

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022221\
 Data File : VN065961.D
 Acq On : 22 Feb 2021 15:44
 Operator : JC/MD
 Sample : M1418-04DL 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 23 00:09:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 17 15:48:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.631	168	151932	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	252353	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	228845	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	93463	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	96492	45.42	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	90.84%
35) Dibromofluoromethane	7.553	113	73540	47.09	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.18%
50) Toluene-d8	10.058	98	306374	47.79	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.58%
62) 4-Bromofluorobenzene	12.373	95	111355	46.27	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	92.54%

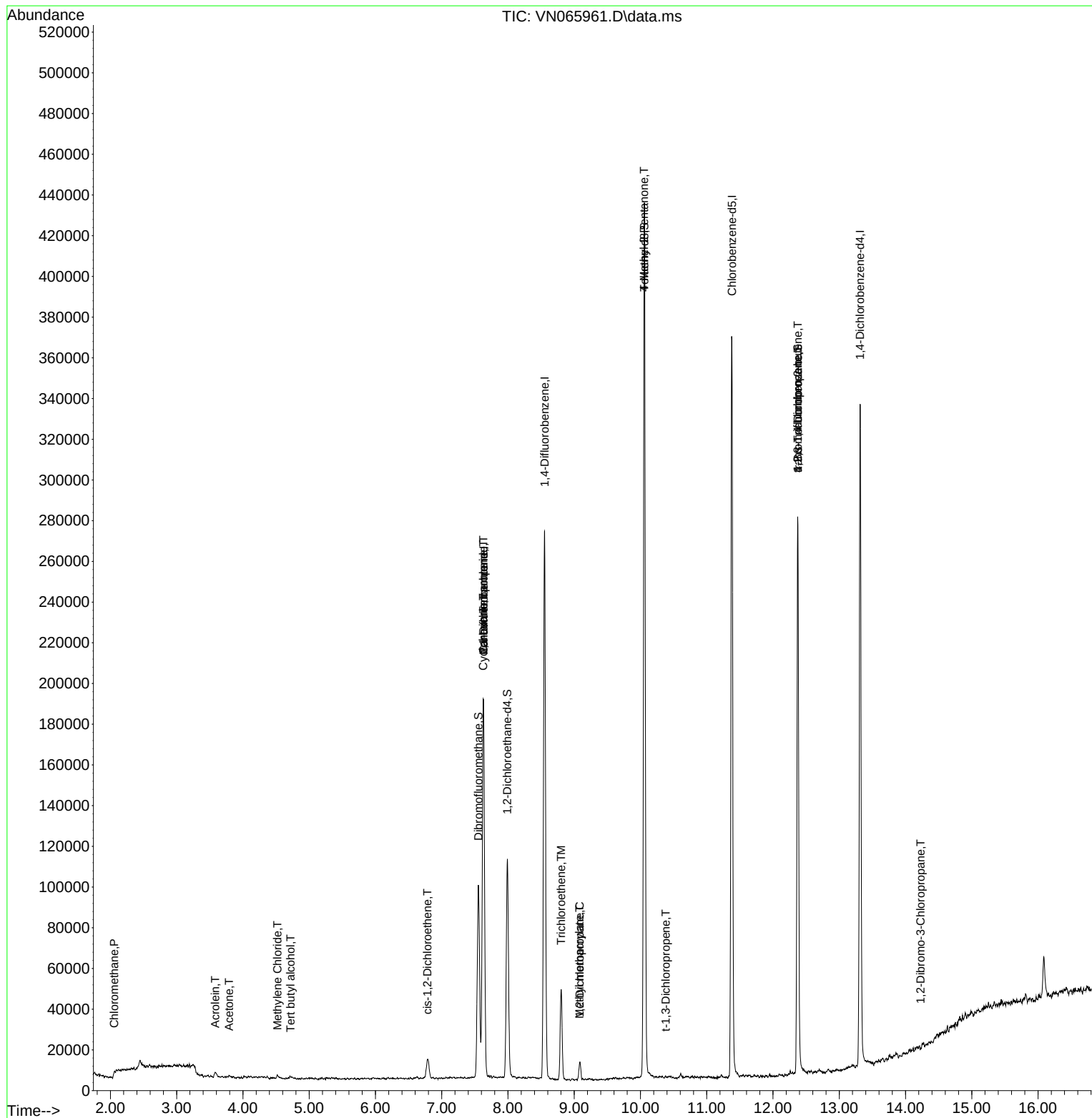
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.055	50	1416	0.57	ug/l	98
11) Tert butyl alcohol	4.717	59	591	2.00	ug/l #	73
13) Acrolein	3.582	56	2393	8.85	ug/l	89
16) Acetone	3.791	43	1721	0.98	ug/l #	41
20) Methylene Chloride	4.521	84	824	0.42	ug/l #	79
27) cis-1,2-Dichloroethene	6.785	96	5512	2.70	ug/l	94
31) Cyclohexane	7.624	56	2931	0.93	ug/l #	1
36) 1,1-Dichloropropene	7.627	75	12474	5.01	ug/l #	47
38) Carbon Tetrachloride	7.627	117	15433	6.67	ug/l #	17
44) Trichloroethene	8.804	130	16457	8.72	ug/l	98
45) 1,2-Dichloropropane	9.084	63	3650	1.87	ug/l	100
48) Methyl methacrylate	9.081	41	2080	1.15	ug/l #	33
51) 4-Methyl-2-Pentanone	10.055	43	1466	0.67	ug/l #	1
53) t-1,3-Dichloropropene	10.380	75	210	2.05	ug/l #	42
76) 1,2,3-Trichloropropane	12.373	75	53895	24.00	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	53895	76.50	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.228	75	88	1.04	ug/l #	1

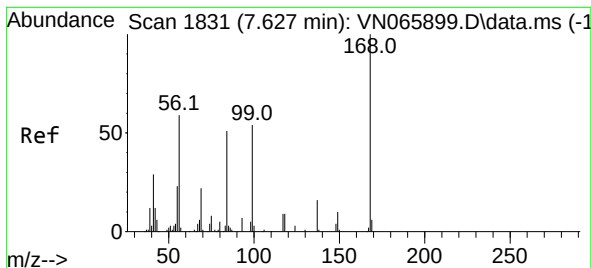
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021721W.M
Quant Title : SW846 8260
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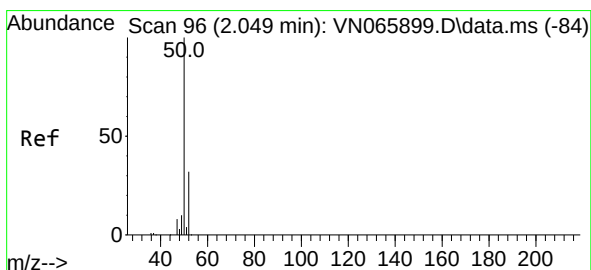
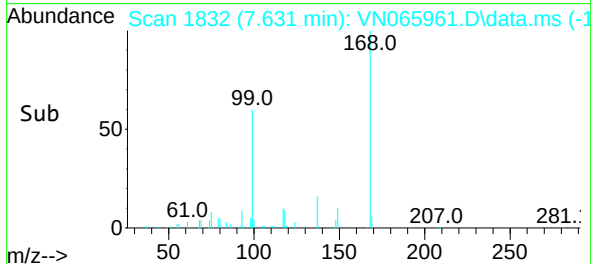
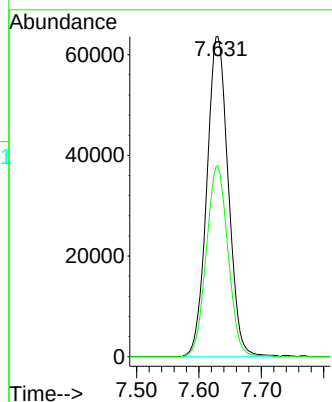
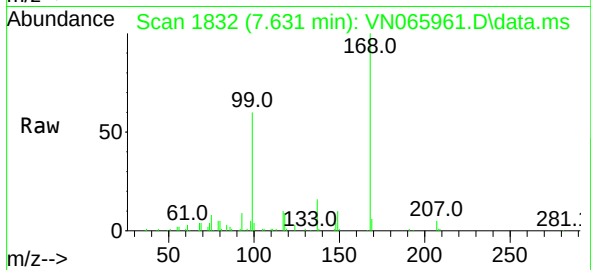


#1

Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.631 min Scan# 1832
 Delta R.T. 0.004 min
 Lab File: VN065961.D
 Acq: 22 Feb 2021 15:44

Instrument :
 MSVOA_N
 ClientSampled :

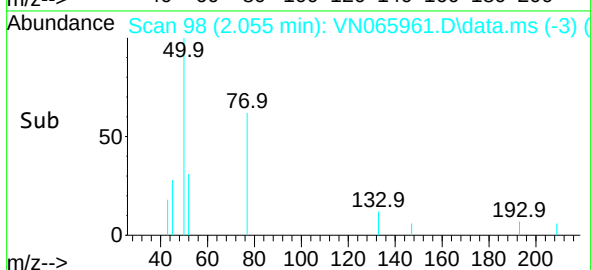
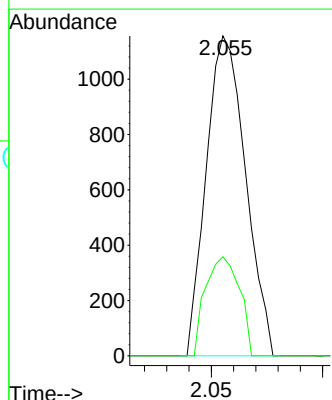
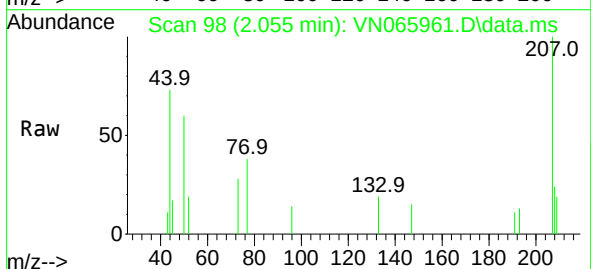
Tgt Ion:168 Resp: 151932
 Ion Ratio Lower Upper
 168 100
 99 59.6 42.6 63.8

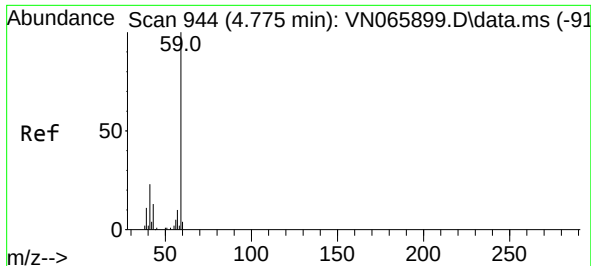


#3

Chloromethane
 Concen: 0.57 ug/l
 RT: 2.055 min Scan# 98
 Delta R.T. 0.006 min
 Lab File: VN065961.D
 Acq: 22 Feb 2021 15:44

Tgt Ion: 50 Resp: 1416
 Ion Ratio Lower Upper
 50 100
 52 31.0 25.8 38.8

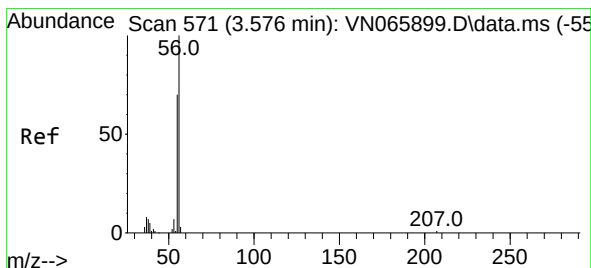
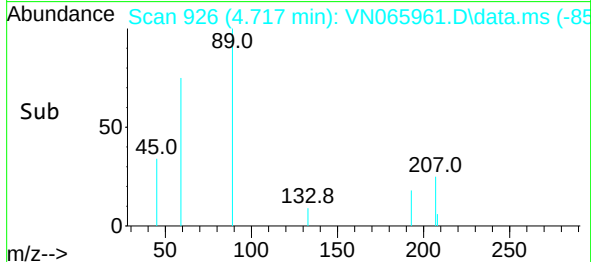
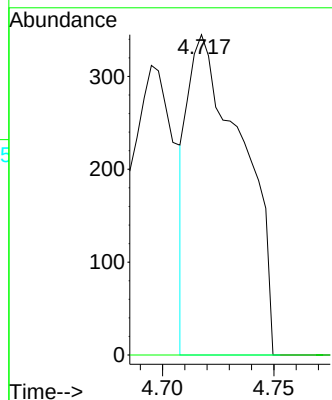
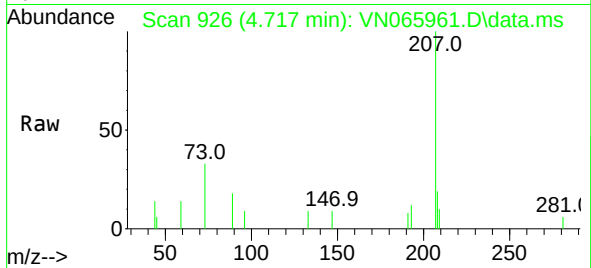




#11
Tert butyl alcohol
Concen: 2.00 ug/l
RT: 4.717 min Scan# 926
Delta R.T. -0.058 min
Lab File: VN065961.D
Acq: 22 Feb 2021 15:44

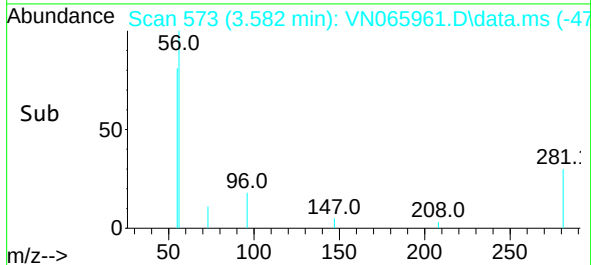
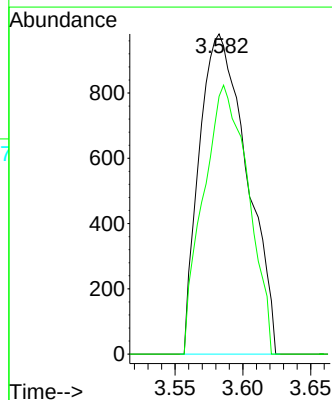
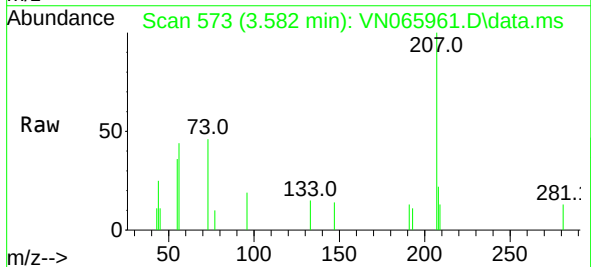
Instrument :
MSVOA_N
ClientSampled :

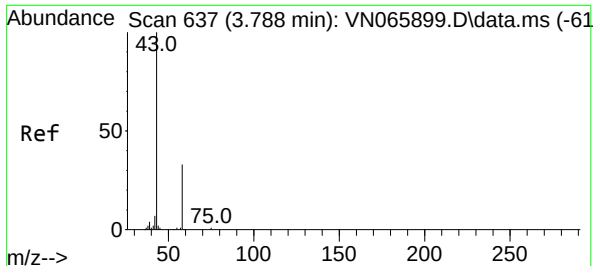
Tgt Ion: 59 Resp: 591
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#13
Acrolein
Concen: 8.85 ug/l
RT: 3.582 min Scan# 573
Delta R.T. 0.006 min
Lab File: VN065961.D
Acq: 22 Feb 2021 15:44

Tgt Ion: 56 Resp: 2393
Ion Ratio Lower Upper
56 100
55 79.2 56.0 84.0

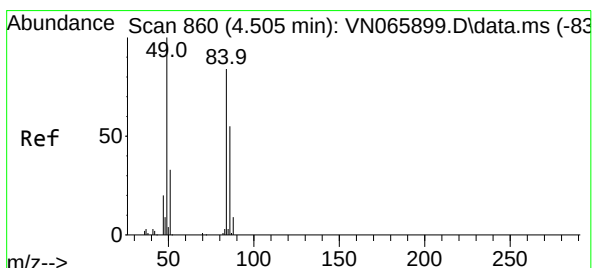
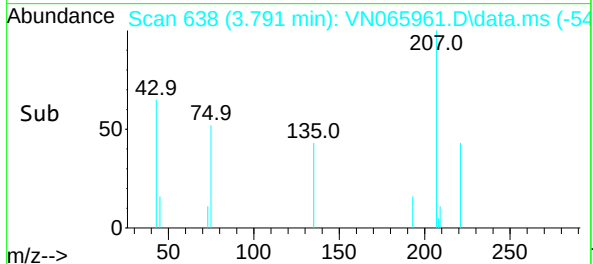
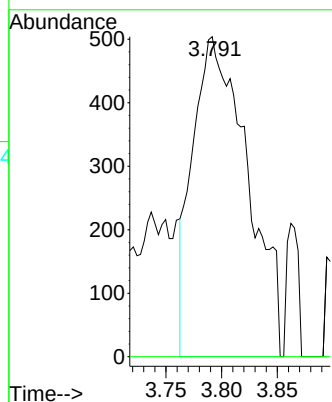
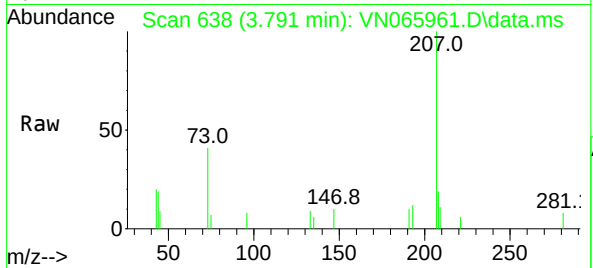




#16
Acetone
Concen: 0.98 ug/l
RT: 3.791 min Scan# 638
Delta R.T. 0.003 min
Lab File: VN065961.D
Acq: 22 Feb 2021 15:44

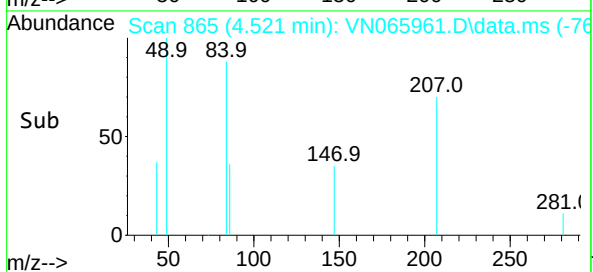
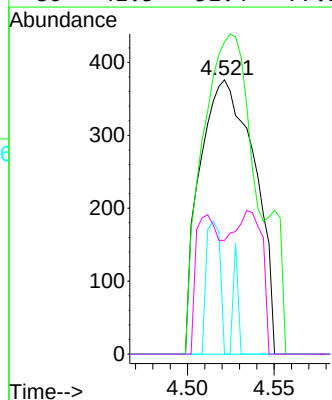
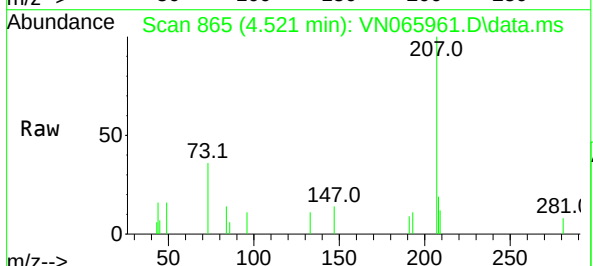
Instrument :
MSVOA_N
ClientSampleId :

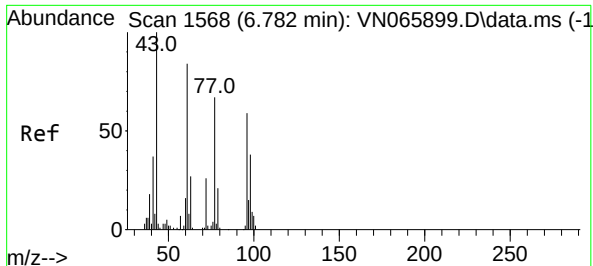
Tgt Ion: 43 Resp: 1721
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.6#



#20
Methylene Chloride
Concen: 0.42 ug/l
RT: 4.521 min Scan# 865
Delta R.T. 0.016 min
Lab File: VN065961.D
Acq: 22 Feb 2021 15:44

Tgt Ion: 84 Resp: 824
Ion Ratio Lower Upper
84 100
49 113.8 94.6 141.8
51 0.0 29.9 44.9#
86 41.5 51.4 77.2#

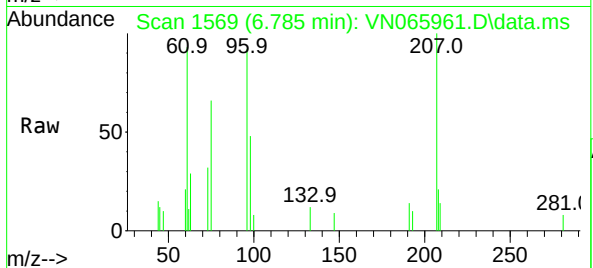




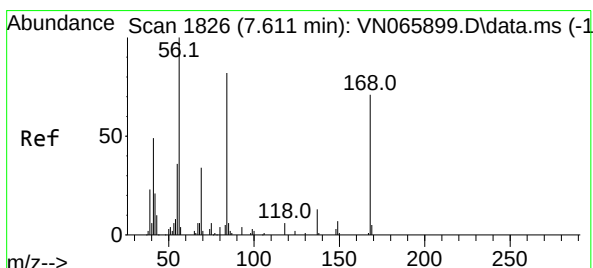
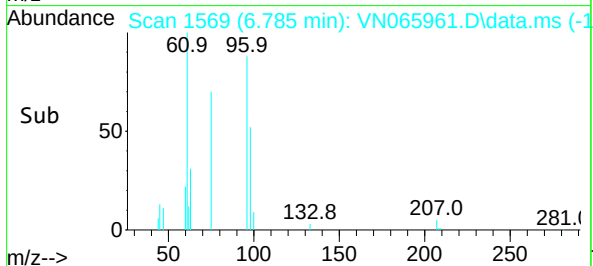
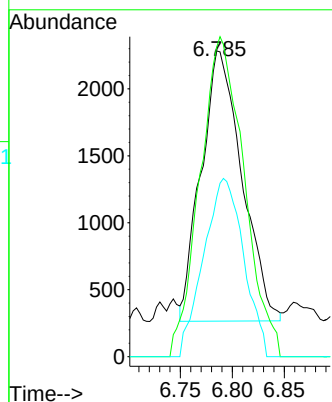
#27

cis-1,2-Dichloroethene
Concen: 2.70 ug/l
RT: 6.785 min Scan# 1569
Delta R.T. 0.003 min
Lab File: VN065961.D
Acq: 22 Feb 2021 15:44

Instrument :
MSVOA_N
ClientSampled :



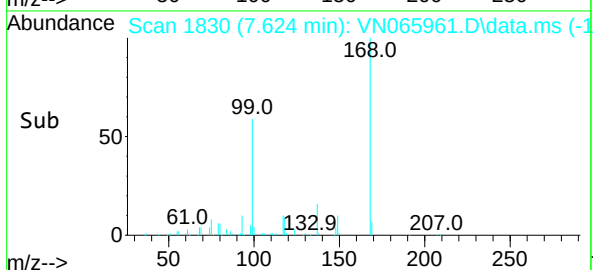
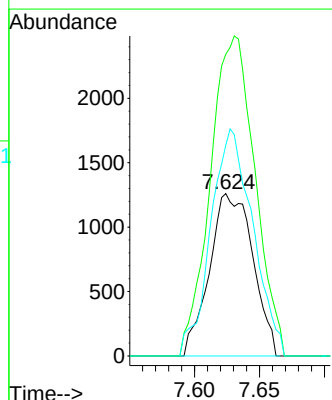
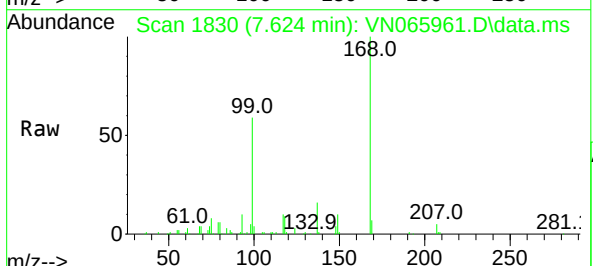
Tgt Ion:	96	Resp:	5512
Ion	Ratio	Lower	Upper
96	100		
61	127.4	0.0	276.8
98	64.4	0.0	129.4

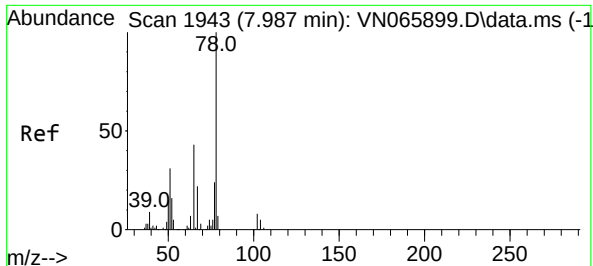


#31

Cyclohexane
Concen: 0.93 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. 0.013 min
Lab File: VN065961.D
Acq: 22 Feb 2021 15:44

Tgt Ion:	56	Resp:	2931
Ion	Ratio	Lower	Upper
56	100		
69	185.7	26.6	39.8#
84	129.8	70.4	105.6#





#33

1,2-Dichloroethane-d4

Concen: 45.42 ug/l

RT: 7.991 min Scan# 1944

Delta R.T. 0.004 min

Lab File: VN065961.D

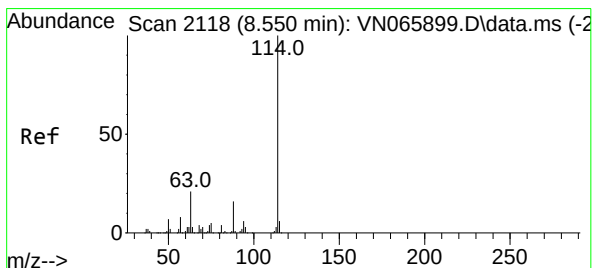
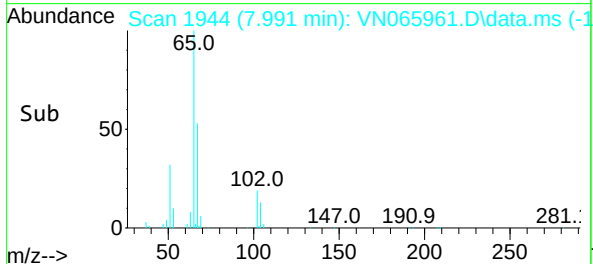
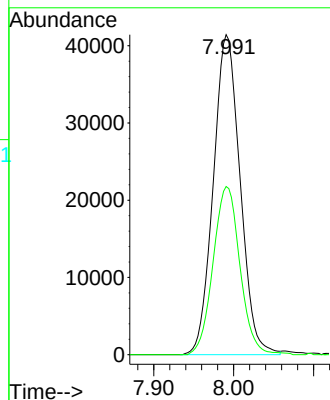
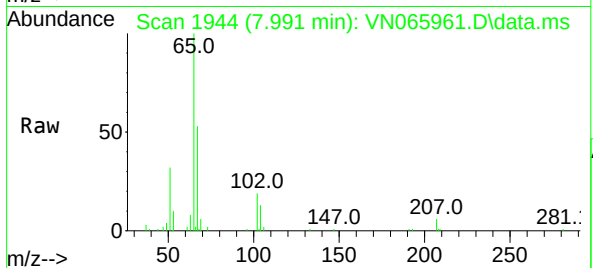
Acq: 22 Feb 2021 15:44

Tgt Ion: 65 Resp: 96492

Ion Ratio Lower Upper

65 100

67 52.6 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.553 min Scan# 2119

Delta R.T. 0.003 min

Lab File: VN065961.D

Acq: 22 Feb 2021 15:44

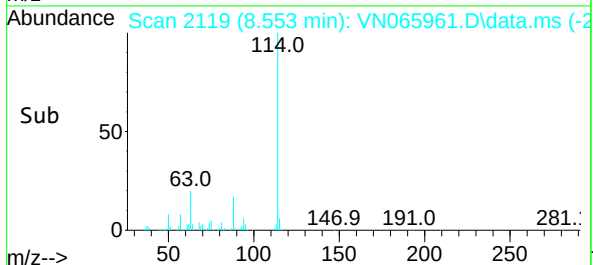
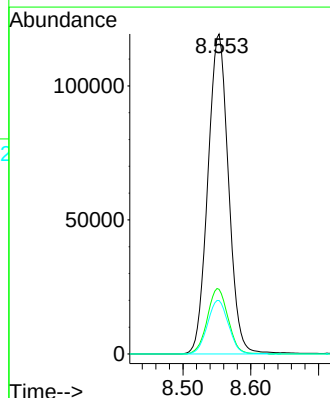
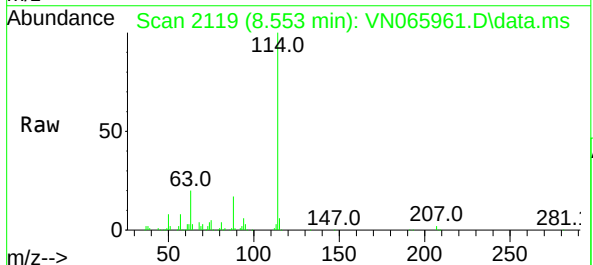
Tgt Ion: 114 Resp: 252353

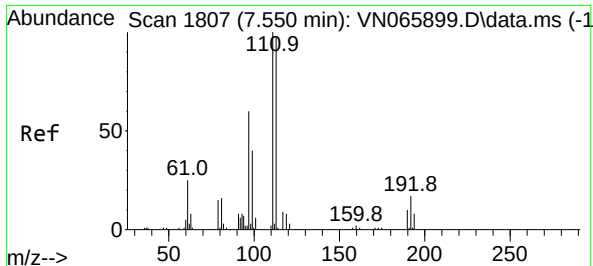
Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.6

88 16.7 0.0 30.6

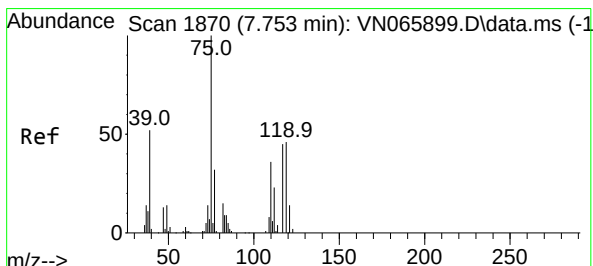
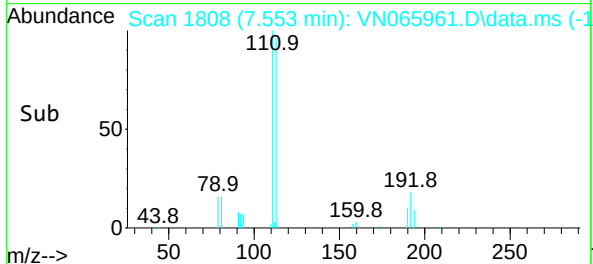
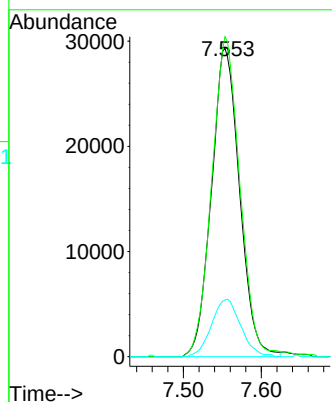
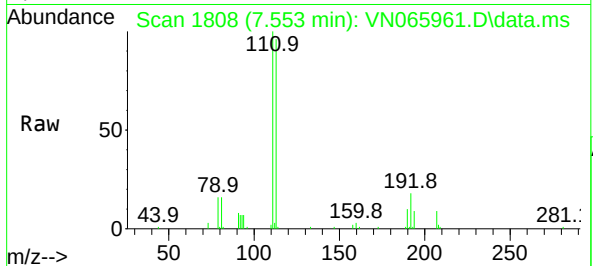




#35
Dibromofluoromethane
Concen: 47.09 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN065961.D
Acq: 22 Feb 2021 15:44

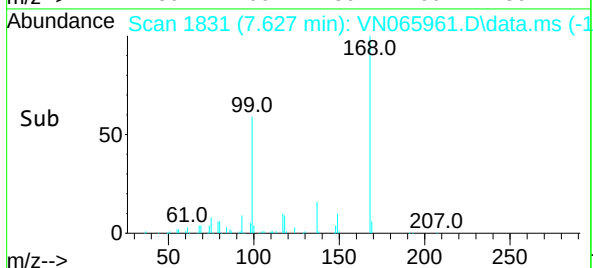
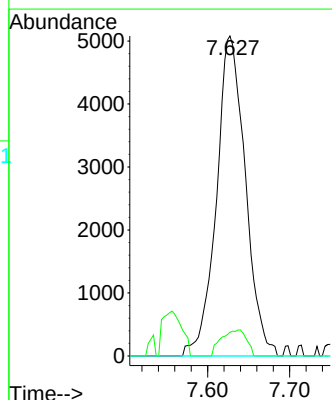
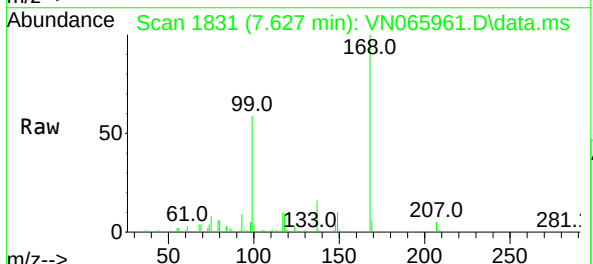
Instrument :
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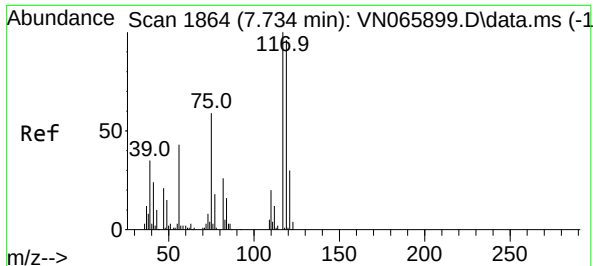
Tgt Ion:113 Resp: 73540
Ion Ratio Lower Upper
113 100
111 104.4 82.2 123.2
192 19.4 15.4 23.0



#36
1,1-Dichloropropene
Concen: 5.01 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN065961.D
Acq: 22 Feb 2021 15:44

Tgt Ion: 75 Resp: 12474
Ion Ratio Lower Upper
75 100
110 7.1 18.2 54.6#
77 0.0 24.9 37.3#

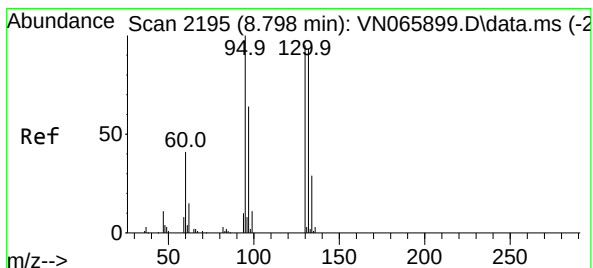
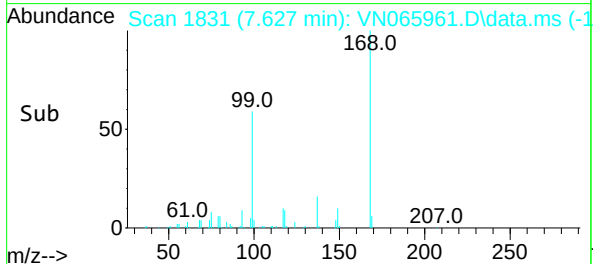
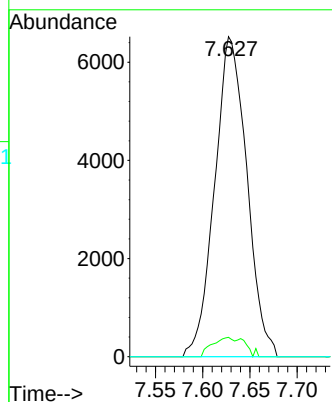
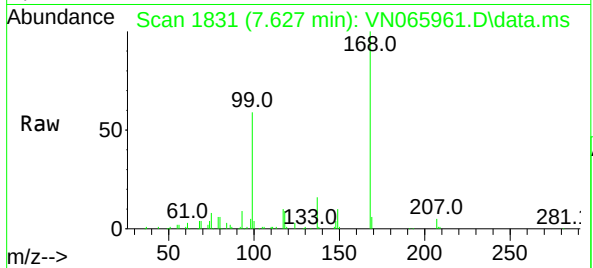




#38
Carbon Tetrachloride
Concen: 6.67 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.107 min
Lab File: VN065961.D
Acq: 22 Feb 2021 15:44

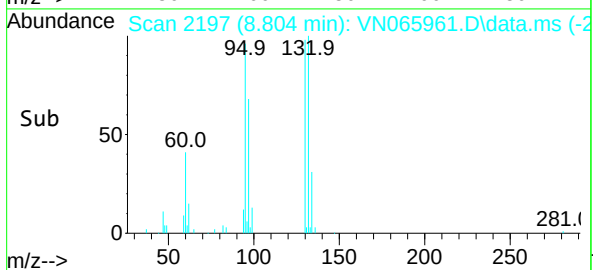
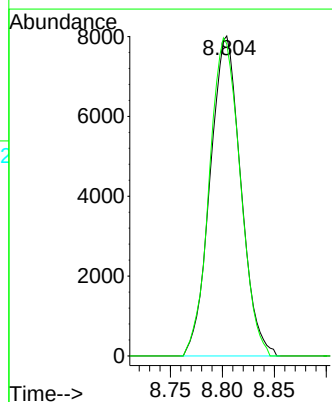
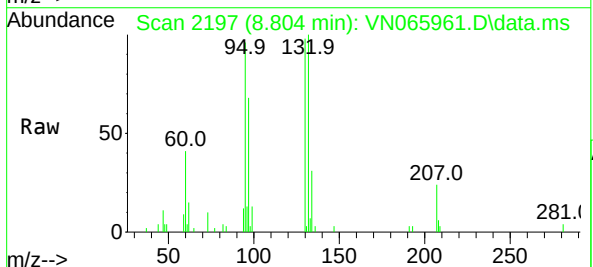
Instrument :
MSVOA_N
ClientSampleId :

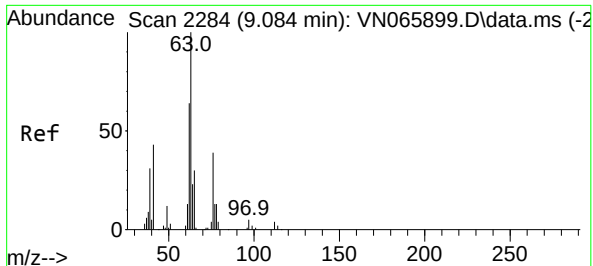
Tgt Ion:117 Resp: 15433
Ion Ratio Lower Upper
117 100
119 6.1 76.0 114.0#
121 0.0 24.5 36.7#



#44
Trichloroethene
Concen: 8.72 ug/l
RT: 8.804 min Scan# 2197
Delta R.T. 0.006 min
Lab File: VN065961.D
Acq: 22 Feb 2021 15:44

Tgt Ion:130 Resp: 16457
Ion Ratio Lower Upper
130 100
95 97.5 0.0 199.6





#45

1,2-Dichloropropane

Concen: 1.87 ug/l

RT: 9.084 min Scan# 2284

Delta R.T. -0.000 min

Lab File: VN065961.D

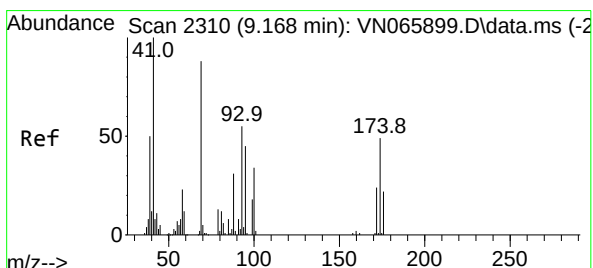
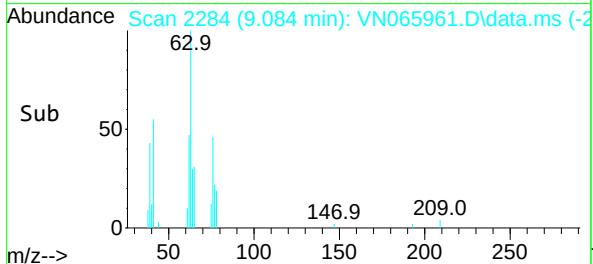
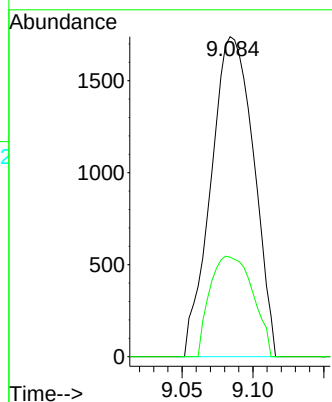
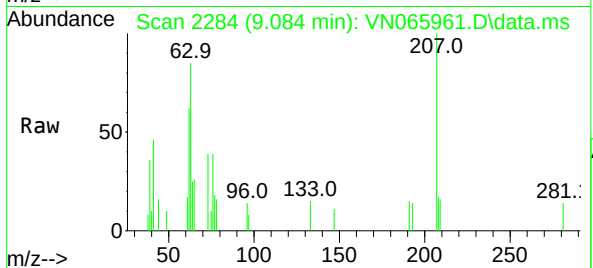
Acq: 22 Feb 2021 15:44

Tgt Ion: 63 Resp: 3650

Ion Ratio Lower Upper

63 100

65 31.1 24.9 37.3



#48

Methyl methacrylate

Concen: 1.15 ug/l

RT: 9.081 min Scan# 2283

Delta R.T. -0.087 min

Lab File: VN065961.D

Acq: 22 Feb 2021 15:44

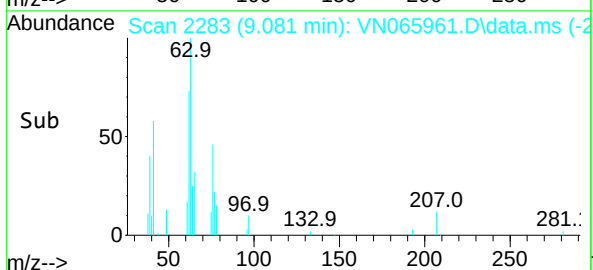
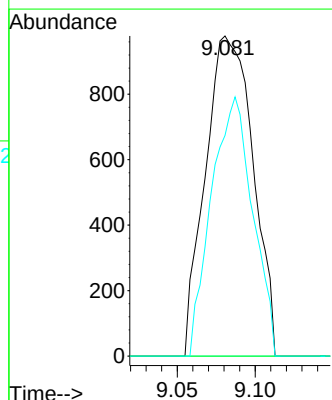
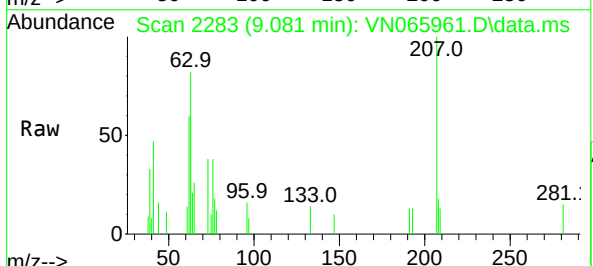
Tgt Ion: 41 Resp: 2080

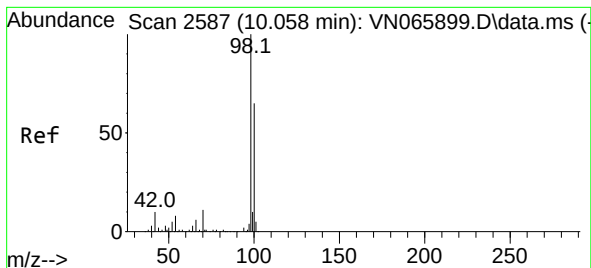
Ion Ratio Lower Upper

41 100

69 0.0 75.9 113.9#

39 70.1 46.6 69.8#

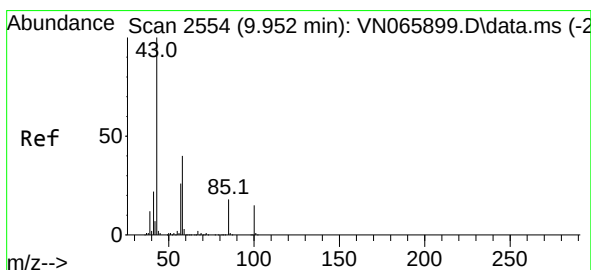
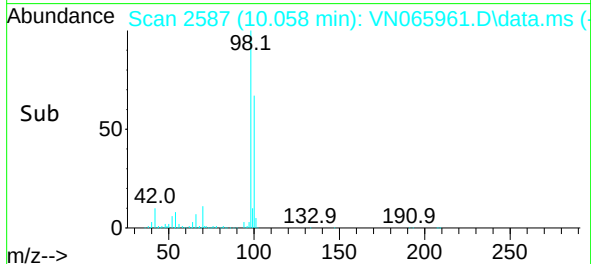
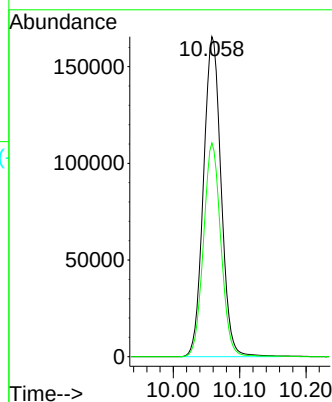
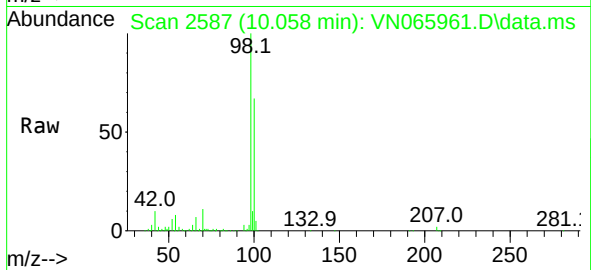




#50
Toluene-d8
Concen: 47.79 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065961.D
Acq: 22 Feb 2021 15:44

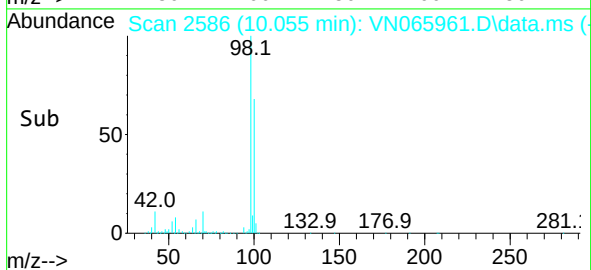
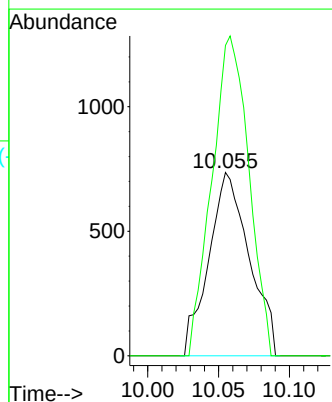
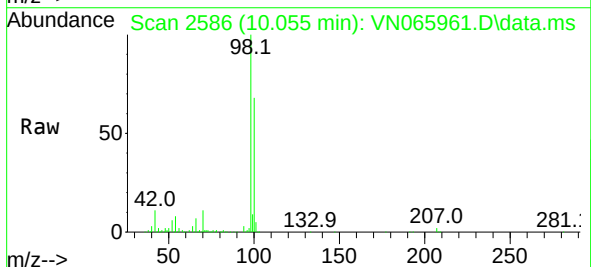
Instrument :
MSVOA_N
ClientSampled :

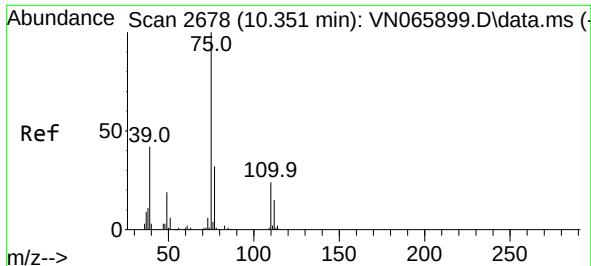
Tgt Ion: 98 Resp: 306374
Ion Ratio Lower Upper
98 100
100 66.0 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 0.67 ug/l
RT: 10.055 min Scan# 2586
Delta R.T. 0.103 min
Lab File: VN065961.D
Acq: 22 Feb 2021 15:44

Tgt Ion: 43 Resp: 1466
Ion Ratio Lower Upper
43 100
58 158.9 32.5 48.7#

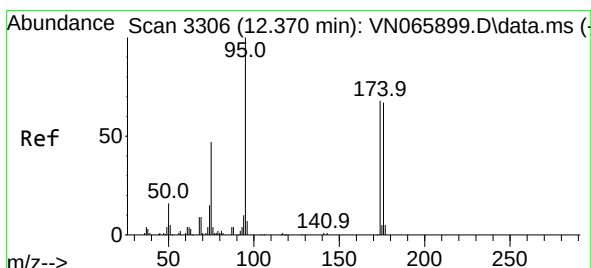
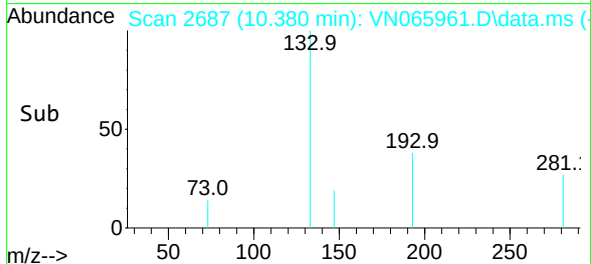
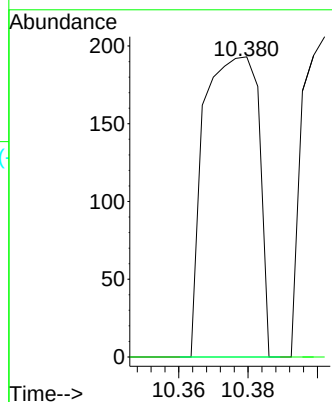
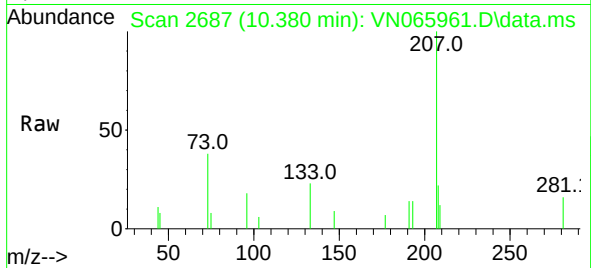




#53
t-1,3-Dichloropropene
Concen: 2.05 ug/l
RT: 10.380 min Scan# 2687
Delta R.T. 0.029 min
Lab File: VN065961.D
Acq: 22 Feb 2021 15:44

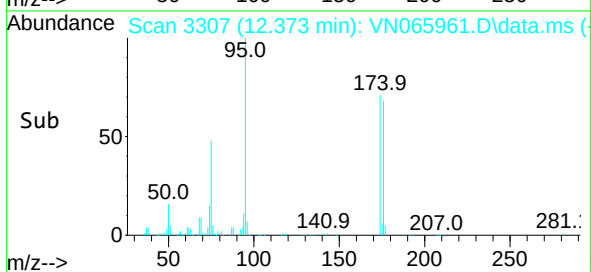
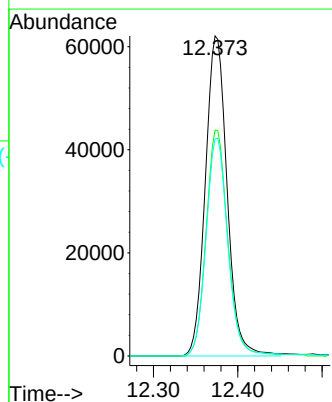
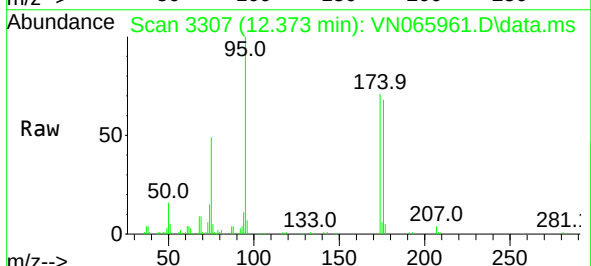
Instrument :
MSVOA_N
ClientSampleId :

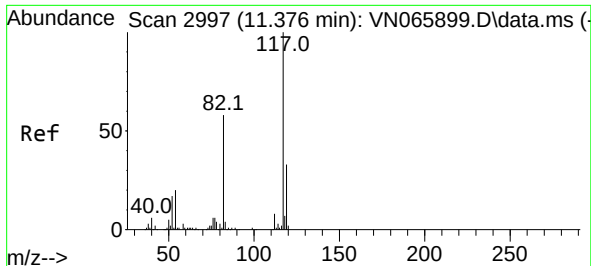
Tgt Ion: 75 Resp: 210
Ion Ratio Lower Upper
75 100
77 0.0 26.2 39.4#



#62
4-Bromofluorobenzene
Concen: 46.27 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.003 min
Lab File: VN065961.D
Acq: 22 Feb 2021 15:44

Tgt Ion: 95 Resp: 111355
Ion Ratio Lower Upper
95 100
174 70.8 0.0 169.0
176 68.9 0.0 162.4

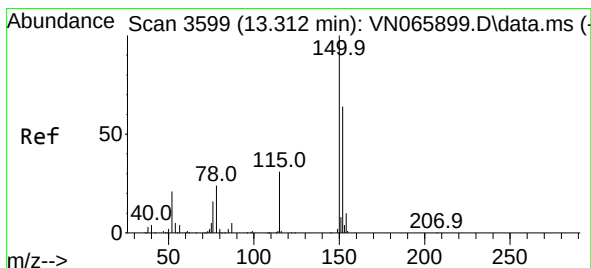
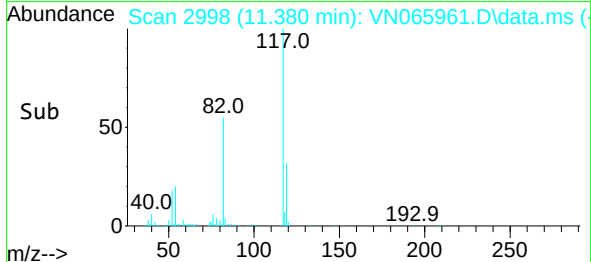
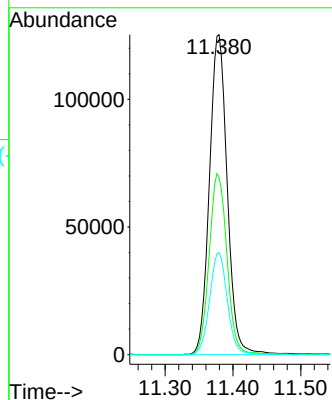
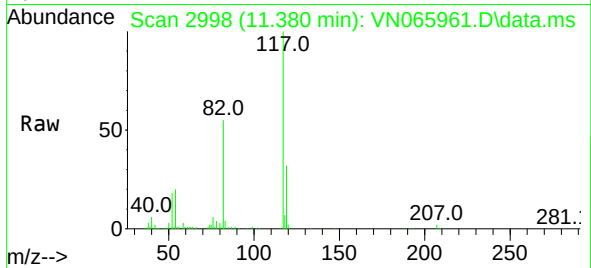




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. 0.004 min
Lab File: VN065961.D
Acq: 22 Feb 2021 15:44

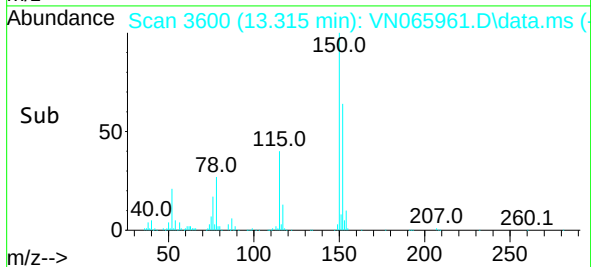
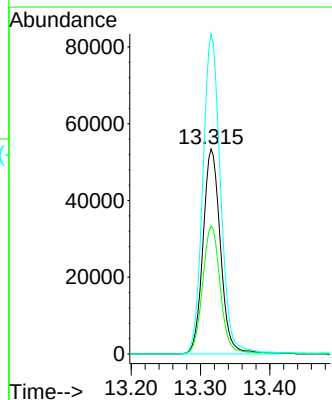
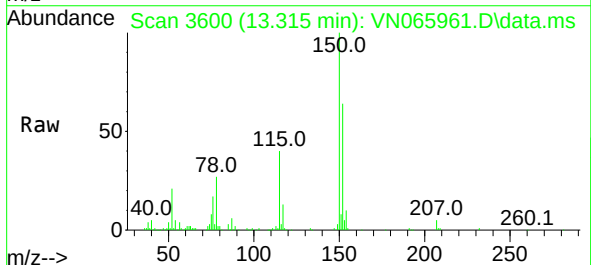
Instrument :
MSVOA_N
ClientSampleId :

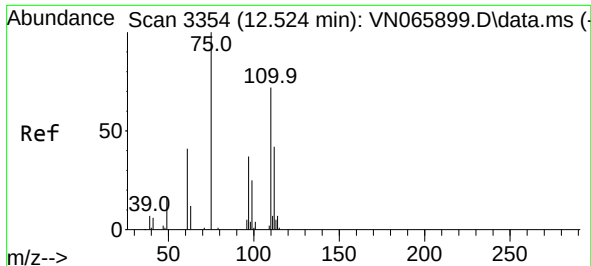
Tgt Ion:117 Resp: 228845
Ion Ratio Lower Upper
117 100
82 55.5 43.7 65.5
119 31.9 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN065961.D
Acq: 22 Feb 2021 15:44

Tgt Ion:152 Resp: 93463
Ion Ratio Lower Upper
152 100
115 63.3 28.5 85.6
150 157.5 0.0 347.6

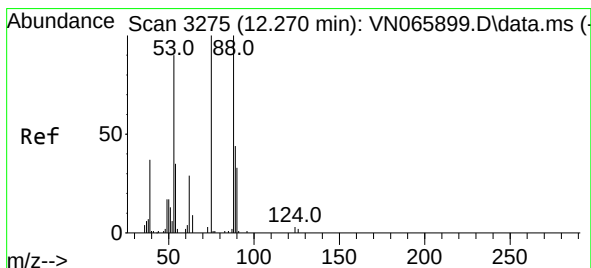
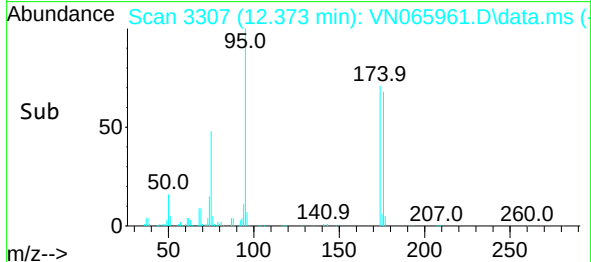
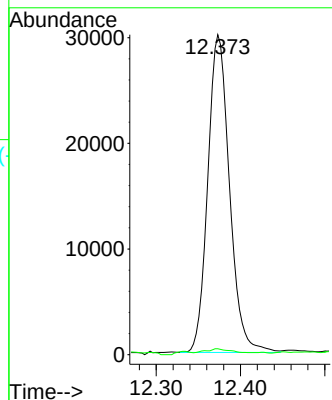
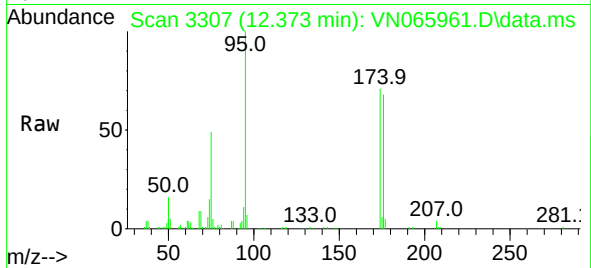




#76
1,2,3-Trichloropropane
Concen: 24.00 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN065961.D
Acq: 22 Feb 2021 15:44

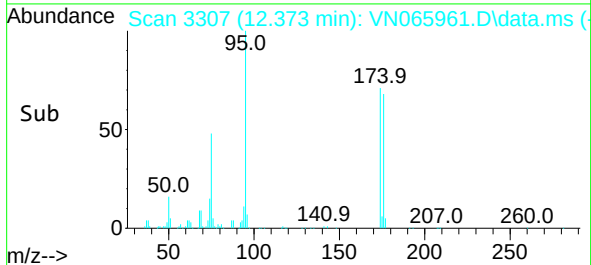
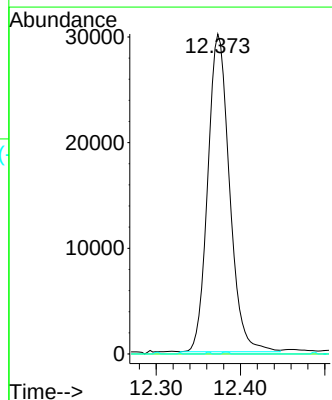
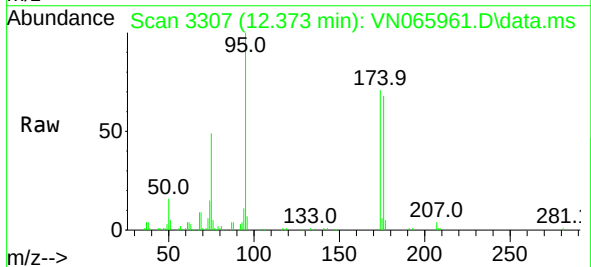
Instrument :
MSVOA_N
ClientSampled :

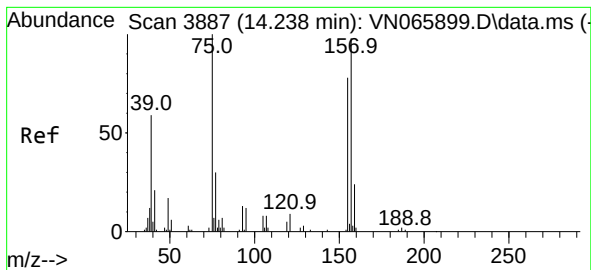
Tgt Ion: 75 Resp: 53895
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.50 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN065961.D
Acq: 22 Feb 2021 15:44

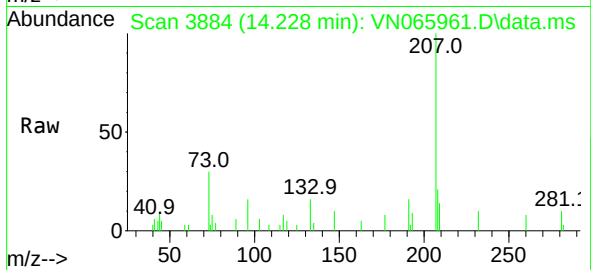
Tgt Ion: 75 Resp: 53895
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.2 35.8 53.8#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.04 ug/l
 RT: 14.228 min Scan# 3884
 Delta R.T. -0.010 min
 Lab File: VN065961.D
 Acq: 22 Feb 2021 15:44

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 88
 Ion Ratio Lower Upper
 75 100
 155 0.0 44.1 132.4#
 157 0.0 56.0 168.2#

