

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011121\
 Data File : VN065471.D
 Acq On : 11 Jan 2021 16:30
 Operator : JC/MD
 Sample : PB134024ZHE#11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 12 00:09:37 2021
 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)

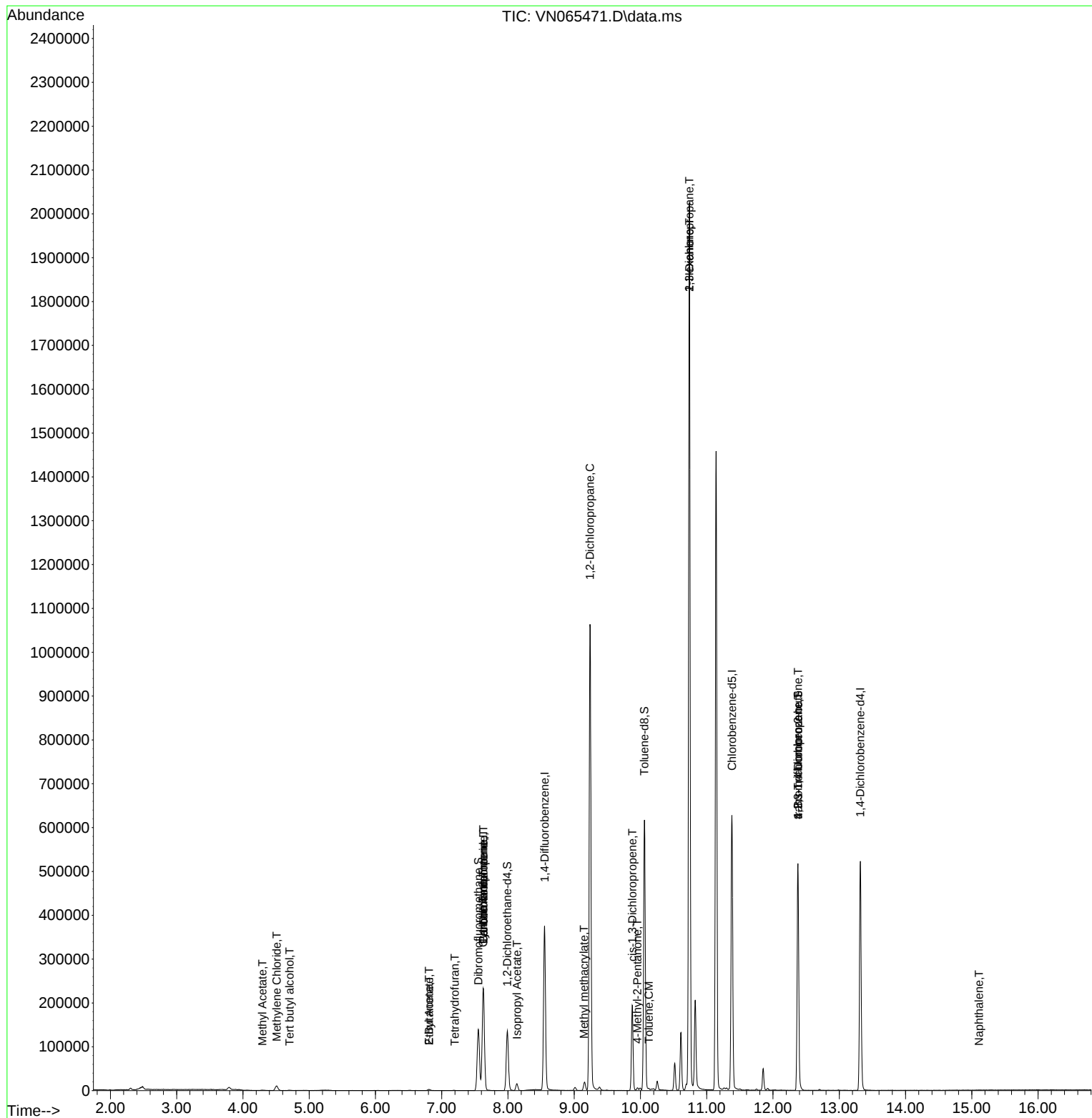
Internal Standards						
1) Pentafluorobenzene	7.627	168	214933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	359110	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	392804	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.319	152	162615	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	118752	48.94	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.88%		
35) Dibromofluoromethane	7.553	113	108927	50.28	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.56%		
50) Toluene-d8	10.058	98	446932	55.04	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	110.08%		
62) 4-Bromofluorobenzene	12.376	95	178202	54.93	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	109.86%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.705	59	623	1.57	ug/l #	73
16) Acetone	3.792	43	8278	Below Cal	#	82
18) Methyl Acetate	4.293	43	2038	0.94	ug/l #	50
20) Methylene Chloride	4.509	84	8507	3.59	ug/l	96
25) 2-Butanone	6.808	43	3576	2.63	ug/l	92
29) Tetrahydrofuran	7.197	42	784	0.89	ug/l #	32
31) Cyclohexane	7.624	56	3327	0.93	ug/l #	1
36) 1,1-Dichloropropene	7.627	75	13041	3.99	ug/l #	49
37) Ethyl Acetate	6.808	43	3576	1.10	ug/l #	66
38) Carbon Tetrachloride	7.627	117	17994	5.25	ug/l #	16
43) Isopropyl Acetate	8.135	43	18721	3.36	ug/l	97
45) 1,2-Dichloropropane	9.238	63	1181	0.47	ug/l #	43
48) Methyl methacrylate	9.148	41	4840	1.79	ug/l #	12
51) 4-Methyl-2-Pentanone	9.952	43	4451	1.42	ug/l	93
52) Toluene	10.126	92	1411	0.23	ug/l	96
54) cis-1,3-Dichloropropene	9.878	75	36366	8.40	ug/l #	60
57) 1,3-Dichloropropane	10.737	76	21366	5.35	ug/l #	42
59) 2-Hexanone	10.737	43	285750	123.94	ug/l #	49
76) 1,2,3-Trichloropropane	12.376	75	85049	25.64	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.376	75	85049	64.64	ug/l #	15
95) Naphthalene	15.109	128	98	3.38	ug/l #	69

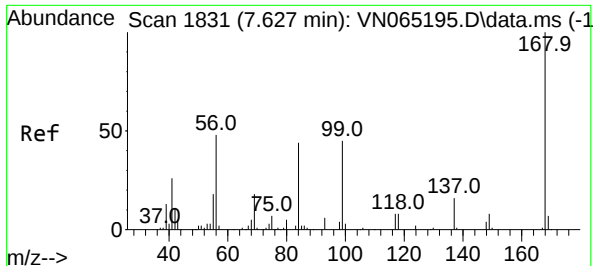
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jan 12 00:09:37 2021
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

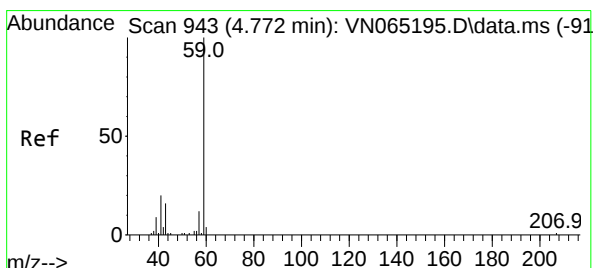
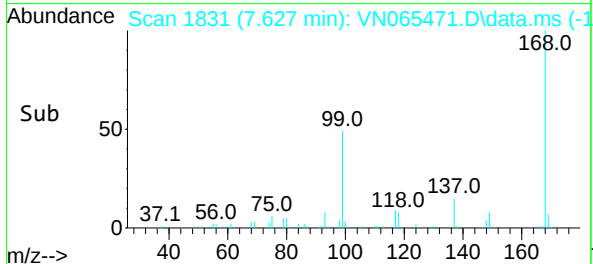
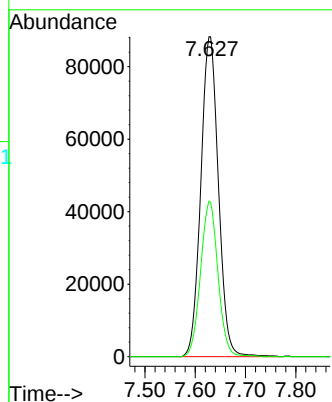
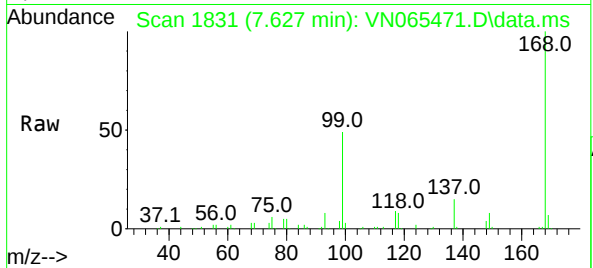




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN065471.D
Acq: 11 Jan 2021 16:30

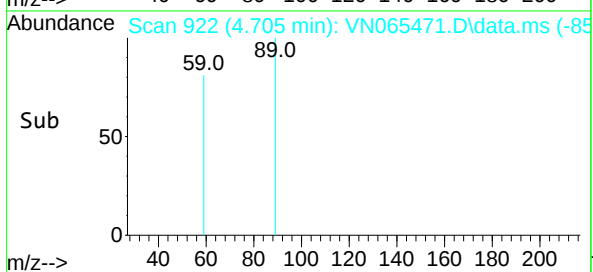
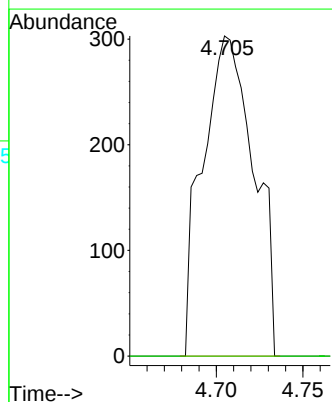
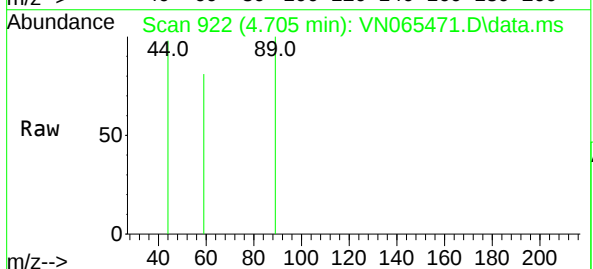
Instrument :
MSVOA_N
ClientSampled :

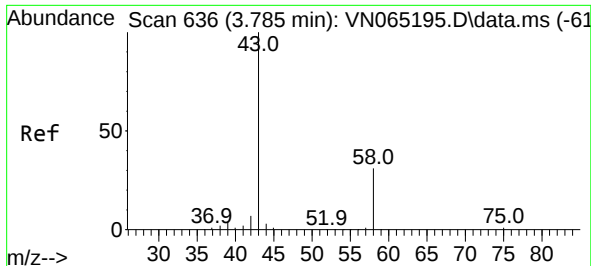
Tgt Ion:168 Resp: 214933
Ion Ratio Lower Upper
168 100
99 48.6 43.0 64.4



#11
Tert butyl alcohol
Concen: 1.57 ug/l
RT: 4.705 min Scan# 922
Delta R.T. -0.067 min
Lab File: VN065471.D
Acq: 11 Jan 2021 16:30

Tgt Ion: 59 Resp: 623
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

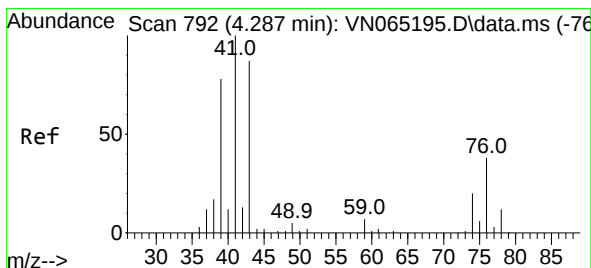
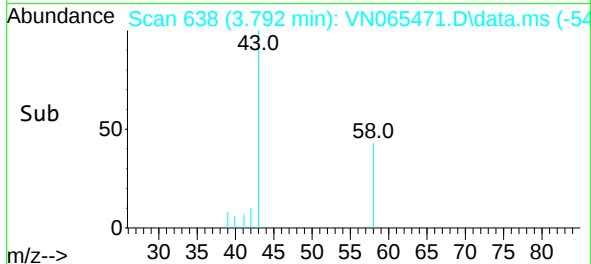
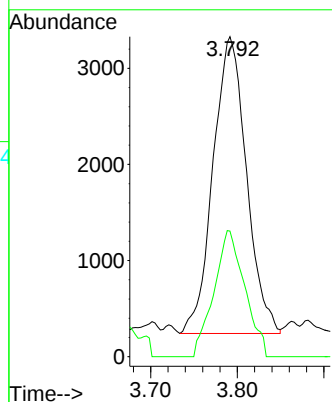
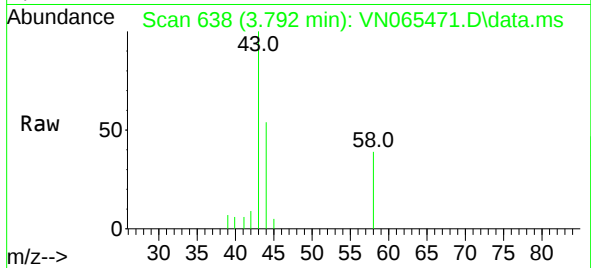




#16
Acetone
Concen: Below Cal
RT: 3.792 min Scan# 638
Delta R.T. 0.007 min
Lab File: VN065471.D
Acq: 11 Jan 2021 16:30

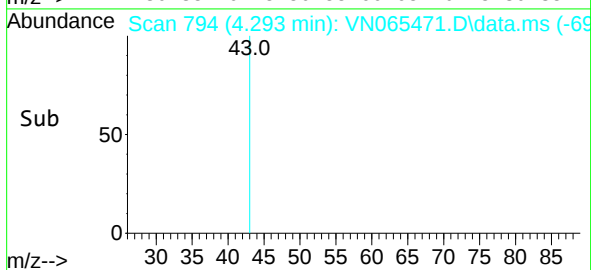
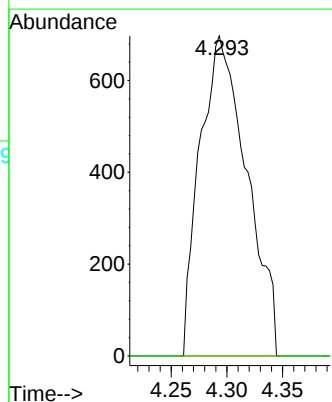
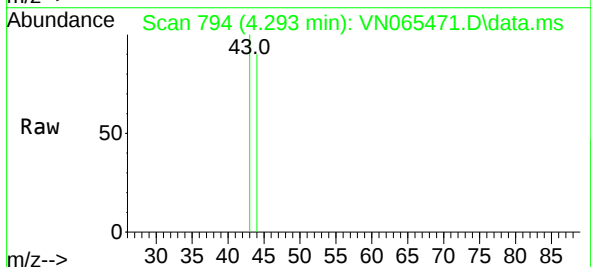
Instrument :
MSVOA_N
ClientSampled :

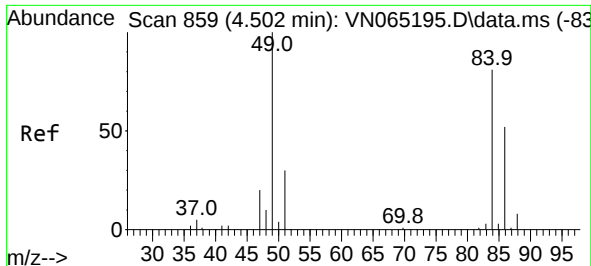
Tgt Ion: 43 Resp: 8278
Ion Ratio Lower Upper
43 100
58 42.3 25.7 38.5#



#18
Methyl Acetate
Concen: 0.94 ug/l
RT: 4.293 min Scan# 794
Delta R.T. 0.006 min
Lab File: VN065471.D
Acq: 11 Jan 2021 16:30

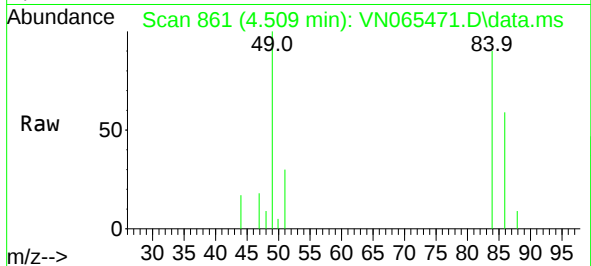
Tgt Ion: 43 Resp: 2038
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#





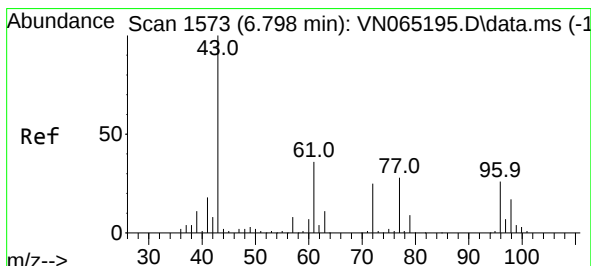
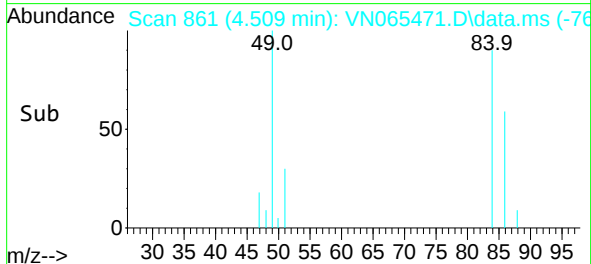
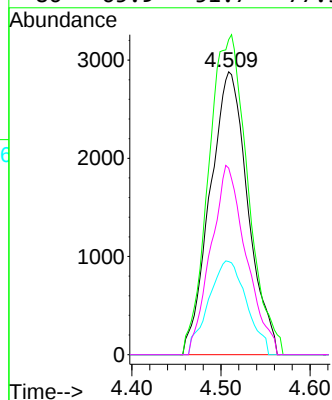
#20
Methylene Chloride
Concen: 3.59 ug/l
RT: 4.509 min Scan# 861
Delta R.T. 0.007 min
Lab File: VN065471.D
Acq: 11 Jan 2021 16:30

Instrument :
MSVOA_N
ClientSampleId :

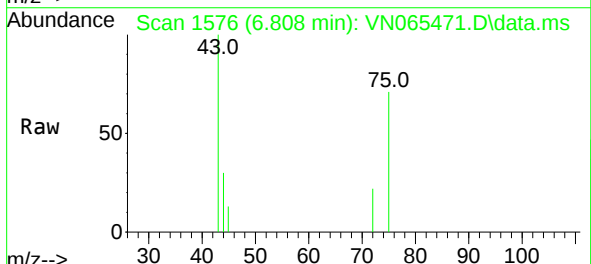


Tgt Ion: 84 Resp: 8507

Ion	Ratio	Lower	Upper
84	100		
49	111.4	93.4	140.0
51	32.9	28.2	42.4
86	65.9	51.7	77.5

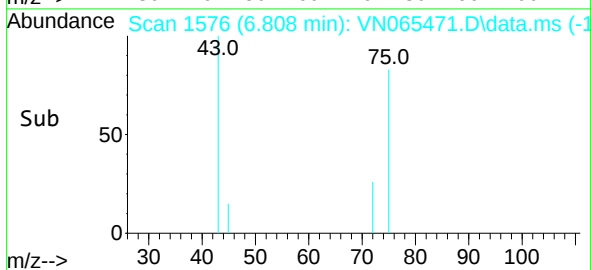
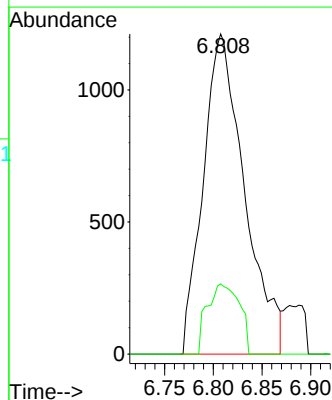


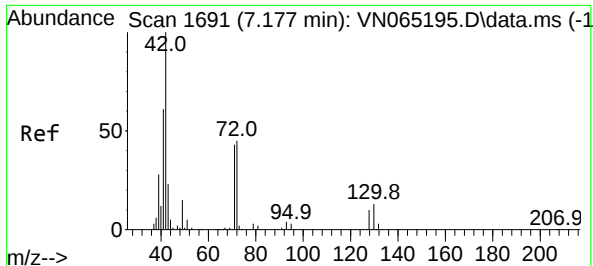
#25
2-Butanone
Concen: 2.63 ug/l
RT: 6.808 min Scan# 1576
Delta R.T. 0.010 min
Lab File: VN065471.D
Acq: 11 Jan 2021 16:30



Tgt Ion: 43 Resp: 3576

Ion	Ratio	Lower	Upper
43	100		
72	21.9	21.0	31.6





#29

Tetrahydrofuran

Concen: 0.89 ug/l

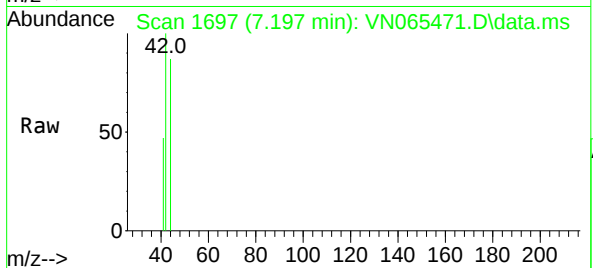
RT: 7.197 min Scan# 1697

Delta R.T. 0.020 min

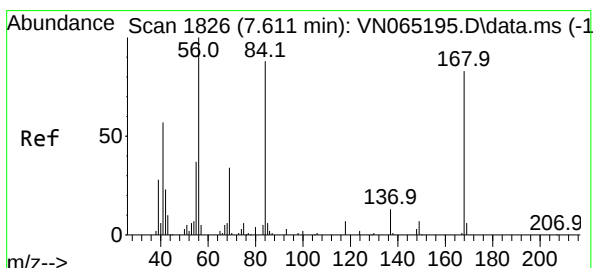
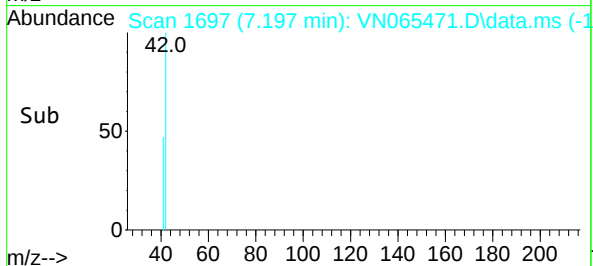
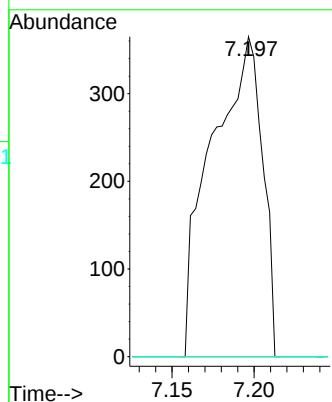
Lab File: VN065471.D

Acq: 11 Jan 2021 16:30

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:	42	Resp:	784
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.6	54.8#
71	0.0	33.6	50.4#



#31

Cyclohexane

Concen: 0.93 ug/l

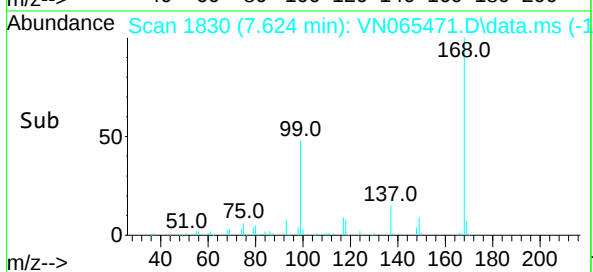
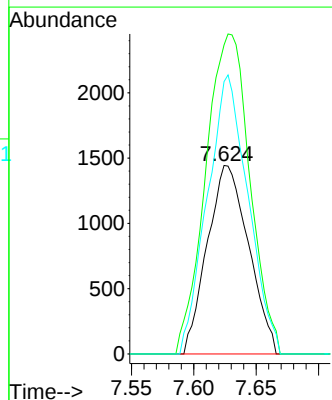
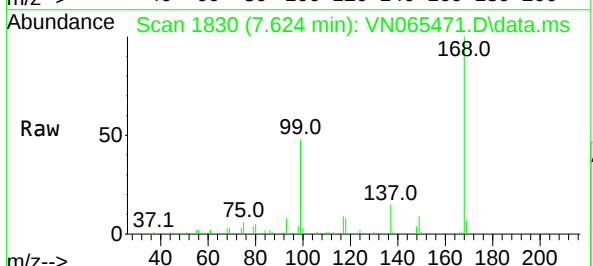
RT: 7.624 min Scan# 1830

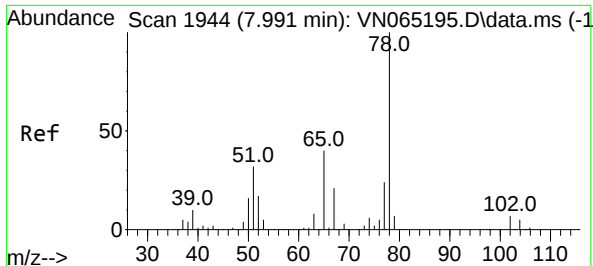
Delta R.T. 0.013 min

Lab File: VN065471.D

Acq: 11 Jan 2021 16:30

Tgt Ion:	56	Resp:	3327
Ion	Ratio	Lower	Upper
56	100		
69	164.0	27.5	41.3#
84	144.6	73.9	110.9#

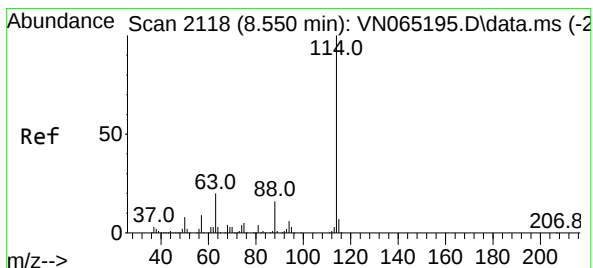
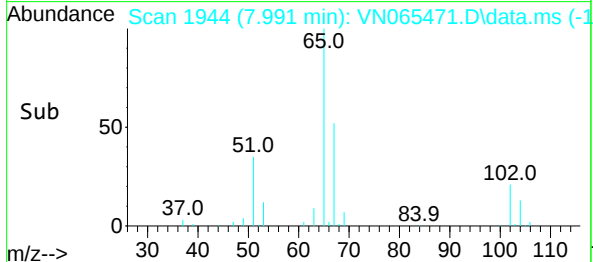
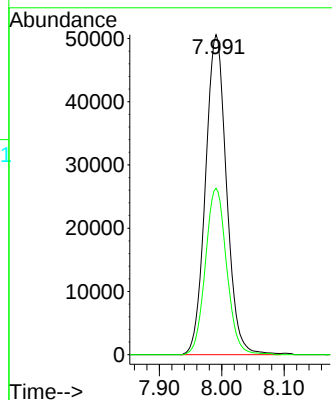
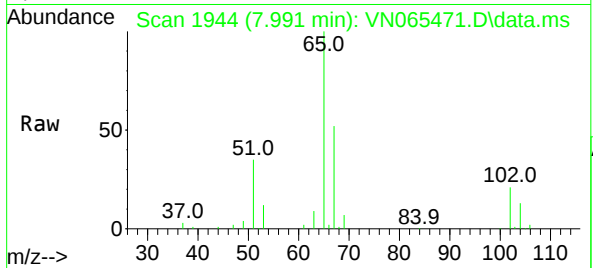




#33
1,2-Dichloroethane-d4
Concen: 48.94 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VN065471.D
Acq: 11 Jan 2021 16:30

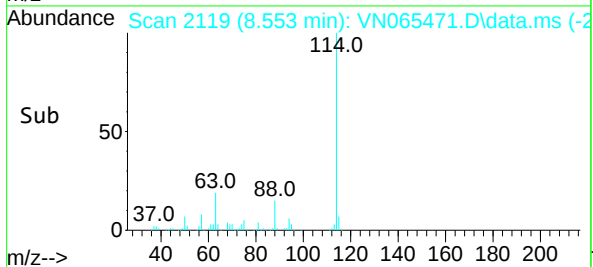
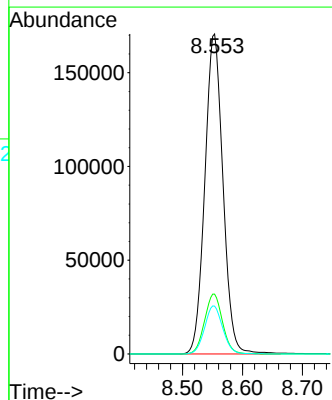
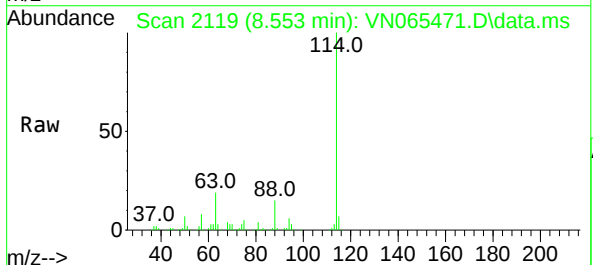
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 65 Resp: 118752
Ion Ratio Lower Upper
65 100
67 52.4 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: VN065471.D
Acq: 11 Jan 2021 16:30

Tgt Ion: 114 Resp: 359110
Ion Ratio Lower Upper
114 100
63 18.7 0.0 38.6
88 15.0 0.0 32.6

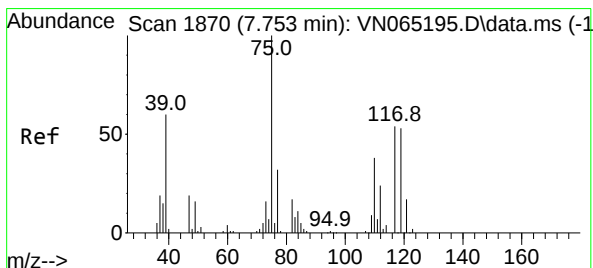
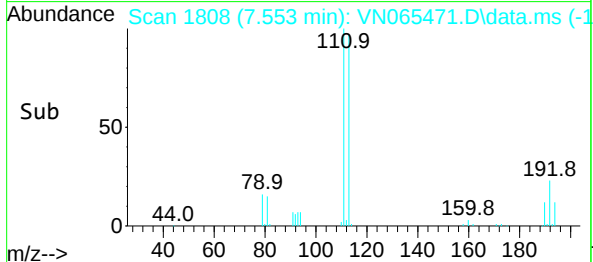
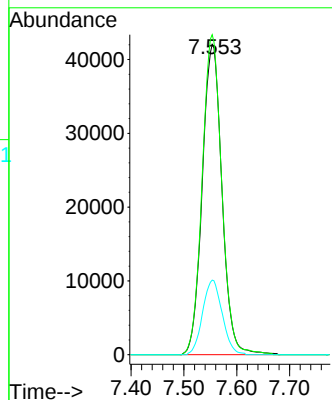
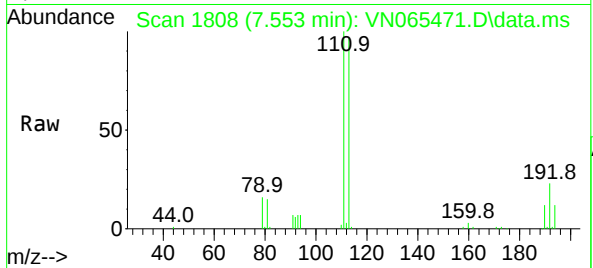




#35
Dibromofluoromethane
Concen: 50.28 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN065471.D
Acq: 11 Jan 2021 16:30

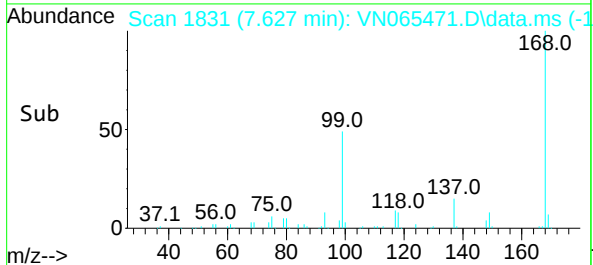
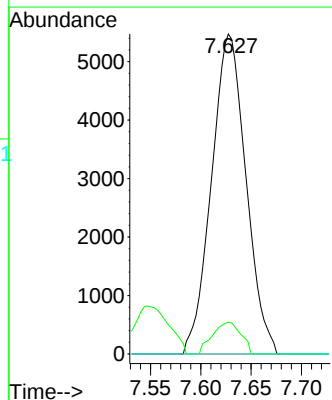
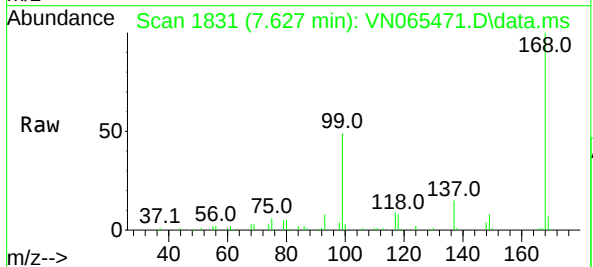
Instrument :
MSVOA_N
ClientSampled :

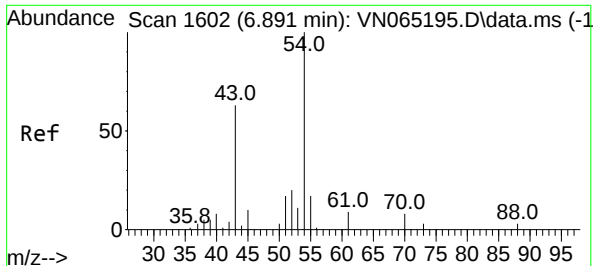
Tgt Ion:113 Resp: 108927
Ion Ratio Lower Upper
113 100
111 102.3 81.6 122.4
192 23.9 16.2 24.2



#36
1,1-Dichloropropene
Concen: 3.99 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN065471.D
Acq: 11 Jan 2021 16:30

Tgt Ion: 75 Resp: 13041
Ion Ratio Lower Upper
75 100
110 8.2 17.8 53.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.10 ug/l

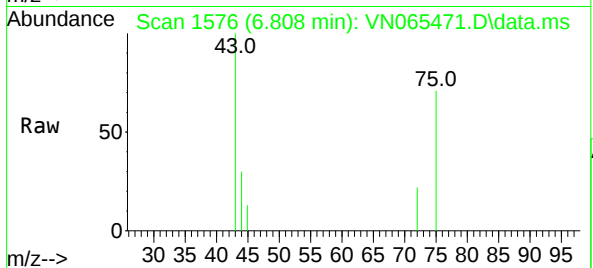
RT: 6.808 min Scan# 1576

Delta R.T. -0.083 min

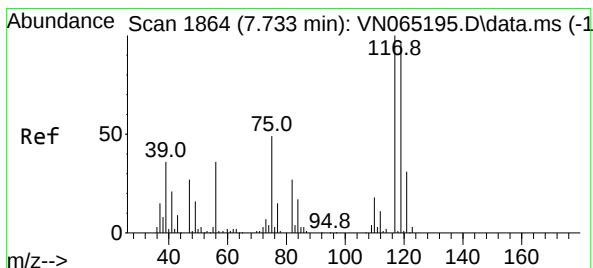
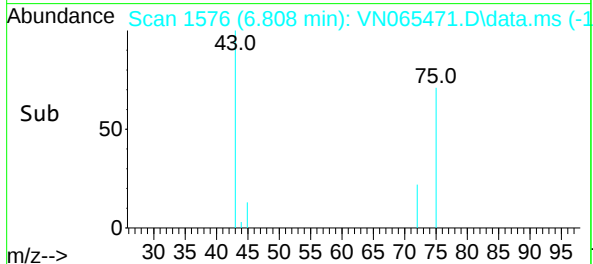
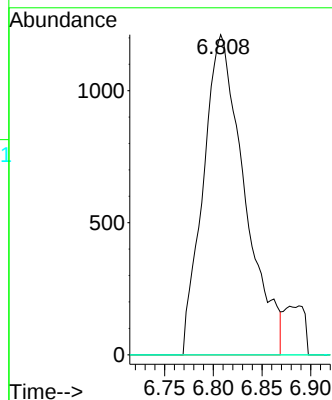
Lab File: VN065471.D

Acq: 11 Jan 2021 16:30

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:	43	Resp:	3576
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.0	8.8	13.2#



#38

Carbon Tetrachloride

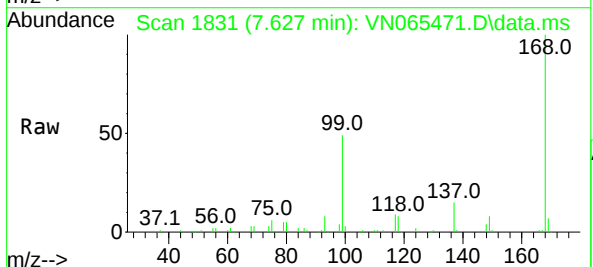
Concen: 5.25 ug/l

RT: 7.627 min Scan# 1831

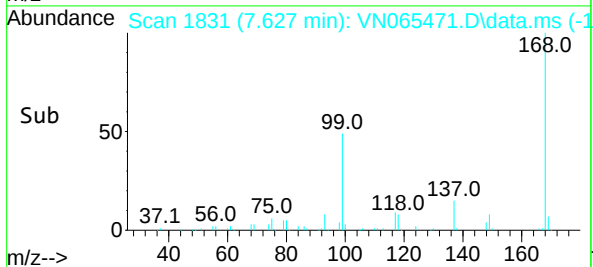
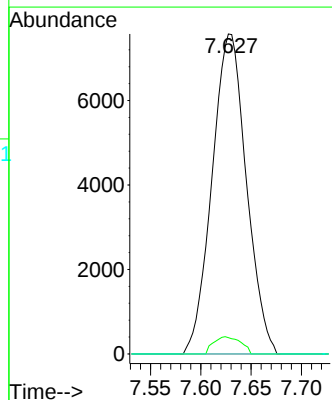
Delta R.T. -0.106 min

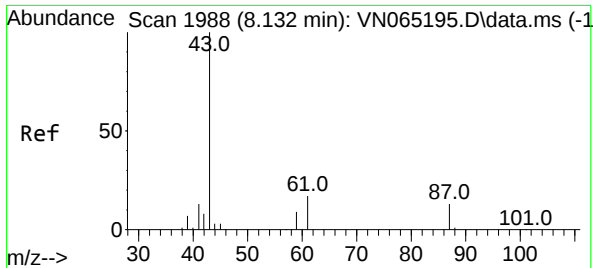
Lab File: VN065471.D

Acq: 11 Jan 2021 16:30



Tgt Ion:	117	Resp:	17994
Ion	Ratio	Lower	Upper
117	100		
119	5.1	76.7	115.1#
121	0.0	25.4	38.2#

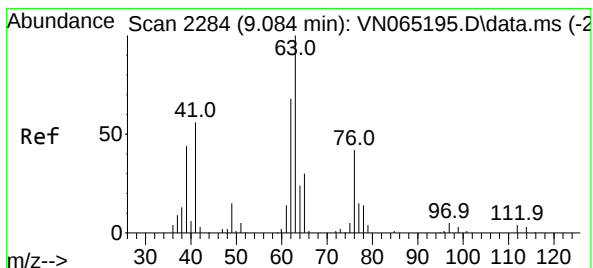
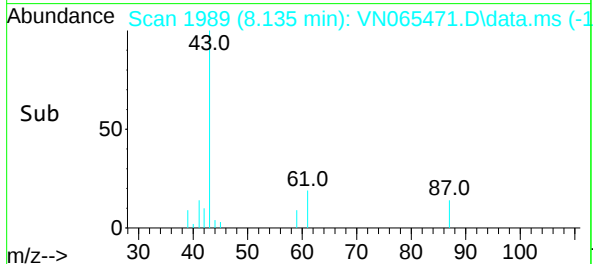
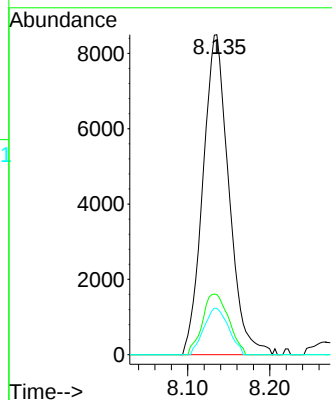
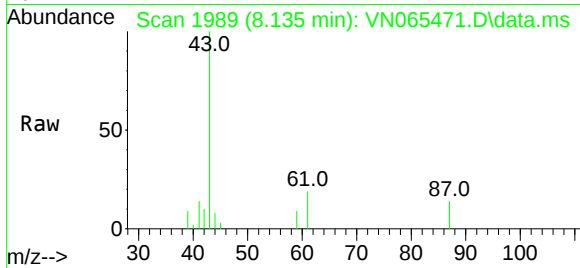




#43
Isopropyl Acetate
Concen: 3.36 ug/l
RT: 8.135 min Scan# 1989
Delta R.T. 0.003 min
Lab File: VN065471.D
Acq: 11 Jan 2021 16:30

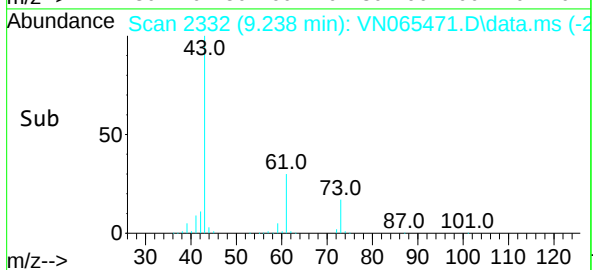
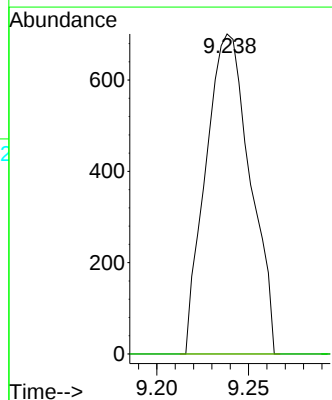
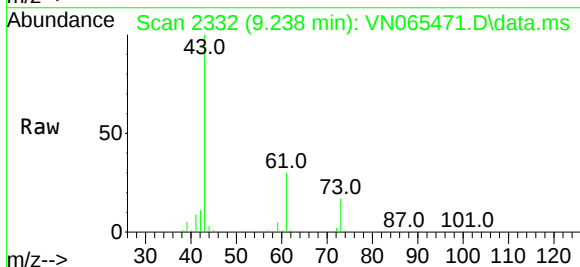
Instrument :
MSVOA_N
ClientSampled :

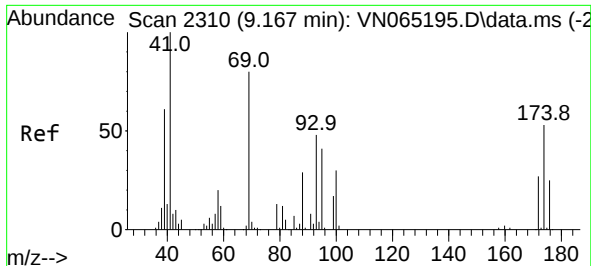
Tgt Ion:	43	Resp:	18721
Ion	Ratio	Lower	Upper
43	100		
61	19.2	17.2	25.8
87	13.8	11.4	17.0



#45
1,2-Dichloropropane
Concen: 0.47 ug/l
RT: 9.238 min Scan# 2332
Delta R.T. 0.154 min
Lab File: VN065471.D
Acq: 11 Jan 2021 16:30

Tgt Ion:	63	Resp:	1181
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.0	37.4#

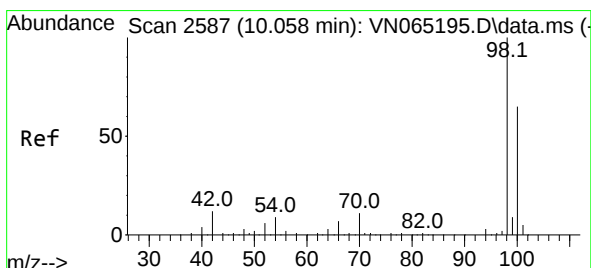
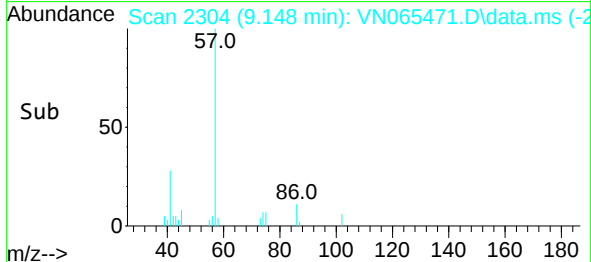
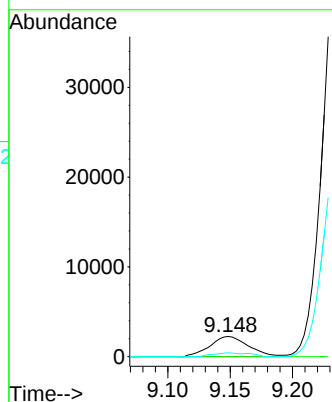
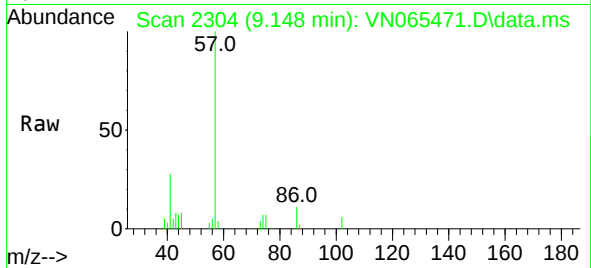




#48
Methyl methacrylate
Concen: 1.79 ug/l
RT: 9.148 min Scan# 2304
Delta R.T. -0.019 min
Lab File: VN065471.D
Acq: 11 Jan 2021 16:30

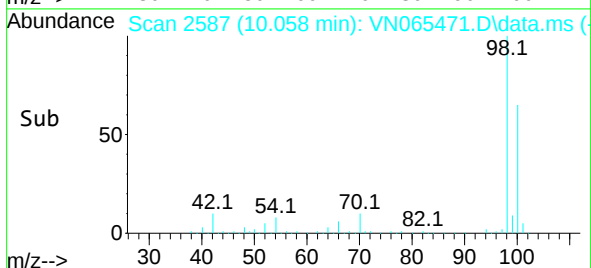
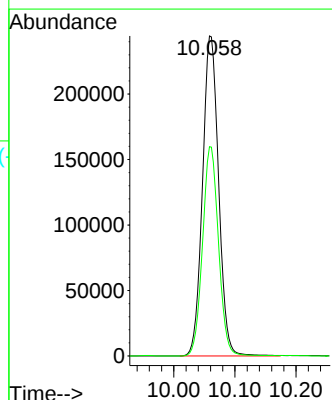
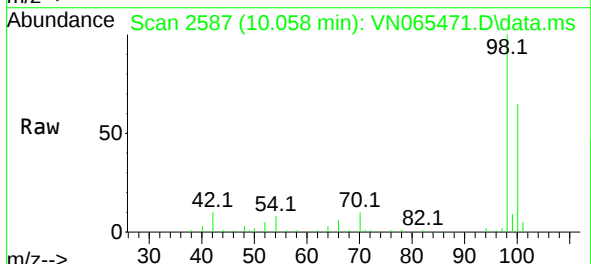
Instrument :
MSVOA_N
ClientSampled :

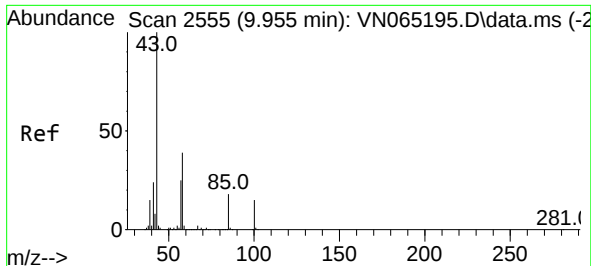
Tgt Ion: 41 Resp: 4840
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 0.0 44.1 66.1#



#50
Toluene-d8
Concen: 55.04 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065471.D
Acq: 11 Jan 2021 16:30

Tgt Ion: 98 Resp: 446932
Ion Ratio Lower Upper
98 100
100 64.8 51.7 77.5

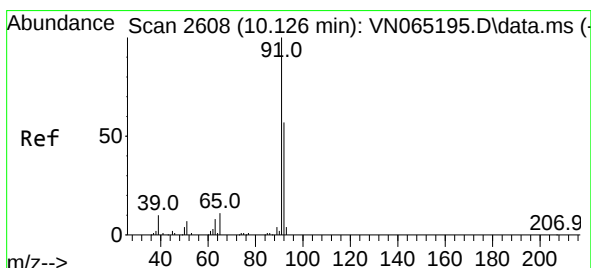
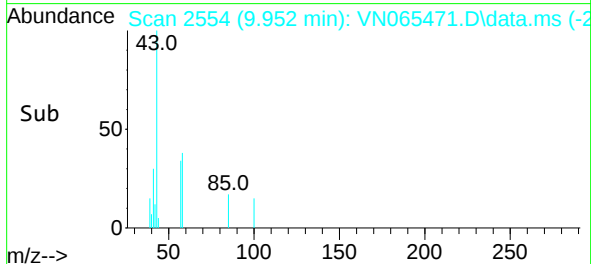
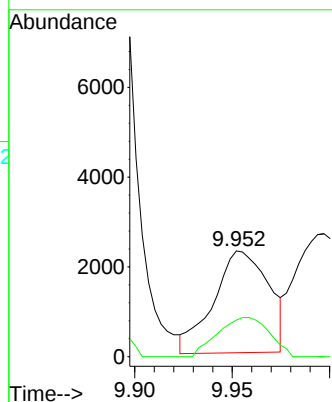
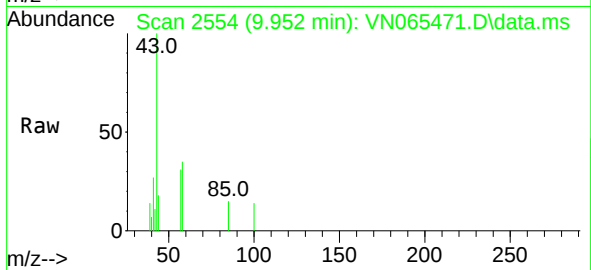




#51
4-Methyl-2-Pentanone
Concen: 1.42 ug/l
RT: 9.952 min Scan# 2554
Delta R.T. -0.003 min
Lab File: VN065471.D
Acq: 11 Jan 2021 16:30

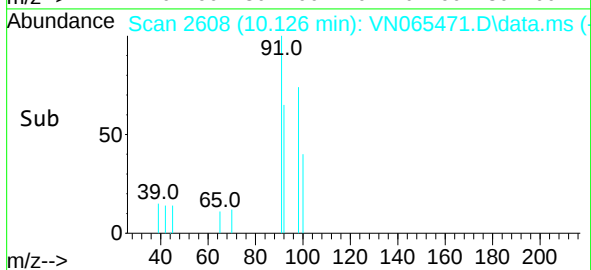
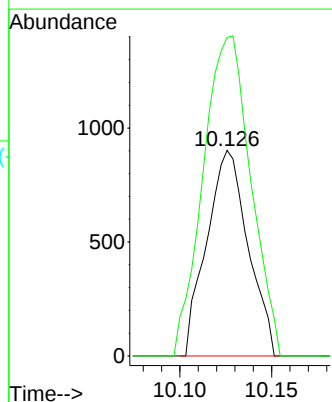
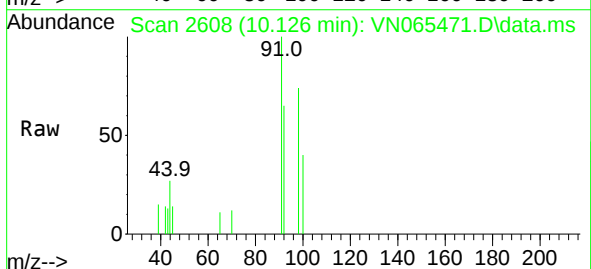
Instrument :
MSVOA_N
ClientSampleId :

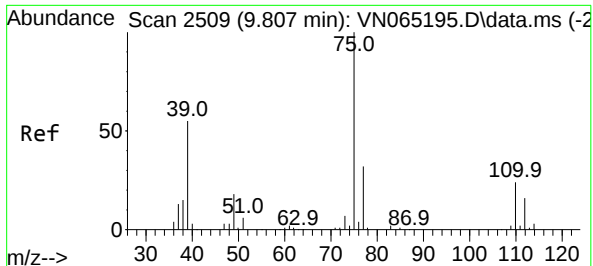
Tgt Ion: 43 Resp: 4451
Ion Ratio Lower Upper
43 100
58 36.1 32.4 48.6



#52
Toluene
Concen: 0.23 ug/l
RT: 10.126 min Scan# 2608
Delta R.T. -0.000 min
Lab File: VN065471.D
Acq: 11 Jan 2021 16:30

Tgt Ion: 92 Resp: 1411
Ion Ratio Lower Upper
92 100
91 179.7 139.1 208.7

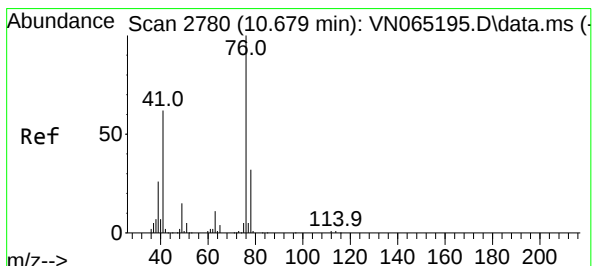
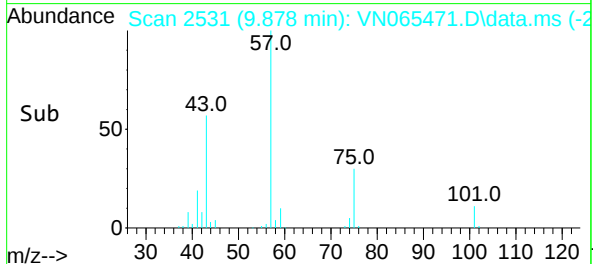
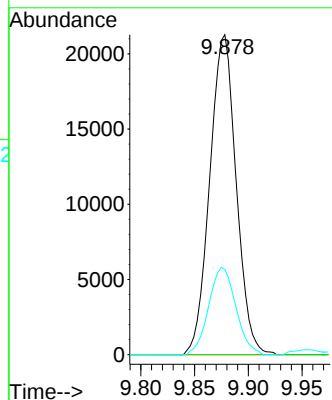
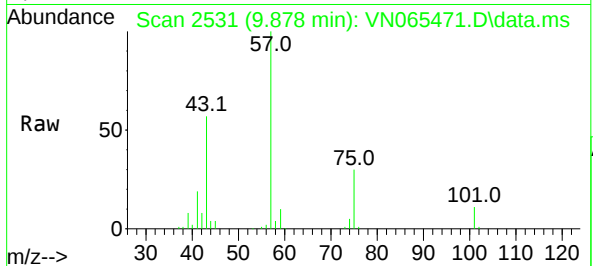




#54
 cis-1,3-Dichloropropene
 Concen: 8.40 ug/l
 RT: 9.878 min Scan# 2531
 Delta R.T. 0.071 min
 Lab File: VN065471.D
 Acq: 11 Jan 2021 16:30

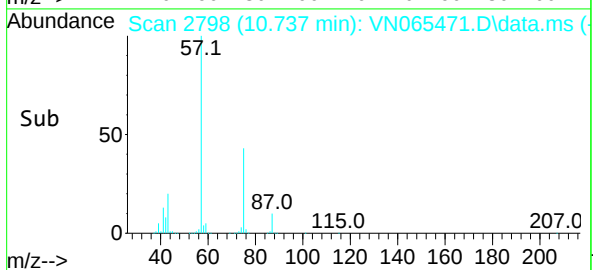
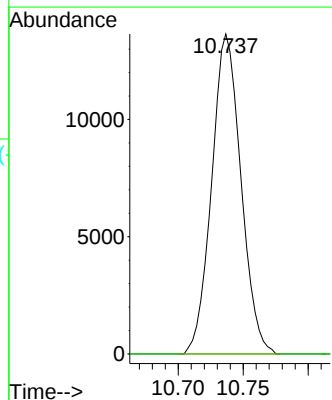
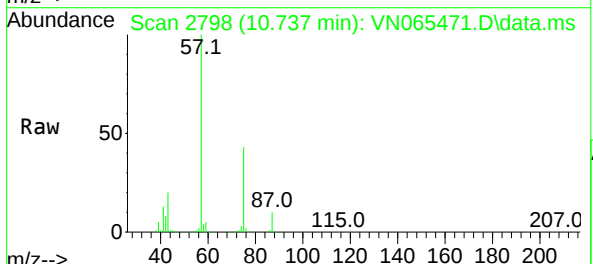
Instrument :
 MSVOA_N
 ClientSampled :

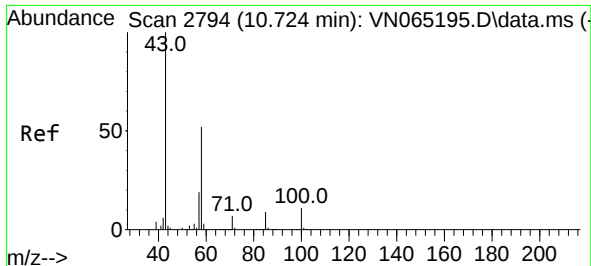
Tgt Ion: 75 Resp: 36366
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#
 39 26.6 35.6 53.4#



#57
 1,3-Dichloropropane
 Concen: 5.35 ug/l
 RT: 10.737 min Scan# 2798
 Delta R.T. 0.058 min
 Lab File: VN065471.D
 Acq: 11 Jan 2021 16:30

Tgt Ion: 76 Resp: 21366
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

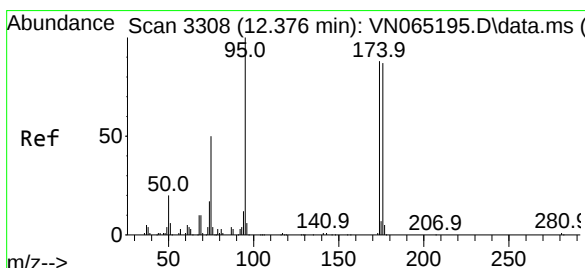
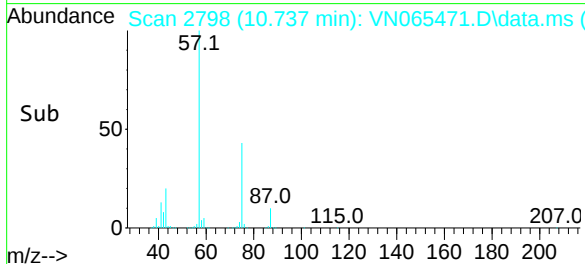
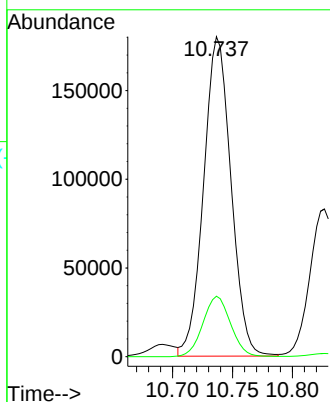
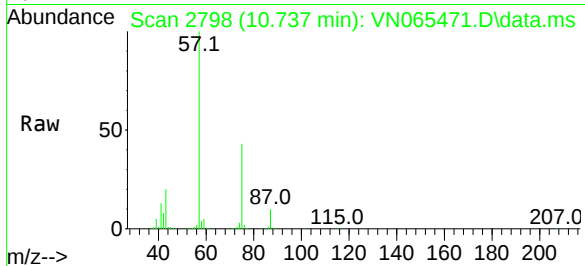




#59
2-Hexanone
Concen: 123.94 ug/l
RT: 10.737 min Scan# 2798
Delta R.T. 0.013 min
Lab File: VN065471.D
Acq: 11 Jan 2021 16:30

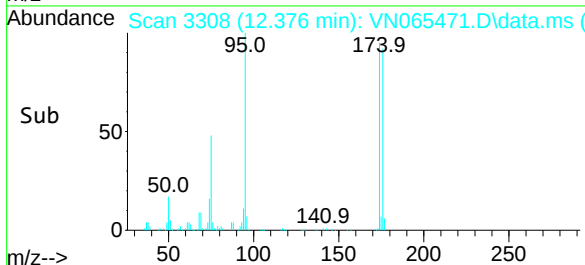
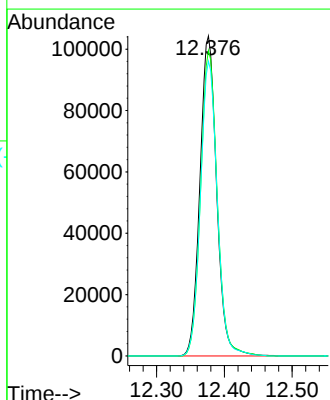
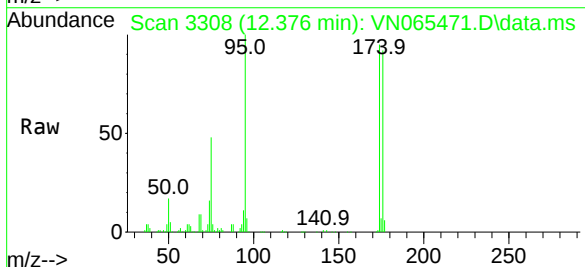
Instrument :
MSVOA_N
ClientSampled :

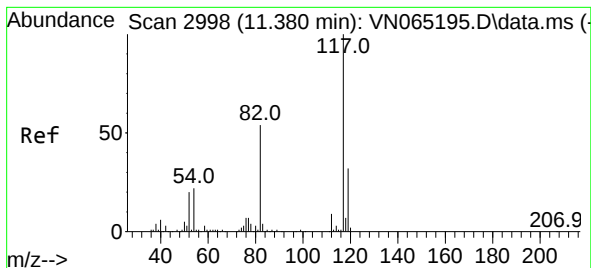
Tgt Ion: 43 Resp: 285750
Ion Ratio Lower Upper
43 100
58 19.2 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 54.93 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065471.D
Acq: 11 Jan 2021 16:30

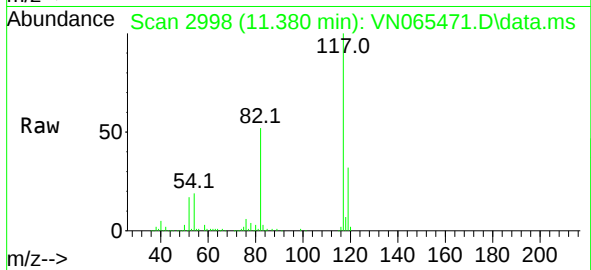
Tgt Ion: 95 Resp: 178202
Ion Ratio Lower Upper
95 100
174 95.1 0.0 160.4
176 92.9 0.0 158.4



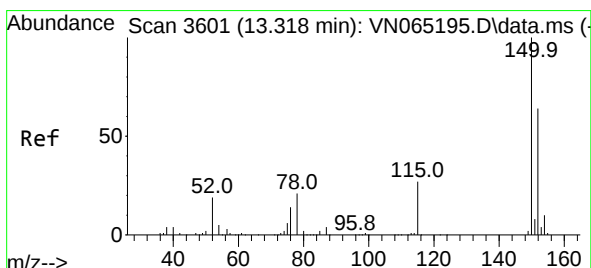
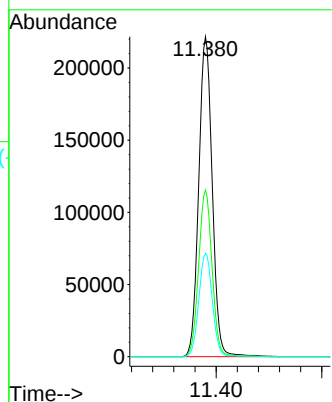
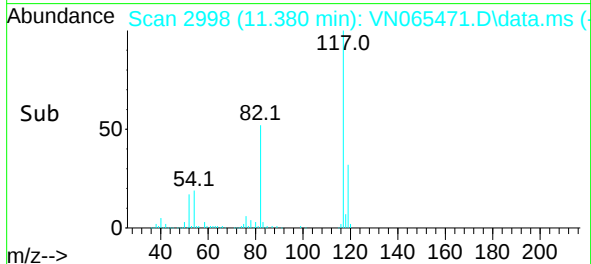


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065471.D
Acq: 11 Jan 2021 16:30

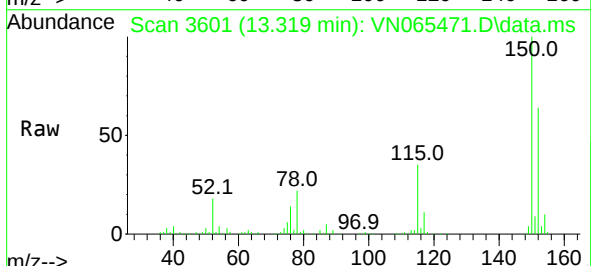
Instrument :
MSVOA_N
ClientSampleId :



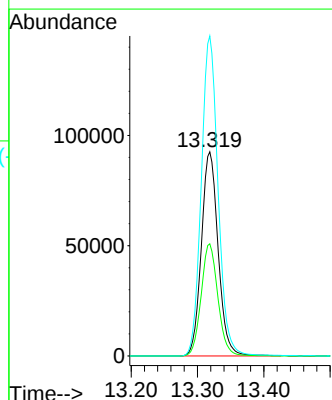
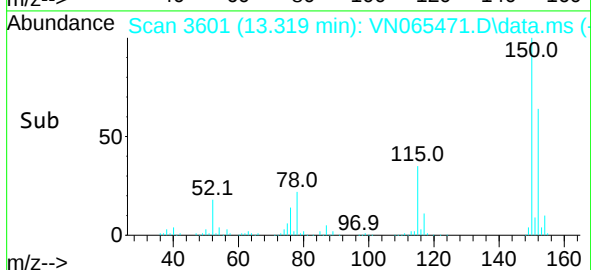
Tgt Ion:117 Resp: 392804
Ion Ratio Lower Upper
117 100
82 52.1 44.2 66.2
119 32.3 25.8 38.6

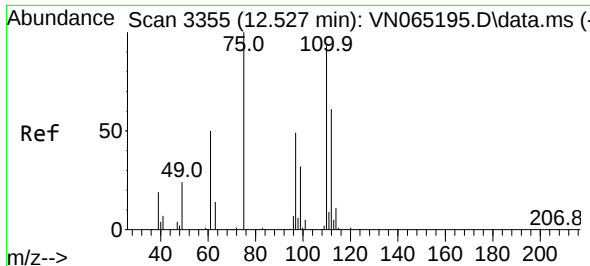


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.319 min Scan# 3601
Delta R.T. 0.001 min
Lab File: VN065471.D
Acq: 11 Jan 2021 16:30



Tgt Ion:152 Resp: 162615
Ion Ratio Lower Upper
152 100
115 54.8 29.7 89.1
150 156.3 0.0 350.6

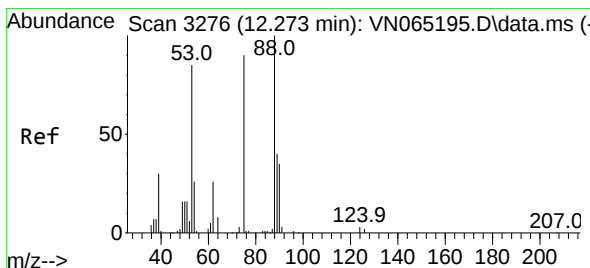
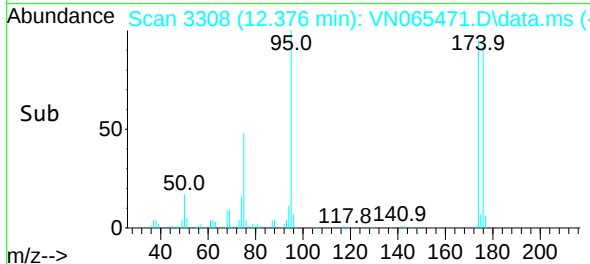
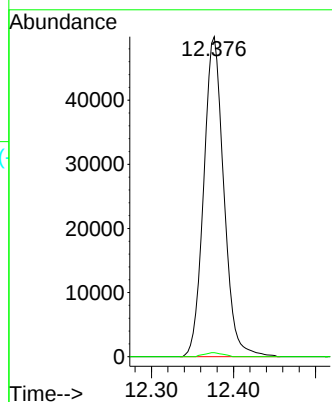
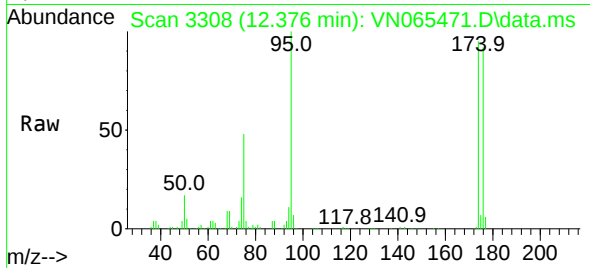




#76
1,2,3-Trichloropropane
Concen: 25.64 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065471.D
Acq: 11 Jan 2021 16:30

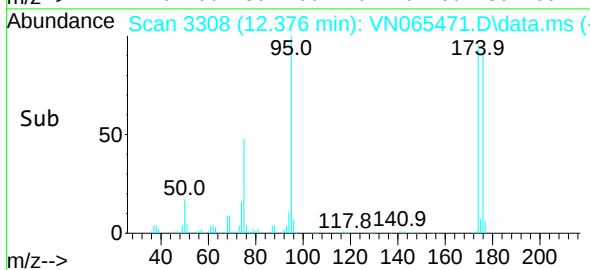
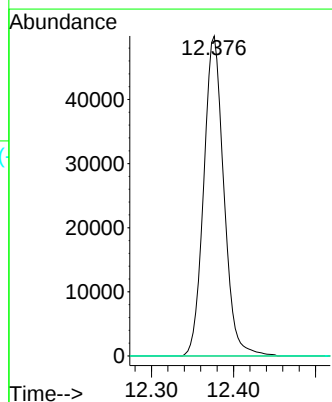
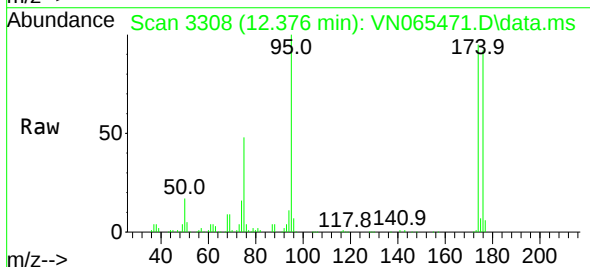
Instrument :
MSVOA_N
ClientSampled :

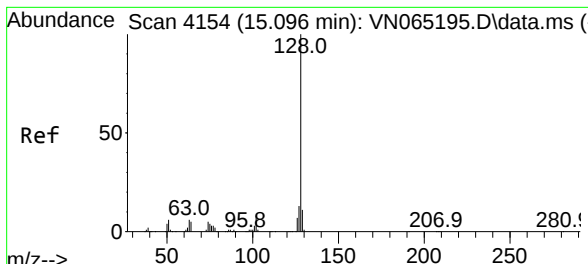
Tgt Ion: 75 Resp: 85049
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.64 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065471.D
Acq: 11 Jan 2021 16:30

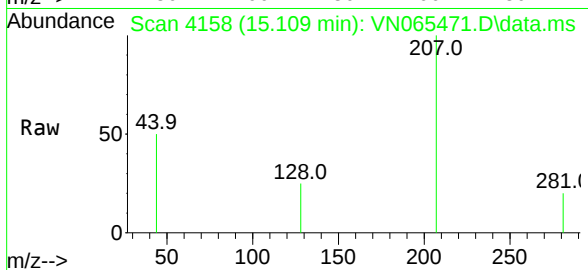
Tgt Ion: 75 Resp: 85049
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#





#95
 Naphthalene
 Concen: 3.38 ug/l
 RT: 15.109 min Scan# 4158
 Delta R.T. 0.013 min
 Lab File: VN065471.D
 Acq: 11 Jan 2021 16:30

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:128 Resp: 98
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 0.0 8.7 13.1#

