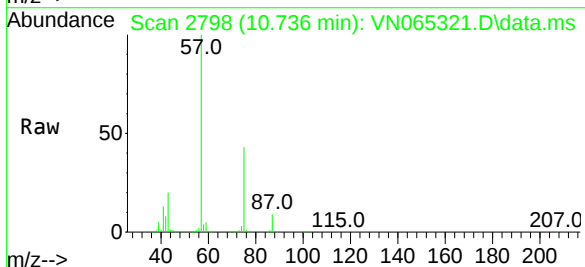
Instrument :
MSVOA_N
ClientSampleId :

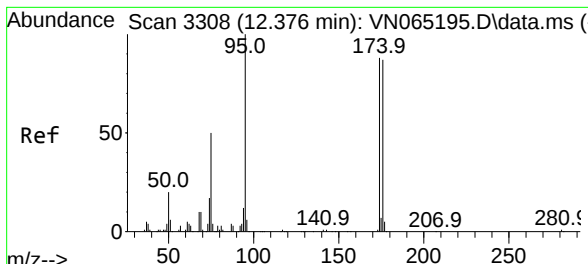
Tgt Ion: 76 Resp: 24669
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 94.41 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.012 min
Lab File: VN065321.D
Acq: 30 Dec 2020 15:32

Tgt Ion: 43 Resp: 338923
Ion Ratio Lower Upper
43 100
58 19.5 28.3 84.9#

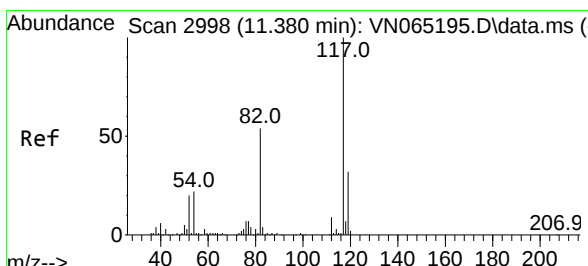
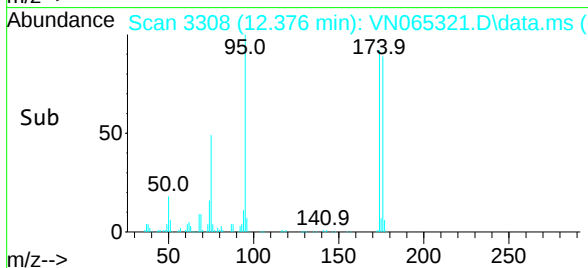
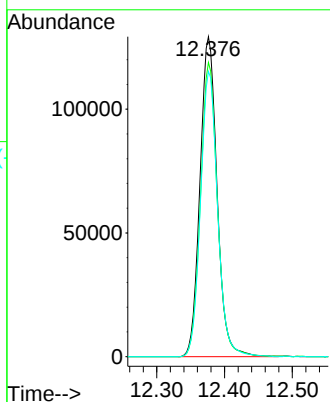
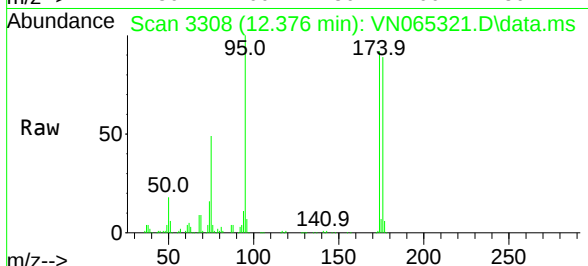




#62
4-Bromofluorobenzene
Concen: 45.74 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065321.D
Acq: 30 Dec 2020 15:32

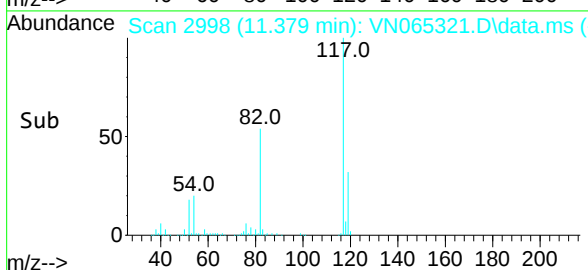
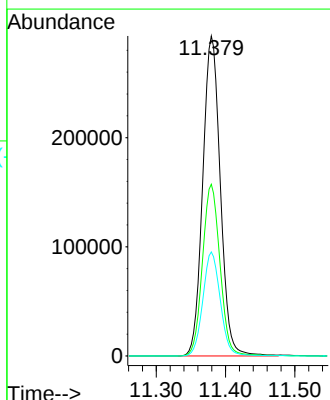
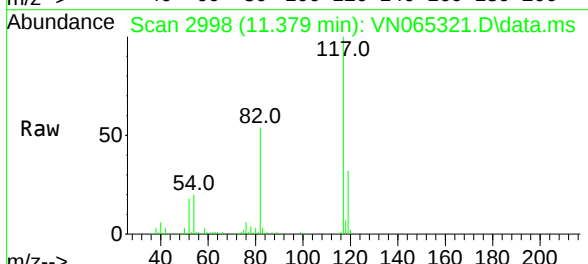
Instrument :
MSVOA_N
ClientSampleId :

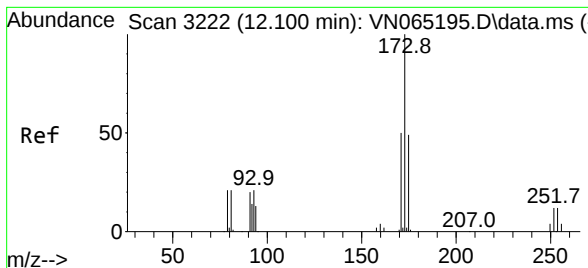
Tgt Ion:	95	Resp:	226280
Ion Ratio	Lower	Upper	
95	100		
174	91.3	0.0	160.4
176	89.1	0.0	158.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.379 min Scan# 2998
Delta R.T. -0.001 min
Lab File: VN065321.D
Acq: 30 Dec 2020 15:32

Tgt Ion:	117	Resp:	516172
Ion Ratio	Lower	Upper	
117	100		
82	53.6	44.2	66.2
119	32.5	25.8	38.6

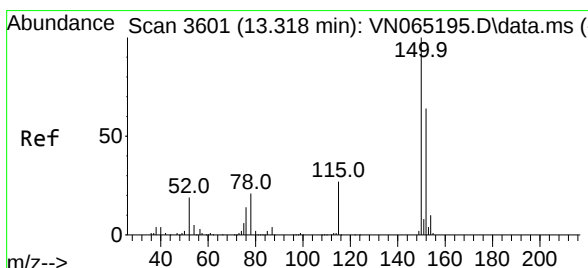
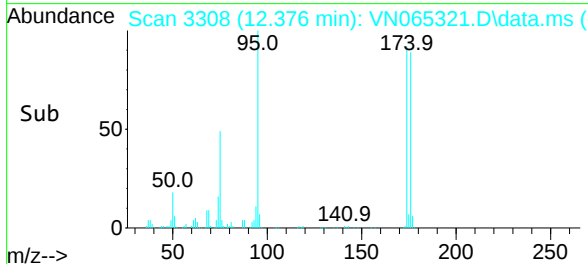
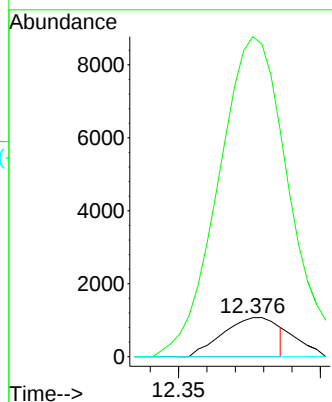
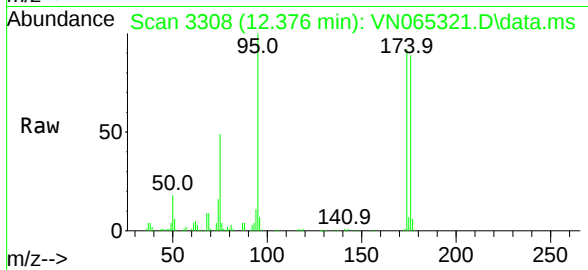




#71
Bromoform
Concen: 0.41 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.276 min
Lab File: VN065321.D
Acq: 30 Dec 2020 15:32

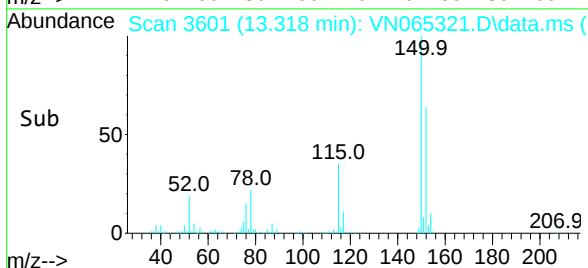
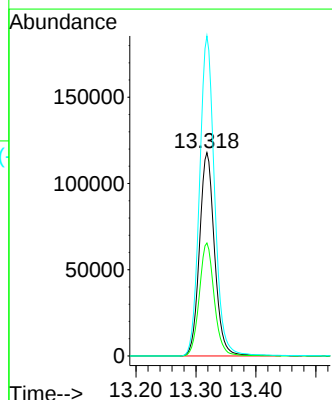
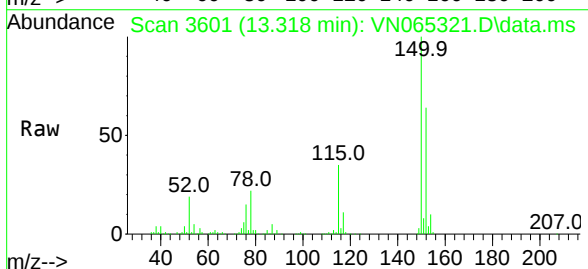
Instrument :
MSVOA_N
ClientSampled :

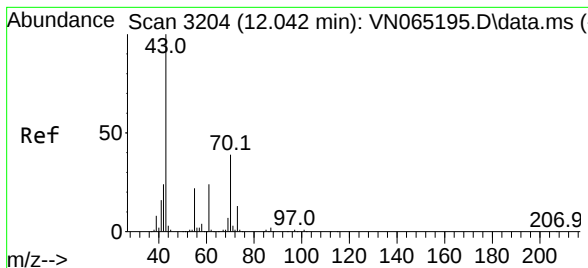
Tgt Ion:173 Resp: 1441
Ion Ratio Lower Upper
173 100
175 869.3 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.318 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN065321.D
Acq: 30 Dec 2020 15:32

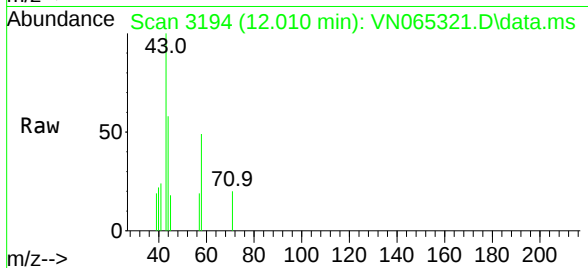
Tgt Ion:152 Resp: 206689
Ion Ratio Lower Upper
152 100
115 54.9 29.7 89.1
150 156.9 0.0 350.6



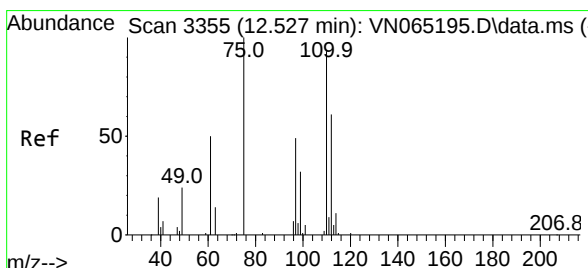
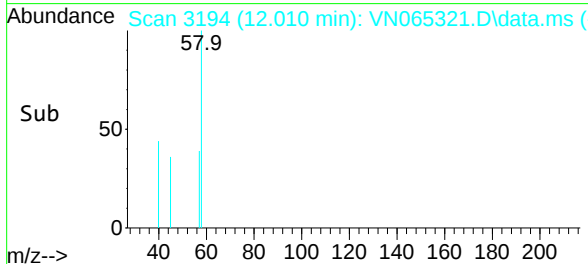
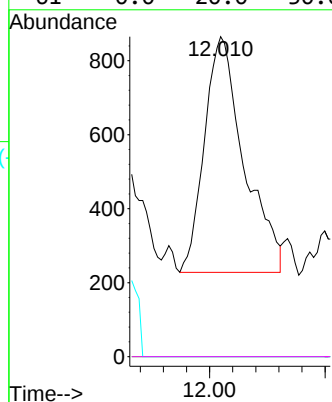


#74
N-amy1 acetate
Concen: 0.24 ug/l
RT: 12.010 min Scan# 3194
Delta R.T. -0.032 min
Lab File: VN065321.D
Acq: 30 Dec 2020 15:32

Instrument :
MSVOA_N
ClientSampled :

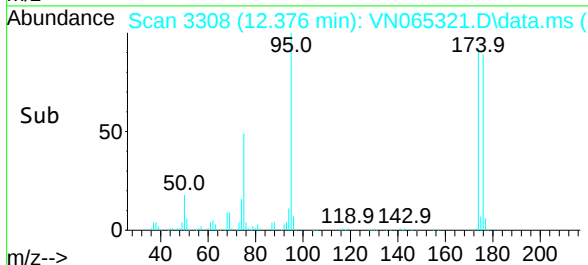
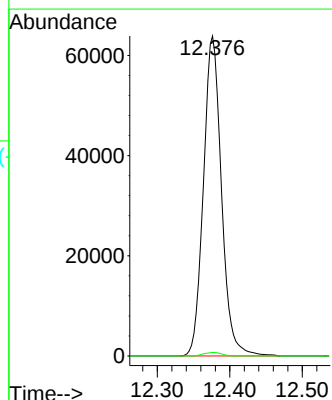
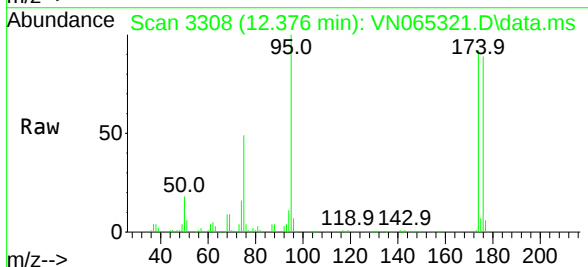


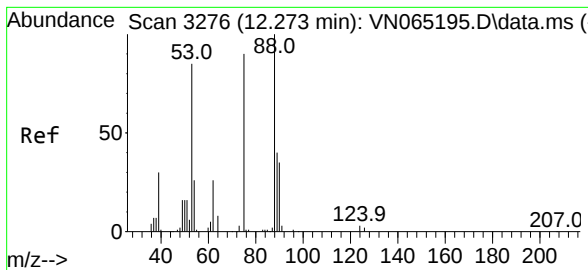
Tgt Ion:	43	Resp:	1520
Ion Ratio	Lower	Upper	
43	100		
70	0.0	34.5	51.7#
55	0.0	20.4	30.6#
61	0.0	20.0	30.0#



#76
1,2,3-Trichloropropane
Concen: 26.22 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065321.D
Acq: 30 Dec 2020 15:32

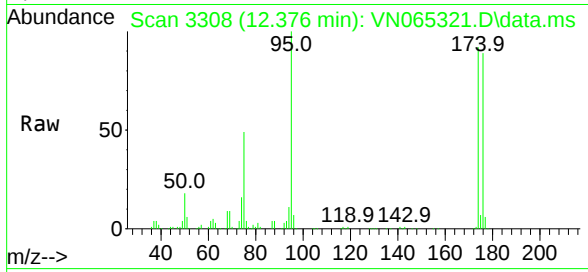
Tgt Ion:	75	Resp:	110571
Ion Ratio	Lower	Upper	
75	100		
77	1.1	0.0	0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.12 ug/l
 RT: 12.376 min Scan# 3308
 Delta R.T. 0.103 min
 Lab File: VN065321.D
 Acq: 30 Dec 2020 15:32

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	110571
Ion	Ratio	Lower	Upper
75	100		
53	0.0	67.0	100.4#
89	0.0	39.6	59.4#

