

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010721\
 Data File : VN065425.D
 Acq On : 7 Jan 2021 14:26
 Operator : JC/MD
 Sample : M1037-03RE
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EB-01-010621RE

Quant Time: Jan 08 01:17:35 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	7.630	168	259191	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	431772	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.379	117	456858	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	178337	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.990	65	146229	49.97	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.94%
35) Dibromofluoromethane	7.553	113	133765	51.35	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.70%
50) Toluene-d8	10.061	98	544270	55.75	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	111.50%
62) 4-Bromofluorobenzene	12.376	95	201717	52.01	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	104.02%

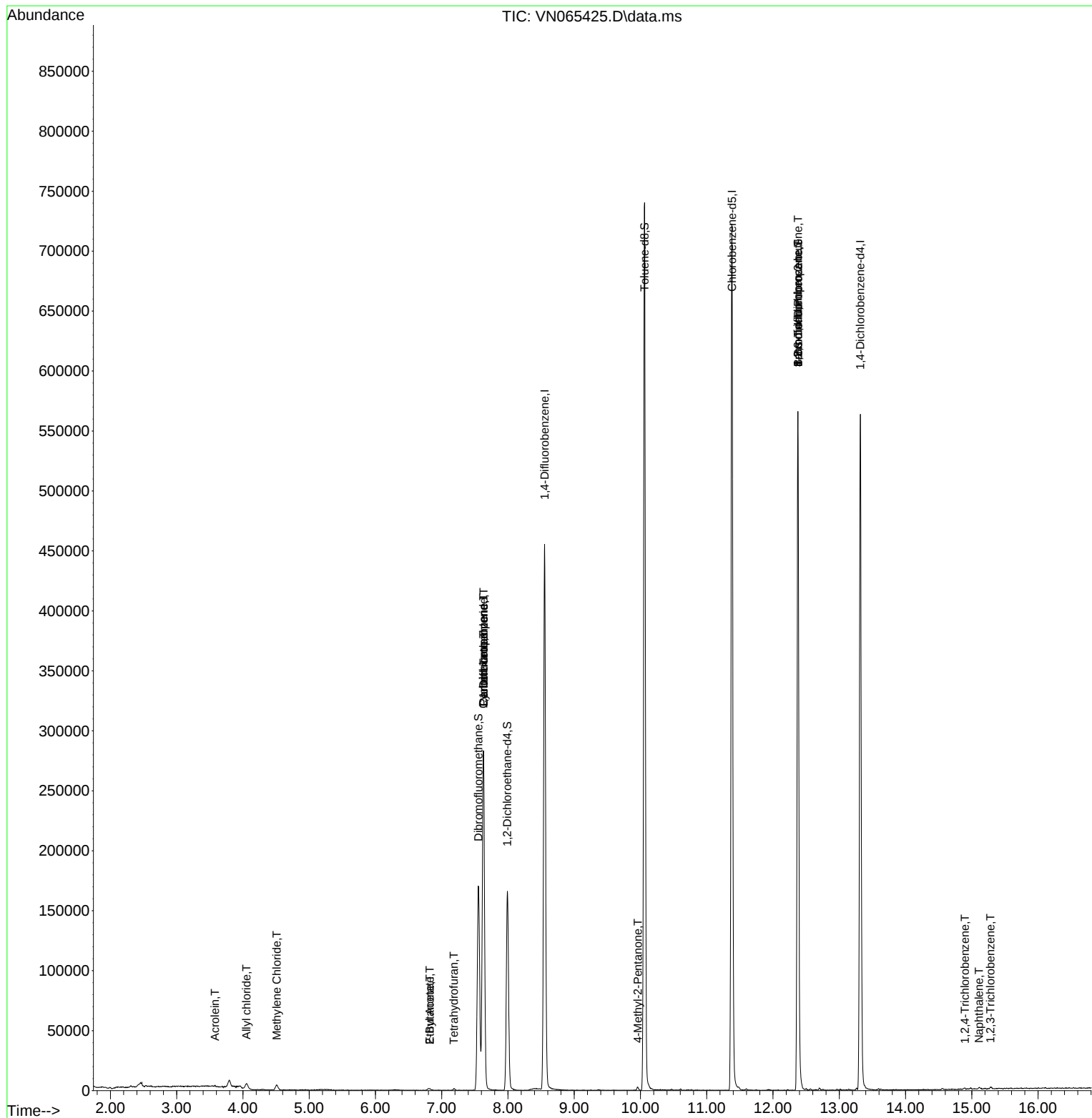
Target Compounds					Qvalue
13) Acrolein	3.579	56	94	2.70 ug/l #	19
14) Allyl chloride	4.052	41	916	0.22 ug/l #	56
16) Acetone	3.795	43	8730	Below Cal	98
20) Methylene Chloride	4.508	84	3537	1.24 ug/l	93
25) 2-Butanone	6.820	43	1796	1.09 ug/l #	87
29) Tetrahydrofuran	7.183	42	1085	1.02 ug/l #	56
31) Cyclohexane	7.627	56	4410	1.02 ug/l #	1
36) 1,1-Dichloropropene	7.627	75	16392	4.18 ug/l #	49
37) Ethyl Acetate	6.820	43	1796	0.46 ug/l #	66
38) Carbon Tetrachloride	7.630	117	21804	5.29 ug/l #	16
51) 4-Methyl-2-Pentanone	9.961	43	2463	0.65 ug/l #	76
71) Bromoform	12.376	173	1284	0.41 ug/l #	1
76) 1,2,3-Trichloropropane	12.376	75	97411	26.77 ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.376	75	97411	67.51 ug/l #	15
93) 1,2,4-Trichlorobenzene	14.897	180	710	3.02 ug/l #	84
95) Naphthalene	15.109	128	2246	3.60 ug/l #	75
96) 1,2,3-Trichlorobenzene	15.283	180	861	3.47 ug/l #	81

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

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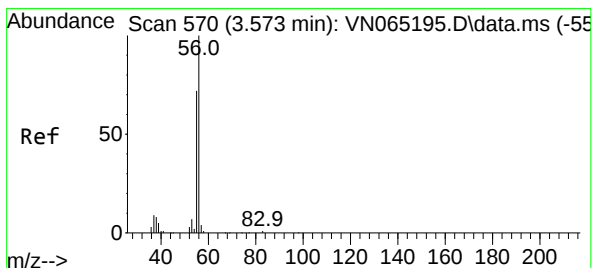
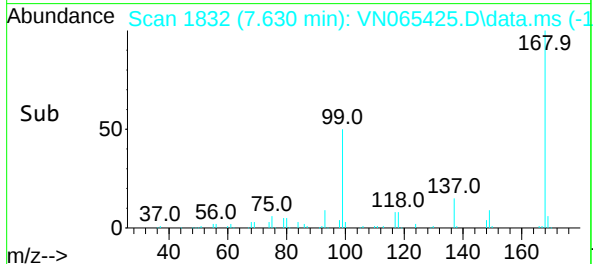
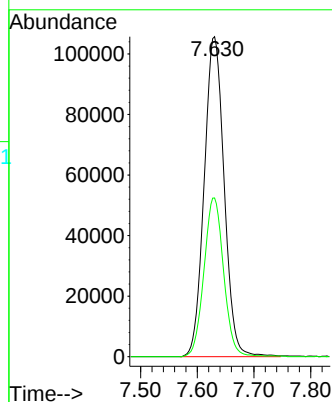
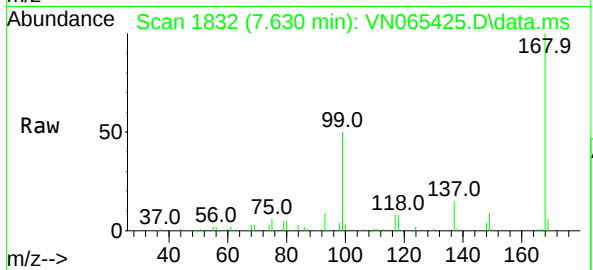




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. 0.003 min
Lab File: VN065425.D
Acq: 7 Jan 2021 14:26

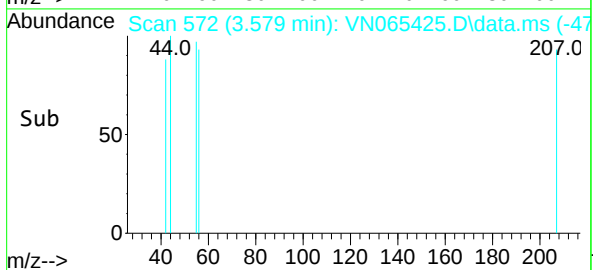
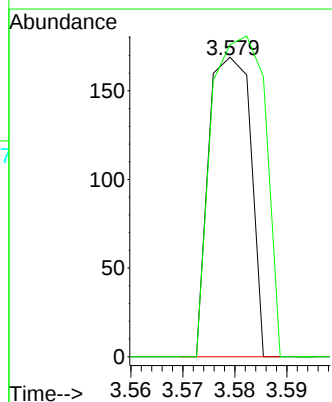
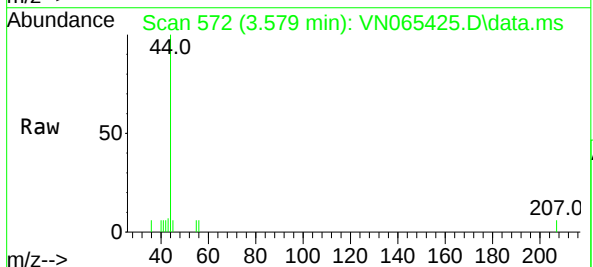
Instrument :
MSVOA_N
ClientSampleId :
EB-01-010621RE

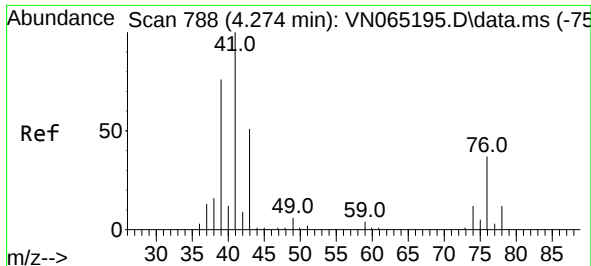
Tgt Ion:168 Resp: 259191
Ion Ratio Lower Upper
168 100
99 49.6 43.0 64.4



#13
Acrolein
Concen: 2.70 ug/l
RT: 3.579 min Scan# 572
Delta R.T. 0.006 min
Lab File: VN065425.D
Acq: 7 Jan 2021 14:26

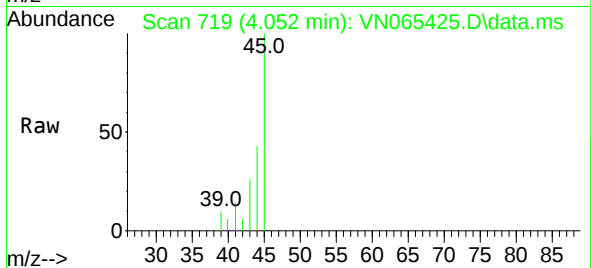
Tgt Ion: 56 Resp: 94
Ion Ratio Lower Upper
56 100
55 137.2 56.5 84.7#



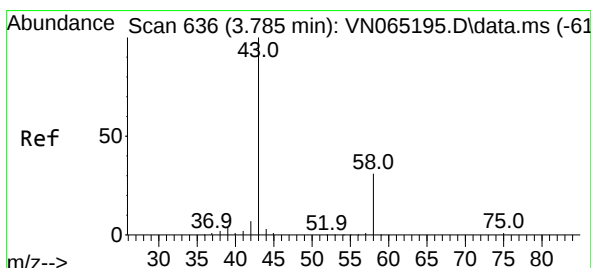
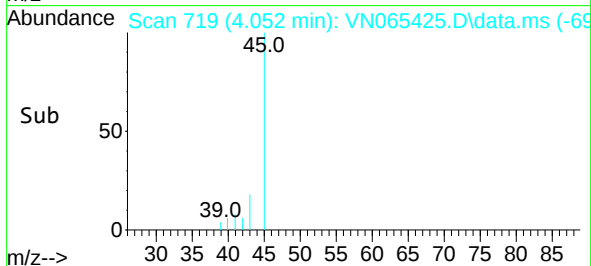
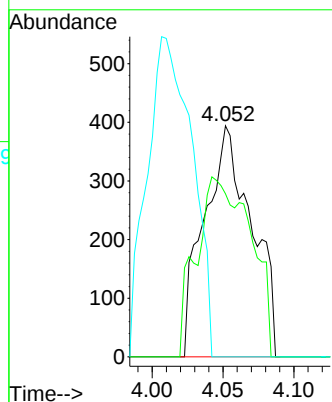


#14
 Allyl chloride
 Concen: 0.22 ug/l
 RT: 4.052 min Scan# 719
 Delta R.T. -0.222 min
 Lab File: VN065425.D
 Acq: 7 Jan 2021 14:26

Instrument :
 MSVOA_N
 ClientSampleId :
 EB-01-010621RE

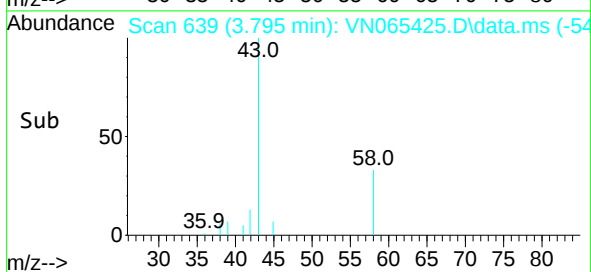
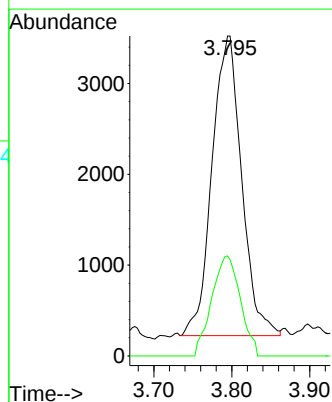
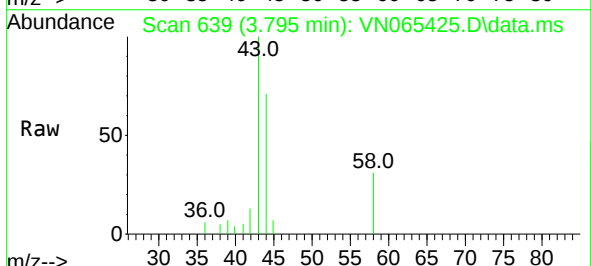


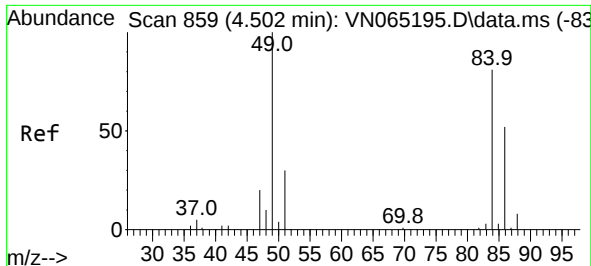
Tgt Ion: 41 Resp: 916
 Ion Ratio Lower Upper
 41 100
 39 89.6 50.9 76.3#
 76 0.0 29.0 43.4#



#16
 Acetone
 Concen: Below Cal
 RT: 3.795 min Scan# 639
 Delta R.T. 0.010 min
 Lab File: VN065425.D
 Acq: 7 Jan 2021 14:26

Tgt Ion: 43 Resp: 8730
 Ion Ratio Lower Upper
 43 100
 58 33.4 25.7 38.5





#20

Methylene Chloride

Concen: 1.24 ug/l

RT: 4.508 min Scan# 861

Delta R.T. 0.006 min

Lab File: VN065425.D

Acq: 7 Jan 2021 14:26

Instrument :

MSVOA_N

ClientSampleId :

EB-01-010621RE

Tgt Ion: 84 Resp: 3537

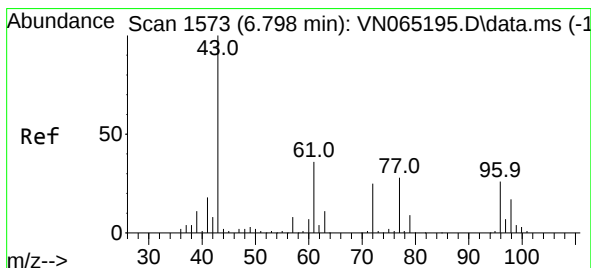
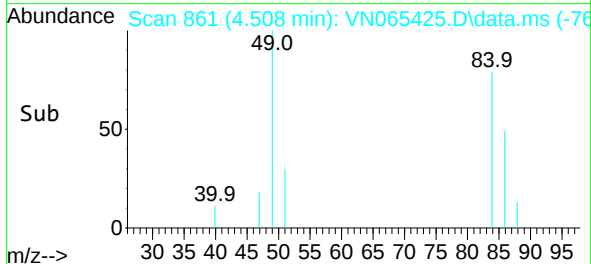
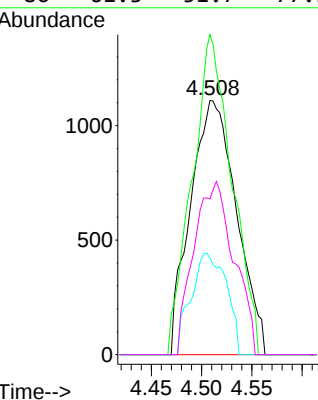
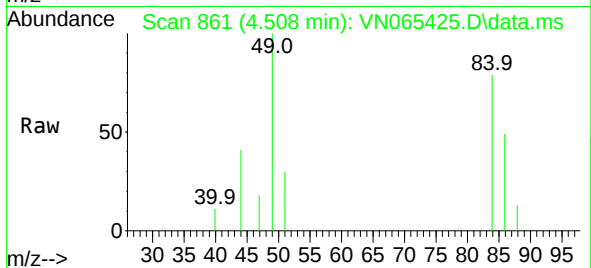
Ion Ratio Lower Upper

84 100

49 125.9 93.4 140.0

51 38.0 28.2 42.4

86 61.3 51.7 77.5



#25

2-Butanone

Concen: 1.09 ug/l

RT: 6.820 min Scan# 1580

Delta R.T. 0.022 min

Lab File: VN065425.D

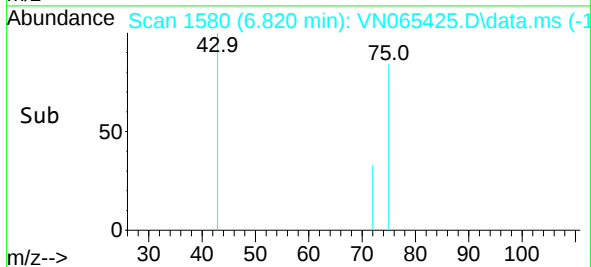
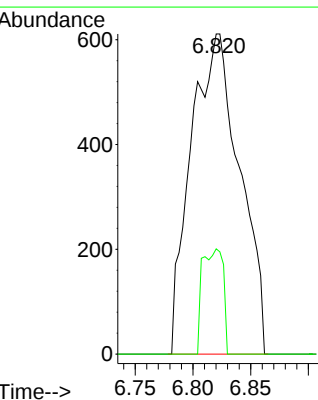
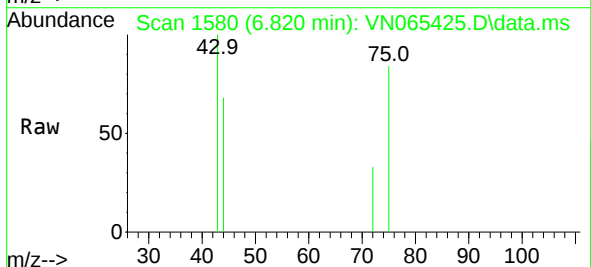
Acq: 7 Jan 2021 14:26

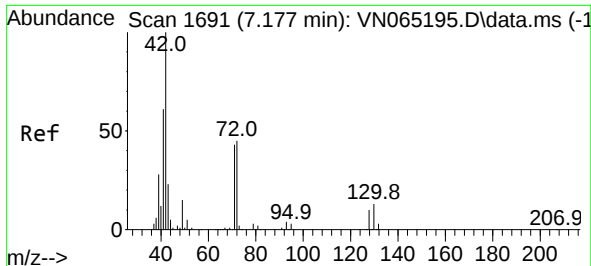
Tgt Ion: 43 Resp: 1796

Ion Ratio Lower Upper

43 100

72 32.9 21.0 31.6#





#29

Tetrahydrofuran

Concen: 1.02 ug/l

RT: 7.183 min Scan# 1693

Delta R.T. 0.006 min

Lab File: VN065425.D

Acq: 7 Jan 2021 14:26

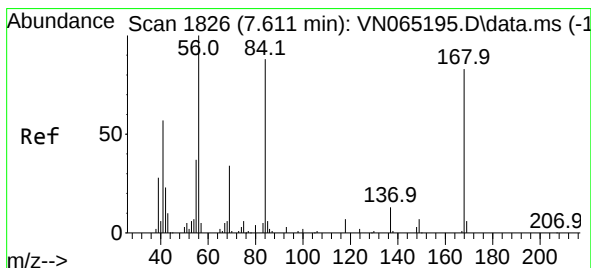
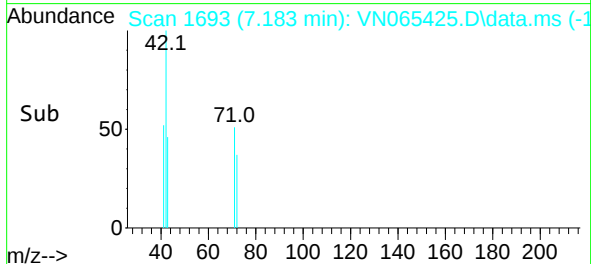
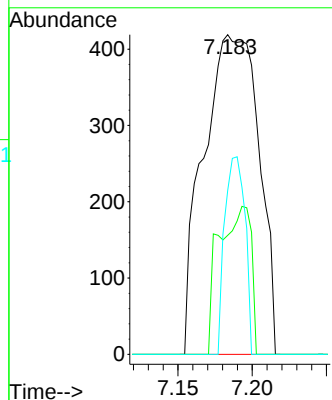
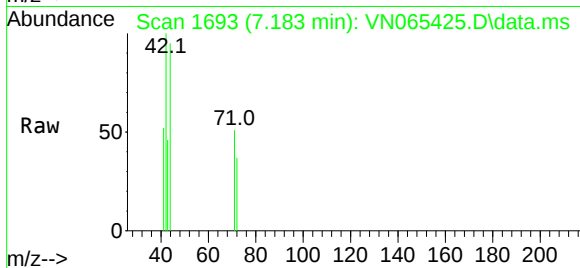
Instrument :

MSVOA_N

ClientSampleId :

EB-01-010621RE

Tgt Ion:	42	Resp:	1085
Ion	Ratio	Lower	Upper
42	100		
72	8.3	36.6	54.8#
71	22.6	33.6	50.4#



#31

Cyclohexane

Concen: 1.02 ug/l

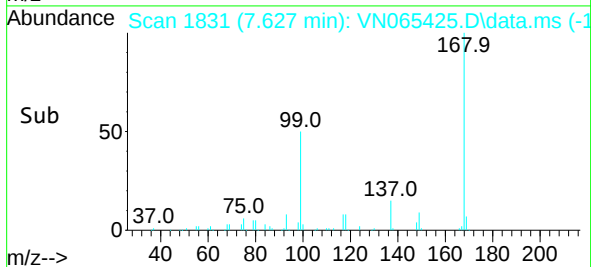
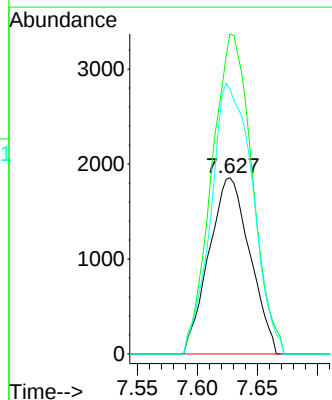
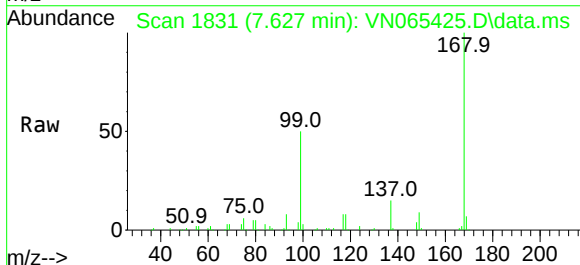
RT: 7.627 min Scan# 1831

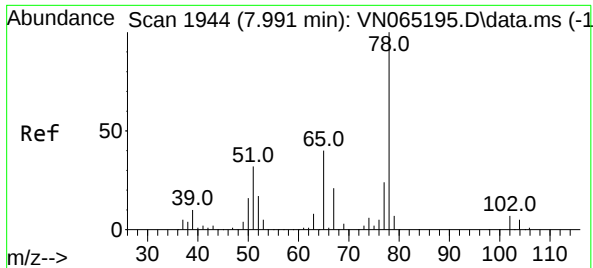
Delta R.T. 0.016 min

Lab File: VN065425.D

Acq: 7 Jan 2021 14:26

Tgt Ion:	56	Resp:	4410
Ion	Ratio	Lower	Upper
56	100		
69	181.6	27.5	41.3#
84	150.4	73.9	110.9#

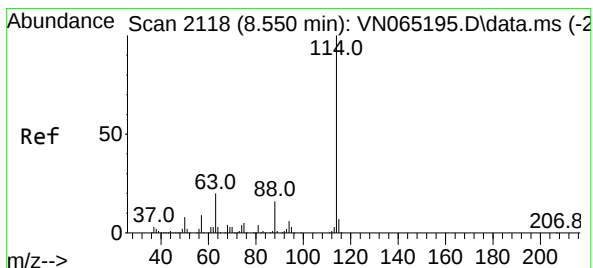
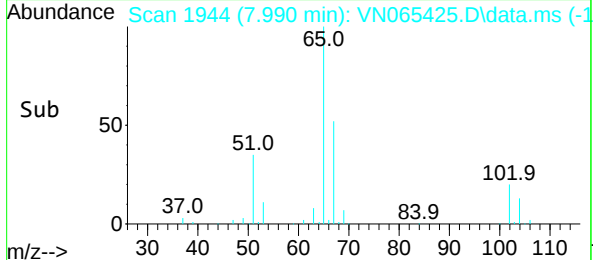
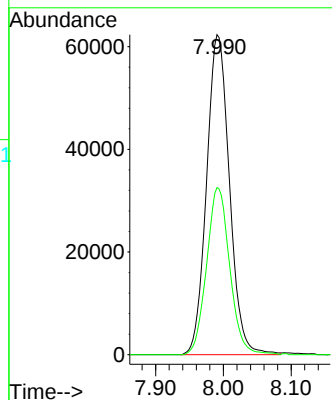
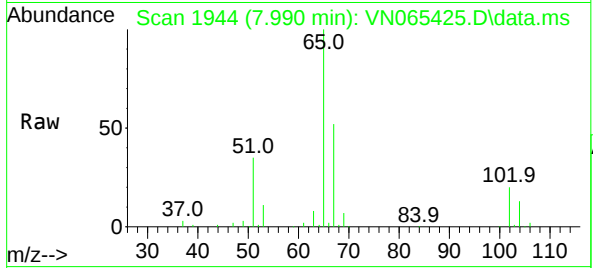




#33
 1,2-Dichloroethane-d4
 Concen: 49.97 ug/l
 RT: 7.990 min Scan# 1944
 Delta R.T. -0.001 min
 Lab File: VN065425.D
 Acq: 7 Jan 2021 14:26

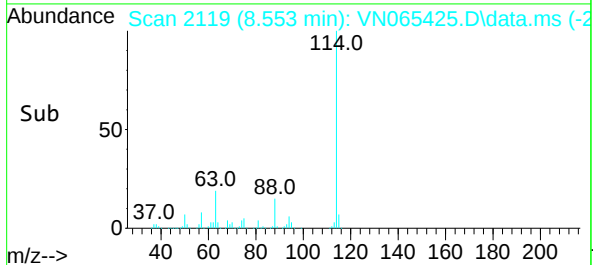
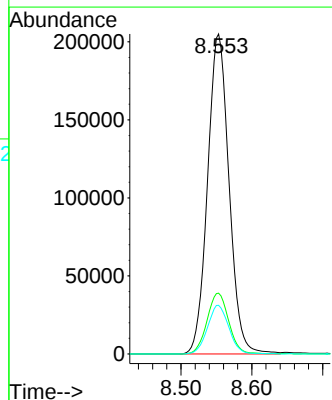
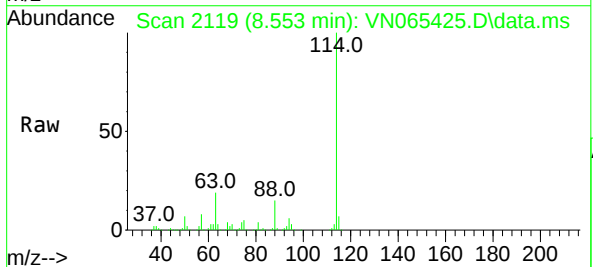
Instrument :
 MSVOA_N
 ClientSampleId :
 EB-01-010621RE

Tgt Ion: 65 Resp: 146229
 Ion Ratio Lower Upper
 65 100
 67 52.8 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: VN065425.D
 Acq: 7 Jan 2021 14:26

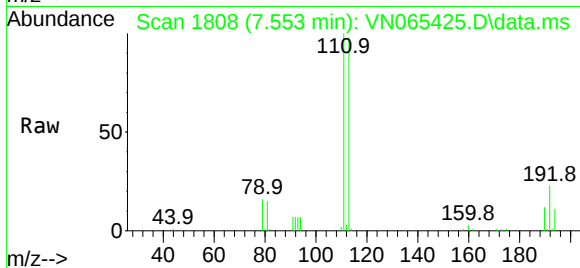
Tgt Ion: 114 Resp: 431772
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.6
 88 15.2 0.0 32.6



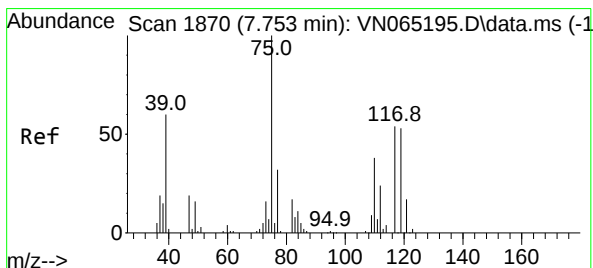
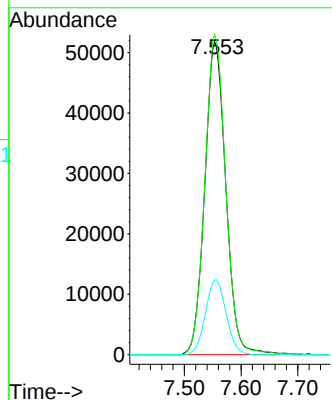
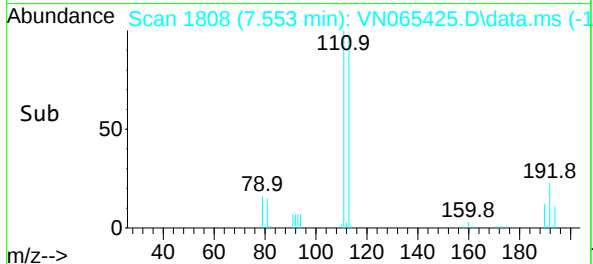


#35
Dibromofluoromethane
Concen: 51.35 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN065425.D
Acq: 7 Jan 2021 14:26

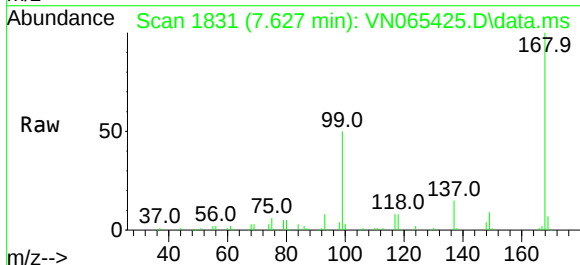
Instrument :
MSVOA_N
ClientSampleId :
EB-01-010621RE



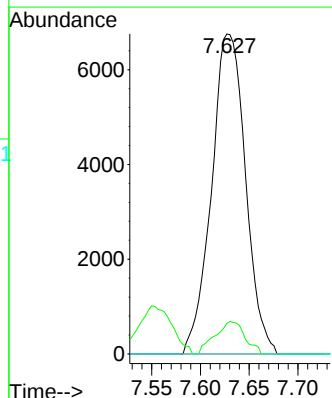
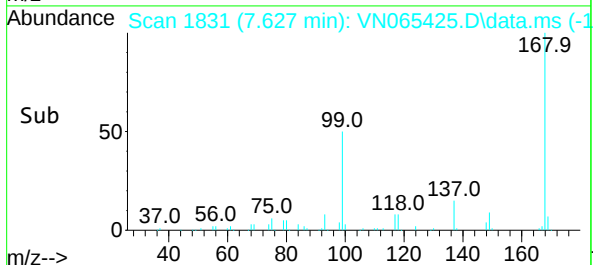
Tgt Ion:113 Resp: 133765
Ion Ratio Lower Upper
113 100
111 100.7 81.6 122.4
192 23.5 16.2 24.2

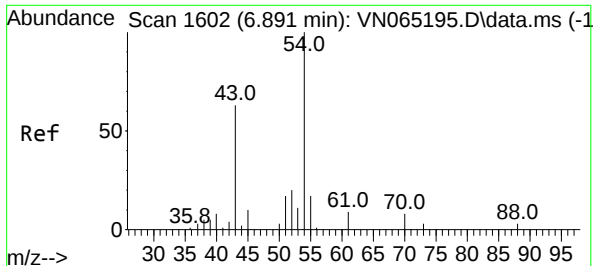


#36
1,1-Dichloropropene
Concen: 4.18 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN065425.D
Acq: 7 Jan 2021 14:26



Tgt Ion: 75 Resp: 16392
Ion Ratio Lower Upper
75 100
110 8.9 17.8 53.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.46 ug/l

RT: 6.820 min Scan# 1580

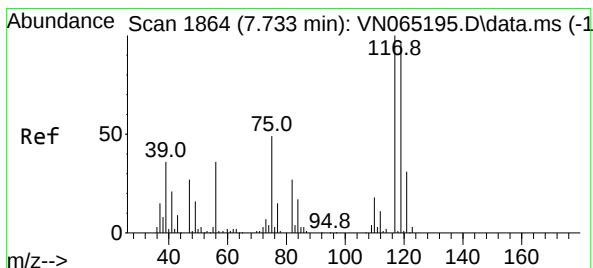
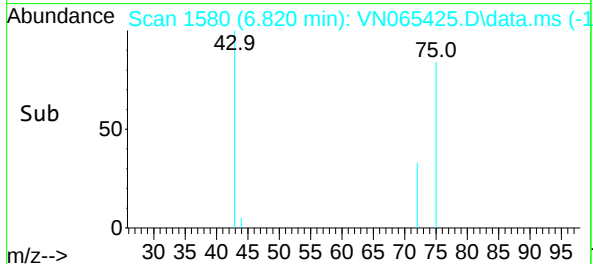
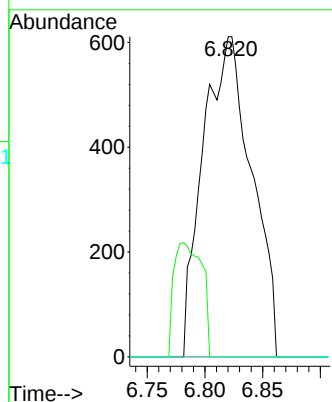
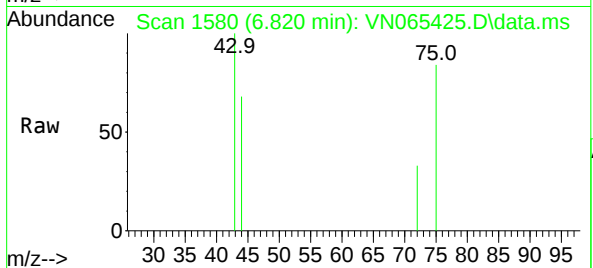
Delta R.T. -0.071 min

Lab File: VN065425.D

Acq: 7 Jan 2021 14:26

Instrument :
MSVOA_N
ClientSampleId :
EB-01-010621RE

Tgt Ion: 43	Resp: 1796
Ion Ratio	Lower Upper
43 100	
61 0.0	12.8 19.2#
70 0.0	8.8 13.2#



#38

Carbon Tetrachloride

Concen: 5.29 ug/l

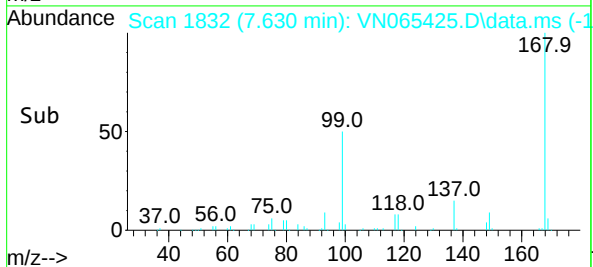
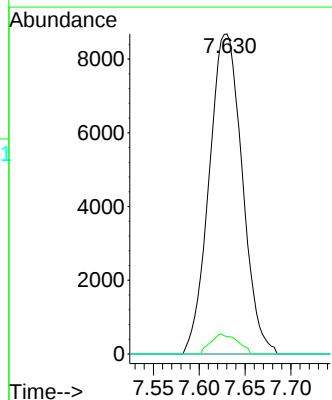
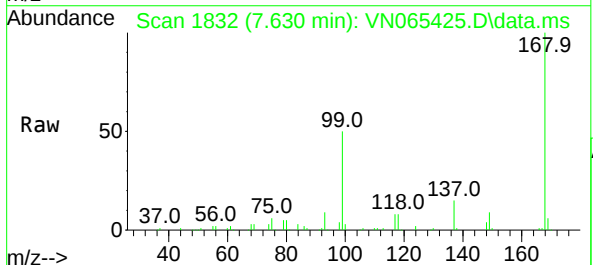
RT: 7.630 min Scan# 1832

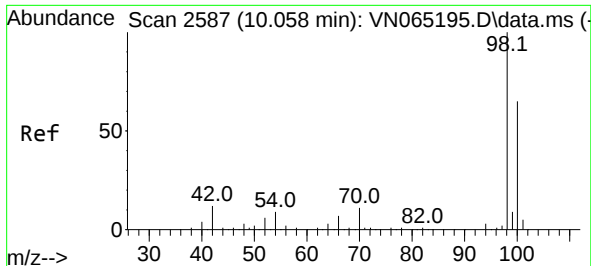
Delta R.T. -0.103 min

Lab File: VN065425.D

Acq: 7 Jan 2021 14:26

Tgt Ion:117	Resp:	21804	
Ion	Ratio	Lower	Upper
117	100		
119	5.4	76.7	115.1#
121	0.0	25.4	38.2#

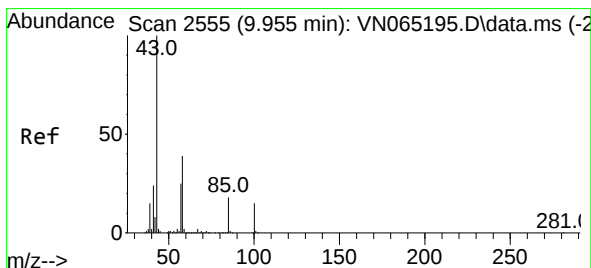
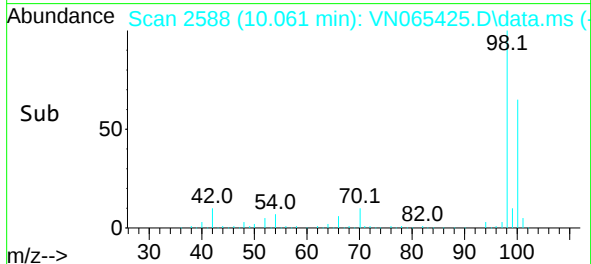
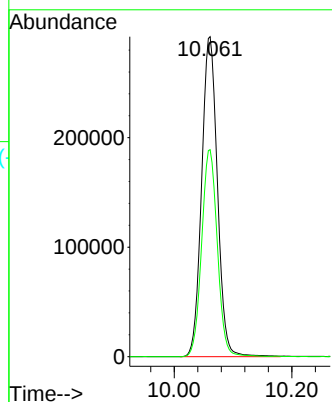
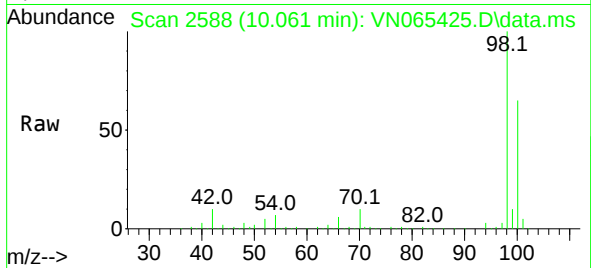




#50
Toluene-d8
Concen: 55.75 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065425.D
Acq: 7 Jan 2021 14:26

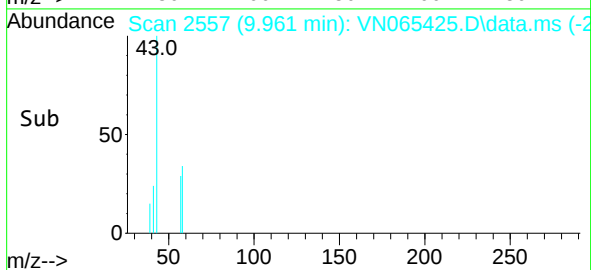
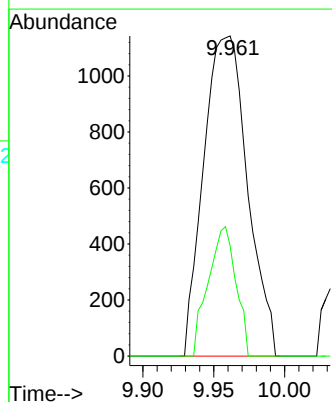
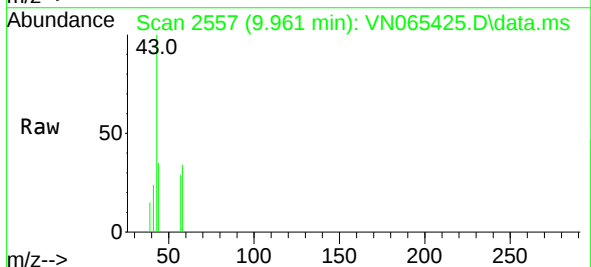
Instrument :
MSVOA_N
ClientSampleId :
EB-01-010621RE

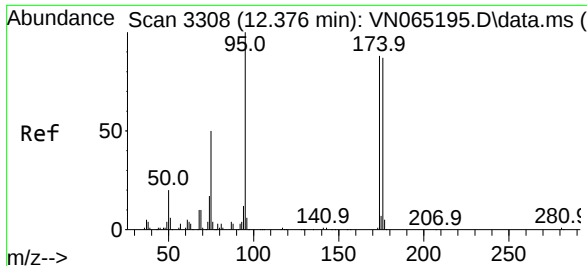
Tgt Ion: 98 Resp: 544270
Ion Ratio Lower Upper
98 100
100 64.3 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.65 ug/l
RT: 9.961 min Scan# 2557
Delta R.T. 0.006 min
Lab File: VN065425.D
Acq: 7 Jan 2021 14:26

Tgt Ion: 43 Resp: 2463
Ion Ratio Lower Upper
43 100
58 25.5 32.4 48.6#

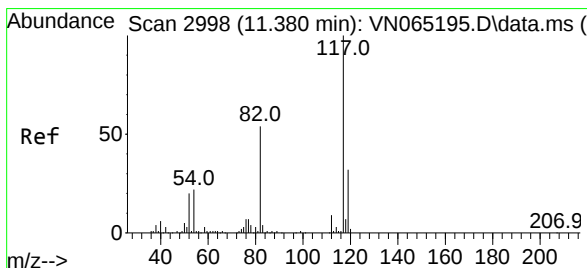
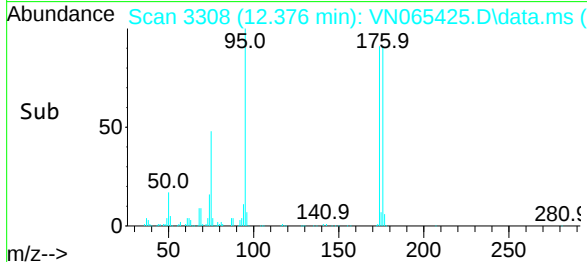
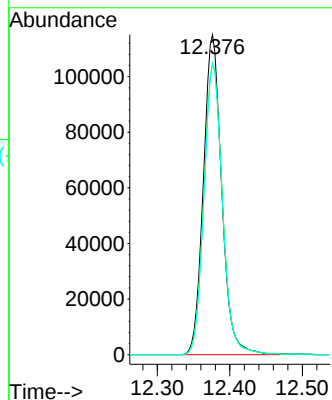
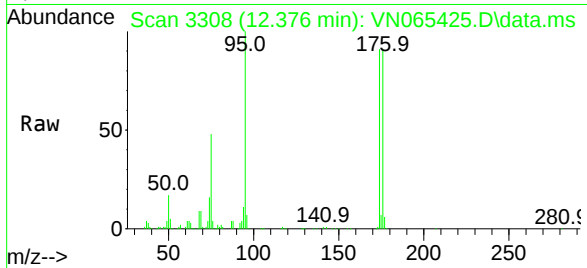




#62
4-Bromofluorobenzene
Concen: 52.01 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065425.D
Acq: 7 Jan 2021 14:26

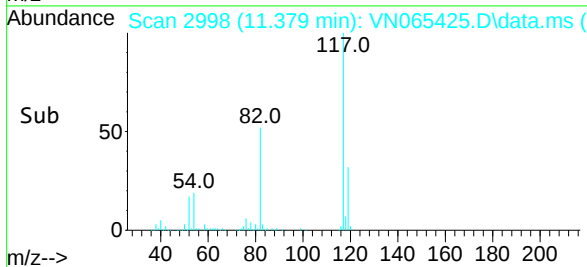
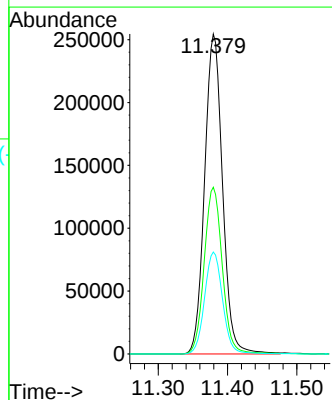
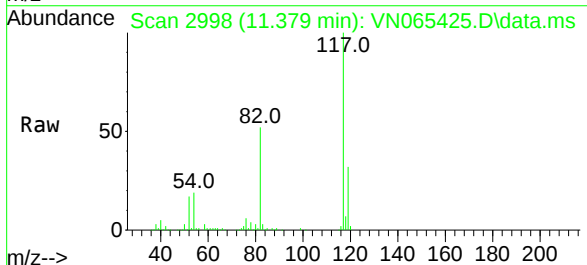
Instrument :
MSVOA_N
ClientSampleId :
EB-01-010621RE

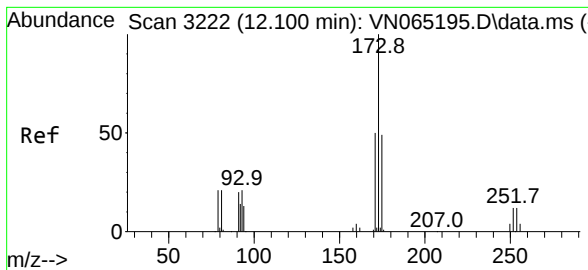
Tgt Ion: 95 Resp: 201717
Ion Ratio Lower Upper
95 100
174 93.3 0.0 160.4
176 91.5 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.379 min Scan# 2998
Delta R.T. -0.001 min
Lab File: VN065425.D
Acq: 7 Jan 2021 14:26

Tgt Ion: 117 Resp: 456858
Ion Ratio Lower Upper
117 100
82 52.1 44.2 66.2
119 31.8 25.8 38.6

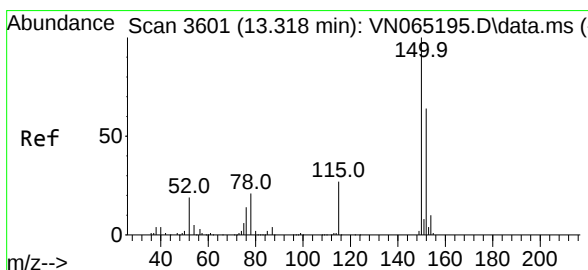
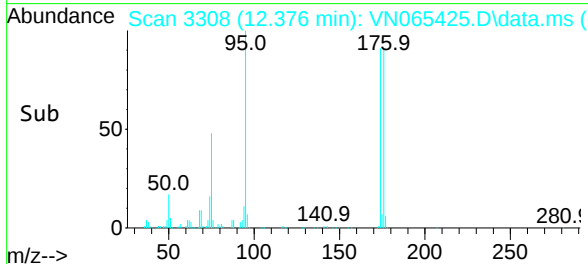
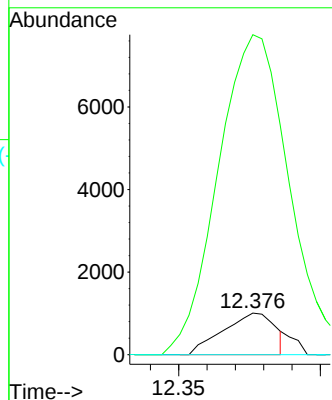
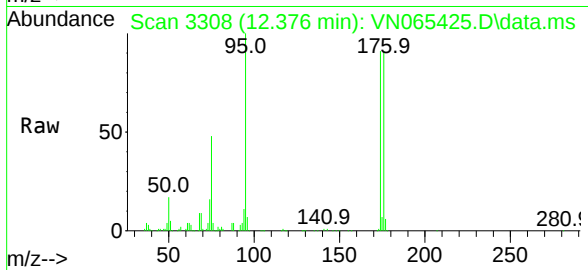




#71
Bromoform
Concen: 0.41 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.276 min
Lab File: VN065425.D
Acq: 7 Jan 2021 14:26

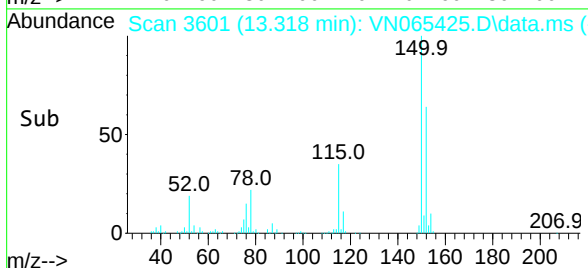
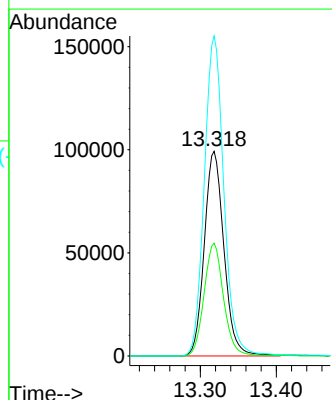
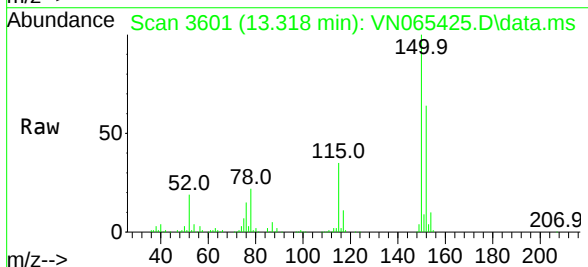
Instrument :
MSVOA_N
ClientSampleId :
EB-01-010621RE

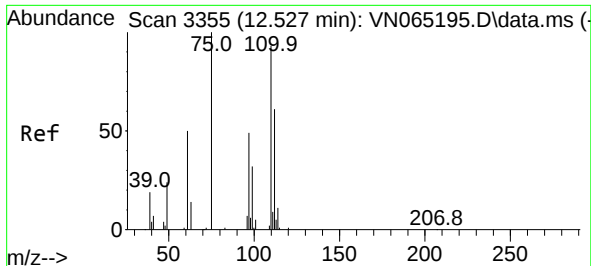
Tgt Ion:173 Resp: 1284
Ion Ratio Lower Upper
173 100
175 868.4 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.318 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN065425.D
Acq: 7 Jan 2021 14:26

Tgt Ion:152 Resp: 178337
Ion Ratio Lower Upper
152 100
115 54.7 29.7 89.1
150 155.9 0.0 350.6

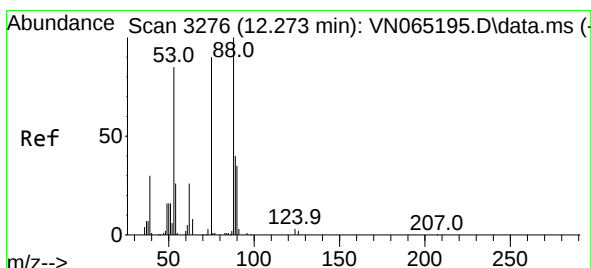
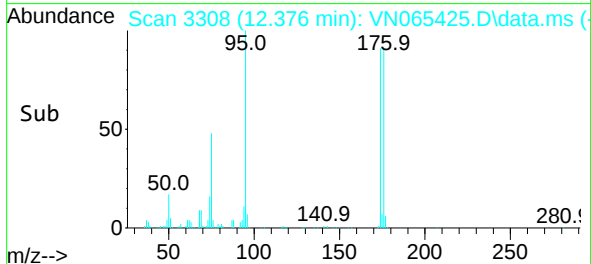
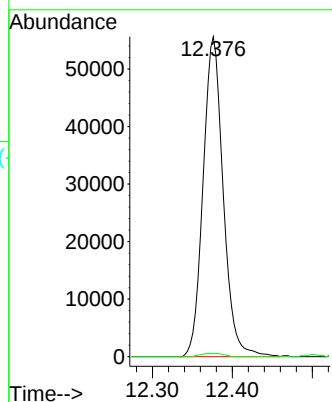
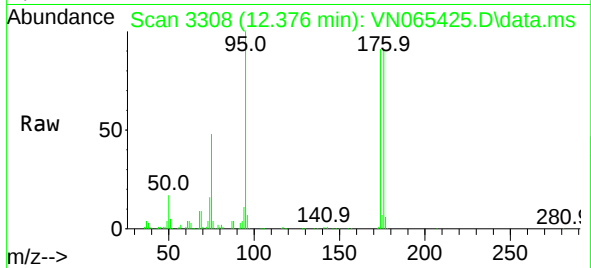




#76
1,2,3-Trichloropropane
Concen: 26.77 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065425.D
Acq: 7 Jan 2021 14:26

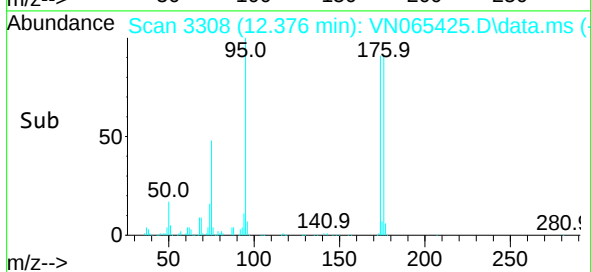
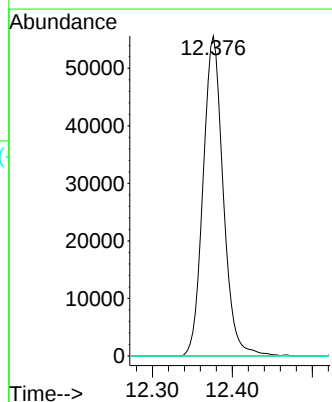
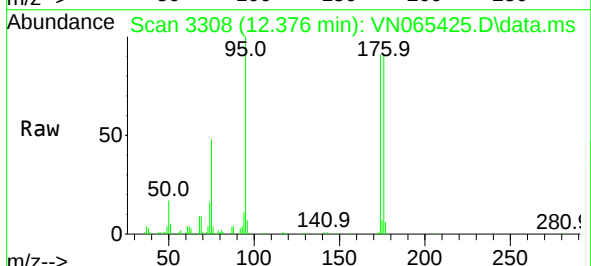
Instrument :
MSVOA_N
ClientSampleId :
EB-01-010621RE

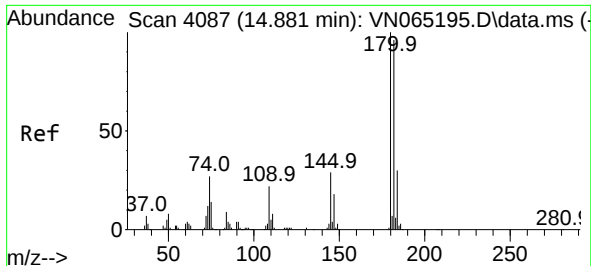
Tgt Ion: 75 Resp: 97411
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.51 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065425.D
Acq: 7 Jan 2021 14:26

Tgt Ion: 75 Resp: 97411
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#

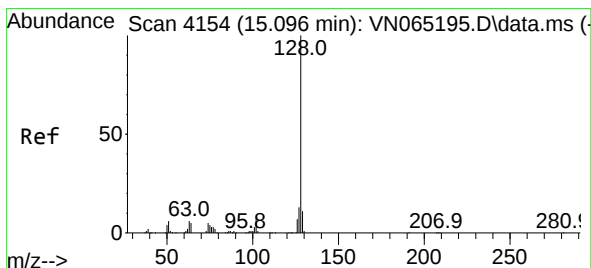
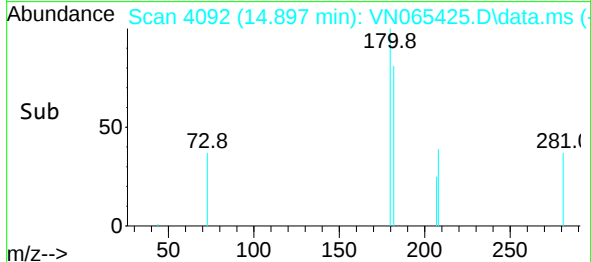
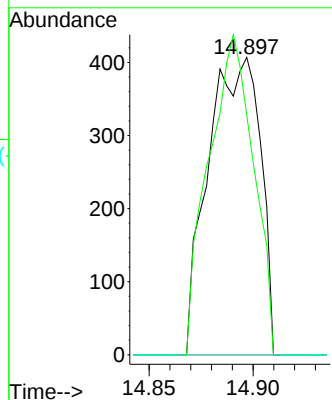
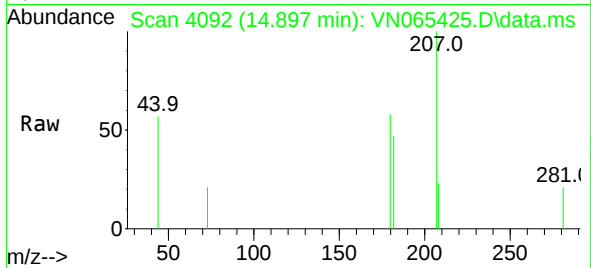




#93
1,2,4-Trichlorobenzene
Concen: 3.02 ug/l
RT: 14.897 min Scan# 4092
Delta R.T. 0.016 min
Lab File: VN065425.D
Acq: 7 Jan 2021 14:26

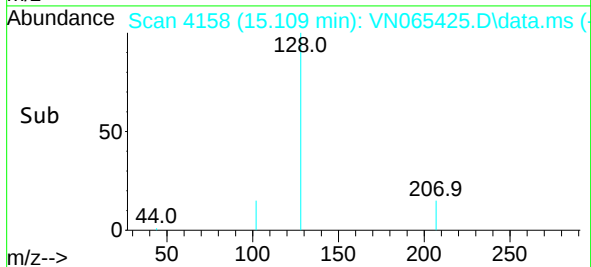
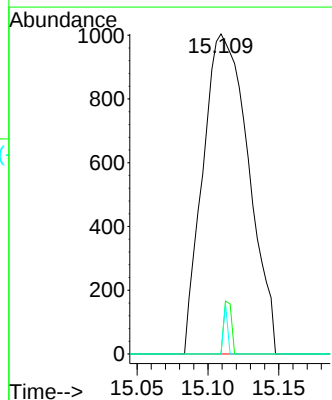
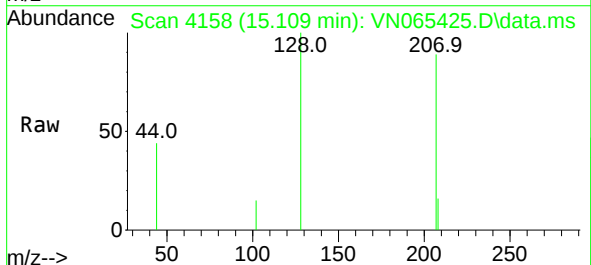
Instrument :
MSVOA_N
ClientSampleId :
EB-01-010621RE

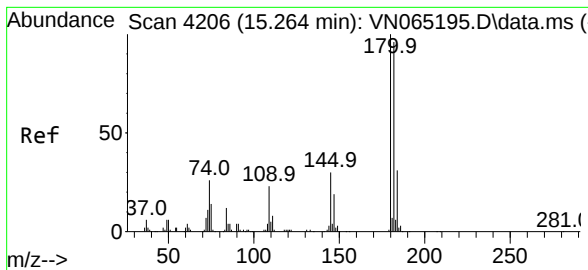
Tgt Ion:180 Resp: 710
Ion Ratio Lower Upper
180 100
182 92.7 47.6 142.9
145 0.0 15.3 45.8#



#95
Naphthalene
Concen: 3.60 ug/l
RT: 15.109 min Scan# 4158
Delta R.T. 0.013 min
Lab File: VN065425.D
Acq: 7 Jan 2021 14:26

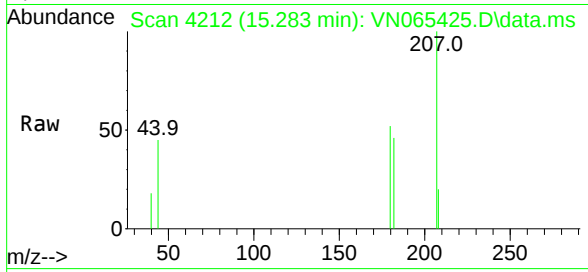
Tgt Ion:128 Resp: 2246
Ion Ratio Lower Upper
128 100
127 2.8 10.3 15.5#
129 1.3 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.47 ug/l
 RT: 15.283 min Scan# 4212
 Delta R.T. 0.019 min
 Lab File: VN065425.D
 Acq: 7 Jan 2021 14:26

Instrument :
 MSVOA_N
 ClientSampleId :
 EB-01-010621RE



Tgt Ion	Ratio	Lower	Upper
180	100		
182	104.5	48.1	144.4
145	3.5	16.4	49.1#

