

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122420\
 Data File : VN065264.D
 Acq On : 24 Dec 2020 16:17
 Operator : JC/MD
 Sample : L5189-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 25 02:39:05 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)

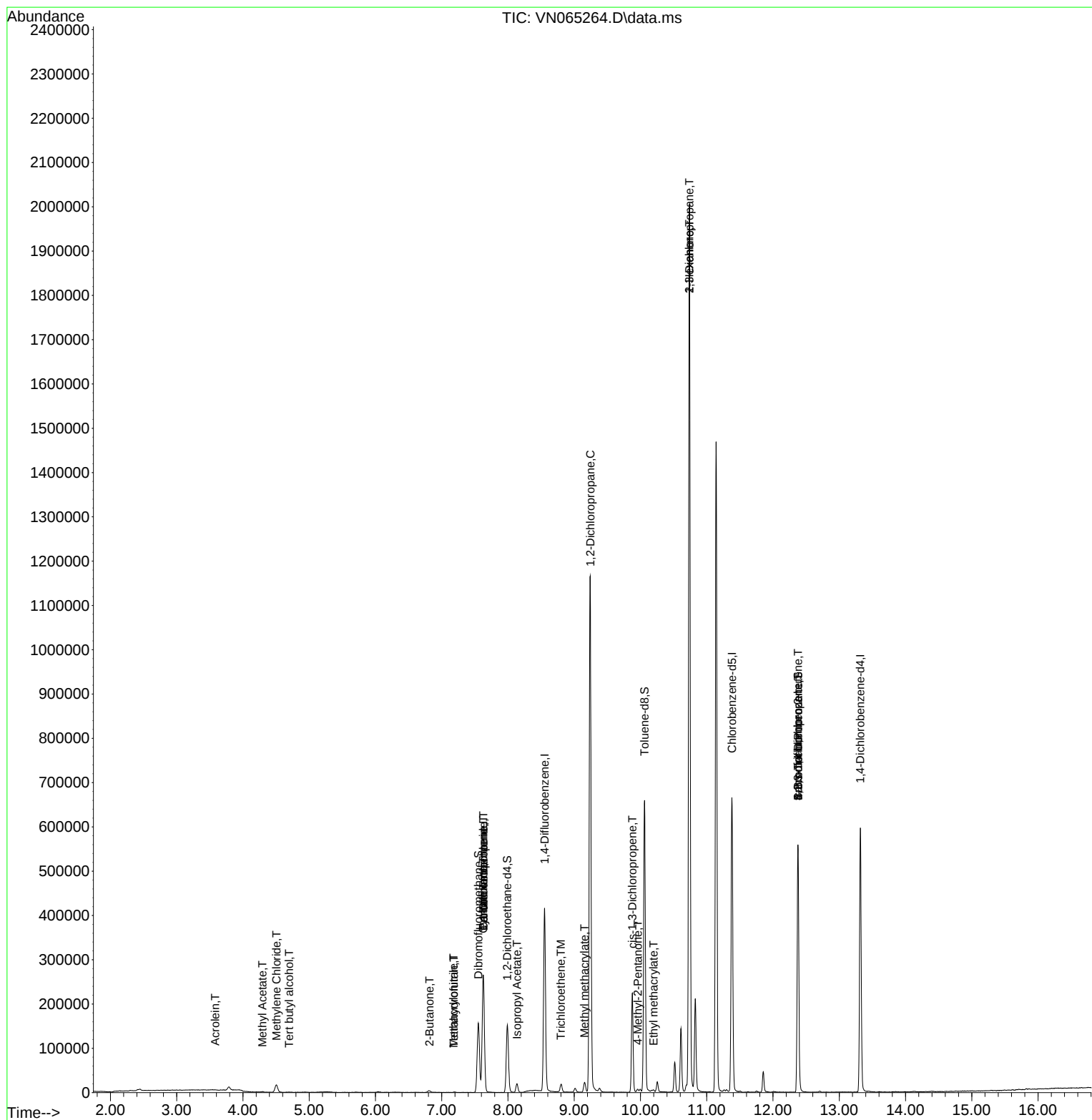
Internal Standards						
1) Pentafluorobenzene	7.627	168	235784	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	382310	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	399259	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	175985	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	135629	50.95	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.90%			
35) Dibromofluoromethane	7.553	113	119000	51.59	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 103.18%			
50) Toluene-d8	10.061	98	468056	54.14	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 108.28%			
62) 4-Bromofluorobenzene	12.376	95	192365	55.63	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 111.26%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.695	59	89	0.20	ug/l #	73
13) Acrolein	3.583	56	61	2.62	ug/l #	1
16) Acetone	3.785	43	11984	Below Cal		94
18) Methyl Acetate	4.293	43	2904	1.22	ug/l #	54
20) Methylene Chloride	4.505	84	12650	4.87	ug/l	97
25) 2-Butanone	6.814	43	2489	1.67	ug/l #	49
29) Tetrahydrofuran	7.184	42	418	0.43	ug/l #	32
31) Cyclohexane	7.624	56	4330	1.10	ug/l #	1
36) 1,1-Dichloropropene	7.627	75	15292	4.40	ug/l #	50
38) Carbon Tetrachloride	7.627	117	20493	5.61	ug/l #	15
41) Methacrylonitrile	7.180	41	449	0.25	ug/l #	25
43) Isopropyl Acetate	8.135	43	24249	4.08	ug/l	94
44) Trichloroethene	8.801	130	7153	2.40	ug/l	98
45) 1,2-Dichloropropane	9.245	63	1425	0.53	ug/l #	43
48) Methyl methacrylate	9.155	41	5866	2.03	ug/l #	12
51) 4-Methyl-2-Pentanone	9.958	43	4526	1.36	ug/l	96
54) cis-1,3-Dichloropropene	9.878	75	40611	8.81	ug/l #	63
56) Ethyl methacrylate	10.200	69	2998	0.75	ug/l #	80
57) 1,3-Dichloropropane	10.737	76	21195	4.98	ug/l #	42
59) 2-Hexanone	10.737	43	300045	122.24	ug/l #	48
71) Bromoform	12.376	173	1060	0.39	ug/l #	1
76) 1,2,3-Trichloropropane	12.376	75	97133	27.05	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.376	75	97133	68.22	ug/l #	15

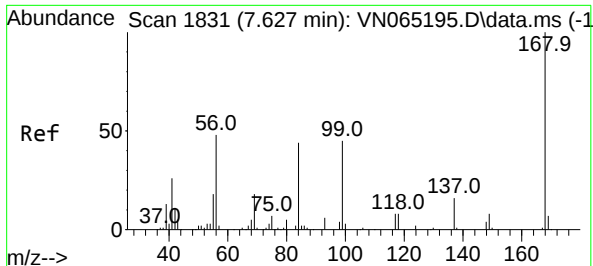
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 22 15:42:18 2020
Response via : Initial Calibration

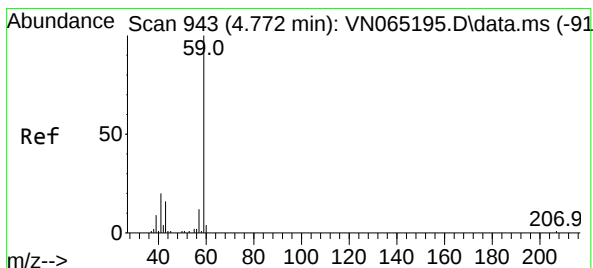
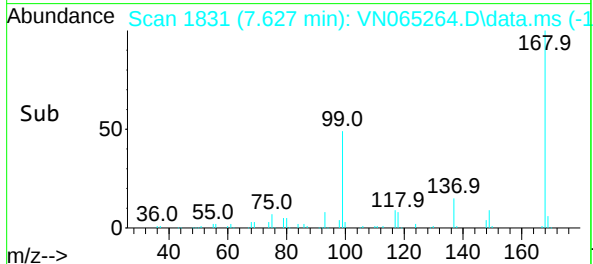
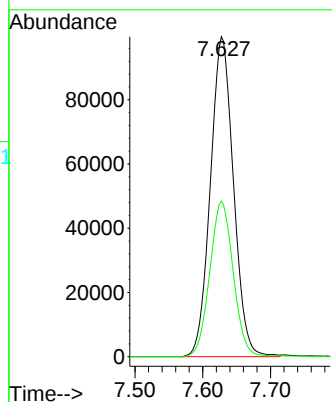
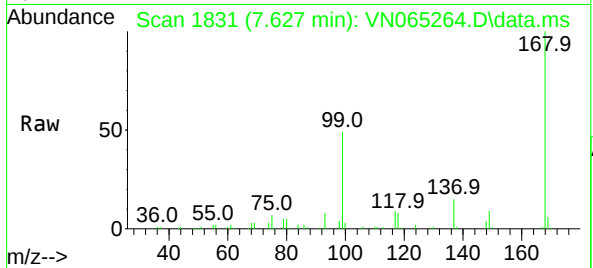




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN065264.D
Acq: 24 Dec 2020 16:17

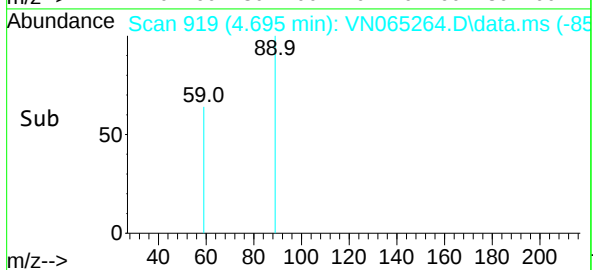
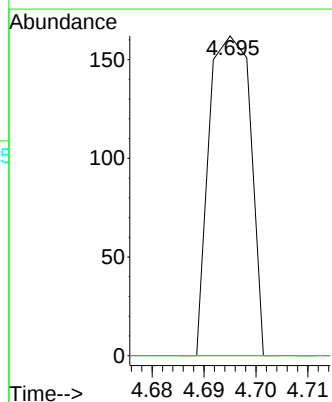
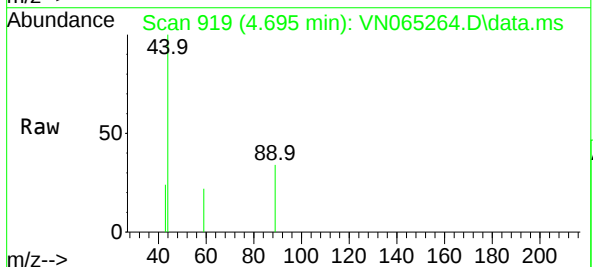
Instrument :
MSVOA_N
ClientSampled :

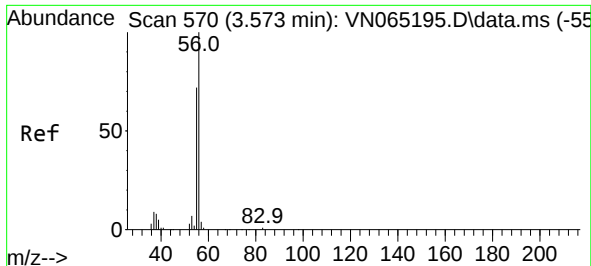
Tgt Ion:168 Resp: 235784
Ion Ratio Lower Upper
168 100
99 48.7 43.0 64.4



#11
Tert butyl alcohol
Concen: 0.20 ug/l
RT: 4.695 min Scan# 919
Delta R.T. -0.077 min
Lab File: VN065264.D
Acq: 24 Dec 2020 16:17

Tgt Ion: 59 Resp: 89
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

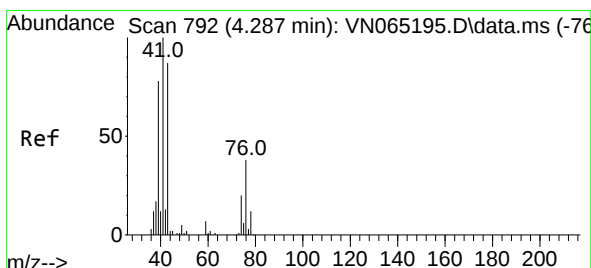
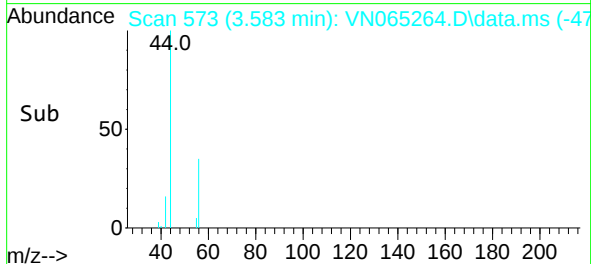
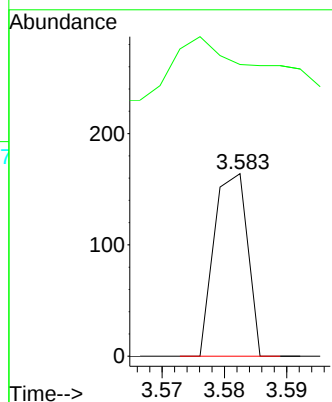
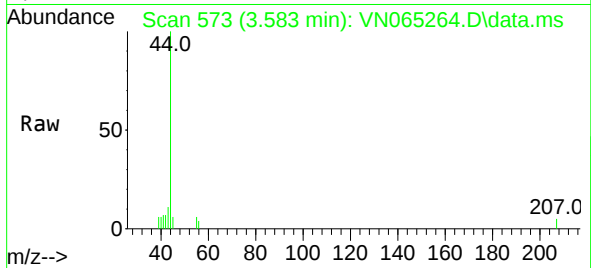




#13
Acrolein
Concen: 2.62 ug/l
RT: 3.583 min Scan# 573
Delta R.T. 0.010 min
Lab File: VN065264.D
Acq: 24 Dec 2020 16:17

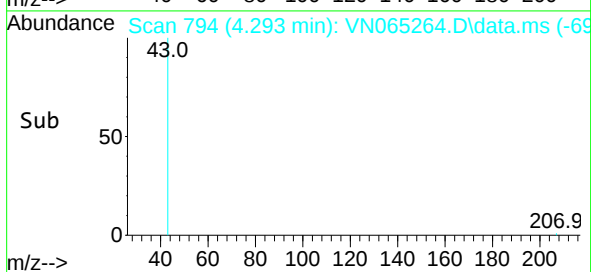
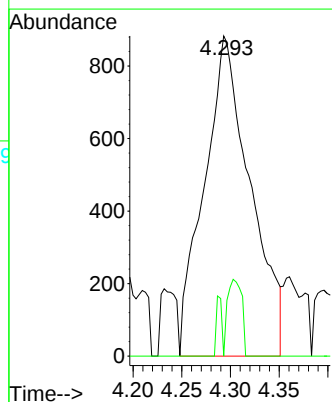
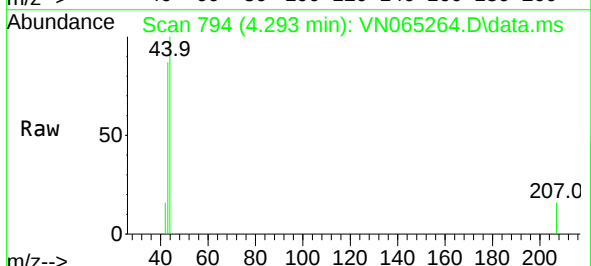
Instrument :
MSVOA_N
ClientSampled :

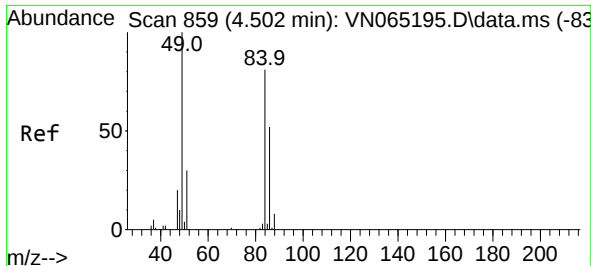
Tgt Ion: 56 Resp: 61
Ion Ratio Lower Upper
56 100
55 154.1 56.5 84.7#



#18
Methyl Acetate
Concen: 1.22 ug/l
RT: 4.293 min Scan# 794
Delta R.T. 0.006 min
Lab File: VN065264.D
Acq: 24 Dec 2020 16:17

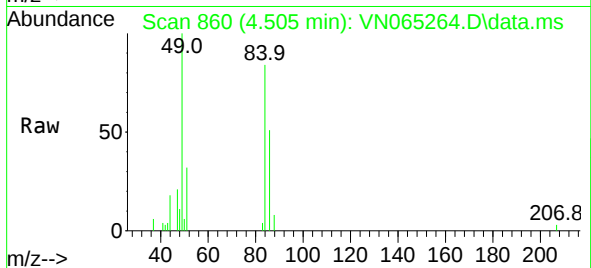
Tgt Ion: 43 Resp: 2904
Ion Ratio Lower Upper
43 100
74 2.2 20.2 30.2#



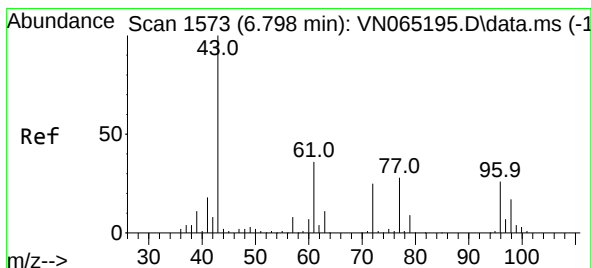
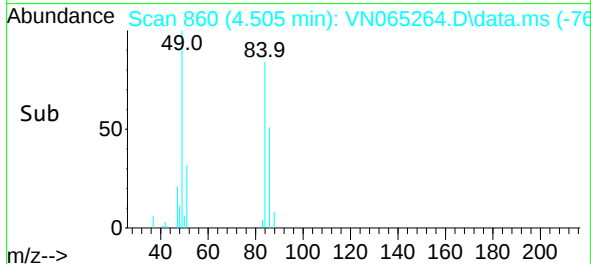
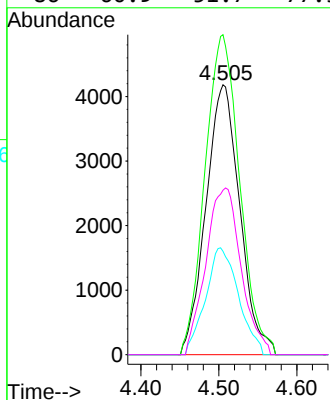


#20
Methylene Chloride
Concen: 4.87 ug/l
RT: 4.505 min Scan# 860
Delta R.T. 0.003 min
Lab File: VN065264.D
Acq: 24 Dec 2020 16:17

Instrument :
MSVOA_N
ClientSampled :

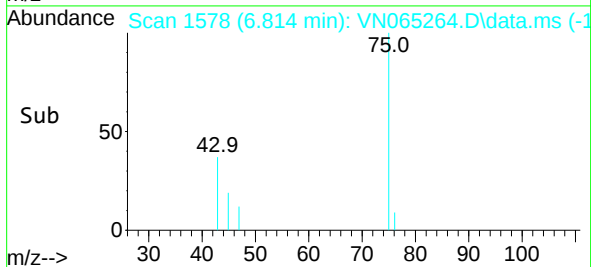
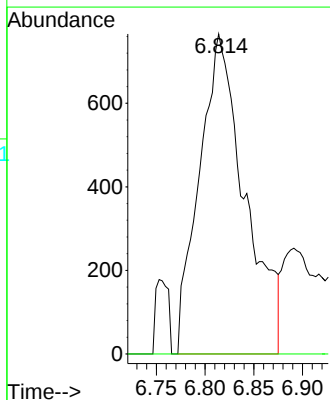
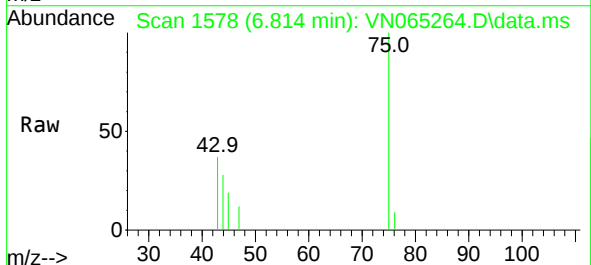


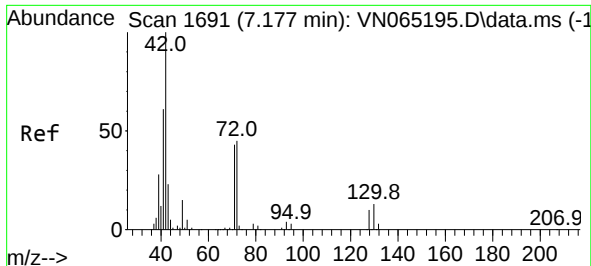
Tgt Ion:	84	Resp:	12650
Ion	Ratio	Lower	Upper
84	100		
49	118.6	93.4	140.0
51	38.3	28.2	42.4
86	60.9	51.7	77.5



#25
2-Butanone
Concen: 1.67 ug/l
RT: 6.814 min Scan# 1578
Delta R.T. 0.016 min
Lab File: VN065264.D
Acq: 24 Dec 2020 16:17

Tgt Ion:	43	Resp:	2489
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.0	31.6#





#29

Tetrahydrofuran

Concen: 0.43 ug/l

RT: 7.184 min Scan# 1693

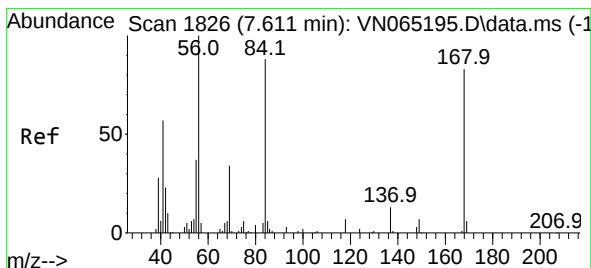
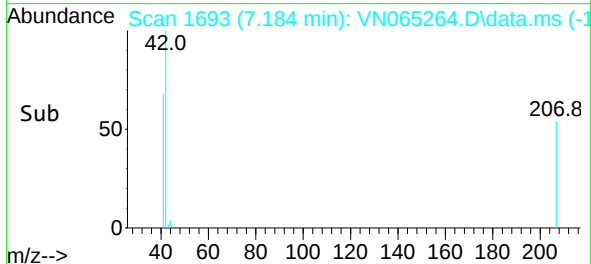
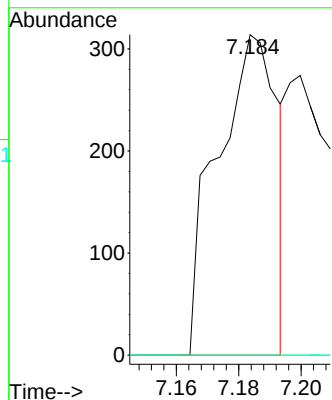
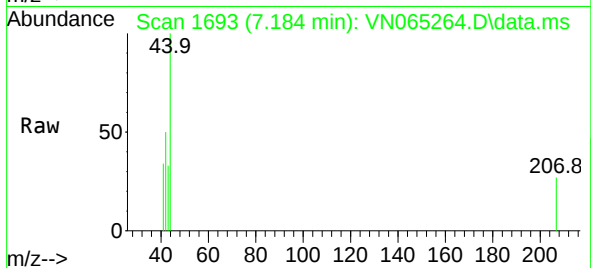
Delta R.T. 0.007 min

Lab File: VN065264.D

Acq: 24 Dec 2020 16:17

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:	42	Resp:	418
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.6	54.8#
71	0.0	33.6	50.4#



#31

Cyclohexane

Concen: 1.10 ug/l

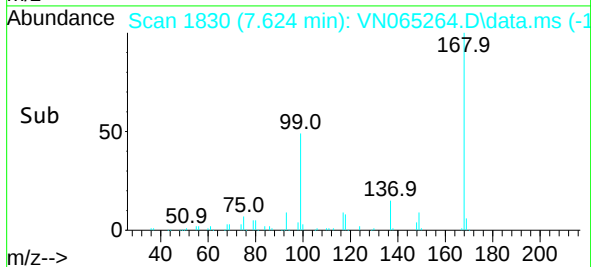
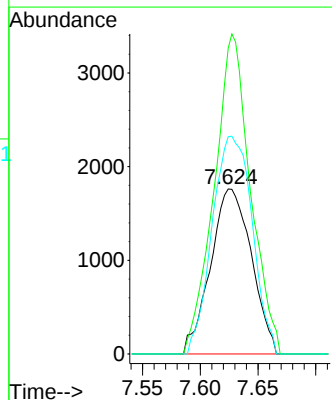
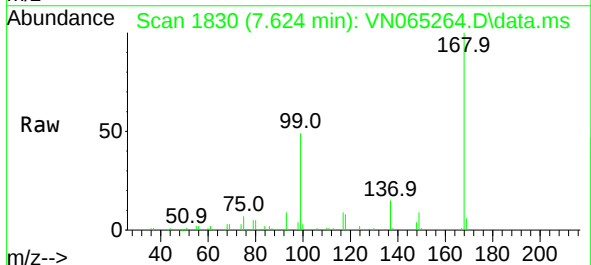
RT: 7.624 min Scan# 1830

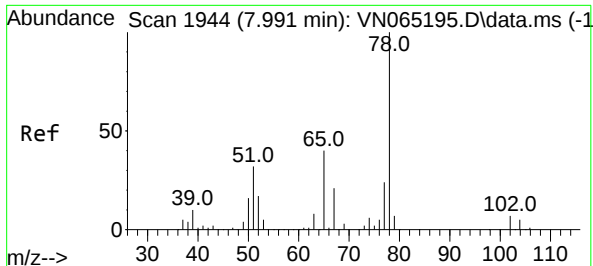
Delta R.T. 0.013 min

Lab File: VN065264.D

Acq: 24 Dec 2020 16:17

Tgt Ion:	56	Resp:	4330
Ion	Ratio	Lower	Upper
56	100		
69	185.3	27.5	41.3#
84	131.7	73.9	110.9#

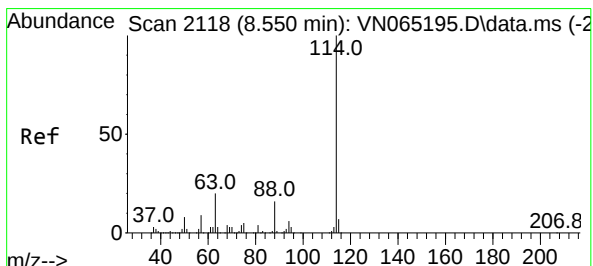
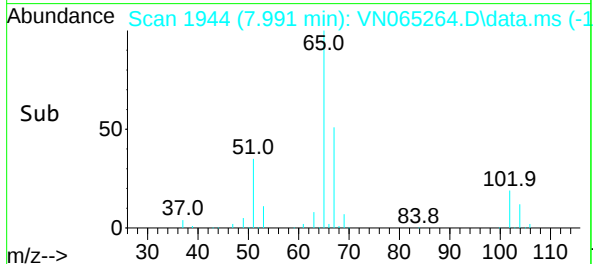
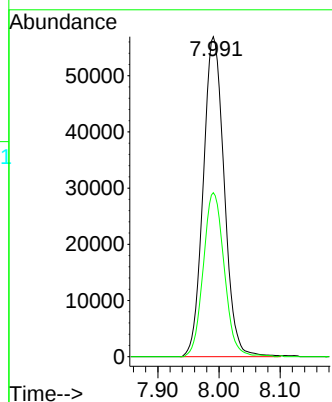
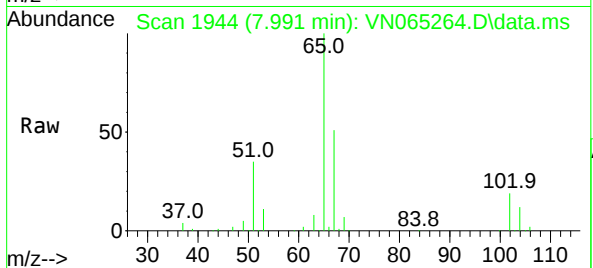




#33
1,2-Dichloroethane-d4
Concen: 50.95 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VN065264.D
Acq: 24 Dec 2020 16:17

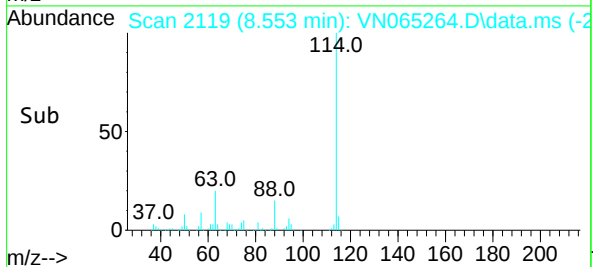
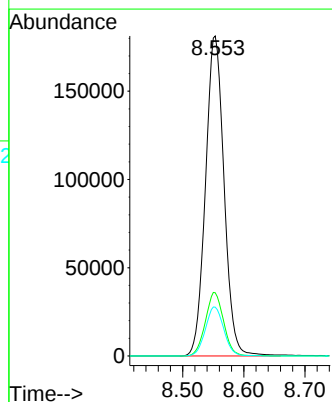
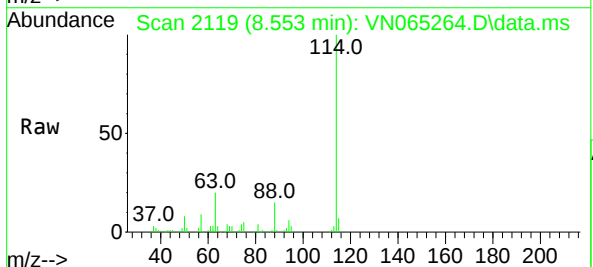
Instrument :
MSVOA_N
ClientSampleId :

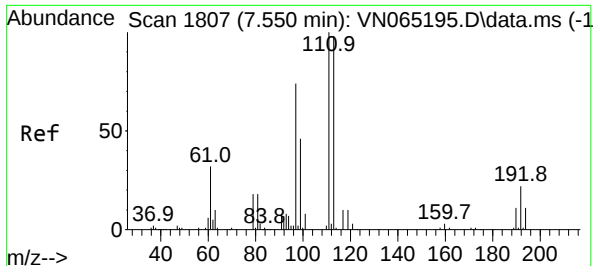
Tgt Ion: 65 Resp: 135629
Ion Ratio Lower Upper
65 100
67 51.0 0.0 108.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.003 min
Lab File: VN065264.D
Acq: 24 Dec 2020 16:17

Tgt Ion: 114 Resp: 382310
Ion Ratio Lower Upper
114 100
63 19.7 0.0 38.6
88 15.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.59 ug/l

RT: 7.553 min Scan# 1808

Delta R.T. 0.003 min

Lab File: VN065264.D

Acq: 24 Dec 2020 16:17

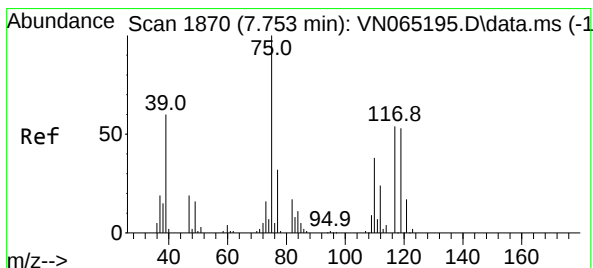
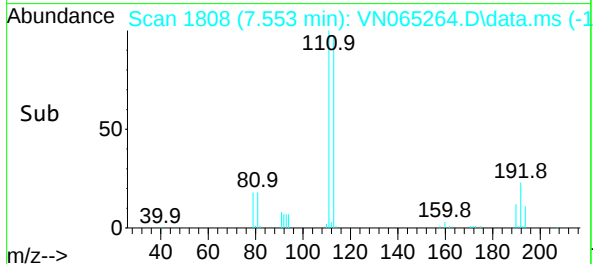
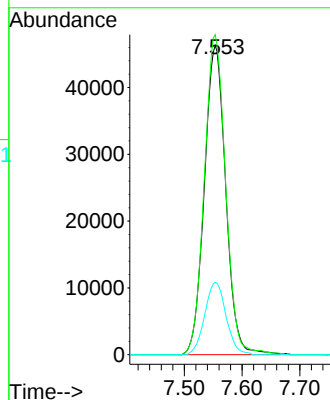
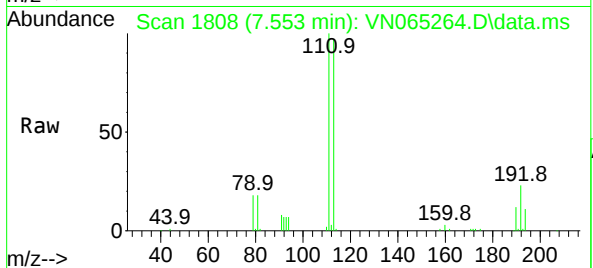
Tgt Ion:113 Resp: 119000

Ion Ratio Lower Upper

113 100

111 102.4 81.6 122.4

192 23.3 16.2 24.2



#36

1,1-Dichloropropene

Concen: 4.40 ug/l

RT: 7.627 min Scan# 1831

Delta R.T. -0.126 min

Lab File: VN065264.D

Acq: 24 Dec 2020 16:17

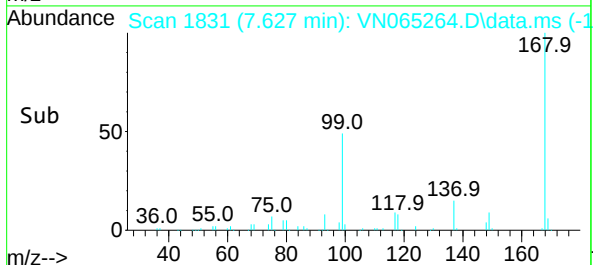
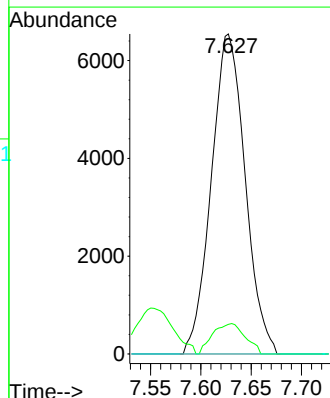
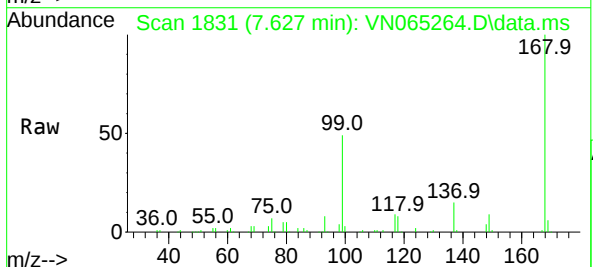
Tgt Ion: 75 Resp: 15292

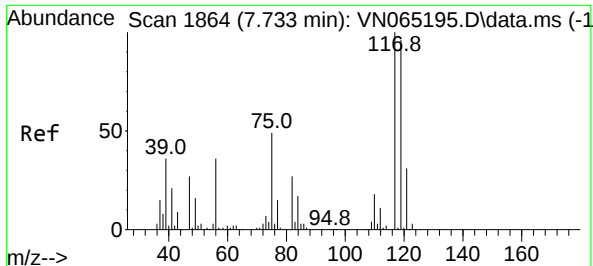
Ion Ratio Lower Upper

75 100

110 9.2 17.8 53.3#

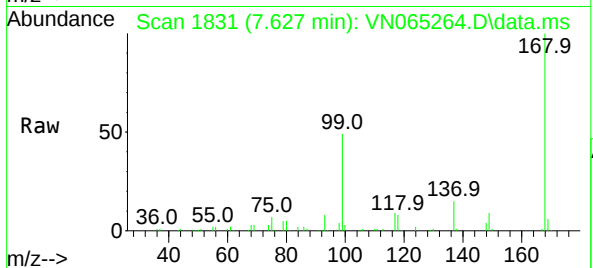
77 0.0 25.0 37.4#



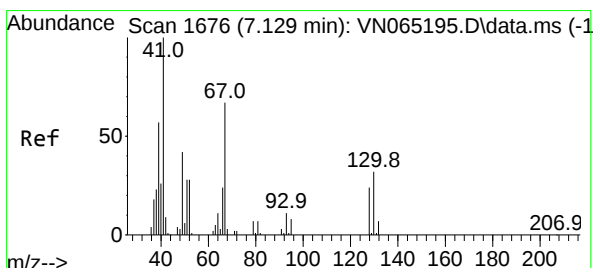
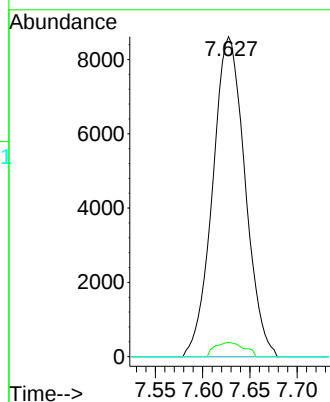
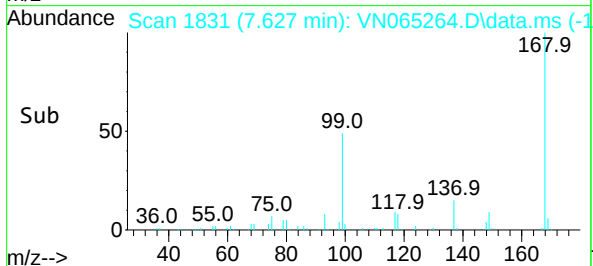


#38
Carbon Tetrachloride
Concen: 5.61 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.106 min
Lab File: VN065264.D
Acq: 24 Dec 2020 16:17

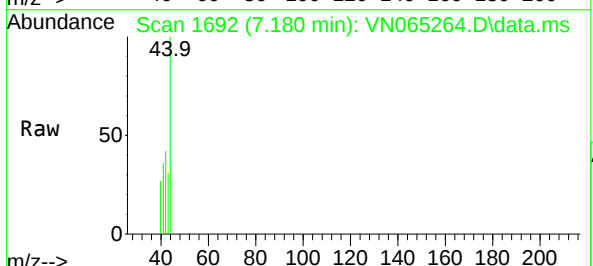
Instrument :
MSVOA_N
ClientSampleId :



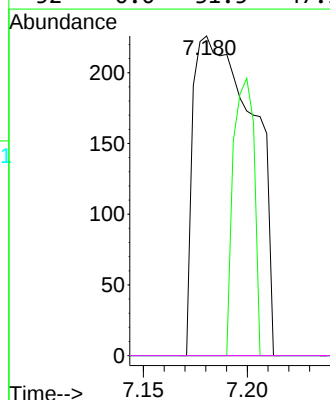
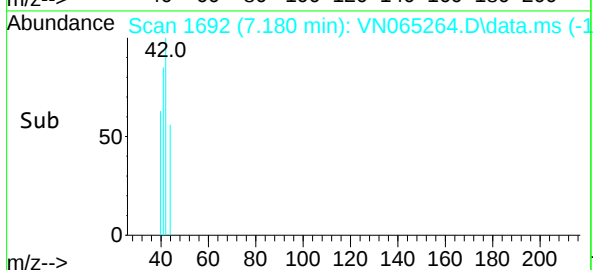
Tgt Ion:117 Resp: 20493
Ion Ratio Lower Upper
117 100
119 4.5 76.7 115.1#
121 0.0 25.4 38.2#

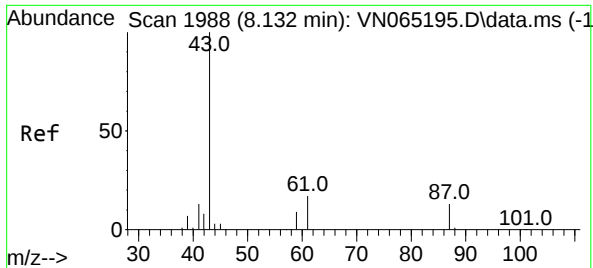


#41
Methacrylonitrile
Concen: 0.25 ug/l
RT: 7.180 min Scan# 1692
Delta R.T. 0.051 min
Lab File: VN065264.D
Acq: 24 Dec 2020 16:17



Tgt Ion: 41 Resp: 449
Ion Ratio Lower Upper
41 100
39 30.1 51.0 76.6#
67 0.0 79.8 119.8#
52 0.0 31.5 47.3#

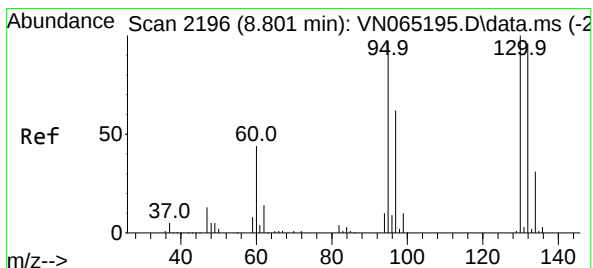
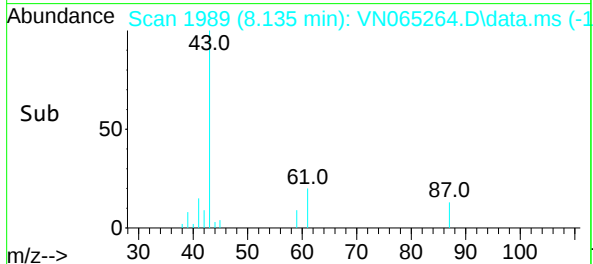
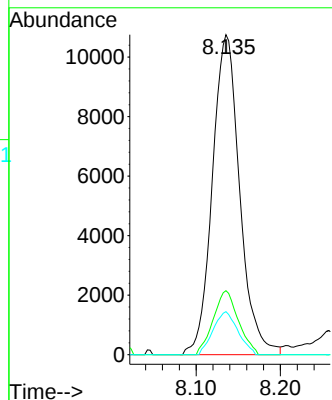
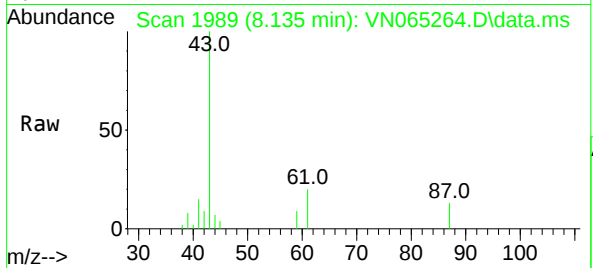




#43
Isopropyl Acetate
Concen: 4.08 ug/l
RT: 8.135 min Scan# 1989
Delta R.T. 0.003 min
Lab File: VN065264.D
Acq: 24 Dec 2020 16:17

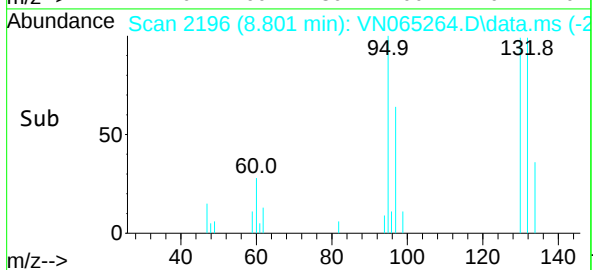
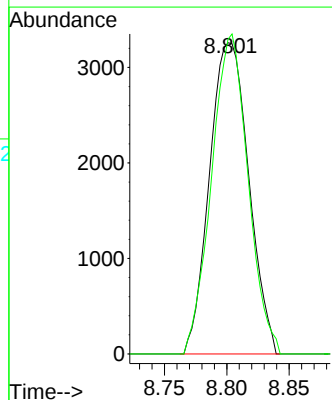
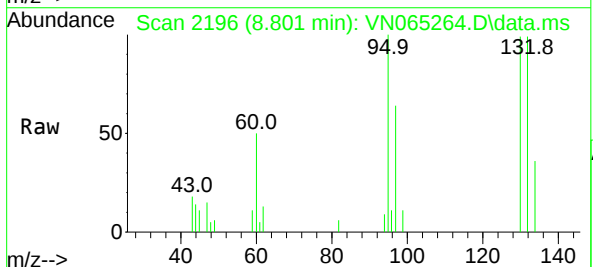
Instrument :
MSVOA_N
ClientSampled :

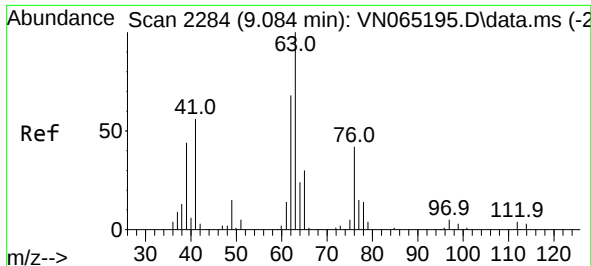
Tgt Ion: 43	Resp: 24249
Ion Ratio	Lower Upper
43 100	
61 18.4	17.2 25.8
87 12.2	11.4 17.0



#44
Trichloroethene
Concen: 2.40 ug/l
RT: 8.801 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VN065264.D
Acq: 24 Dec 2020 16:17

Tgt Ion:130	Resp:	7153	
Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	197.8

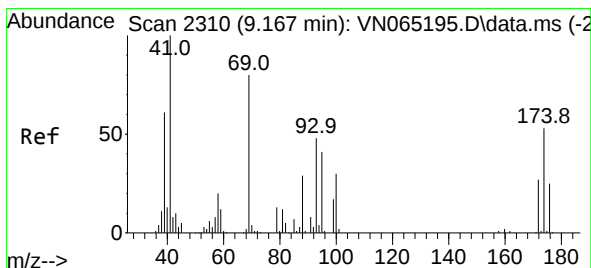
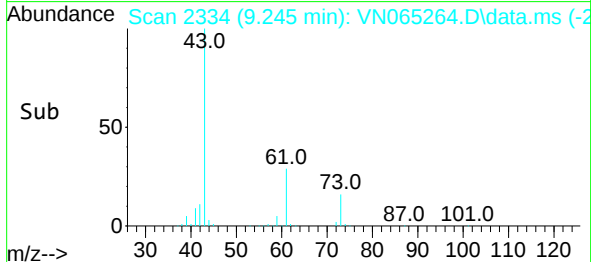
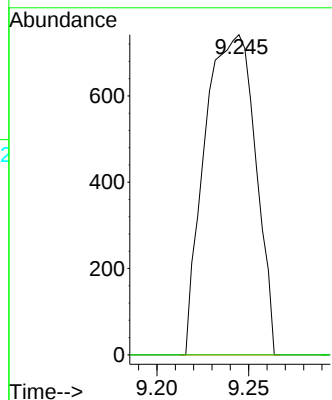
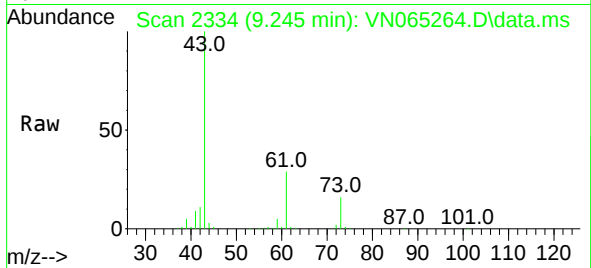




#45
1,2-Dichloropropane
Concen: 0.53 ug/l
RT: 9.245 min Scan# 2334
Delta R.T. 0.161 min
Lab File: VN065264.D
Acq: 24 Dec 2020 16:17

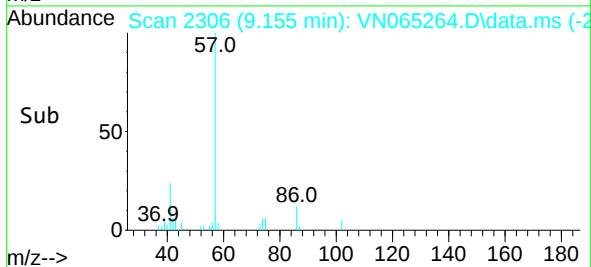
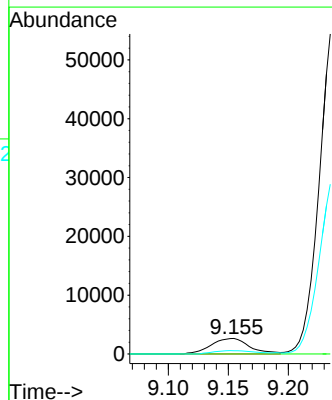
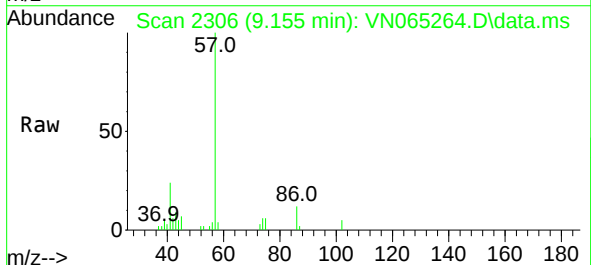
Instrument :
MSVOA_N
ClientSampled :

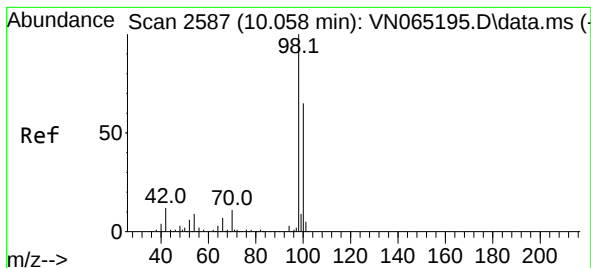
Tgt Ion: 63 Resp: 1425
Ion Ratio Lower Upper
63 100
65 0.0 25.0 37.4#



#48
Methyl methacrylate
Concen: 2.03 ug/l
RT: 9.155 min Scan# 2306
Delta R.T. -0.012 min
Lab File: VN065264.D
Acq: 24 Dec 2020 16:17

Tgt Ion: 41 Resp: 5866
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 0.0 44.1 66.1#

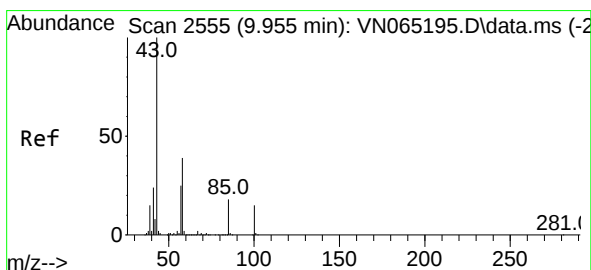
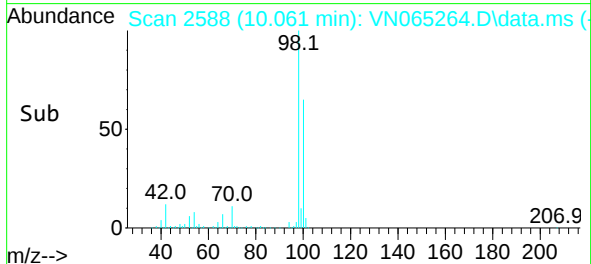
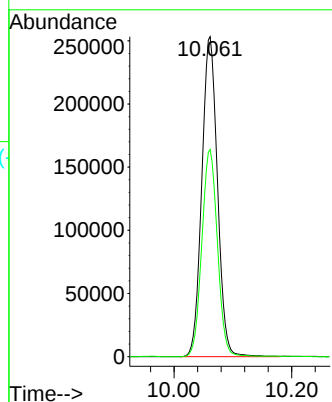
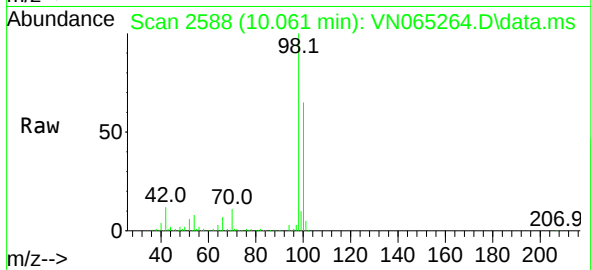




#50
Toluene-d8
Concen: 54.14 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065264.D
Acq: 24 Dec 2020 16:17

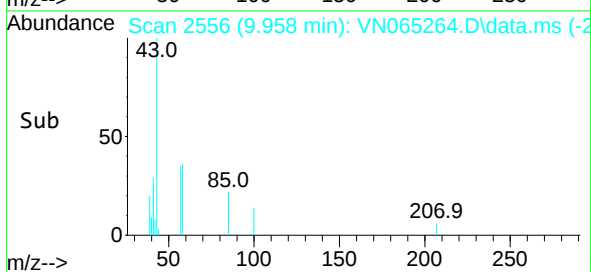
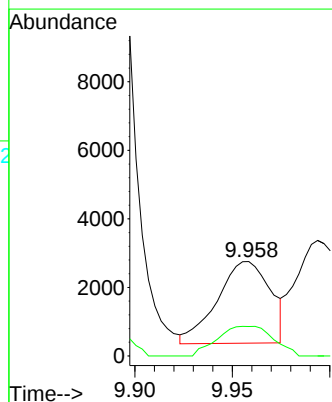
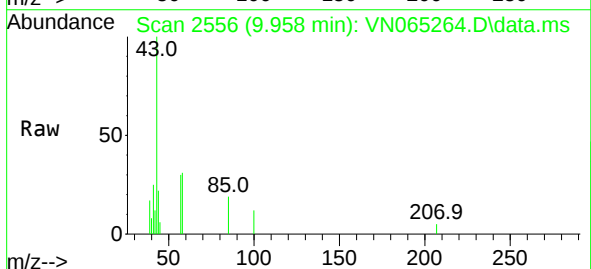
Instrument :
MSVOA_N
ClientSampled :

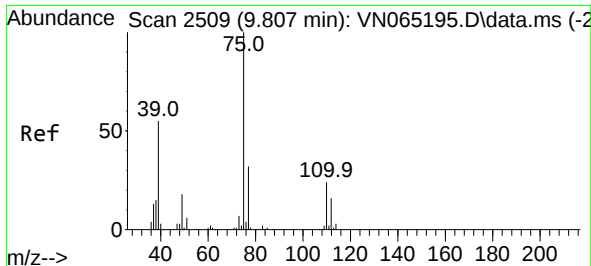
Tgt Ion: 98 Resp: 468056
Ion Ratio Lower Upper
98 100
100 64.5 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.36 ug/l
RT: 9.958 min Scan# 2556
Delta R.T. 0.003 min
Lab File: VN065264.D
Acq: 24 Dec 2020 16:17

Tgt Ion: 43 Resp: 4526
Ion Ratio Lower Upper
43 100
58 38.1 32.4 48.6

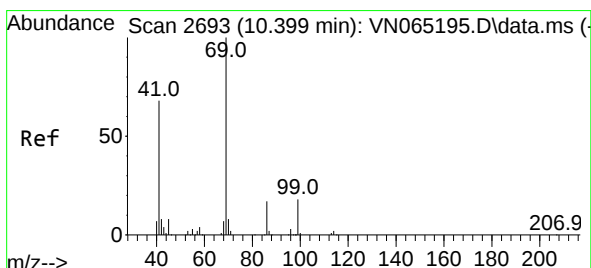
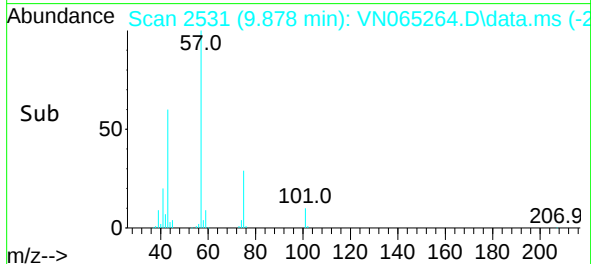
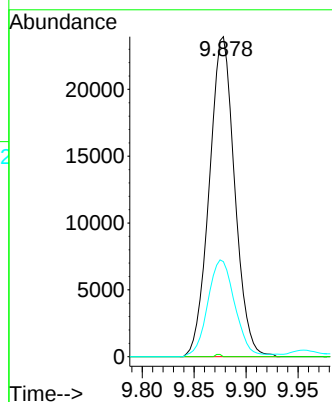
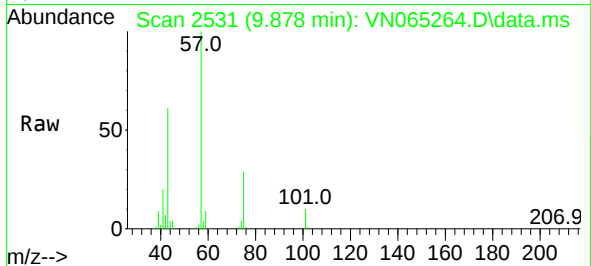




#54
 cis-1,3-Dichloropropene
 Concen: 8.81 ug/l
 RT: 9.878 min Scan# 2531
 Delta R.T. 0.071 min
 Lab File: VN065264.D
 Acq: 24 Dec 2020 16:17

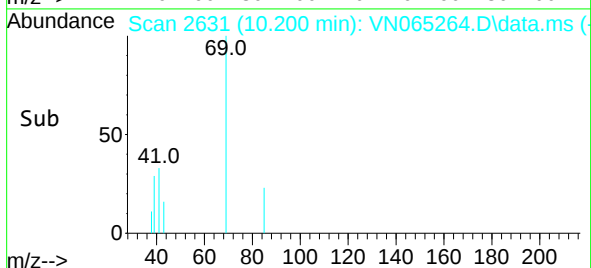
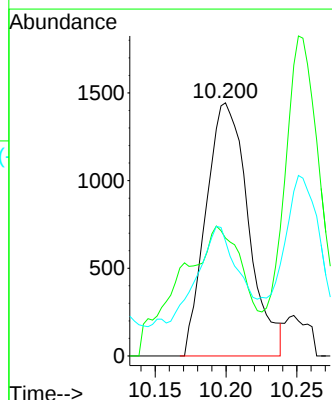
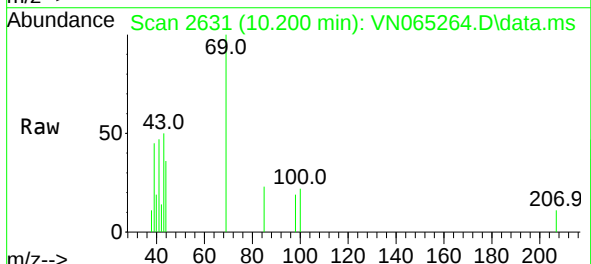
Instrument :
 MSVOA_N
 ClientSampled :

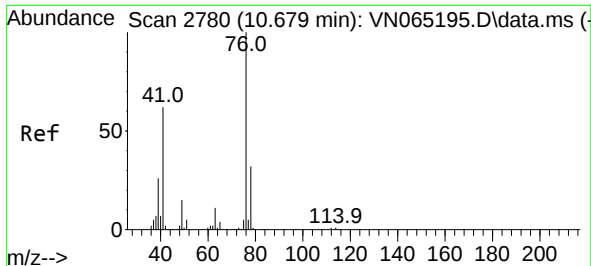
Tgt Ion: 75 Resp: 40611
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#
 39 29.7 35.6 53.4#



#56
 Ethyl methacrylate
 Concen: 0.75 ug/l
 RT: 10.200 min Scan# 2631
 Delta R.T. -0.199 min
 Lab File: VN065264.D
 Acq: 24 Dec 2020 16:17

Tgt Ion: 69 Resp: 2998
 Ion Ratio Lower Upper
 69 100
 41 44.9 49.4 74.0#
 39 41.2 25.9 38.9#

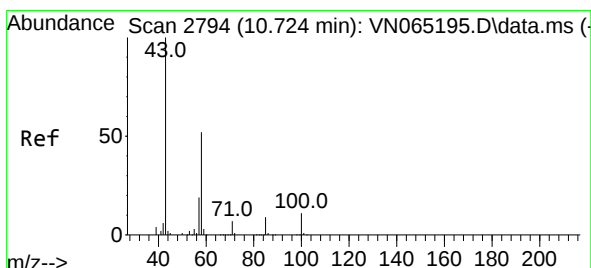
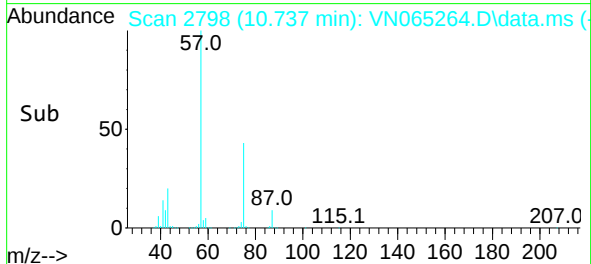
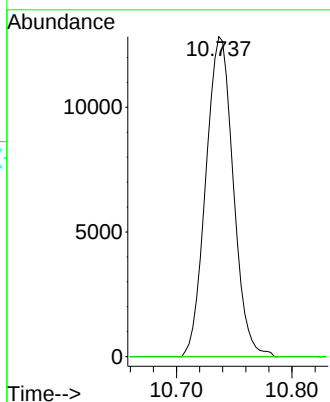
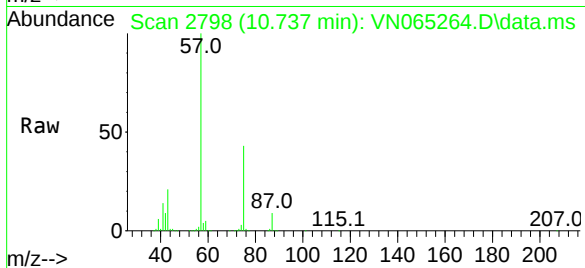




#57
1,3-Dichloropropane
Concen: 4.98 ug/l
RT: 10.737 min Scan# 2798
Delta R.T. 0.058 min
Lab File: VN065264.D
Acq: 24 Dec 2020 16:17

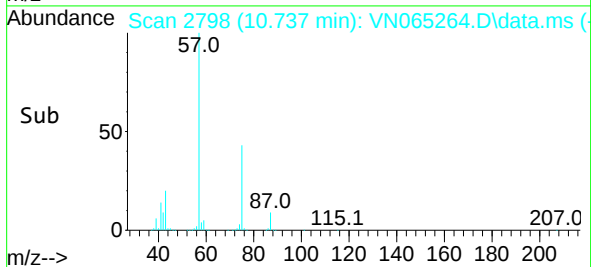
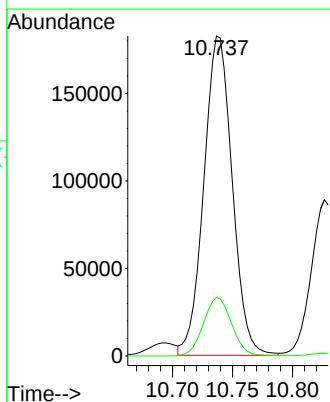
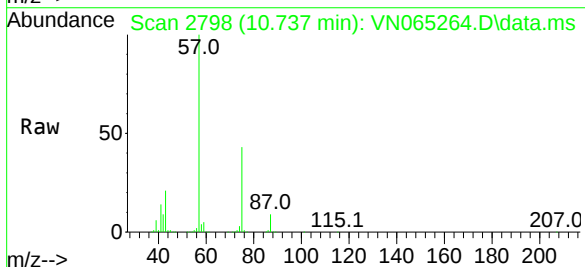
Instrument :
MSVOA_N
ClientSampled :

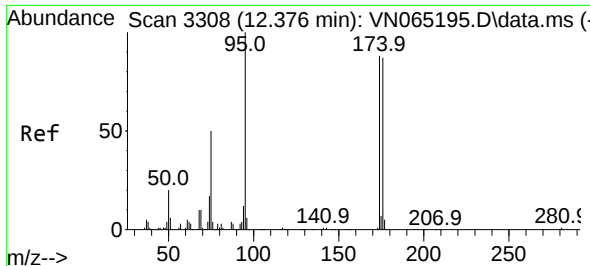
Tgt Ion: 76 Resp: 21195
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 122.24 ug/l
RT: 10.737 min Scan# 2798
Delta R.T. 0.013 min
Lab File: VN065264.D
Acq: 24 Dec 2020 16:17

Tgt Ion: 43 Resp: 300045
Ion Ratio Lower Upper
43 100
58 18.3 28.3 84.9#

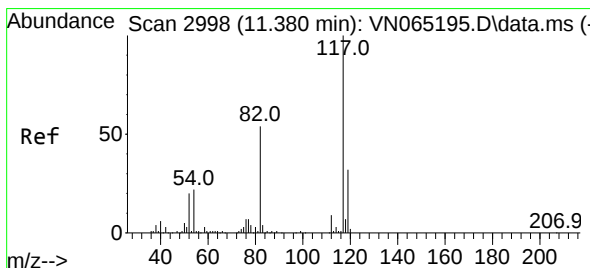
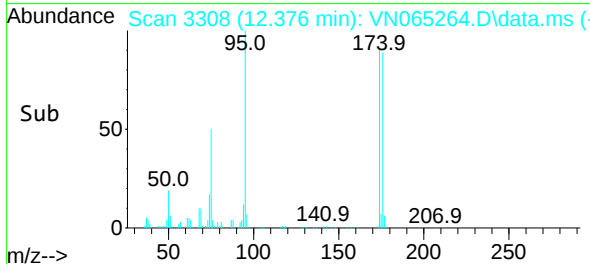
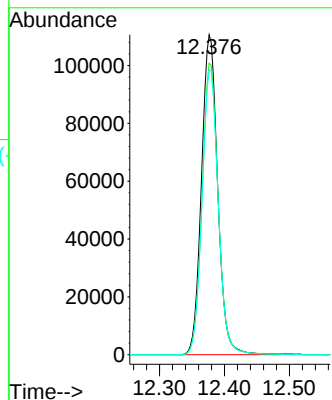
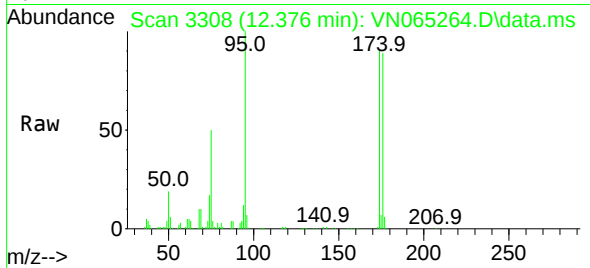




#62
4-Bromofluorobenzene
Concen: 55.63 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065264.D
Acq: 24 Dec 2020 16:17

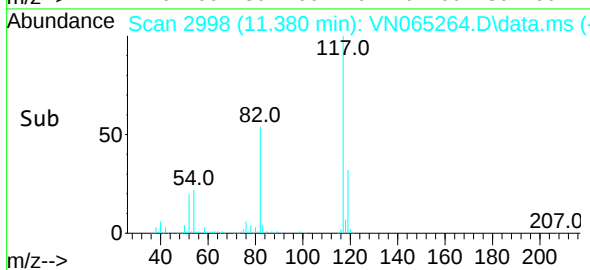
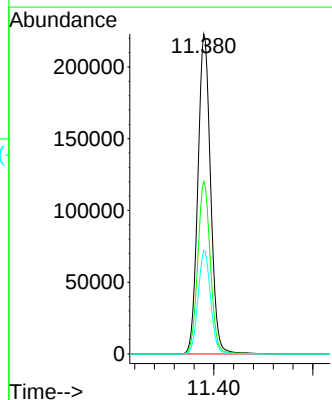
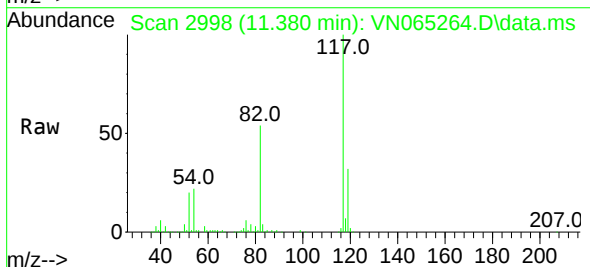
Instrument :
MSVOA_N
ClientSampleId :

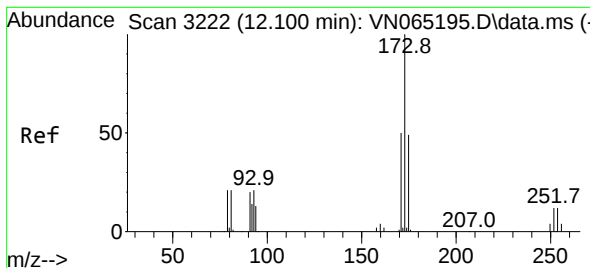
Tgt Ion: 95 Resp: 192365
Ion Ratio Lower Upper
95 100
174 90.8 0.0 160.4
176 88.9 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065264.D
Acq: 24 Dec 2020 16:17

Tgt Ion: 117 Resp: 399259
Ion Ratio Lower Upper
117 100
82 53.9 44.2 66.2
119 32.4 25.8 38.6





#71

Bromoform

Concen: 0.39 ug/l

RT: 12.376 min Scan# 3308

Delta R.T. 0.276 min

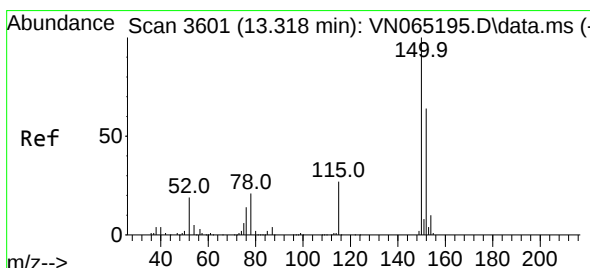
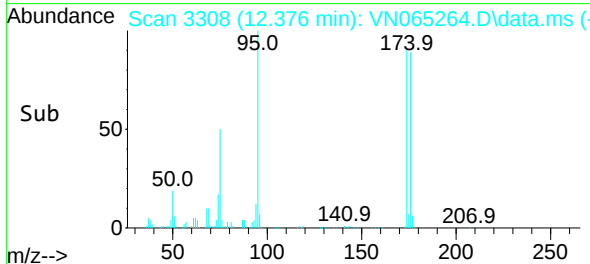
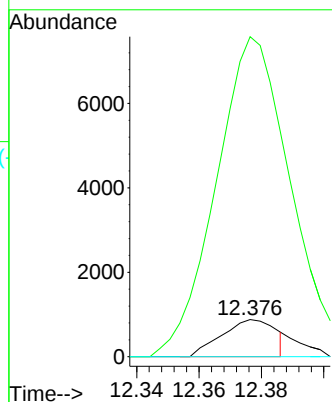
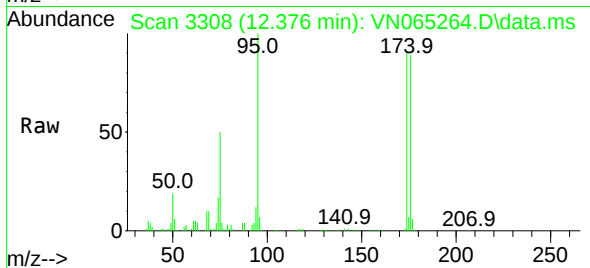
Lab File: VN065264.D

Acq: 24 Dec 2020 16:17

Tgt Ion:173 Resp: 1060

Ion	Ratio	Lower	Upper
173	100		
175	959.4	24.3	72.8#
254	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampleId :



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.318 min Scan# 3601

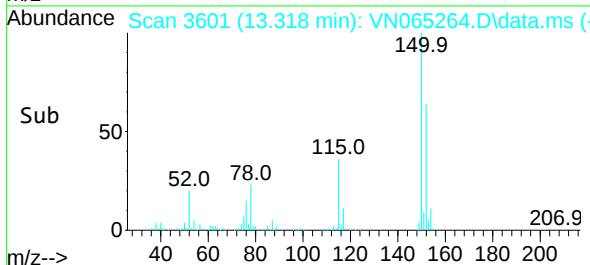
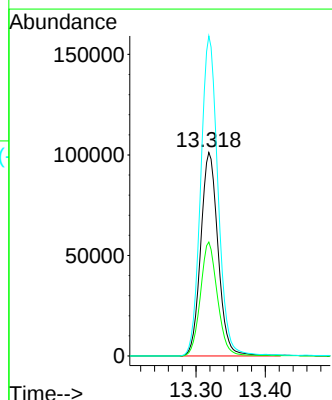
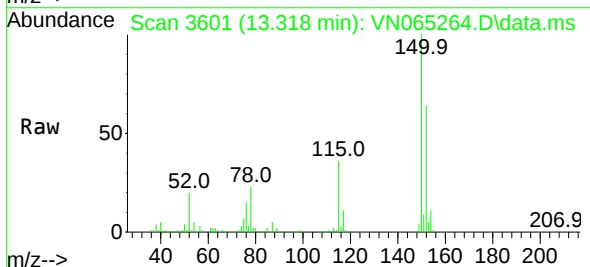
Delta R.T. 0.000 min

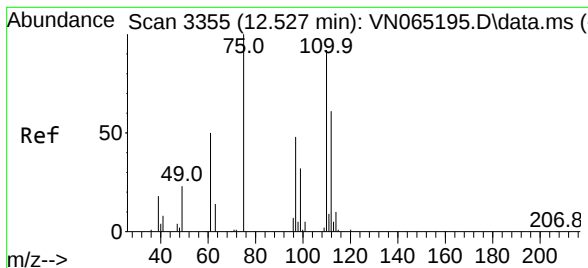
Lab File: VN065264.D

Acq: 24 Dec 2020 16:17

Tgt Ion:152 Resp: 175985

Ion	Ratio	Lower	Upper
152	100		
115	54.9	29.7	89.1
150	156.2	0.0	350.6

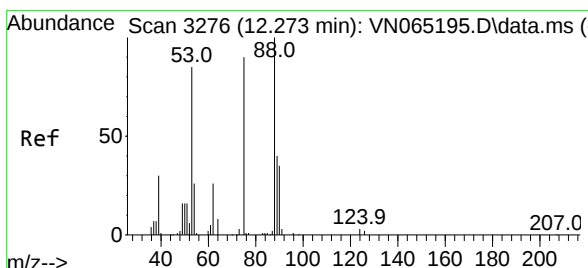
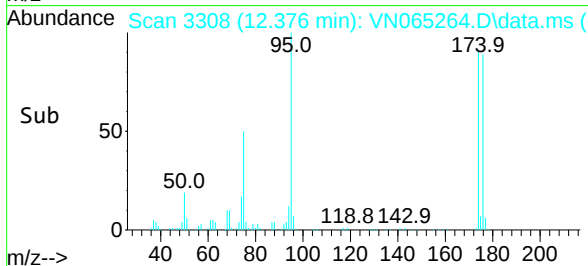
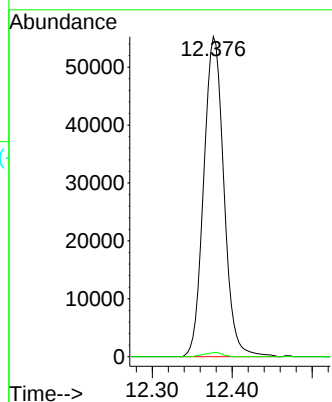
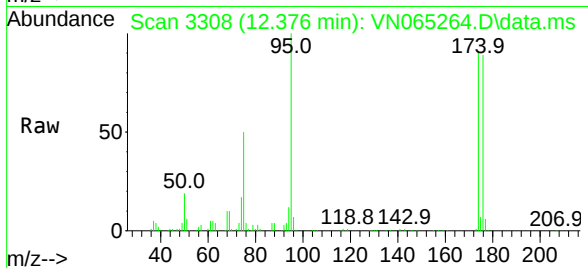




#76
1,2,3-Trichloropropane
Concen: 27.05 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065264.D
Acq: 24 Dec 2020 16:17

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 97133
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.22 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065264.D
Acq: 24 Dec 2020 16:17

Tgt Ion: 75 Resp: 97133
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#

