

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032621\
 Data File : VX021555.D
 Acq On : 27 Mar 2021 01:56
 Operator : JC/MD
 Sample : M1787-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 27 04:35:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 24 12:25:26 2021
 Response via : Initial Calibration

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

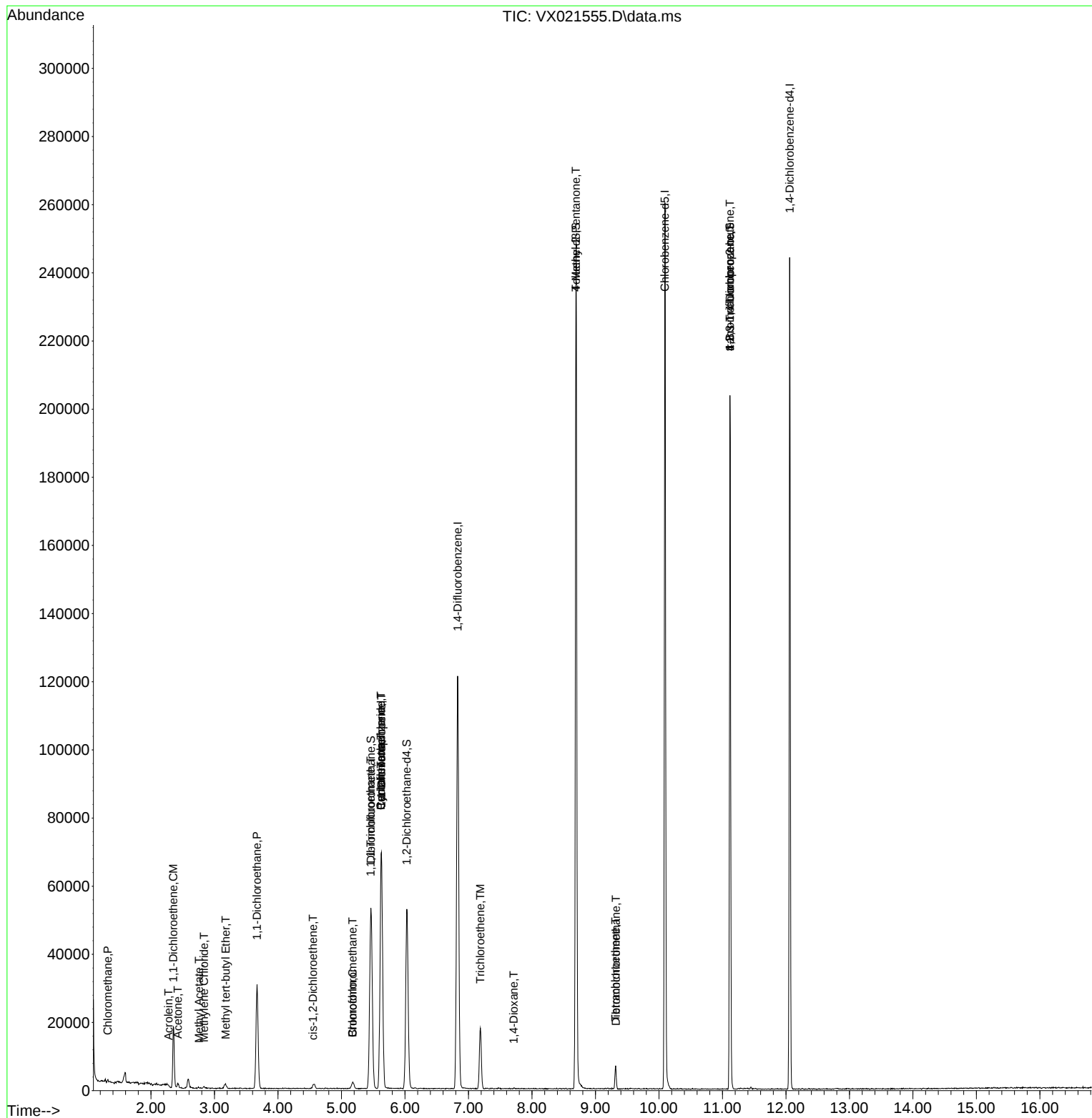
Internal Standards						
1) Pentafluorobenzene	5.623	168	59461	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	113405	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	106861	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	43019	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	52283	52.85	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	105.70%
35) Dibromofluoromethane	5.464	113	39641	49.21	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.42%
50) Toluene-d8	8.694	98	139263	48.51	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.02%
62) 4-Bromofluorobenzene	11.117	95	52682	47.20	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.40%
Target Compounds						Qvalue
3) Chloromethane	1.316	50	1375	1.87	ug/l	91
12) 1,1-Dichloroethene	2.352	96	5721	9.55	ug/l	90
13) Acrolein	2.275	56	22	4.56	ug/l #	1
16) Acetone	2.422	43	1443	3.86	ug/l	93
18) Methyl Acetate	2.758	43	319	0.30	ug/l #	47
19) Methyl tert-butyl Ether	3.175	73	1331	0.59	ug/l #	86
20) Methylene Chloride	2.834	84	169	0.23	ug/l #	84
24) 1,1-Dichloroethane	3.669	63	32904	25.83	ug/l	97
27) cis-1,2-Dichloroethene	4.552	96	821	1.07	ug/l	94
28) Bromochloromethane	5.176	49	220	0.34	ug/l #	9
30) Chloroform	5.176	83	1976	1.47	ug/l	91
31) Cyclohexane	5.623	56	1702	1.56	ug/l #	40
32) 1,1,1-Trichloroethane	5.458	97	4769	4.00	ug/l #	91
36) 1,1-Dichloropropene	5.629	75	5470	4.92	ug/l #	48
38) Carbon Tetrachloride	5.623	117	6626	5.55	ug/l #	19
44) Trichloroethene	7.188	130	6163	7.40	ug/l	93
49) 1,4-Dioxane	7.711	88	115	5.77	ug/l #	86
51) 4-Methyl-2-Pentanone	8.694	43	838	0.65	ug/l #	1
60) Dibromochloromethane	9.323	129	1121	1.22	ug/l #	11
64) Tetrachloroethene	9.317	164	1301	1.82	ug/l #	84
76) 1,2,3-Trichloropropane	11.117	75	29629	29.59	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.117	75	29629	90.12	ug/l #	12

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

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Quant Title : SW846 8260
QLast Update : Wed Mar 24 12:25:26 2021
Response via : Initial Calibration

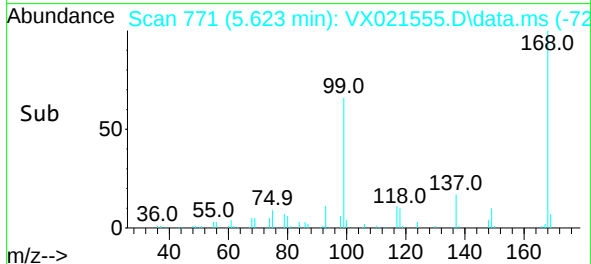
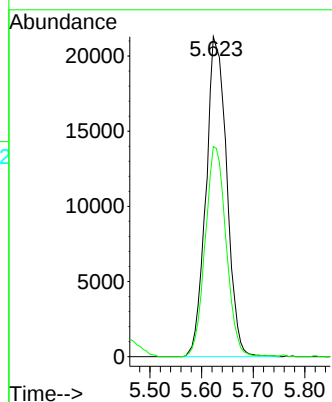
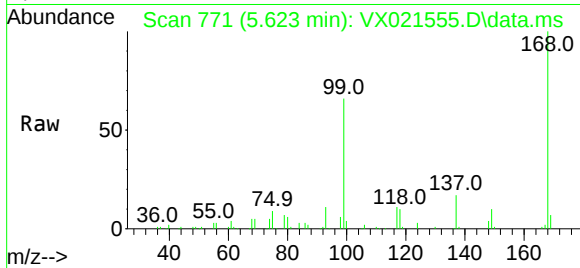




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.006 min
Lab File: VX021555.D
Acq: 27 Mar 2021 01:56

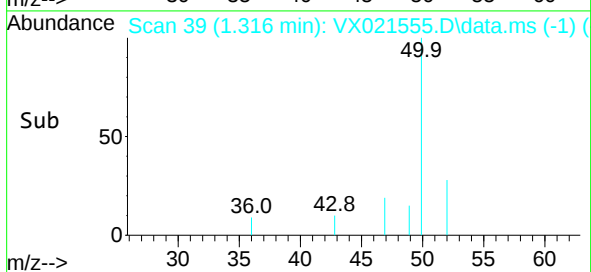
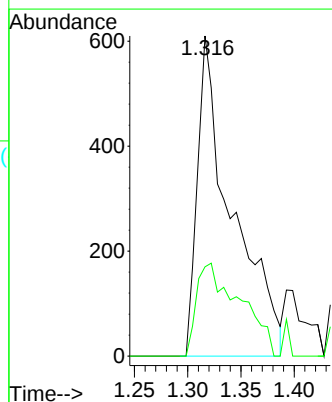
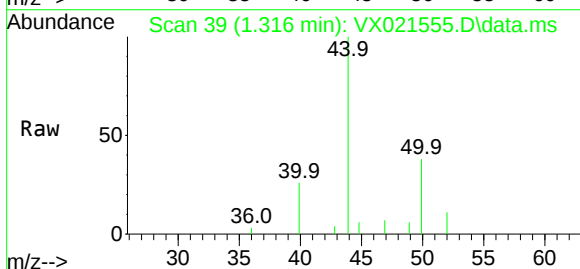
Instrument :
MSVOA_X
ClientSampleId :

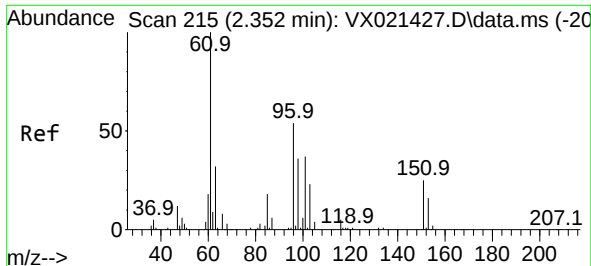
Tgt Ion:168 Resp: 59461
Ion Ratio Lower Upper
168 100
99 65.7 45.8 68.6



#3
Chloromethane
Concen: 1.87 ug/l
RT: 1.316 min Scan# 39
Delta R.T. 0.005 min
Lab File: VX021555.D
Acq: 27 Mar 2021 01:56

Tgt Ion: 50 Resp: 1375
Ion Ratio Lower Upper
50 100
52 27.9 26.4 39.6





#12

1,1-Dichloroethene

Concen: 9.55 ug/l

RT: 2.352 min Scan# 215

Delta R.T. -0.000 min

Lab File: VX021555.D

Acq: 27 Mar 2021 01:56

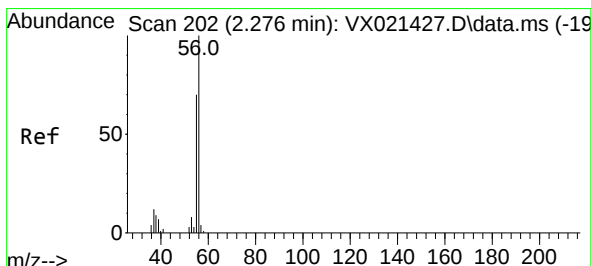
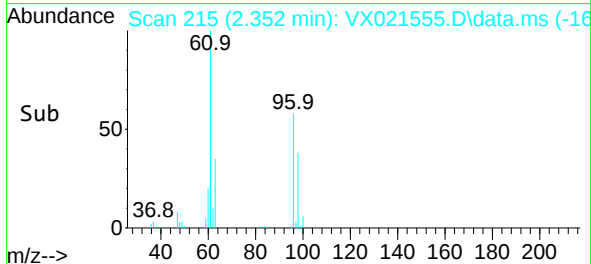
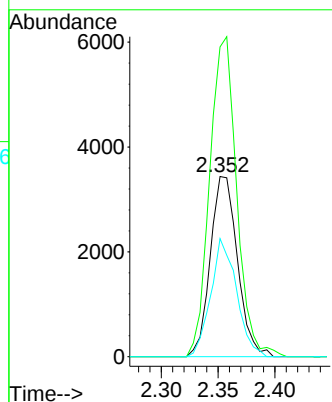
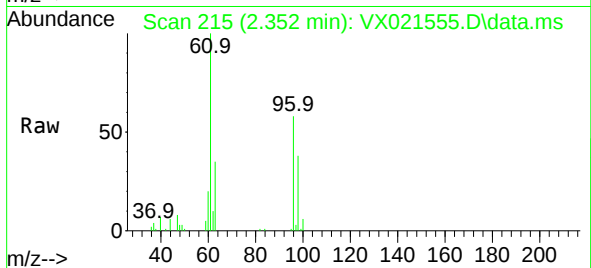
Tgt Ion: 96 Resp: 5721

Ion Ratio Lower Upper

96 100

61 171.9 124.6 187.0

98 65.5 50.6 76.0



#13

Acrolein

Concen: 4.56 ug/l

RT: 2.275 min Scan# 202

Delta R.T. -0.001 min

Lab File: VX021555.D

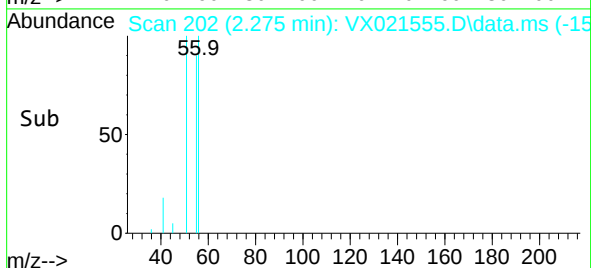
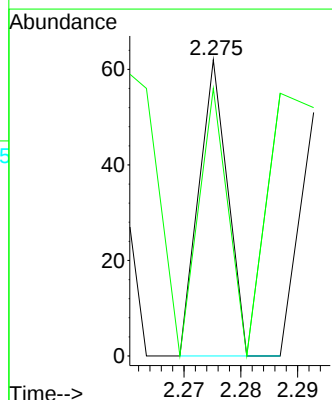
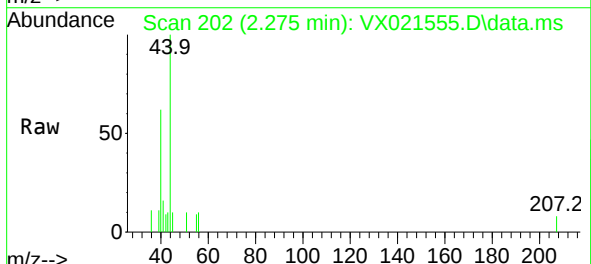
Acq: 27 Mar 2021 01:56

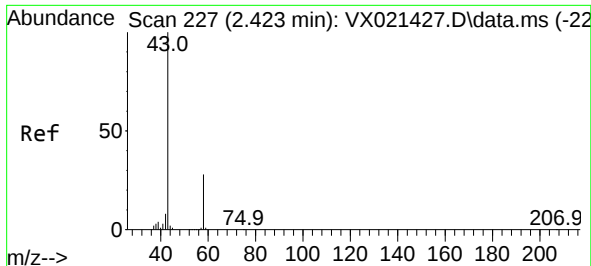
Tgt Ion: 56 Resp: 22

Ion Ratio Lower Upper

56 100

55 263.6 56.4 84.6#

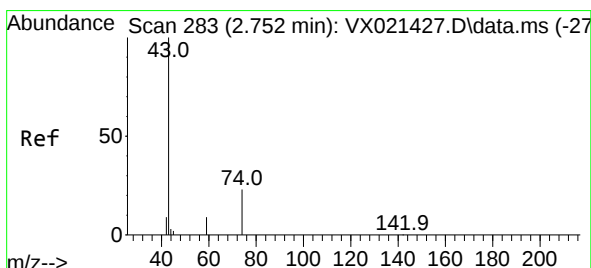
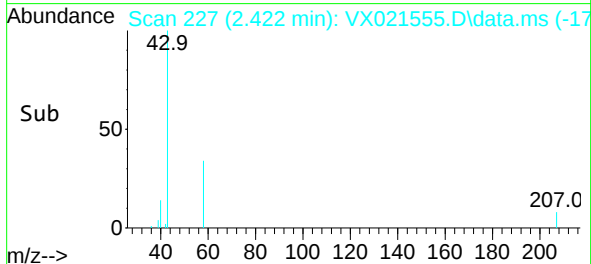
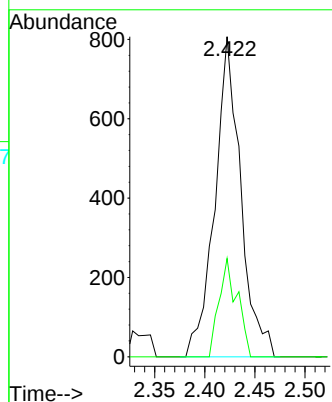
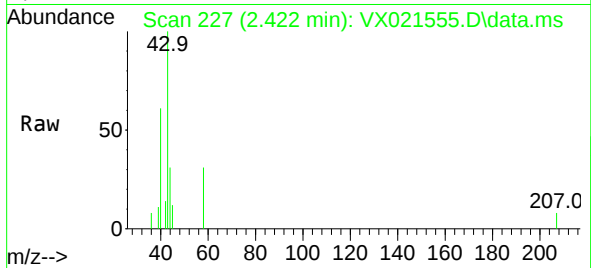




#16
Acetone
Concen: 3.86 ug/l
RT: 2.422 min Scan# 227
Delta R.T. -0.001 min
Lab File: VX021555.D
Acq: 27 Mar 2021 01:56

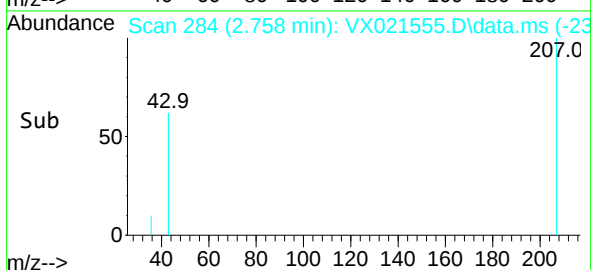
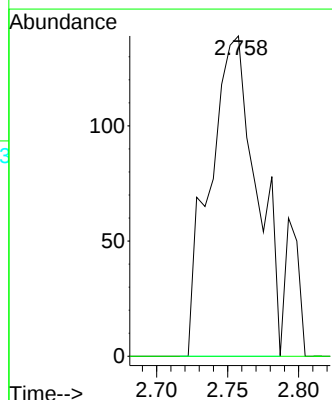
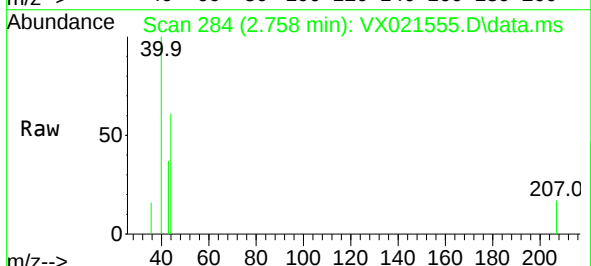
Instrument :
MSVOA_X
ClientSampled :

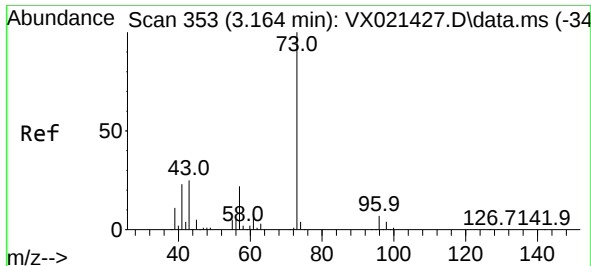
Tgt Ion: 43 Resp: 1443
Ion Ratio Lower Upper
43 100
58 30.7 27.8 41.8



#18
Methyl Acetate
Concen: 0.30 ug/l
RT: 2.758 min Scan# 284
Delta R.T. 0.006 min
Lab File: VX021555.D
Acq: 27 Mar 2021 01:56

Tgt Ion: 43 Resp: 319
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#

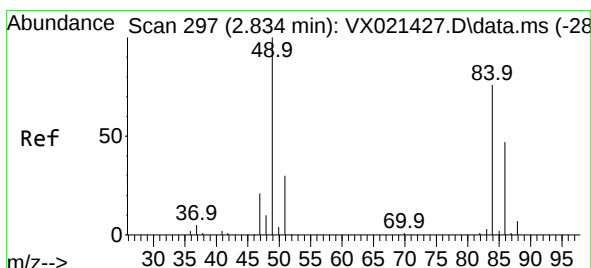
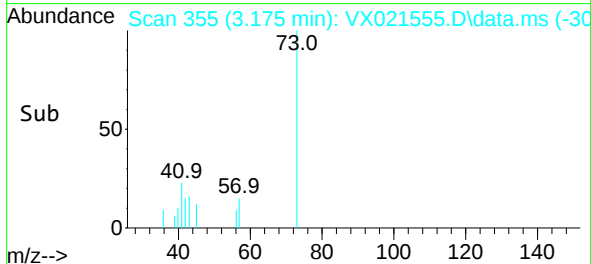
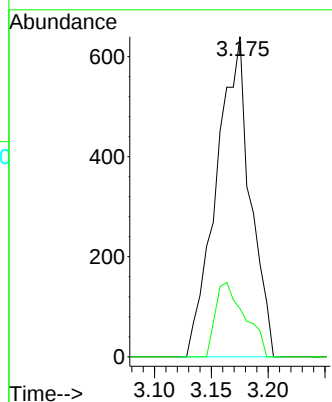
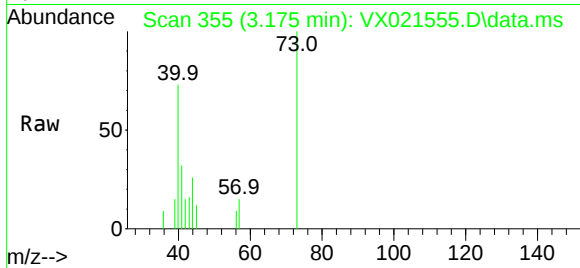




#19
Methyl tert-butyl Ether
Concen: 0.59 ug/l
RT: 3.175 min Scan# 355
Delta R.T. 0.011 min
Lab File: VX021555.D
Acq: 27 Mar 2021 01:56

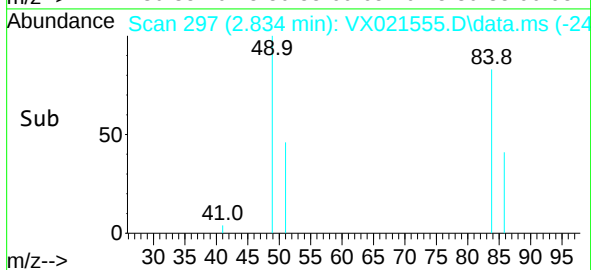
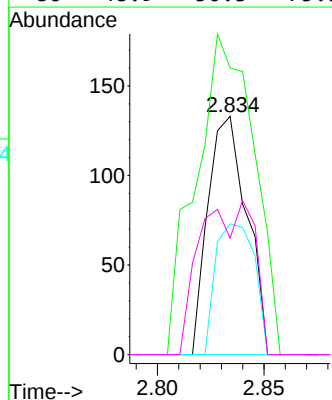
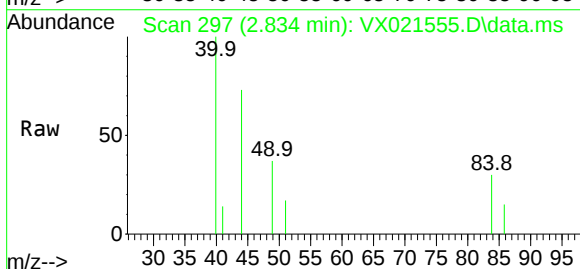
Instrument :
MSVOA_X
ClientSampled :

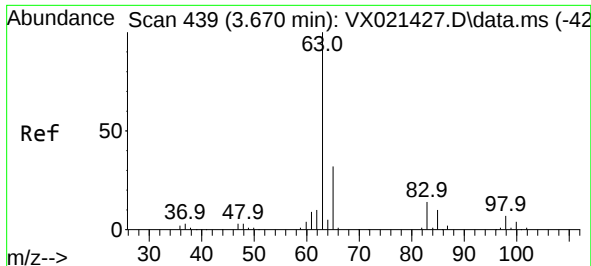
Tgt Ion: 73 Resp: 1331
Ion Ratio Lower Upper
73 100
57 15.0 17.1 25.7#



#20
Methylene Chloride
Concen: 0.23 ug/l
RT: 2.834 min Scan# 297
Delta R.T. 0.000 min
Lab File: VX021555.D
Acq: 27 Mar 2021 01:56

Tgt Ion: 84 Resp: 169
Ion Ratio Lower Upper
84 100
49 120.3 88.6 132.8
51 54.9 27.0 40.6#
86 48.9 50.3 75.5#

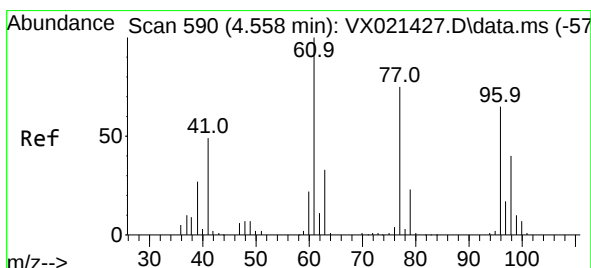
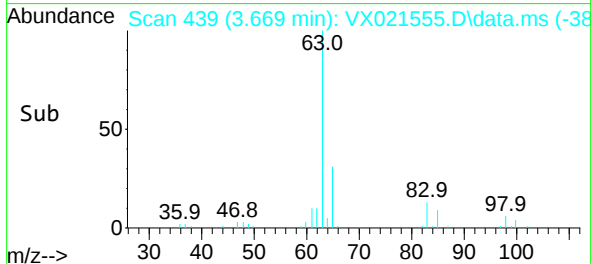
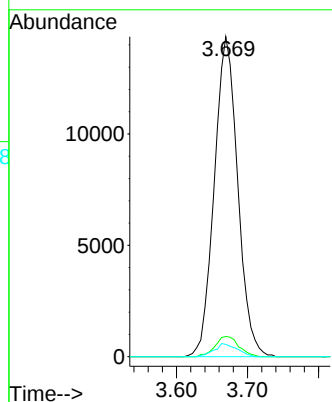
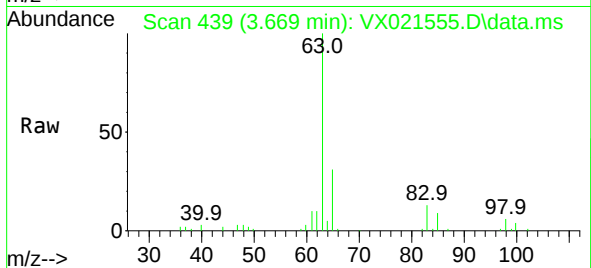




#24
1,1-Dichloroethane
Concen: 25.83 ug/l
RT: 3.669 min Scan# 439
Delta R.T. -0.001 min
Lab File: VX021555.D
Acq: 27 Mar 2021 01:56

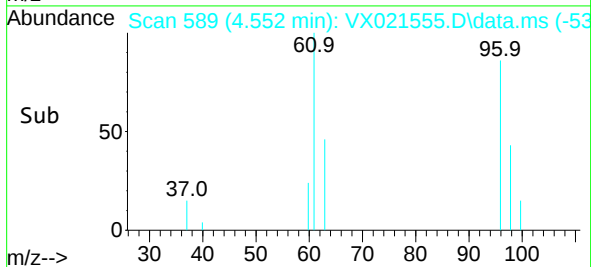
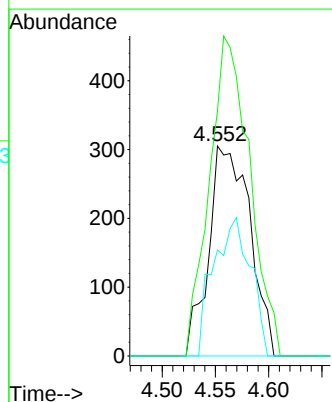
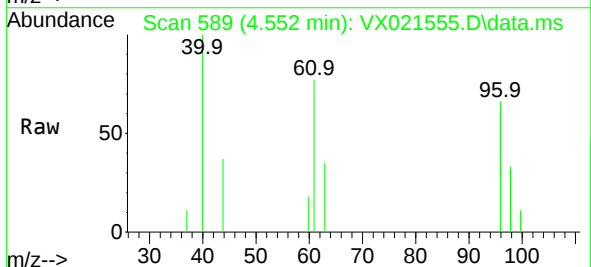
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MSVOA_X
ClientSampleId :

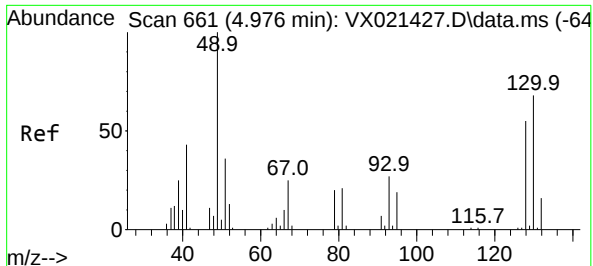
Tgt Ion: 63 Resp: 32904
Ion Ratio Lower Upper
63 100
98 6.3 3.8 11.2
100 3.8 2.5 7.5



#27
cis-1,2-Dichloroethene
Concen: 1.07 ug/l
RT: 4.552 min Scan# 589
Delta R.T. -0.006 min
Lab File: VX021555.D
Acq: 27 Mar 2021 01:56

Tgt Ion: 96 Resp: 821
Ion Ratio Lower Upper
96 100
61 149.2 0.0 285.6
98 59.3 0.0 129.6

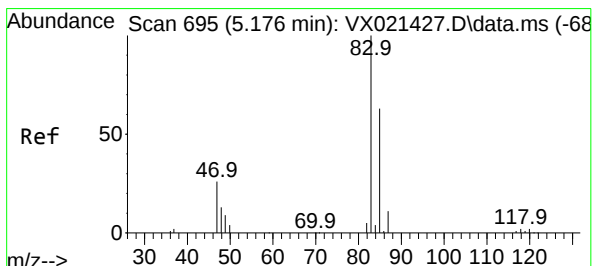
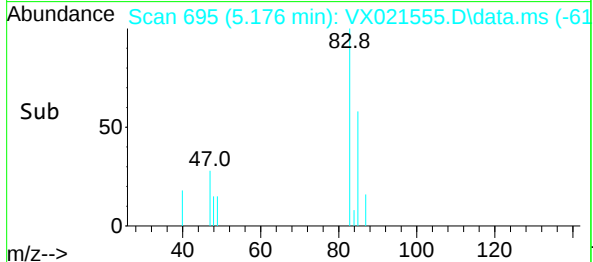
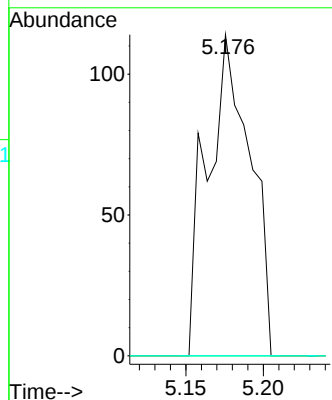
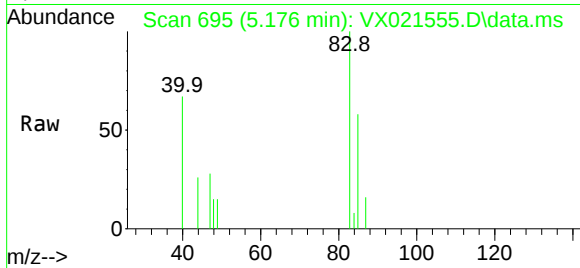




#28
Bromochloromethane
Concen: 0.34 ug/l
RT: 5.176 min Scan# 695
Delta R.T. 0.200 min
Lab File: VX021555.D
Acq: 27 Mar 2021 01:56

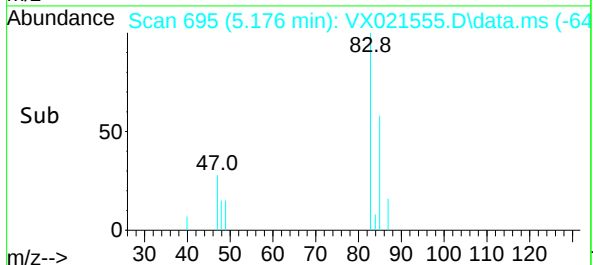
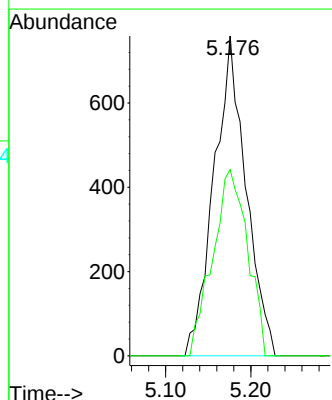
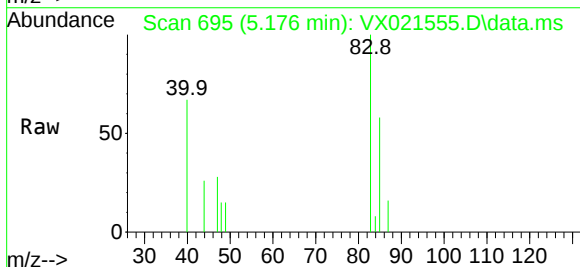
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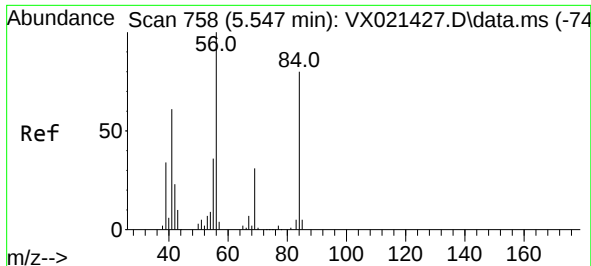
Tgt Ion: 49 Resp: 220
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 68.2 102.2#



#30
Chloroform
Concen: 1.47 ug/l
RT: 5.176 min Scan# 695
Delta R.T. -0.000 min
Lab File: VX021555.D
Acq: 27 Mar 2021 01:56

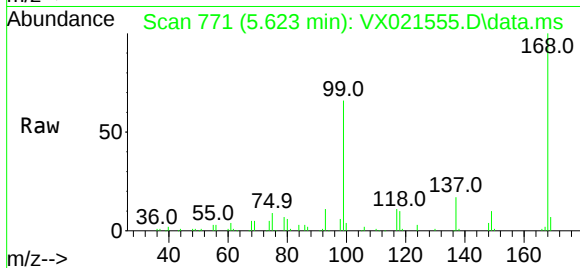
Tgt Ion: 83 Resp: 1976
Ion Ratio Lower Upper
83 100
85 58.2 52.0 78.0



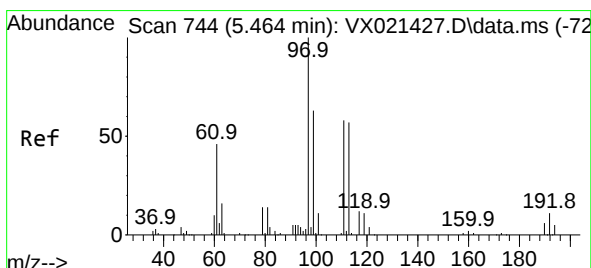
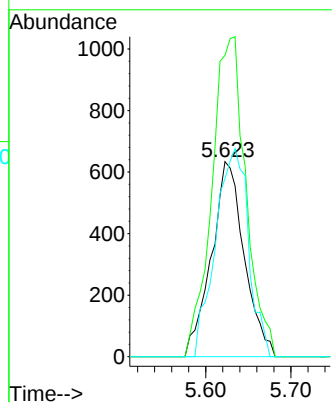
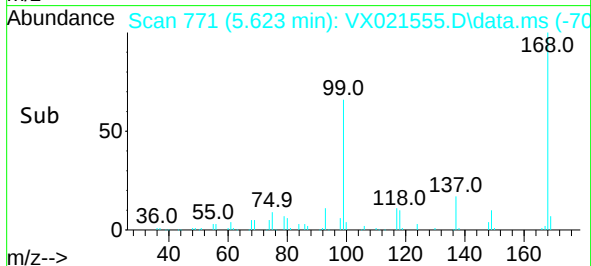


#31
Cyclohexane
Concen: 1.56 ug/l
RT: 5.623 min Scan# 771
Delta R.T. 0.076 min
Lab File: VX021555.D
Acq: 27 Mar 2021 01:56

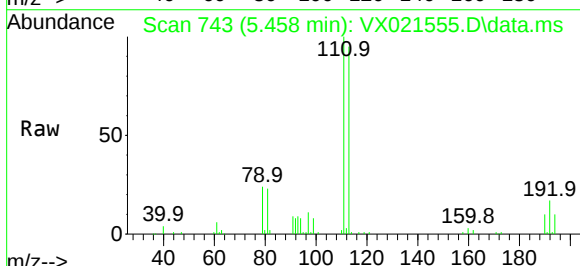
Instrument :
MSVOA_X
ClientSampled :



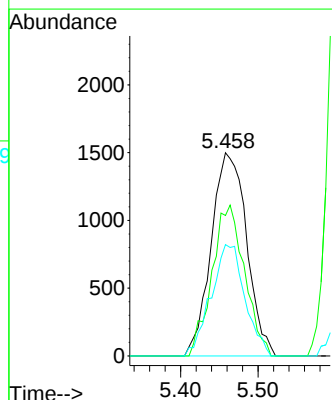
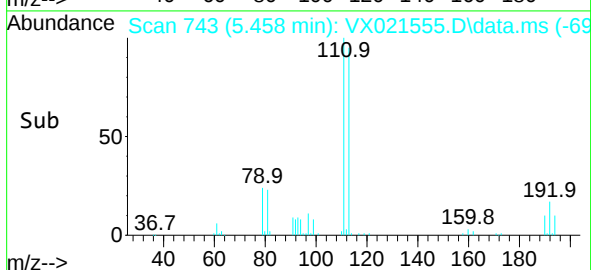
Tgt Ion: 56 Resp: 1702
Ion Ratio Lower Upper
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69 154.4 25.3 37.9#
84 91.3 71.4 107.0

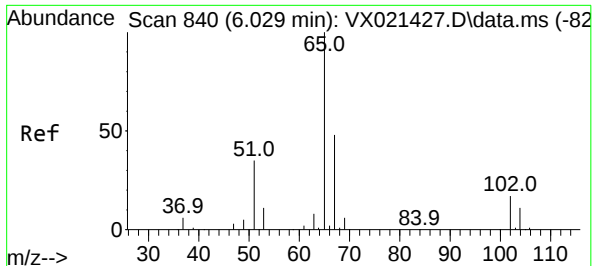


#32
1,1,1-Trichloroethane
Concen: 4.00 ug/l
RT: 5.458 min Scan# 743
Delta R.T. -0.006 min
Lab File: VX021555.D
Acq: 27 Mar 2021 01:56



Tgt Ion: 97 Resp: 4769
Ion Ratio Lower Upper
97 100
99 68.2 51.5 77.3
61 52.3 34.2 51.4#





#33

1,2-Dichloroethane-d4

Concen: 52.85 ug/l

RT: 6.029 min Scan# 840

Delta R.T. -0.000 min

Lab File: VX021555.D

Acq: 27 Mar 2021 01:56

Tgt Ion: 65 Resp: 52283

Ion Ratio Lower Upper

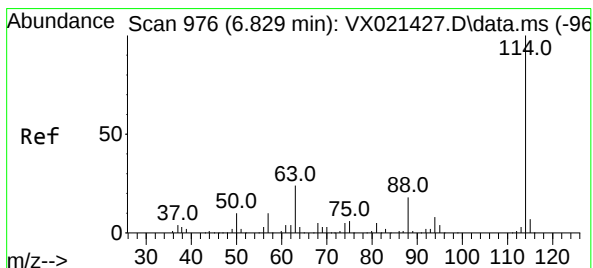
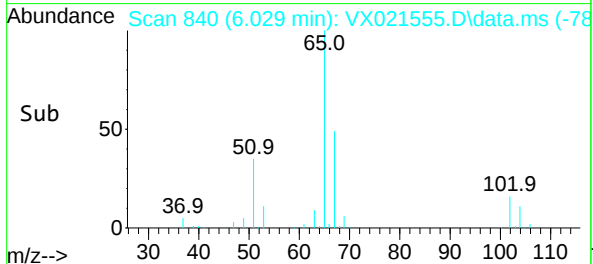
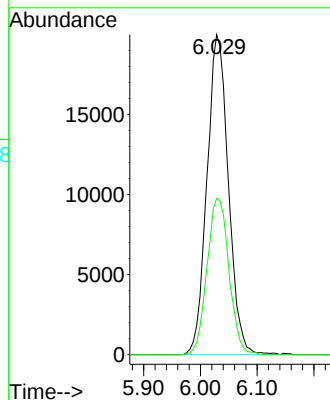
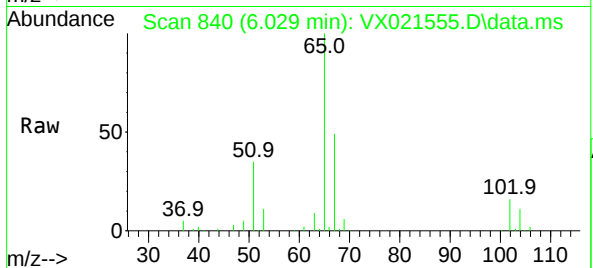
65 100

67 49.9 0.0 105.4

Instrument :

MSVOA_X

ClientSampled :



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.829 min Scan# 976

Delta R.T. -0.000 min

Lab File: VX021555.D

Acq: 27 Mar 2021 01:56

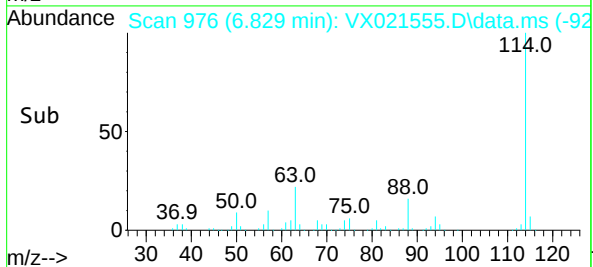
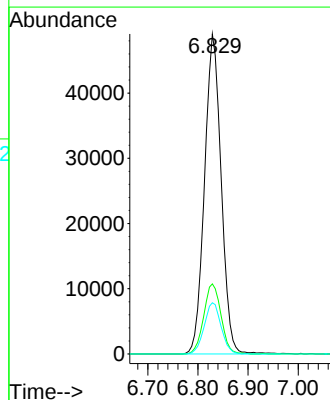
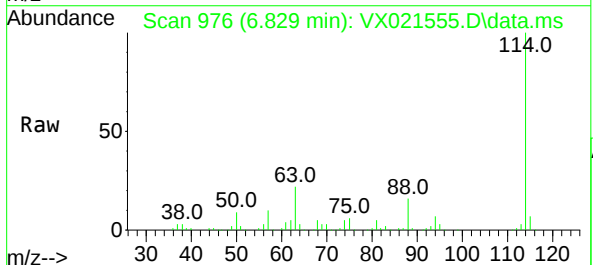
Tgt Ion: 114 Resp: 113405

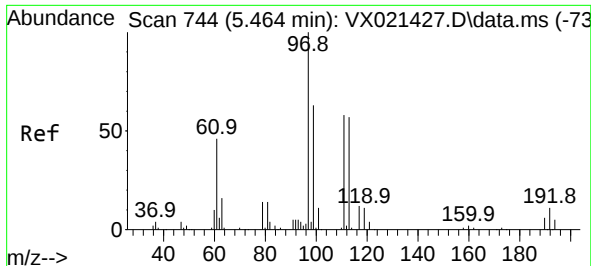
Ion Ratio Lower Upper

114 100

63 21.9 0.0 40.8

88 16.0 0.0 32.8

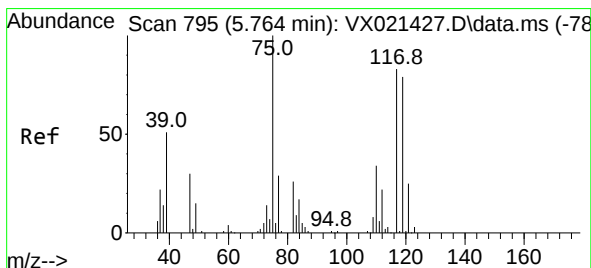
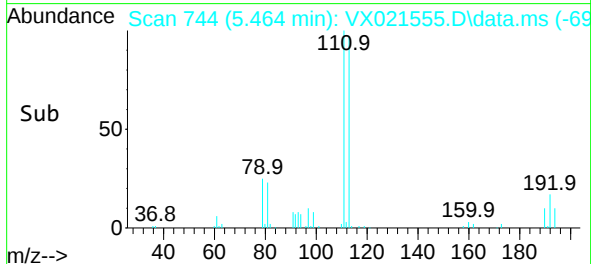
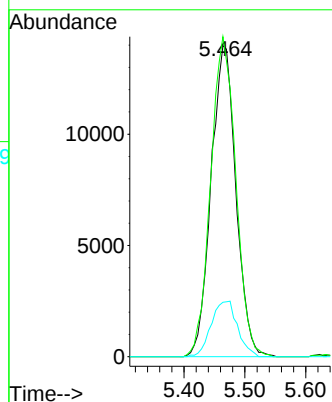
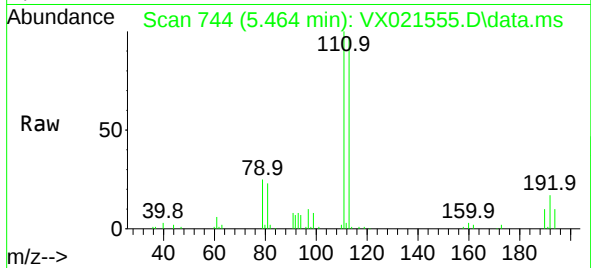




#35
Dibromofluoromethane
Concen: 49.21 ug/l
RT: 5.464 min Scan# 744
Delta R.T. -0.000 min
Lab File: VX021555.D
Acq: 27 Mar 2021 01:56

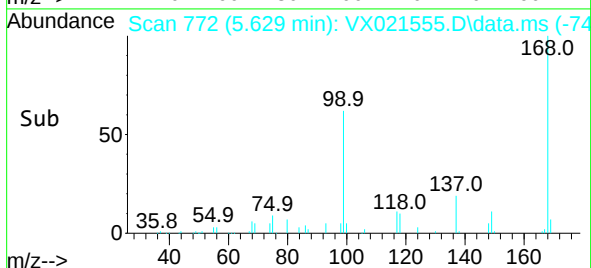
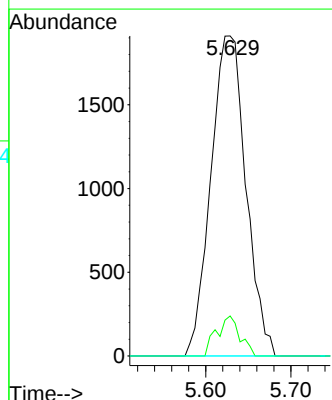
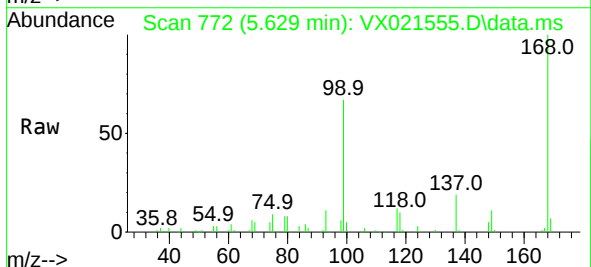
Instrument :
MSVOA_X
ClientSampleId :

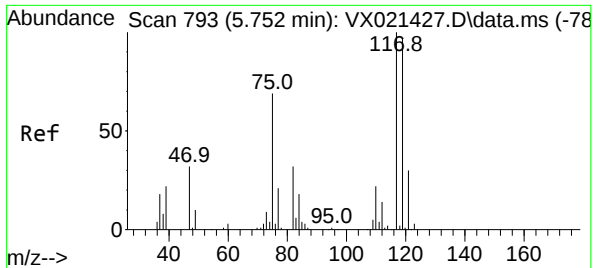
Tgt Ion:113 Resp: 39641
Ion Ratio Lower Upper
113 100
111 103.9 81.9 122.9
192 18.9 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.92 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.135 min
Lab File: VX021555.D
Acq: 27 Mar 2021 01:56

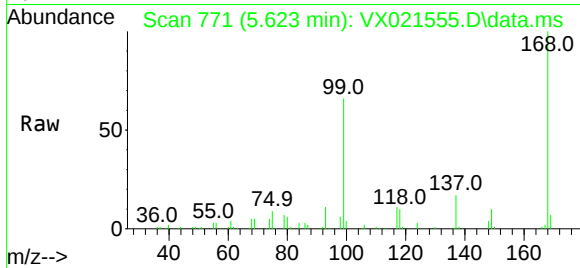
Tgt Ion: 75 Resp: 5470
Ion Ratio Lower Upper
75 100
110 8.3 18.1 54.4#
77 0.0 25.3 37.9#



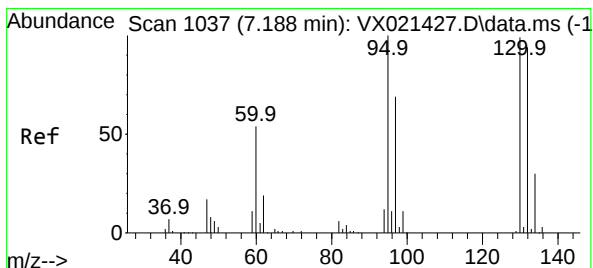
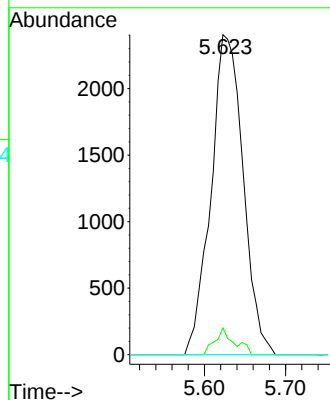
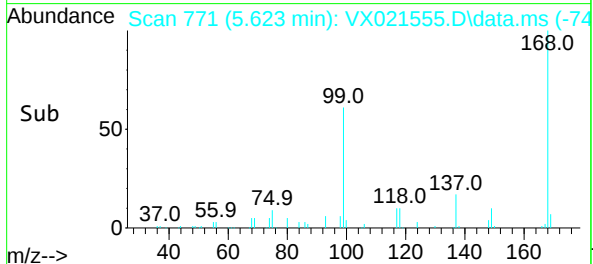


#38
Carbon Tetrachloride
Concen: 5.55 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.129 min
Lab File: VX021555.D
Acq: 27 Mar 2021 01:56

Instrument :
MSVOA_X
ClientSampleId :

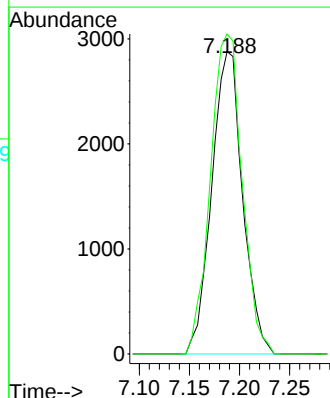
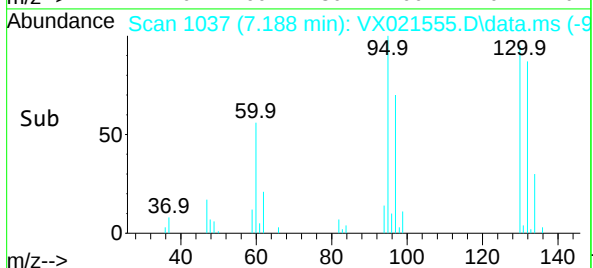
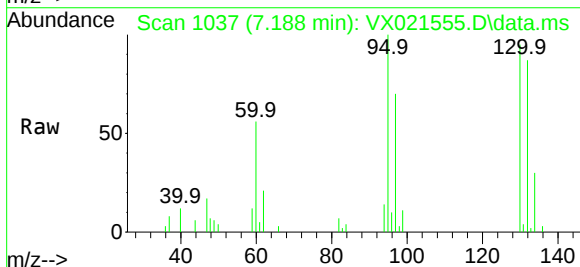


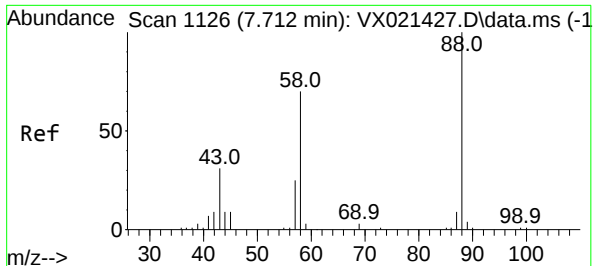
Tgt Ion:117 Resp: 6626
Ion Ratio Lower Upper
117 100
119 8.4 76.2 114.2#
121 0.0 24.8 37.2#



#44
Trichloroethene
Concen: 7.40 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VX021555.D
Acq: 27 Mar 2021 01:56

Tgt Ion:130 Resp: 6163
Ion Ratio Lower Upper
130 100
95 105.8 0.0 198.0

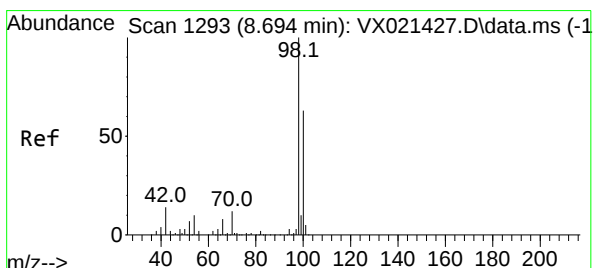
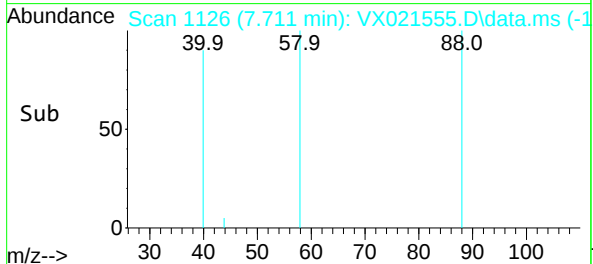
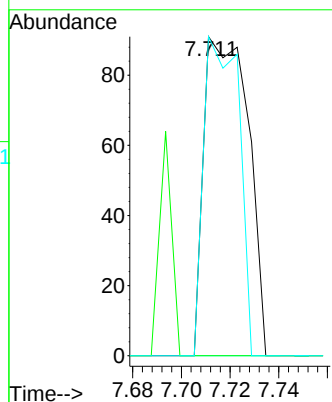
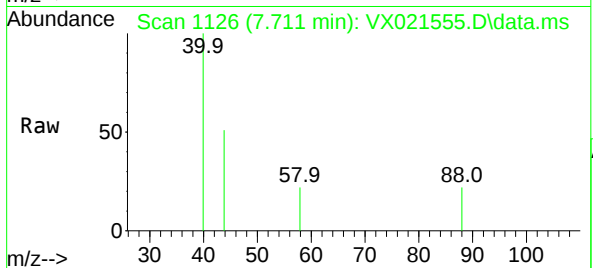




#49
1,4-Dioxane
Concen: 5.77 ug/l
RT: 7.711 min Scan# 1126
Delta R.T. -0.001 min
Lab File: VX021555.D
Acq: 27 Mar 2021 01:56

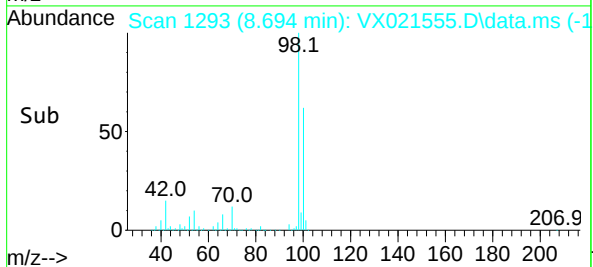
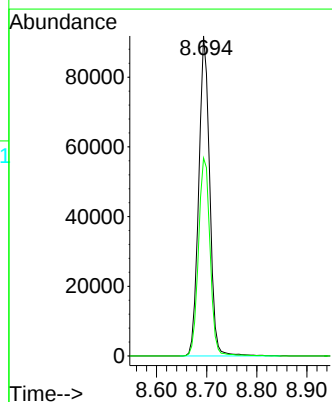
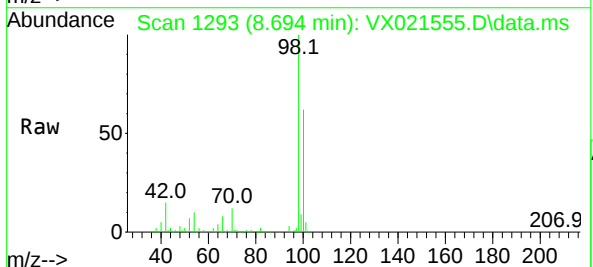
Instrument :
MSVOA_X
ClientSampleId :

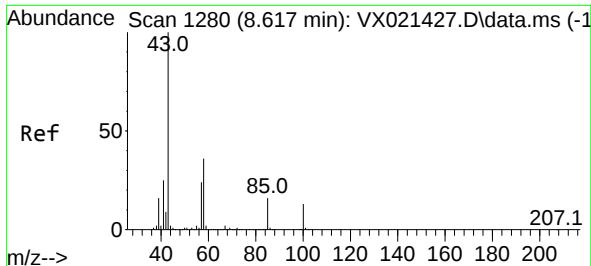
Tgt Ion: 88 Resp: 115
Ion Ratio Lower Upper
88 100
43 20.0 23.2 34.8#
58 79.1 55.0 82.4



#50
Toluene-d8
Concen: 48.51 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021555.D
Acq: 27 Mar 2021 01:56

Tgt Ion: 98 Resp: 139263
Ion Ratio Lower Upper
98 100
100 65.3 51.9 77.9

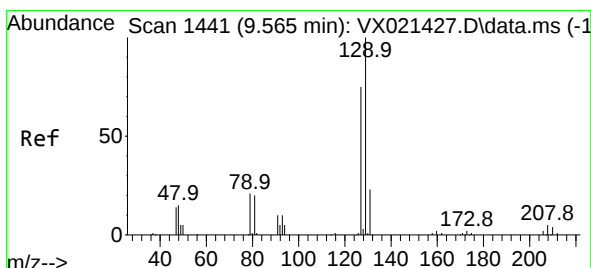
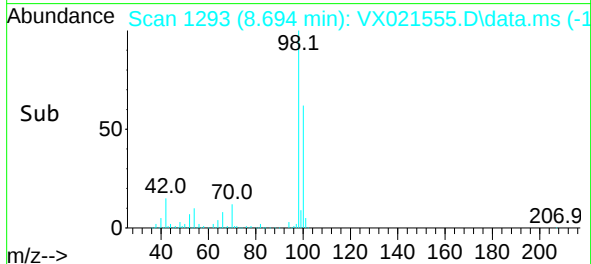
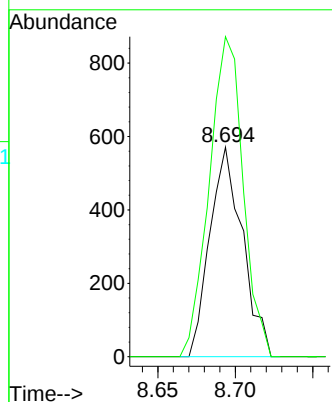
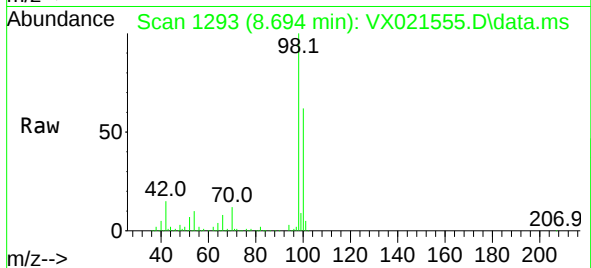




#51
4-Methyl-2-Pentanone
Concen: 0.65 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.077 min
Lab File: VX021555.D
Acq: 27 Mar 2021 01:56

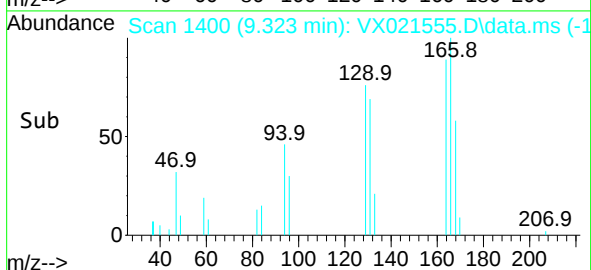
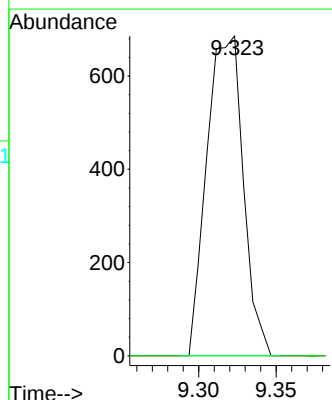
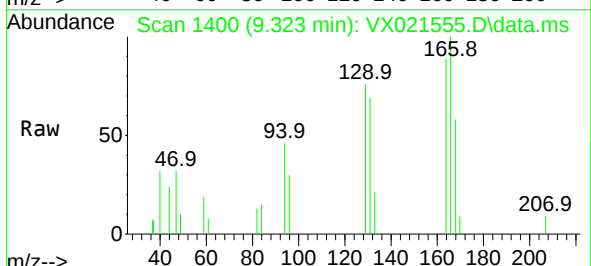
Instrument :
MSVOA_X
ClientSampled :

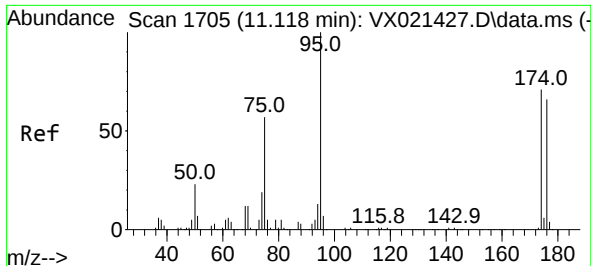
Tgt Ion: 43 Resp: 838
Ion Ratio Lower Upper
43 100
58 158.4 35.4 53.0#



#60
Dibromochloromethane
Concen: 1.22 ug/l
RT: 9.323 min Scan# 1400
Delta R.T. -0.242 min
Lab File: VX021555.D
Acq: 27 Mar 2021 01:56

Tgt Ion: 129 Resp: 1121
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

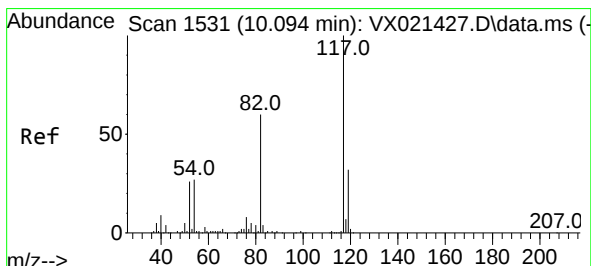
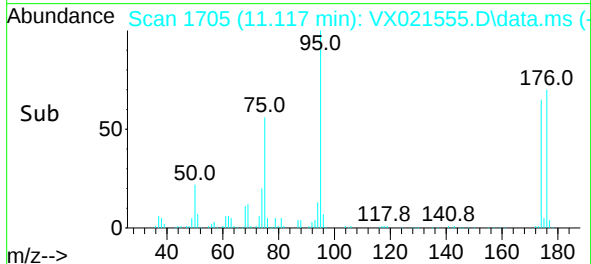
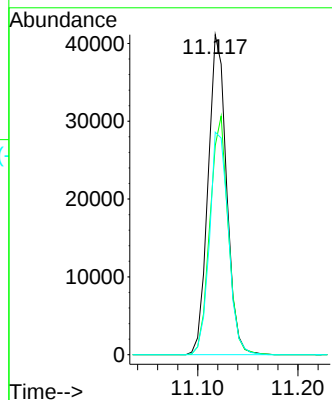
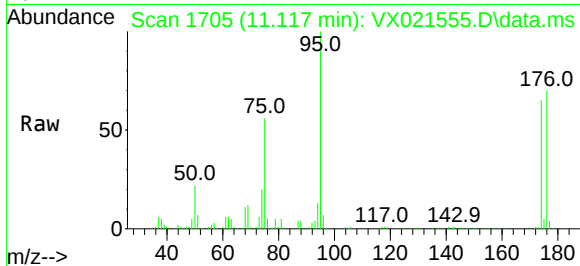




#62
4-Bromofluorobenzene
Concen: 47.20 ug/l
RT: 11.117 min Scan# 1705
Delta R.T. -0.001 min
Lab File: VX021555.D
Acq: 27 Mar 2021 01:56

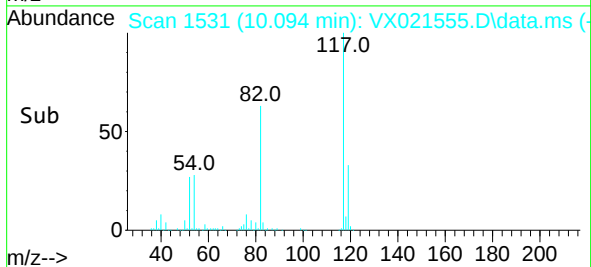
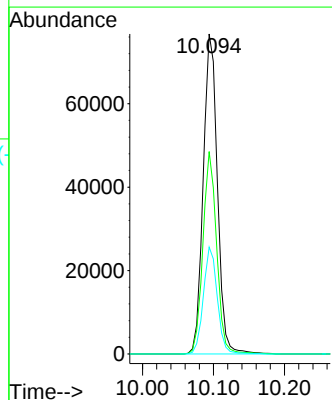
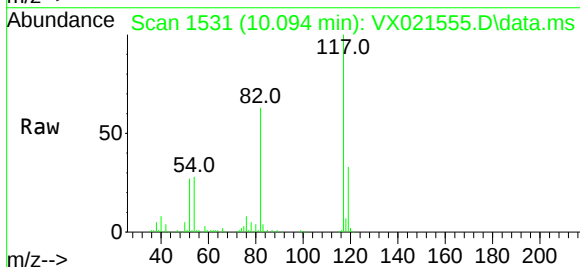
Instrument :
MSVOA_X
ClientSampleId :

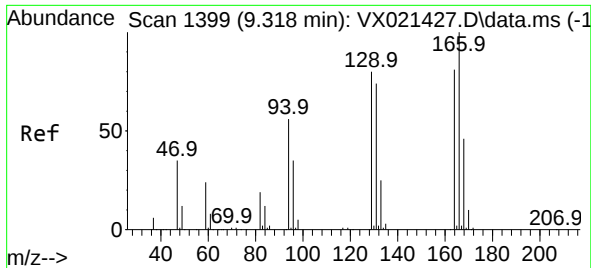
Tgt Ion: 95 Resp: 52682
Ion Ratio Lower Upper
95 100
174 73.6 0.0 154.6
176 71.2 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VX021555.D
Acq: 27 Mar 2021 01:56

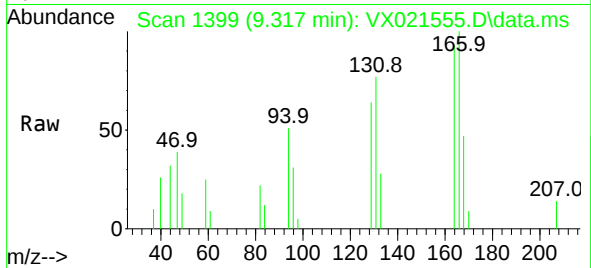
Tgt Ion: 117 Resp: 106861
Ion Ratio Lower Upper
117 100
82 63.3 47.4 71.2
119 33.4 26.6 39.8



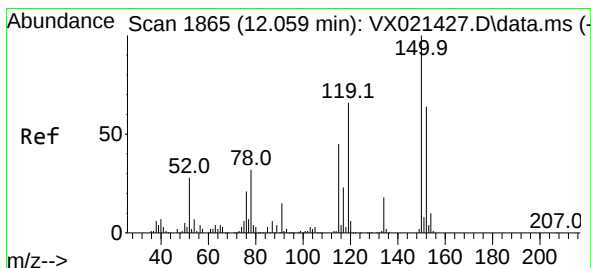
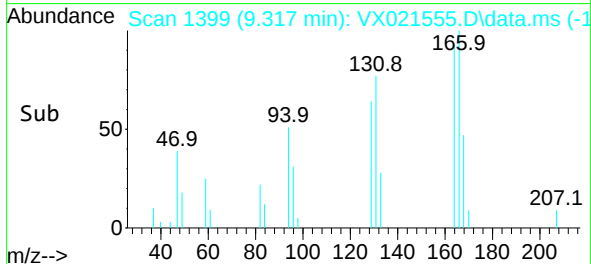
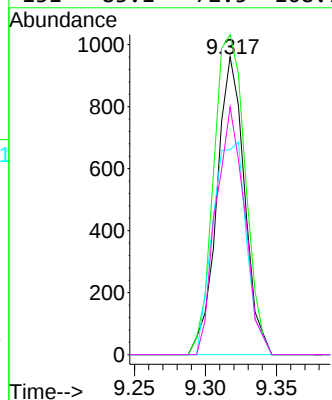


#64
Tetrachloroethene
Concen: 1.82 ug/l
RT: 9.317 min Scan# 1399
Delta R.T. -0.001 min
Lab File: VX021555.D
Acq: 27 Mar 2021 01:56

Instrument :
MSVOA_X
ClientSampled :

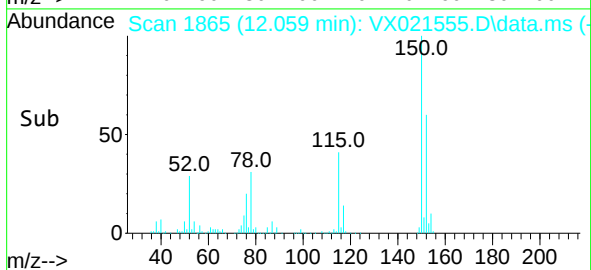
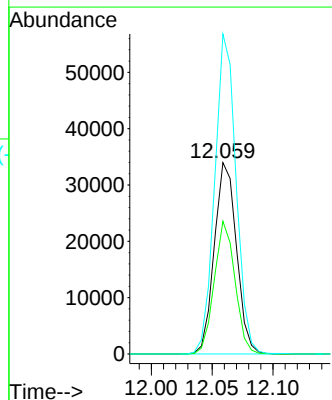
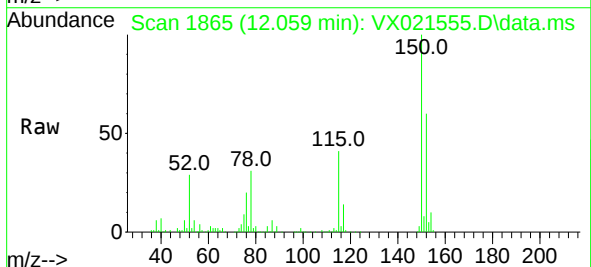


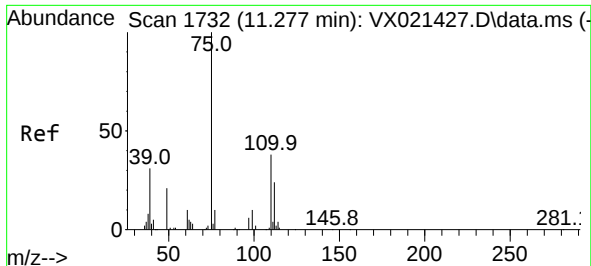
Tgt Ion:164	Resp:	1301
Ion	Ratio	Lower Upper
164	100	
166	107.4	103.4 155.2
129	68.8	70.8 106.2#
131	83.1	72.5 108.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. -0.000 min
Lab File: VX021555.D
Acq: 27 Mar 2021 01:56

Tgt Ion:152	Resp:	43019
Ion	Ratio	Lower Upper
152	100	
115	64.9	41.1 123.3
150	160.9	0.0 349.0

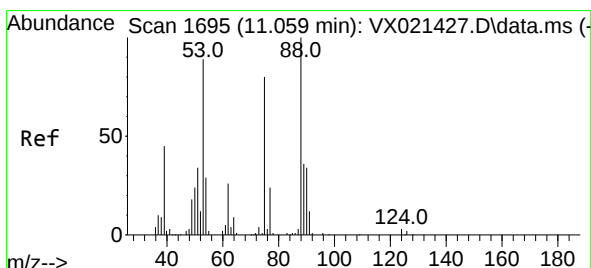
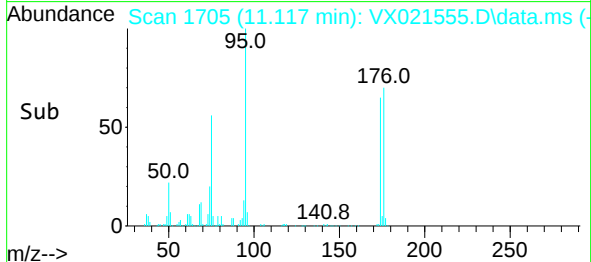
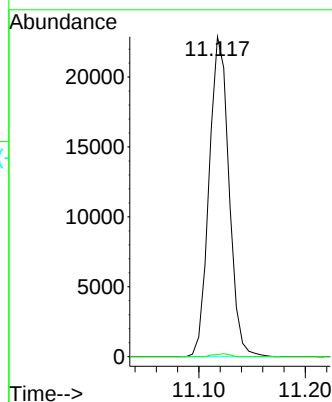
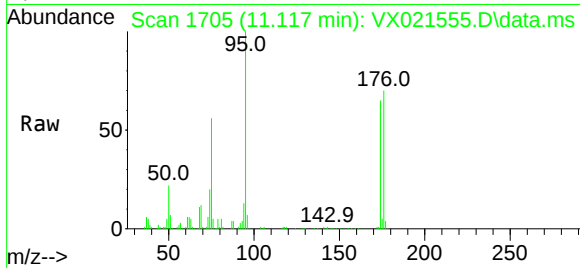




#76
1,2,3-Trichloropropane
Concen: 29.59 ug/l
RT: 11.117 min Scan# 1705
Delta R.T. -0.160 min
Lab File: VX021555.D
Acq: 27 Mar 2021 01:56

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 29629
Ion Ratio Lower Upper
75 100
77 0.7 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.12 ug/l
RT: 11.117 min Scan# 1705
Delta R.T. 0.058 min
Lab File: VX021555.D
Acq: 27 Mar 2021 01:56

Tgt Ion: 75 Resp: 29629
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

