

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032421\
 Data File : VX021469.D
 Acq On : 25 Mar 2021 05:19
 Operator : JC/MD
 Sample : M1787-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 25 06:57:19 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)

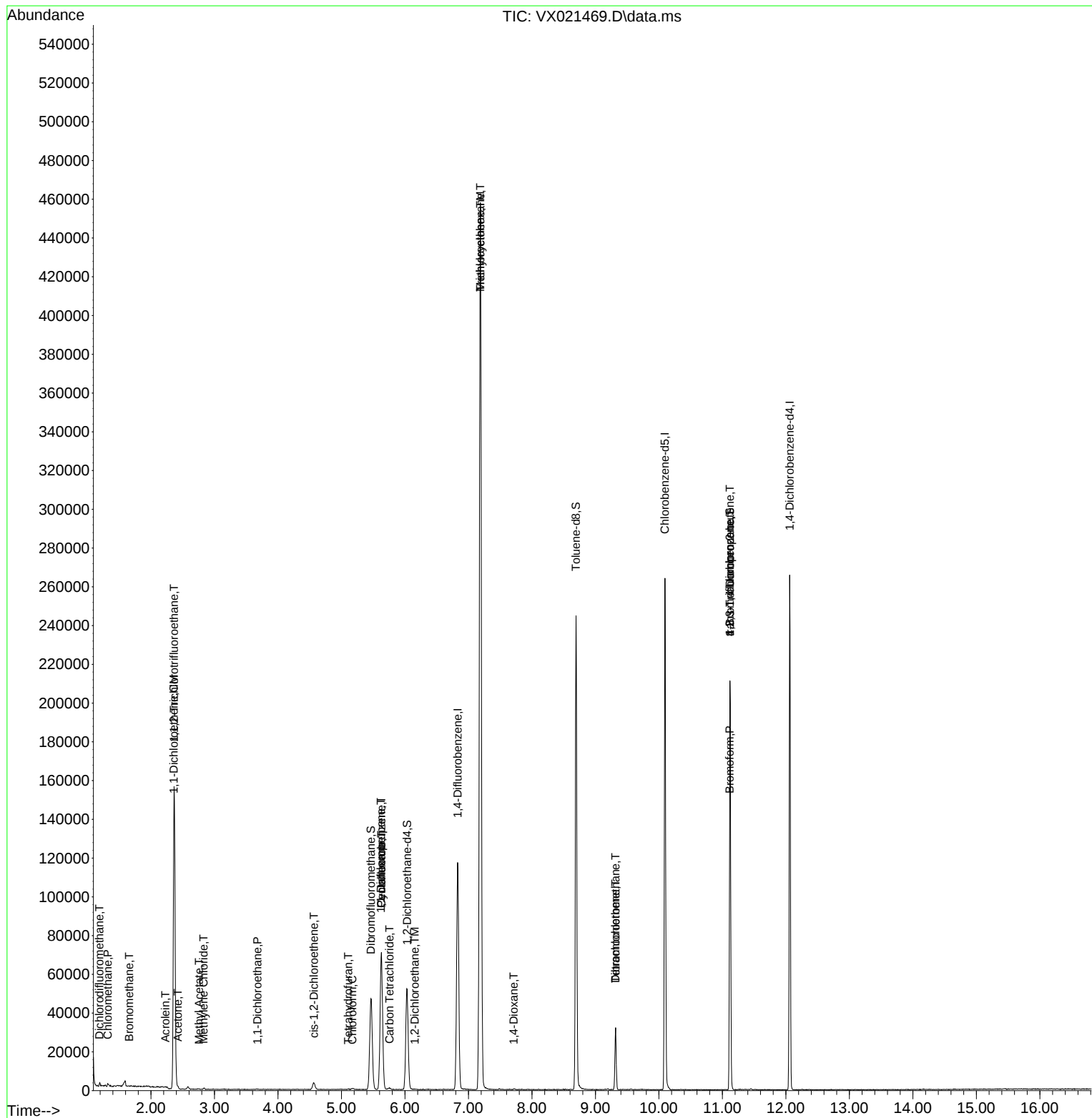
Internal Standards						
1) Pentafluorobenzene	5.629	168	59117	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	107326	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	110176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	47992	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.035	65	51368	52.22	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.44%	
35) Dibromofluoromethane	5.464	113	39414	51.70	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.40%	
50) Toluene-d8	8.694	98	138002	50.80	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.60%	
62) 4-Bromofluorobenzene	11.118	95	54203	51.32	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.64%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.187	85	302	0.46	ug/l	93
3) Chloromethane	1.316	50	1753	2.39	ug/l #	87
5) Bromomethane	1.658	94	104	0.39	ug/l #	2
9) 1,1,2-Trichlorotrifluo...	2.364	101	59834	98.33	ug/l	97
12) 1,1-Dichloroethene	2.358	96	790	1.33	ug/l	92
13) Acrolein	2.228	56	65	5.08	ug/l	87
16) Acetone	2.422	43	934	2.51	ug/l #	81
18) Methyl Acetate	2.758	43	313	0.29	ug/l #	47
20) Methylene Chloride	2.828	84	297	0.41	ug/l #	72
24) 1,1-Dichloroethane	3.676	63	406	0.32	ug/l #	81
27) cis-1,2-Dichloroethene	4.564	96	2126	2.80	ug/l	96
29) Tetrahydrofuran	5.105	42	170	0.47	ug/l #	27
30) Chloroform	5.170	83	618	0.46	ug/l #	77
31) Cyclohexane	5.629	56	1713	1.58	ug/l #	35
36) 1,1-Dichloropropene	5.623	75	5544	5.27	ug/l #	51
38) Carbon Tetrachloride	5.758	117	625	0.55	ug/l #	82
39) Methylcyclohexane	7.188	83	2254	1.93	ug/l #	1
42) 1,2-Dichloroethane	6.152	62	307	0.24	ug/l #	73
44) Trichloroethene	7.188	130	160774	204.02	ug/l	92
49) 1,4-Dioxane	7.711	88	235	12.46	ug/l #	83
60) Dibromochloromethane	9.317	129	5605	6.43	ug/l #	11
64) Tetrachloroethene	9.317	164	5132	6.95	ug/l	95
71) Bromoform	11.112	173	140	0.20	ug/l #	29
76) 1,2,3-Trichloropropane	11.118	75	31534	28.22	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	31534	85.97	ug/l #	12

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

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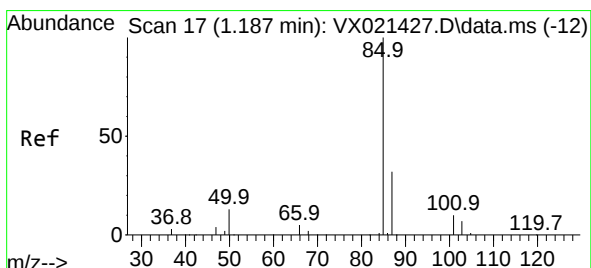
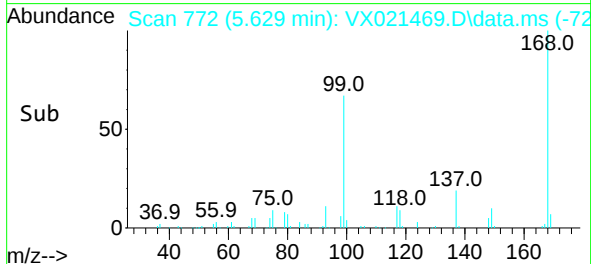
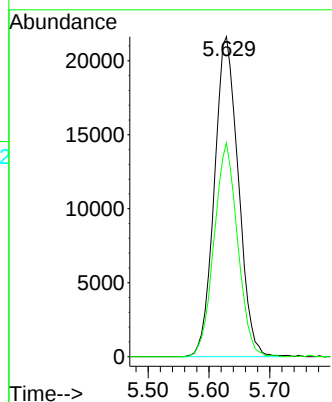
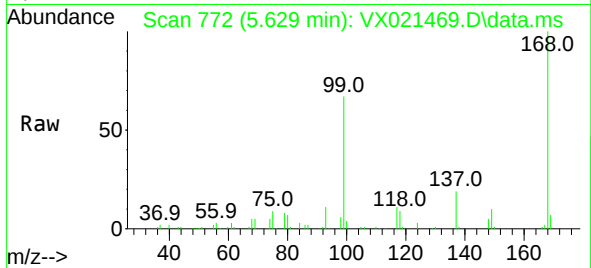




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.000 min
Lab File: VX021469.D
Acq: 25 Mar 2021 05:19

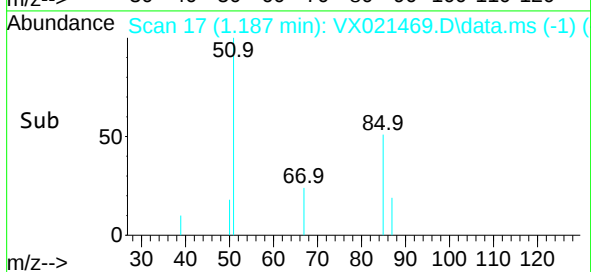
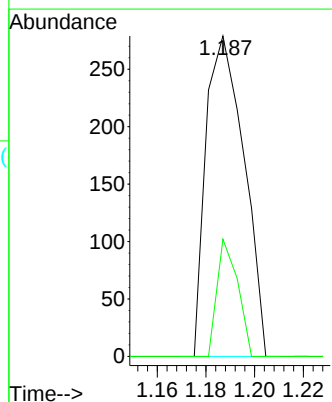
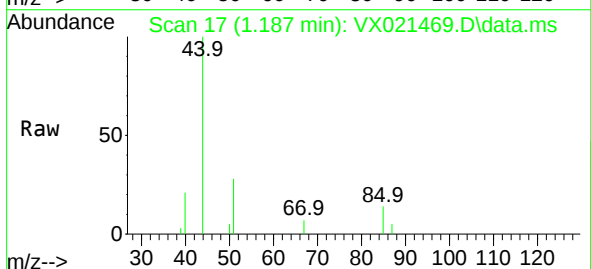
Instrument :
MSVOA_X
ClientSampleId :

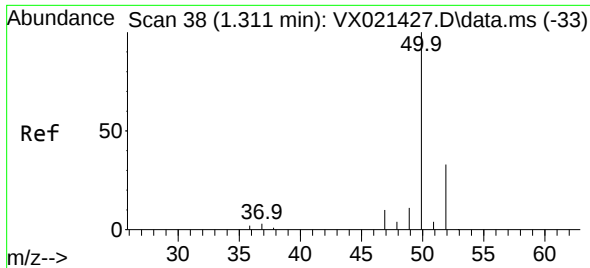
Tgt Ion:168 Resp: 59117
Ion Ratio Lower Upper
168 100
99 66.8 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.46 ug/l
RT: 1.187 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX021469.D
Acq: 25 Mar 2021 05:19

Tgt Ion: 85 Resp: 302
Ion Ratio Lower Upper
85 100
87 36.6 16.4 49.2

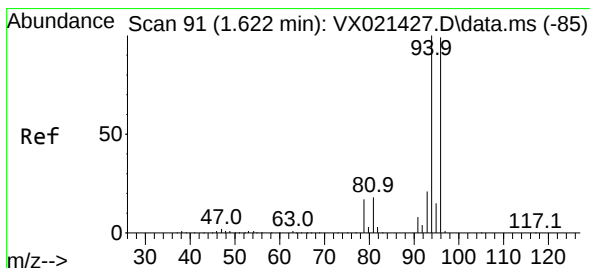
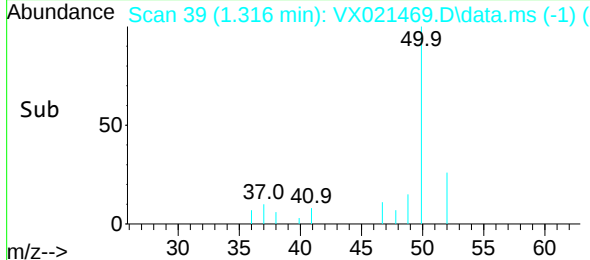
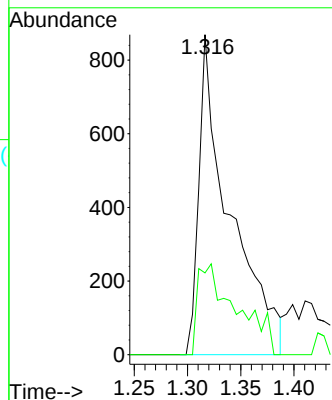
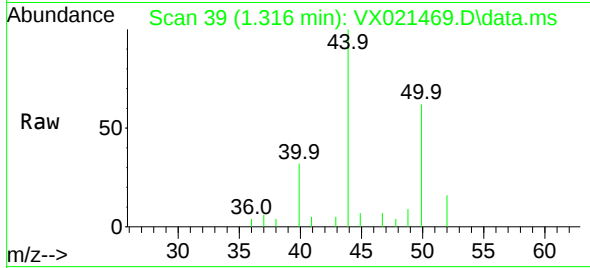




#3
Chloromethane
Concen: 2.39 ug/l
RT: 1.316 min Scan# 39
Delta R.T. 0.005 min
Lab File: VX021469.D
Acq: 25 Mar 2021 05:19

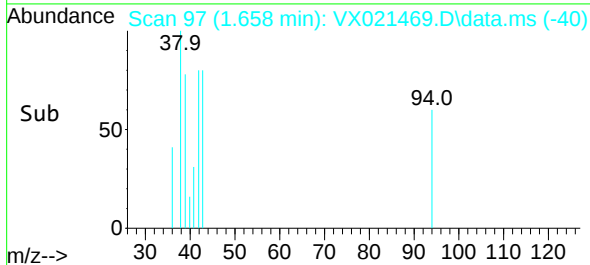
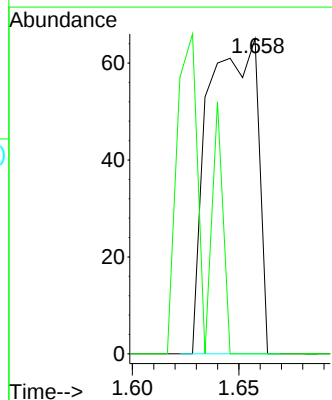
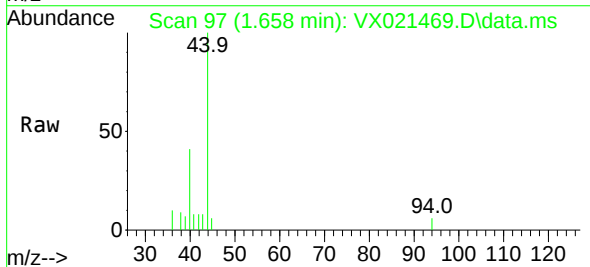
Instrument :
MSVOA_X
ClientSampleId :

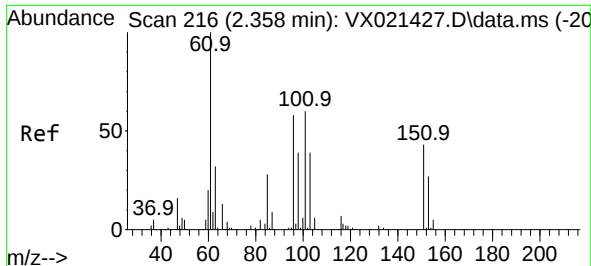
Tgt Ion: 50 Resp: 1753
Ion Ratio Lower Upper
50 100
52 25.5 26.4 39.6#



#5
Bromomethane
Concen: 0.39 ug/l
RT: 1.658 min Scan# 97
Delta R.T. 0.036 min
Lab File: VX021469.D
Acq: 25 Mar 2021 05:19

Tgt Ion: 94 Resp: 104
Ion Ratio Lower Upper
94 100
96 0.0 76.4 114.6#

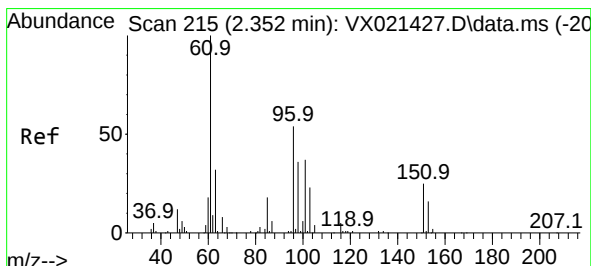
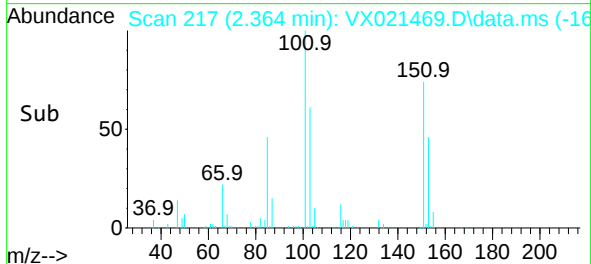
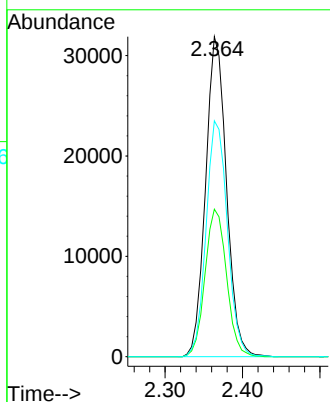
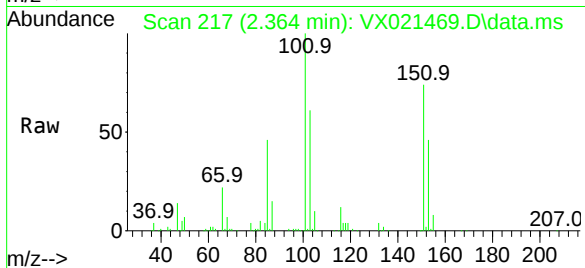




#9
1,1,2-Trichlorotrifluoroethane
Concen: 98.33 ug/l
RT: 2.364 min Scan# 217
Delta R.T. 0.006 min
Lab File: VX021469.D
Acq: 25 Mar 2021 05:19

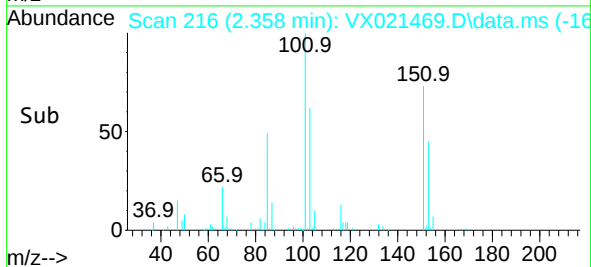
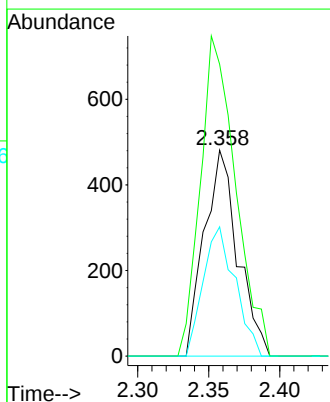
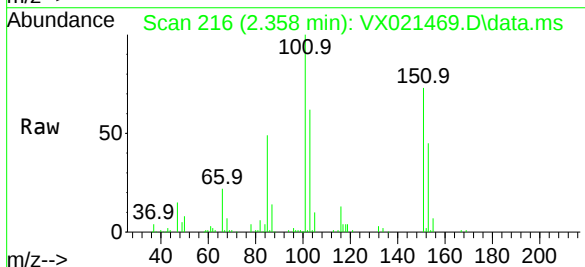
Instrument :
MSVOA_X
ClientSampled :

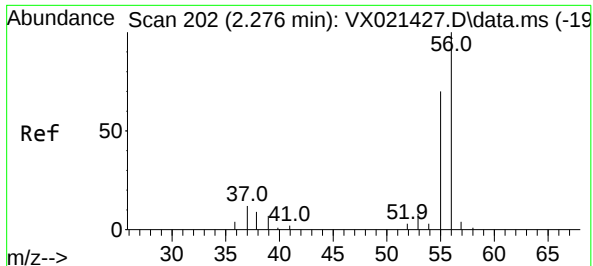
Tgt Ion:101 Resp: 59834
Ion Ratio Lower Upper
101 100
85 47.4 34.9 52.3
151 75.2 61.4 92.2



#12
1,1-Dichloroethene
Concen: 1.33 ug/l
RT: 2.358 min Scan# 216
Delta R.T. 0.006 min
Lab File: VX021469.D
Acq: 25 Mar 2021 05:19

Tgt Ion: 96 Resp: 790
Ion Ratio Lower Upper
96 100
61 141.8 124.6 187.0
98 62.8 50.6 76.0

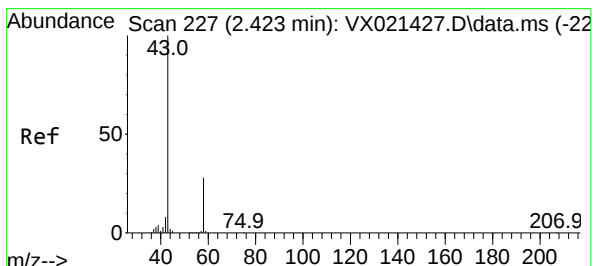
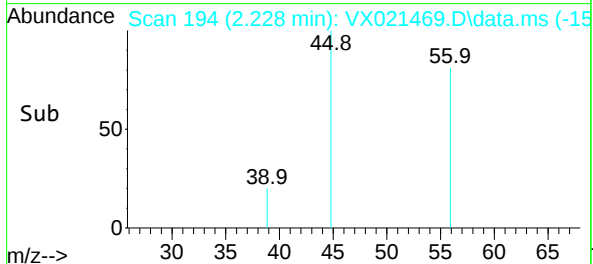
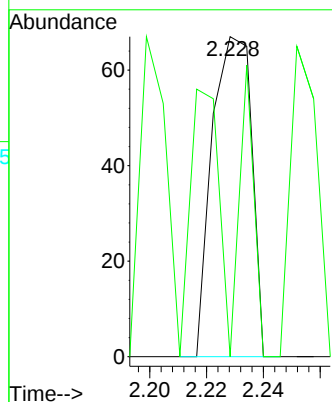
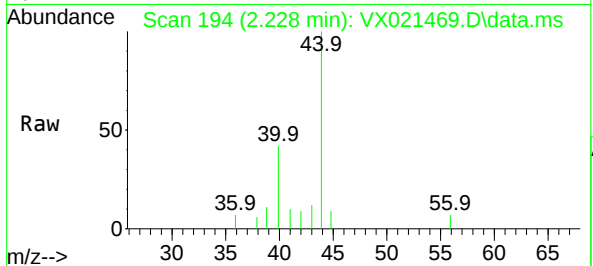




#13
Acrolein
Concen: 5.08 ug/l
RT: 2.228 min Scan# 194
Delta R.T. -0.048 min
Lab File: VX021469.D
Acq: 25 Mar 2021 05:19

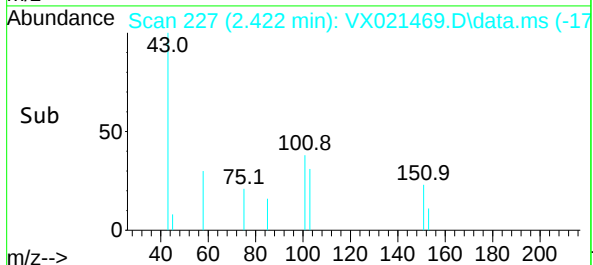
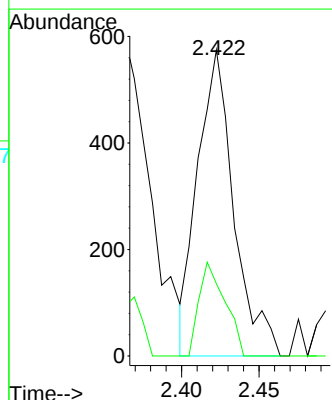
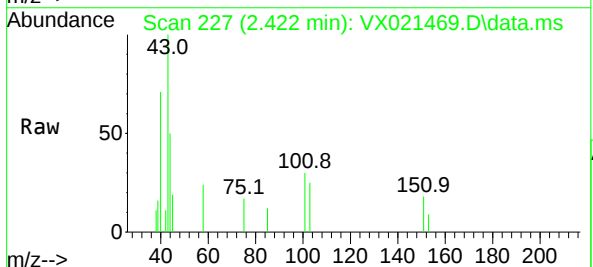
Instrument :
MSVOA_X
ClientSampled :

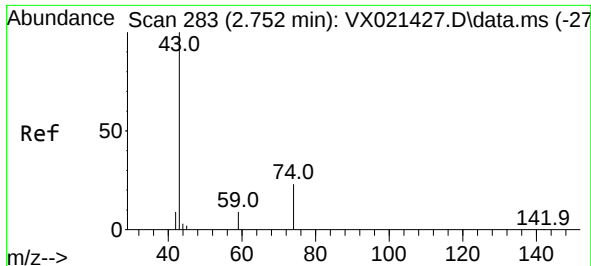
Tgt Ion: 56 Resp: 65
Ion Ratio Lower Upper
56 100
55 60.0 56.4 84.6



#16
Acetone
Concen: 2.51 ug/l
RT: 2.422 min Scan# 227
Delta R.T. -0.001 min
Lab File: VX021469.D
Acq: 25 Mar 2021 05:19

Tgt Ion: 43 Resp: 934
Ion Ratio Lower Upper
43 100
58 23.7 27.8 41.8#

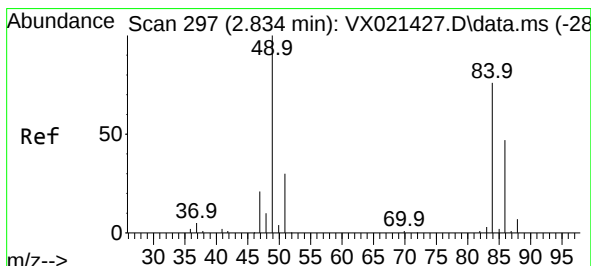
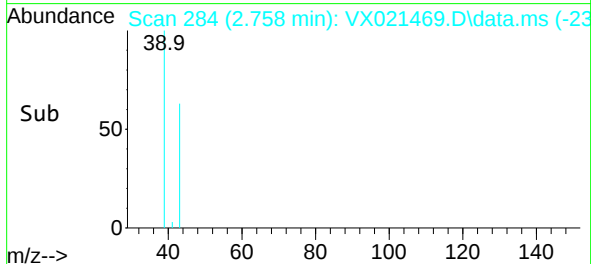
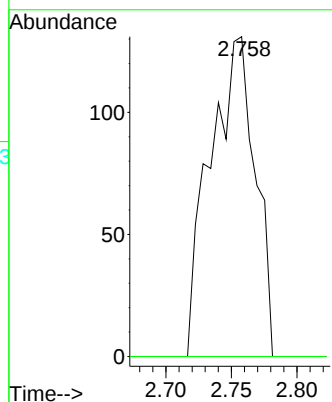
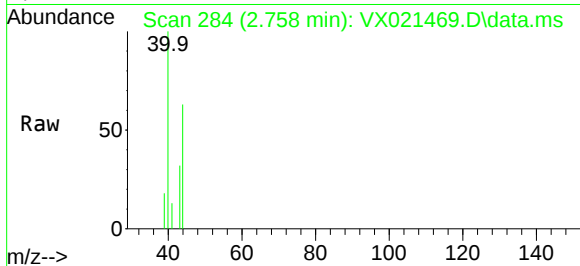




#18
Methyl Acetate
Concen: 0.29 ug/l
RT: 2.758 min Scan# 284
Delta R.T. 0.006 min
Lab File: VX021469.D
Acq: 25 Mar 2021 05:19

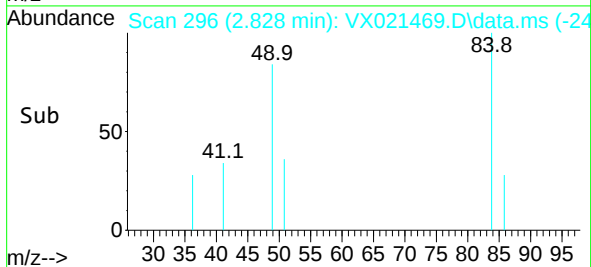
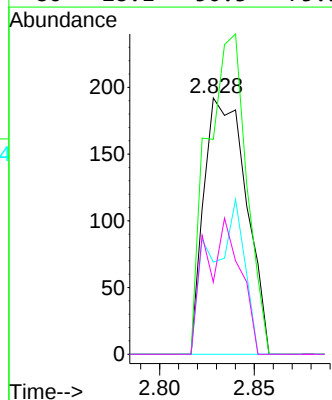
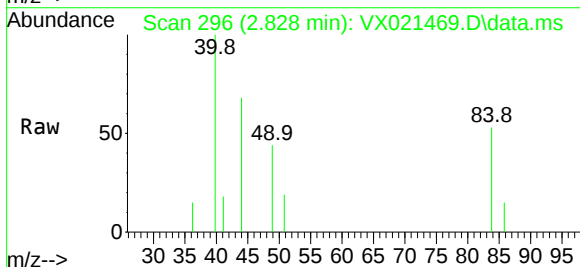
Instrument :
MSVOA_X
ClientSampled :

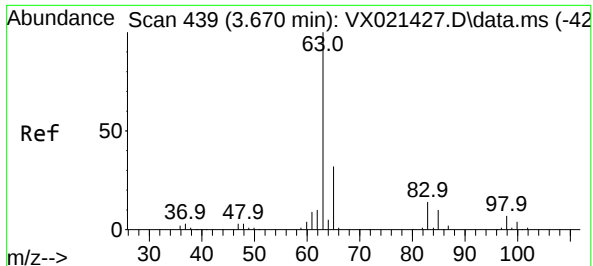
Tgt Ion: 43 Resp: 313
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



#20
Methylene Chloride
Concen: 0.41 ug/l
RT: 2.828 min Scan# 296
Delta R.T. -0.006 min
Lab File: VX021469.D
Acq: 25 Mar 2021 05:19

Tgt Ion: 84 Resp: 297
Ion Ratio Lower Upper
84 100
49 83.9 88.6 132.8#
51 35.9 27.0 40.6
86 28.1 50.3 75.5#

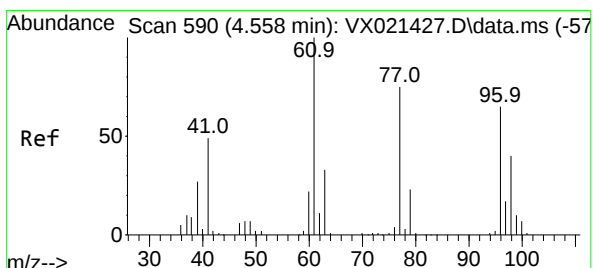
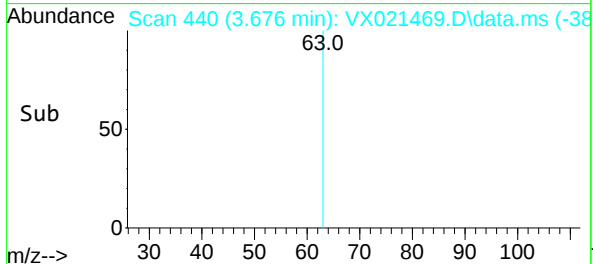
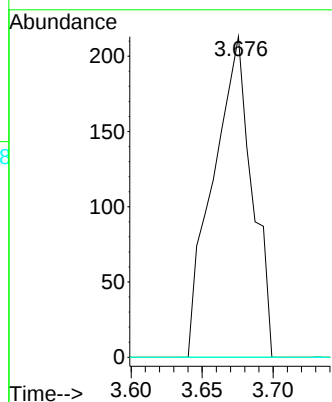
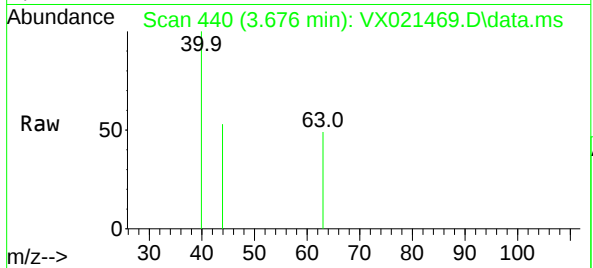




#24
1,1-Dichloroethane
Concen: 0.32 ug/l
RT: 3.676 min Scan# 440
Delta R.T. 0.006 min
Lab File: VX021469.D
Acq: 25 Mar 2021 05:19

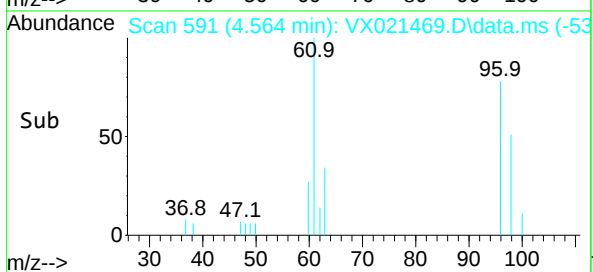
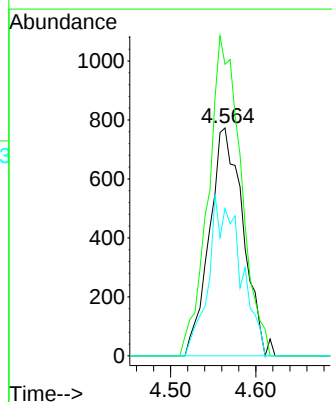
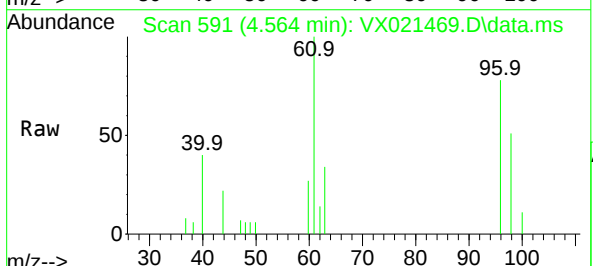
Instrument :
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ClientSampled :

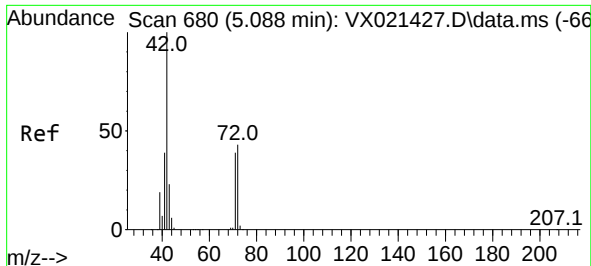
Tgt Ion: 63 Resp: 406
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#



#27
cis-1,2-Dichloroethene
Concen: 2.80 ug/l
RT: 4.564 min Scan# 591
Delta R.T. 0.006 min
Lab File: VX021469.D
Acq: 25 Mar 2021 05:19

Tgt Ion: 96 Resp: 2126
Ion Ratio Lower Upper
96 100
61 136.6 0.0 285.6
98 66.7 0.0 129.6





#29

Tetrahydrofuran

Concen: 0.47 ug/l

RT: 5.105 min Scan# 683

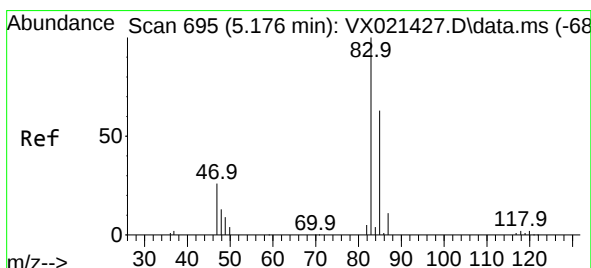
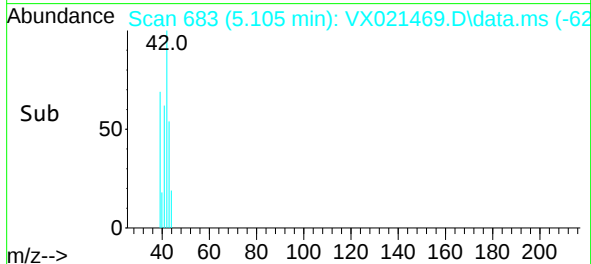
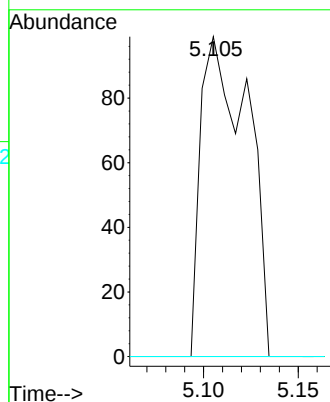
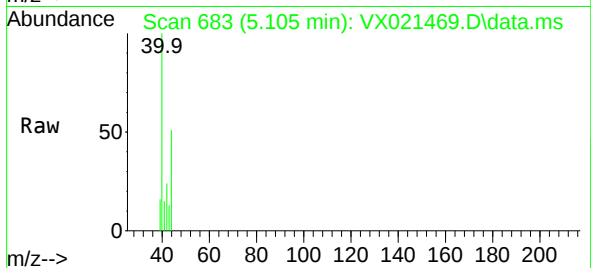
Delta R.T. 0.017 min

Lab File: VX021469.D

Acq: 25 Mar 2021 05:19

Tgt Ion: 42	Resp: 170
Ion Ratio	Lower Upper
42 100	
72 0.0	41.7 62.5#
71 0.0	38.4 57.6#

Instrument :
MSVOA_X
ClientSampled :



#30

Chloroform

Concen: 0.46 ug/l

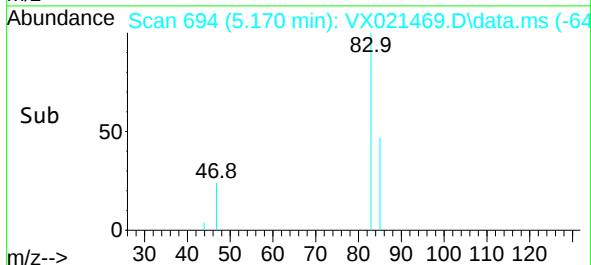
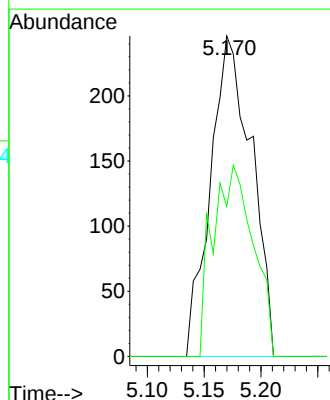
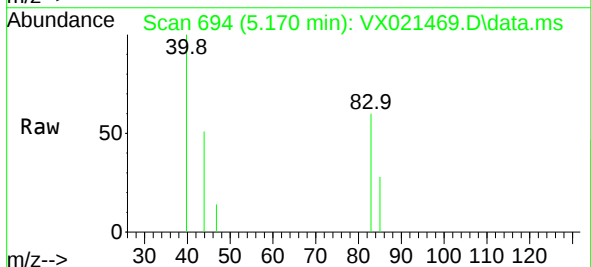
RT: 5.170 min Scan# 694

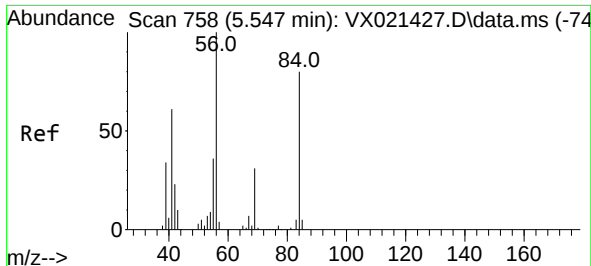
Delta R.T. -0.006 min

Lab File: VX021469.D

Acq: 25 Mar 2021 05:19

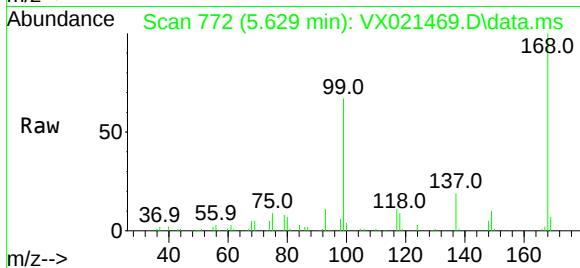
Tgt Ion: 83	Resp: 618
Ion Ratio	Lower Upper
83 100	
85 46.7	52.0 78.0#



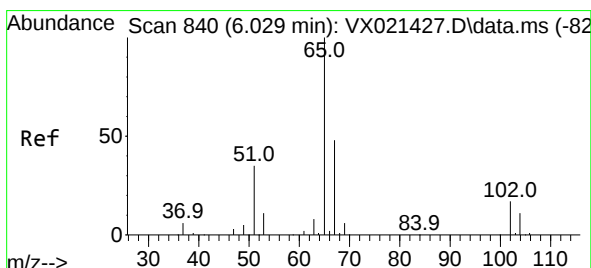
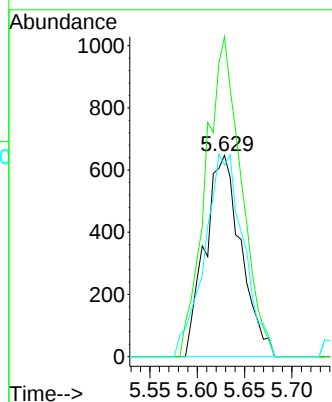
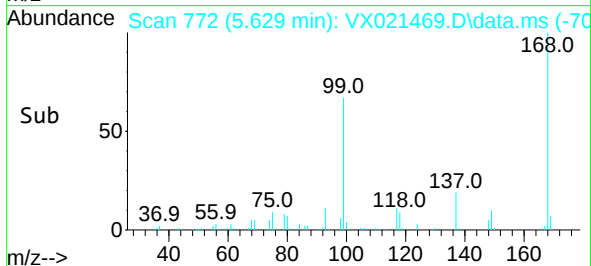


#31
Cyclohexane
Concen: 1.58 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.082 min
Lab File: VX021469.D
Acq: 25 Mar 2021 05:19

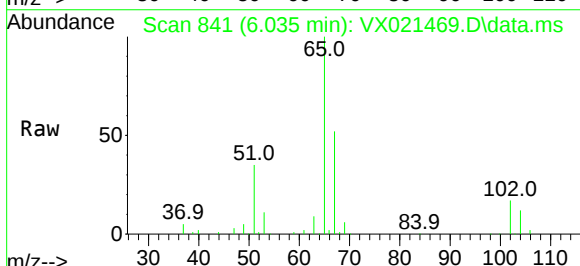
Instrument :
MSVOA_X
ClientSampleId :



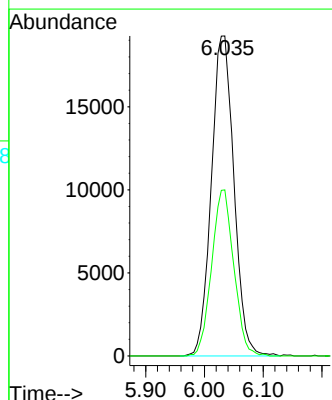
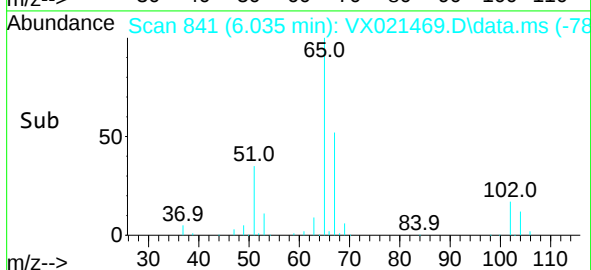
Tgt Ion: 56 Resp: 1713
Ion Ratio Lower Upper
56 100
69 159.0 25.3 37.9#
84 95.2 71.4 107.0

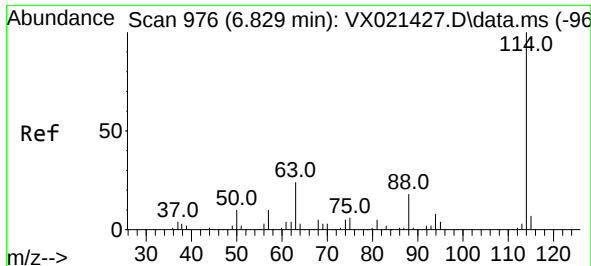


#33
1,2-Dichloroethane-d4
Concen: 52.22 ug/l
RT: 6.035 min Scan# 841
Delta R.T. 0.006 min
Lab File: VX021469.D
Acq: 25 Mar 2021 05:19



Tgt Ion: 65 Resp: 51368
Ion Ratio Lower Upper
65 100
67 50.9 0.0 105.4

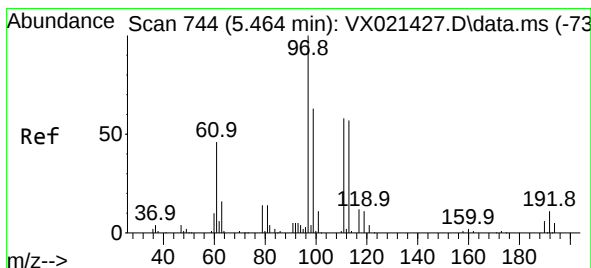
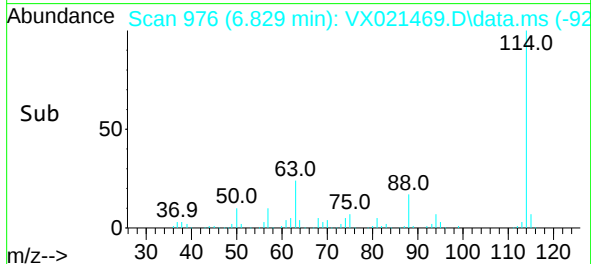
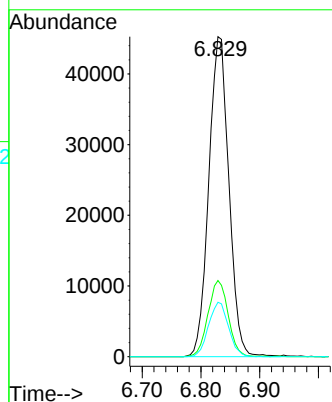
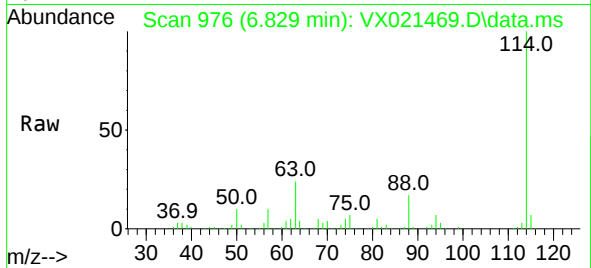




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. -0.000 min
Lab File: VX021469.D
Acq: 25 Mar 2021 05:19

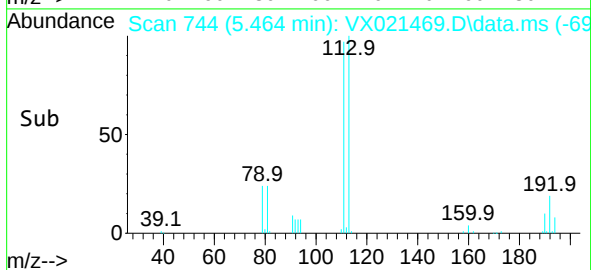
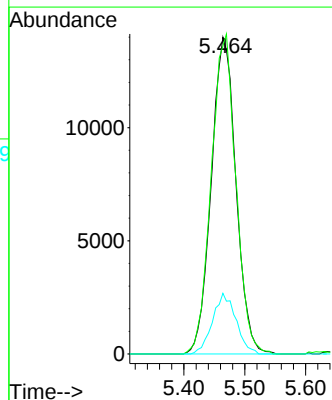
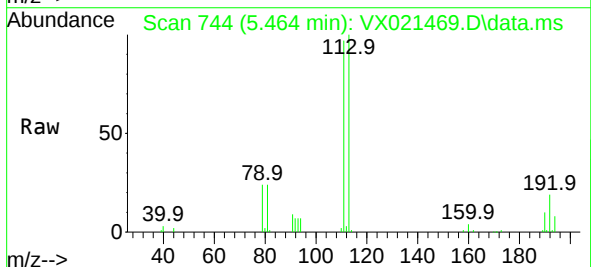
Instrument :
MSVOA_X
ClientSampled :

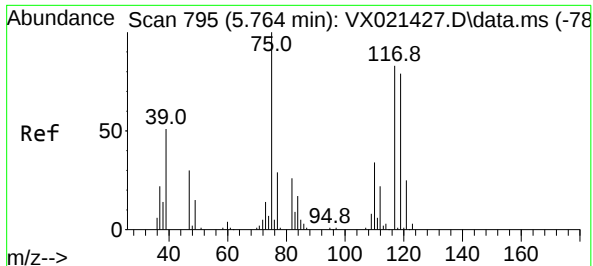
Tgt Ion:114 Resp: 107326
Ion Ratio Lower Upper
114 100
63 23.8 0.0 40.8
88 17.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.70 ug/l
RT: 5.464 min Scan# 744
Delta R.T. -0.000 min
Lab File: VX021469.D
Acq: 25 Mar 2021 05:19

Tgt Ion:113 Resp: 39414
Ion Ratio Lower Upper
113 100
111 100.8 81.9 122.9
192 18.2 16.7 25.1

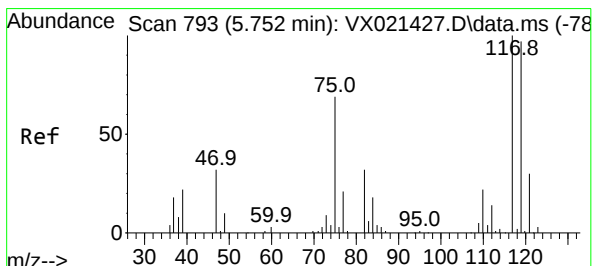
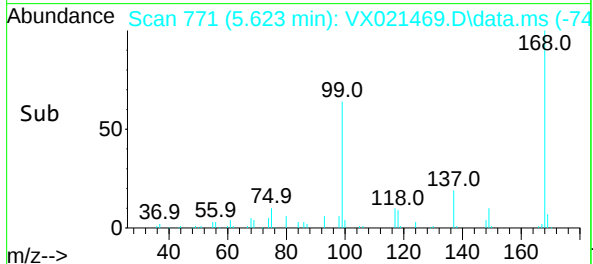
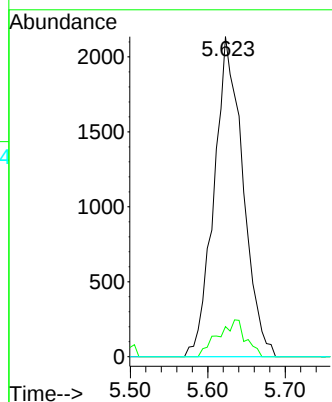
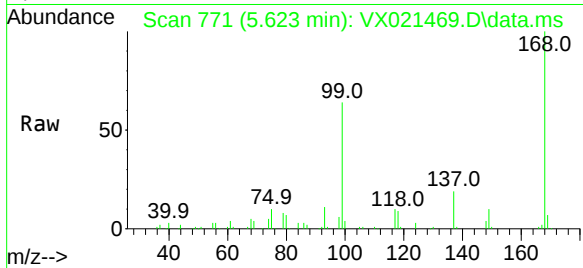




#36
1,1-Dichloropropene
Concen: 5.27 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.141 min
Lab File: VX021469.D
Acq: 25 Mar 2021 05:19

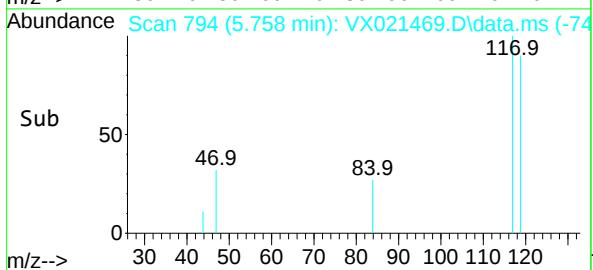
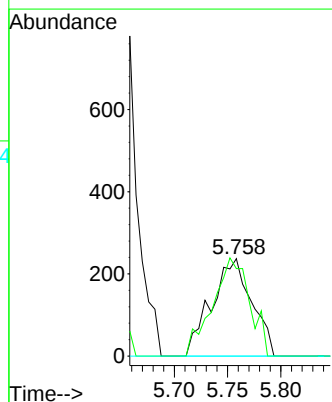
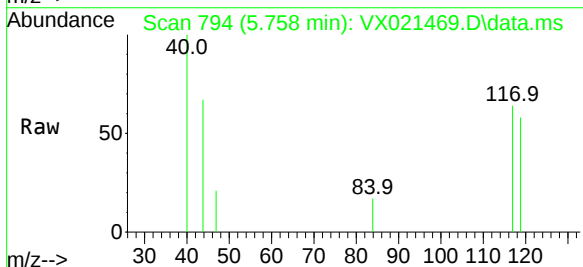
Instrument :
MSVOA_X
ClientSampled :

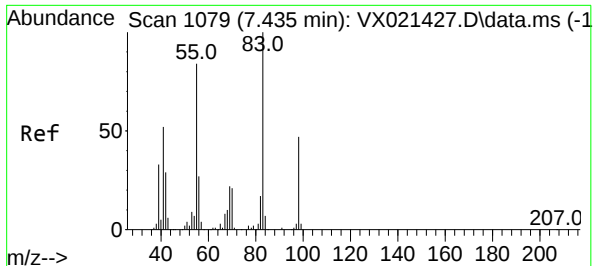
Tgt Ion: 75 Resp: 5544
Ion Ratio Lower Upper
75 100
110 11.0 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 0.55 ug/l
RT: 5.758 min Scan# 794
Delta R.T. 0.006 min
Lab File: VX021469.D
Acq: 25 Mar 2021 05:19

Tgt Ion: 117 Resp: 625
Ion Ratio Lower Upper
117 100
119 89.9 76.2 114.2
121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: 1.93 ug/l

RT: 7.188 min Scan# 1037

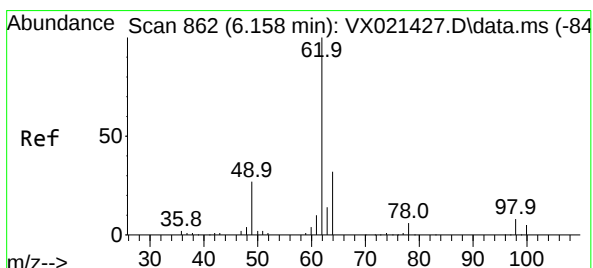
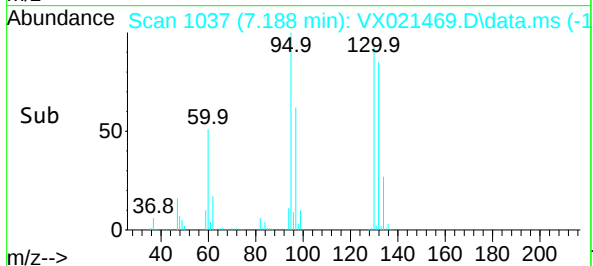
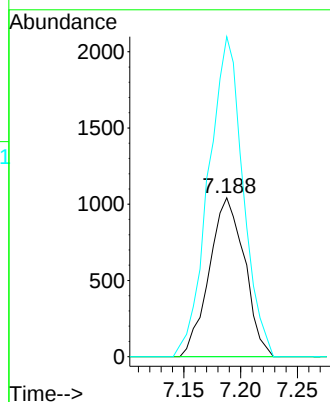
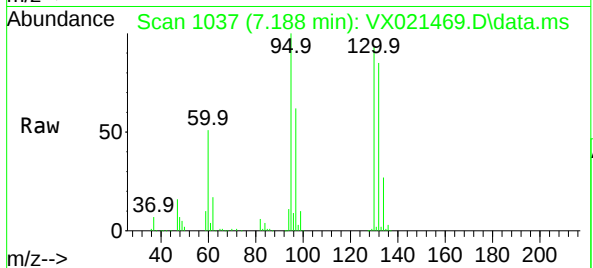
Delta R.T. -0.247 min

Lab File: VX021469.D

Acq: 25 Mar 2021 05:19

Tgt Ion:	83	Resp:	2254
Ion	Ratio	Lower	Upper
83	100		
55	0.0	58.9	88.3#
98	201.4	38.1	57.1#

Instrument :
MSVOA_X
ClientSampled :



#42

1,2-Dichloroethane

Concen: 0.24 ug/l

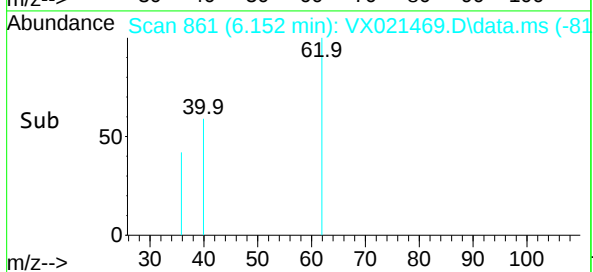
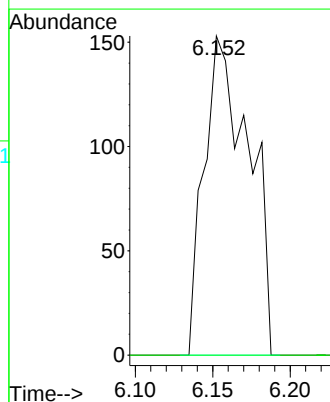
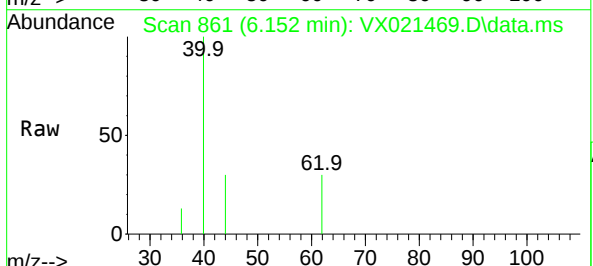
RT: 6.152 min Scan# 861

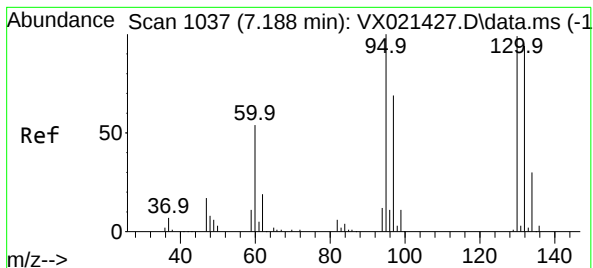
Delta R.T. -0.006 min

Lab File: VX021469.D

Acq: 25 Mar 2021 05:19

Tgt Ion:	62	Resp:	307
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	20.2





#44

Trichloroethene

Concen: 204.02 ug/l

RT: 7.188 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VX021469.D

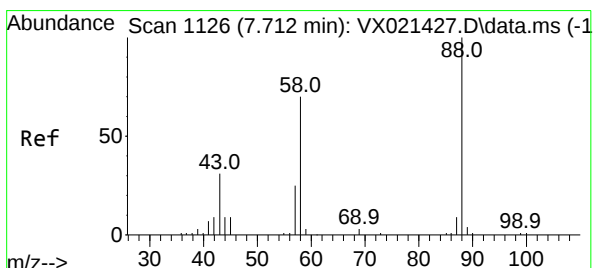
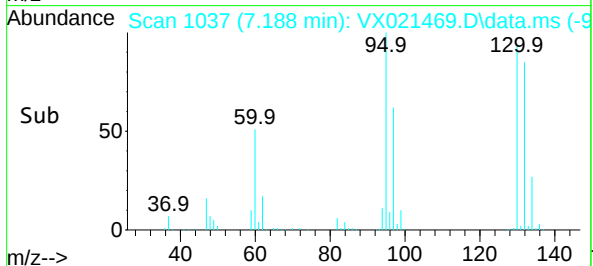
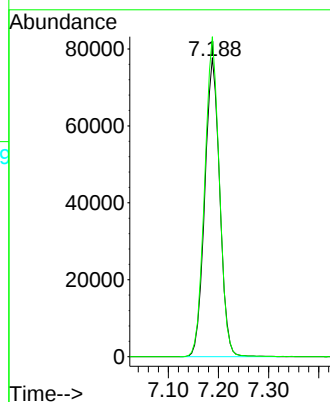
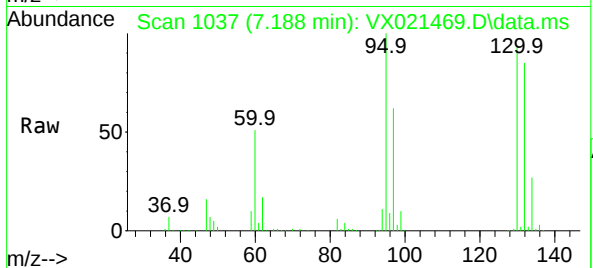
Acq: 25 Mar 2021 05:19

Tgt Ion:130 Resp: 160774

Ion Ratio Lower Upper

130 100

95 107.0 0.0 198.0



#49

1,4-Dioxane

Concen: 12.46 ug/l

RT: 7.711 min Scan# 1126

Delta R.T. -0.001 min

Lab File: VX021469.D

Acq: 25 Mar 2021 05:19

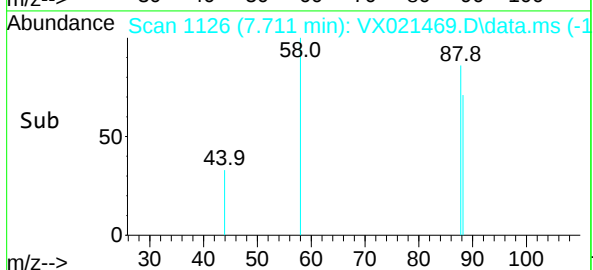
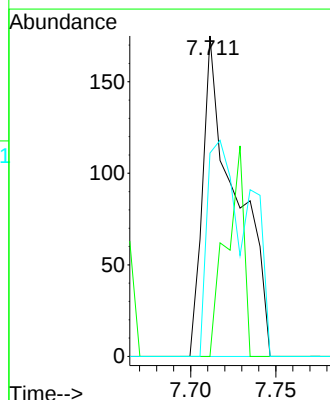
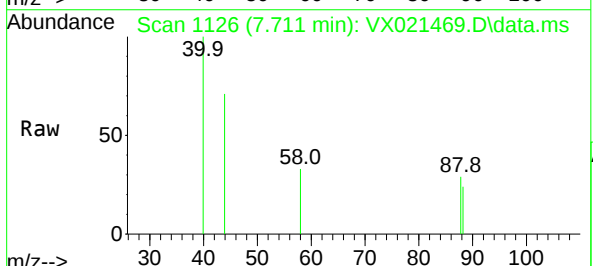
Tgt Ion: 88 Resp: 235

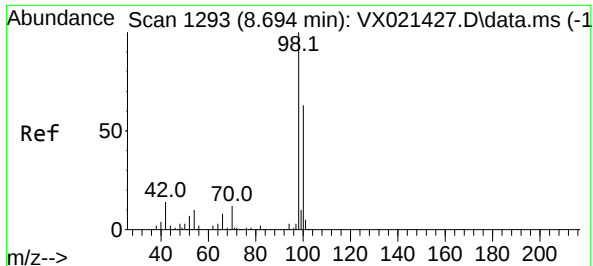
Ion Ratio Lower Upper

88 100

43 35.3 23.2 34.8#

58 84.3 55.0 82.4#





#50

Toluene-d8

Concen: 50.80 ug/l

RT: 8.694 min Scan# 1293

Delta R.T. -0.000 min

Lab File: VX021469.D

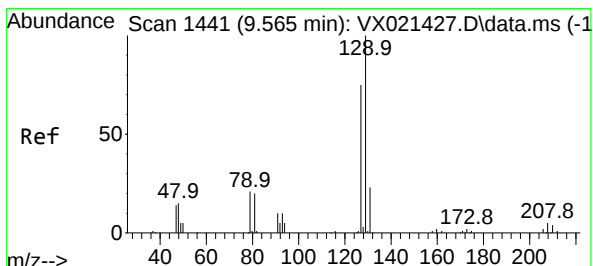
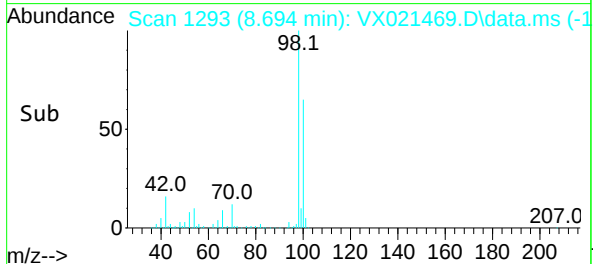
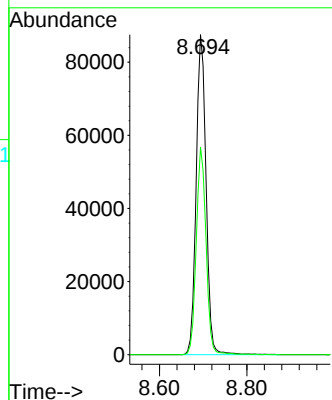
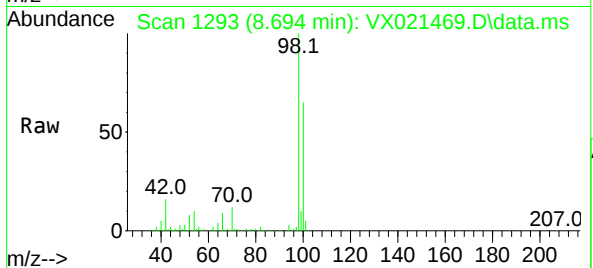
Acq: 25 Mar 2021 05:19

Tgt Ion: 98 Resp: 138002

Ion Ratio Lower Upper

98 100

100 64.1 51.9 77.9



#60

Dibromochloromethane

Concen: 6.43 ug/l

RT: 9.317 min Scan# 1399

Delta R.T. -0.248 min

Lab File: VX021469.D

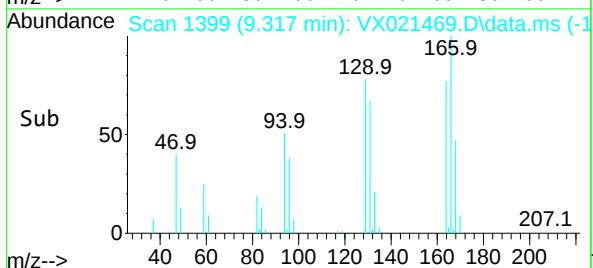
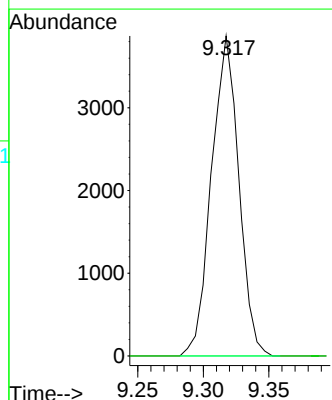
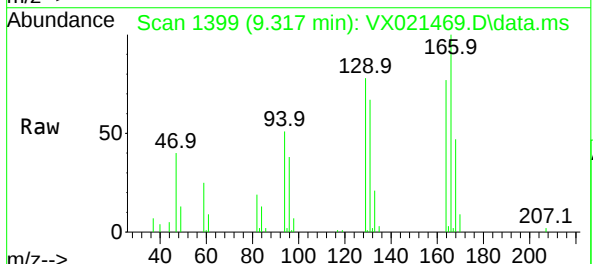
Acq: 25 Mar 2021 05:19

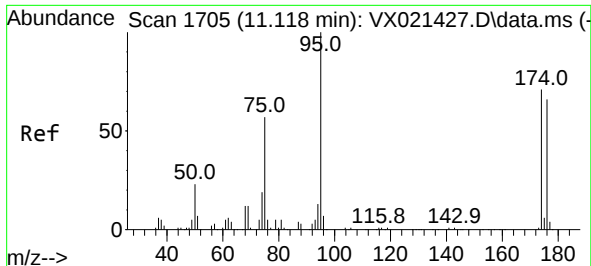
Tgt Ion: 129 Resp: 5605

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#

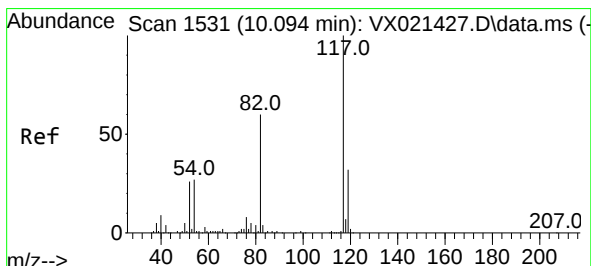
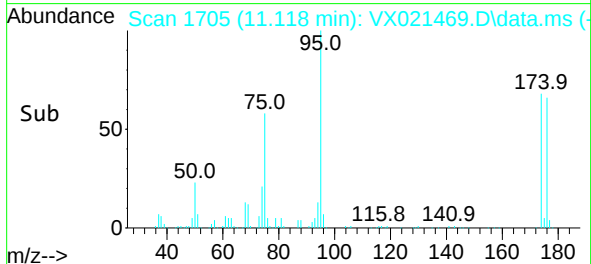
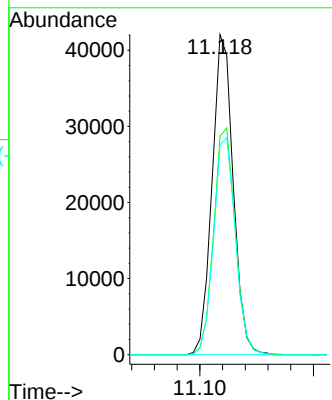
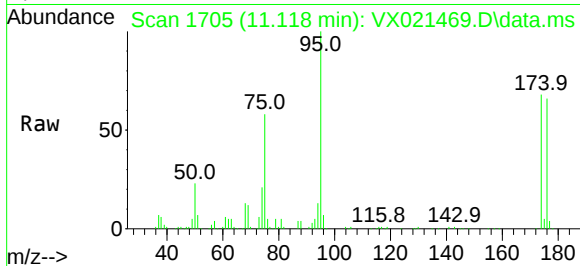




#62
4-Bromofluorobenzene
Concen: 51.32 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021469.D
Acq: 25 Mar 2021 05:19

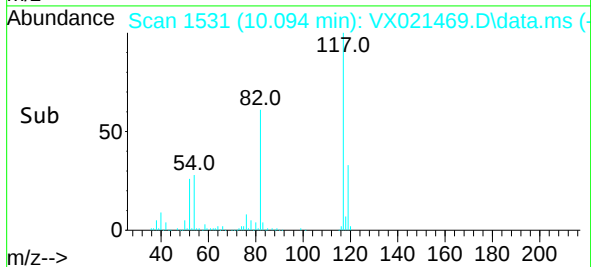
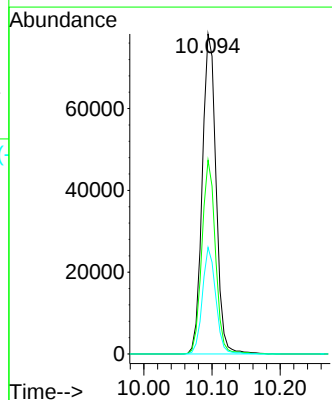
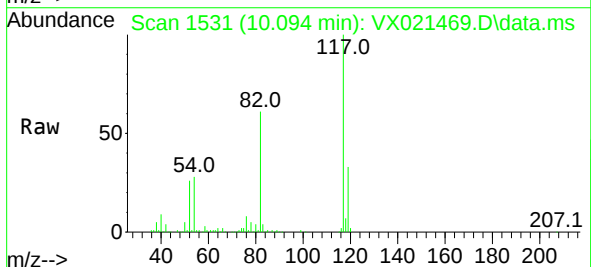
Instrument :
MSVOA_X
ClientSampled :

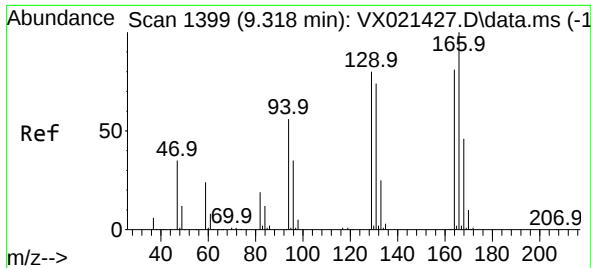
Tgt Ion: 95 Resp: 54203
Ion Ratio Lower Upper
95 100
174 72.8 0.0 154.6
176 70.1 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021469.D
Acq: 25 Mar 2021 05:19

Tgt Ion: 117 Resp: 110176
Ion Ratio Lower Upper
117 100
82 60.5 47.4 71.2
119 33.3 26.6 39.8



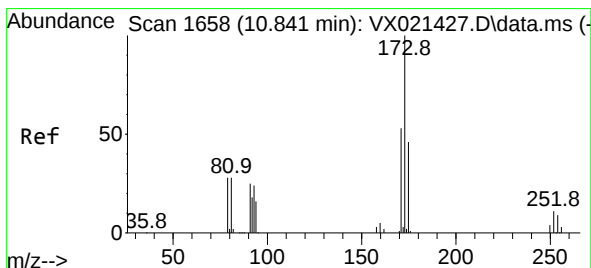
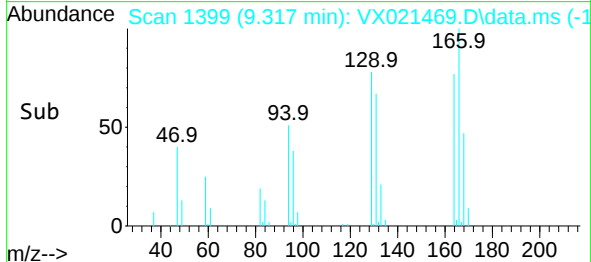
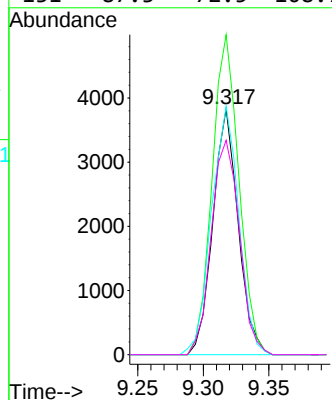
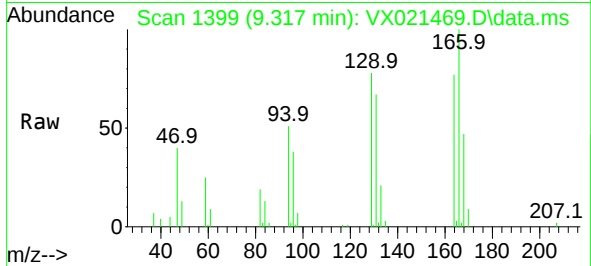


#64
Tetrachloroethene
Concen: 6.95 ug/l
RT: 9.317 min Scan# 1399
Delta R.T. -0.001 min
Lab File: VX021469.D
Acq: 25 Mar 2021 05:19

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:164 Resp: 5132

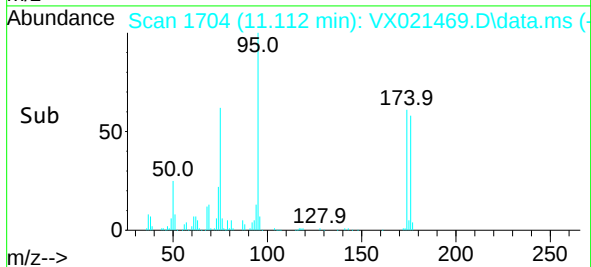
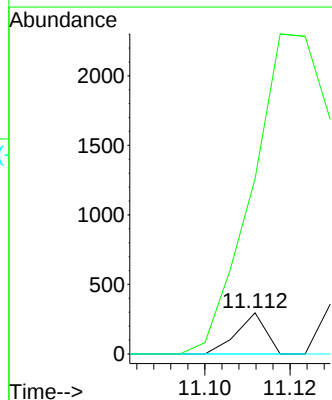
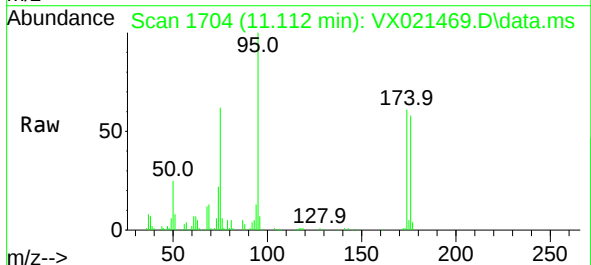
Ion	Ratio	Lower	Upper
164	100		
166	130.2	103.4	155.2
129	101.0	70.8	106.2
131	87.3	72.5	108.7

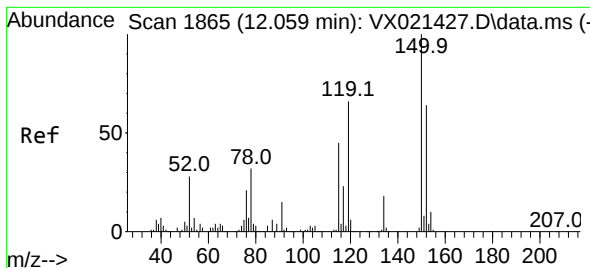


#71
Bromoform
Concen: 0.20 ug/l
RT: 11.112 min Scan# 1704
Delta R.T. 0.271 min
Lab File: VX021469.D
Acq: 25 Mar 2021 05:19

Tgt Ion:173 Resp: 140

Ion	Ratio	Lower	Upper
173	100		
175	0.0	23.9	71.8#
254	0.0	0.1	0.1#

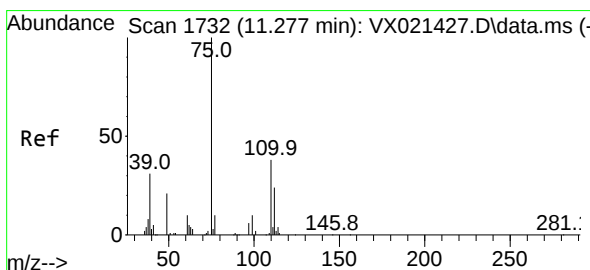
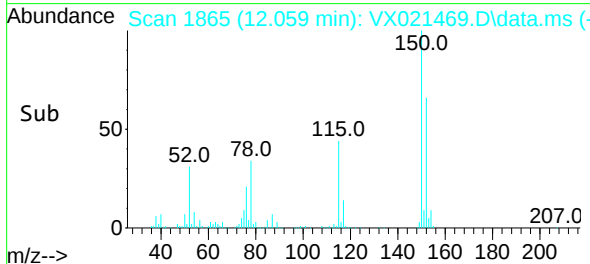
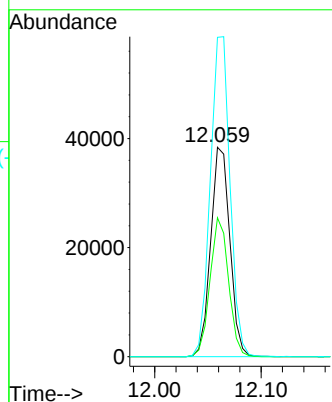
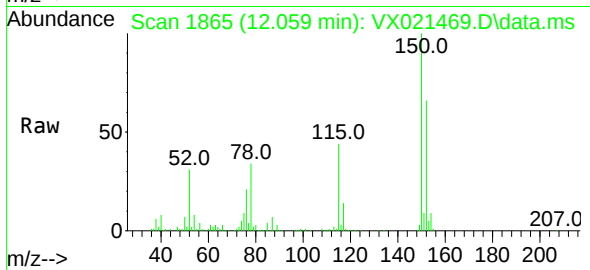




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.059 min Scan# 1865
 Delta R.T. -0.000 min
 Lab File: VX021469.D
 Acq: 25 Mar 2021 05:19

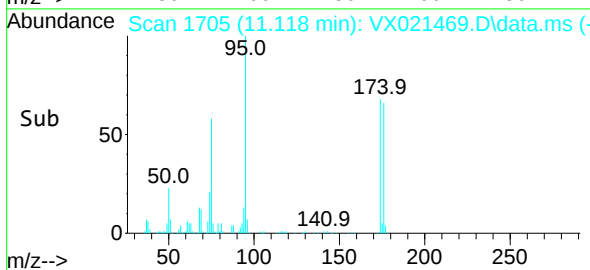
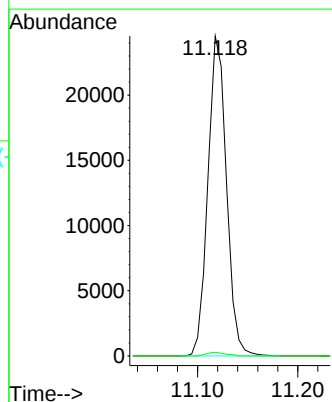
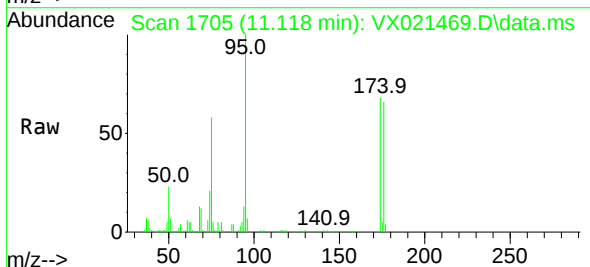
Instrument :
 MSVOA_X
 ClientSampleId :

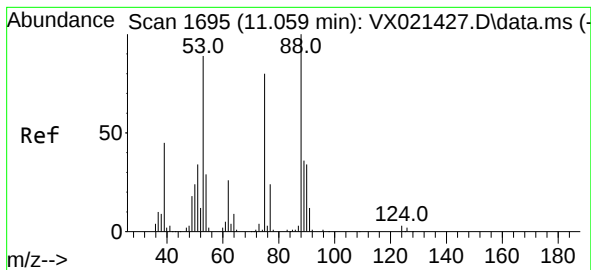
Tgt Ion:152 Resp: 47992
 Ion Ratio Lower Upper
 152 100
 115 64.0 41.1 123.3
 150 157.0 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 28.22 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. -0.159 min
 Lab File: VX021469.D
 Acq: 25 Mar 2021 05:19

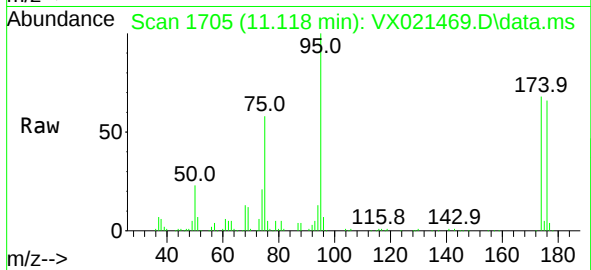
Tgt Ion: 75 Resp: 31534
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.97 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. 0.059 min
 Lab File: VX021469.D
 Acq: 25 Mar 2021 05:19

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 31534
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

