

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032521\
 Data File : VX021513.D
 Acq On : 26 Mar 2021 02:28
 Operator : JC/MD
 Sample : M1770-24
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 26 06:34:32 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)

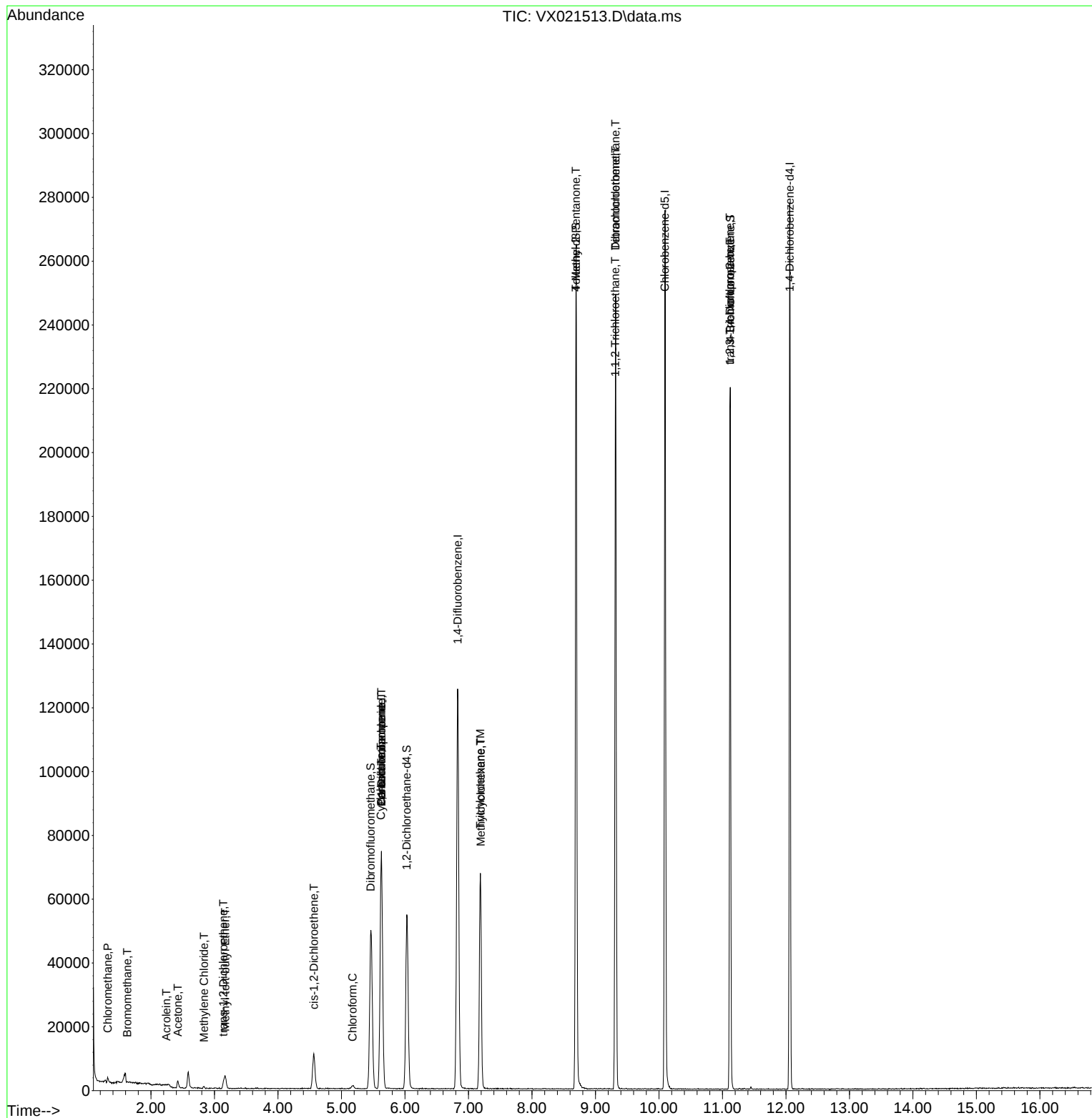
Internal Standards						
1) Pentafluorobenzene	5.629	168	63215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	116828	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	116634	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	50214	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	54264	51.59	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.18%	
35) Dibromofluoromethane	5.458	113	41674	50.22	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.44%	
50) Toluene-d8	8.694	98	146031	49.38	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 98.76%	
62) 4-Bromofluorobenzene	11.123	95	57939	50.39	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.78%	
Target Compounds						
						Qvalue
3) Chloromethane	1.316	50	1907	2.43	ug/l	97
5) Bromomethane	1.628	94	160	0.56	ug/l #	63
13) Acrolein	2.240	56	20	4.52	ug/l #	1
16) Acetone	2.422	43	2387	6.00	ug/l #	76
19) Methyl tert-butyl Ether	3.169	73	3745	1.57	ug/l	97
20) Methylene Chloride	2.834	84	256	0.33	ug/l #	90
21) trans-1,2-Dichloroethene	3.140	96	575	0.82	ug/l #	62
27) cis-1,2-Dichloroethene	4.564	96	6382	7.85	ug/l	97
30) Chloroform	5.176	83	1094	0.77	ug/l #	82
31) Cyclohexane	5.623	56	1812	1.57	ug/l #	37
36) 1,1-Dichloropropene	5.629	75	5835	5.10	ug/l #	49
38) Carbon Tetrachloride	5.629	117	7034	5.72	ug/l #	18
39) Methylcyclohexane	7.194	83	399	0.31	ug/l #	1
44) Trichloroethene	7.188	130	23550	27.45	ug/l	89
51) 4-Methyl-2-Pentanone	8.694	43	800	0.61	ug/l #	1
55) 1,1,2-Trichloroethane	9.311	97	442	0.52	ug/l #	6
60) Dibromochloromethane	9.317	129	41732	43.97	ug/l #	11
64) Tetrachloroethene	9.317	164	42318	54.16	ug/l	92
76) 1,2,3-Trichloropropane	11.118	75	33428	28.60	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	33428	87.10	ug/l #	12

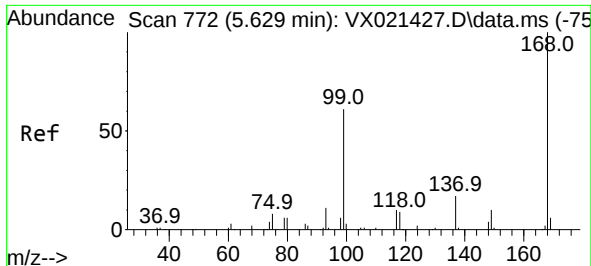
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 24 12:25:26 2021
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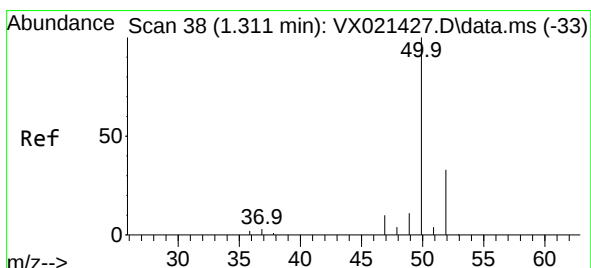
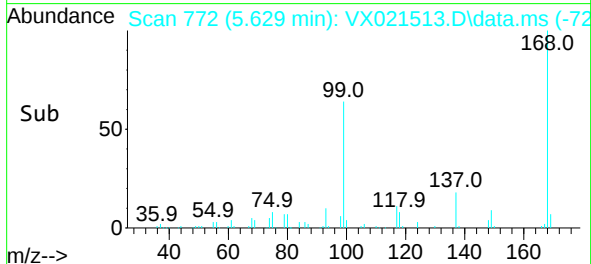
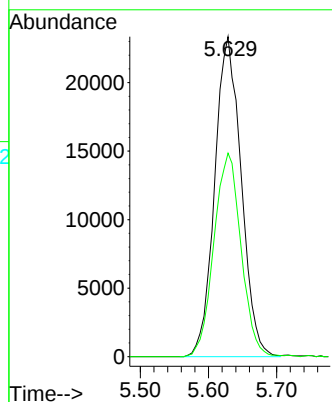
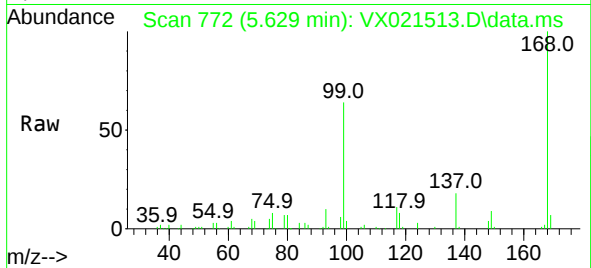




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.000 min
Lab File: VX021513.D
Acq: 26 Mar 2021 02:28

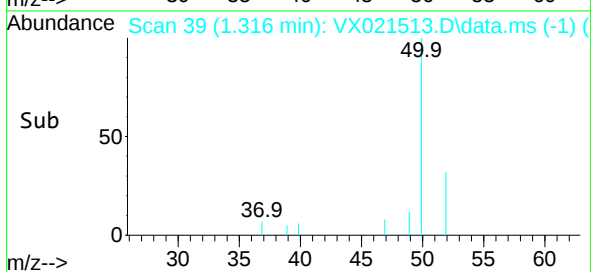
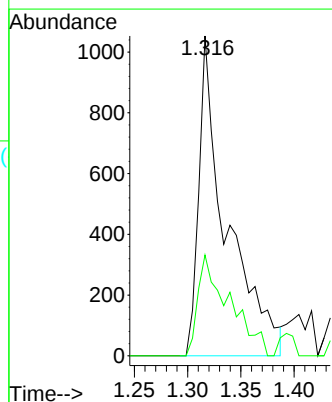
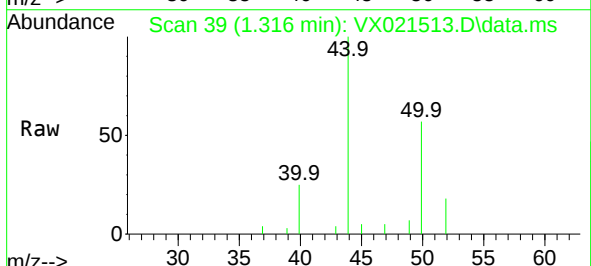
Instrument :
MSVOA_X
ClientSampleId :

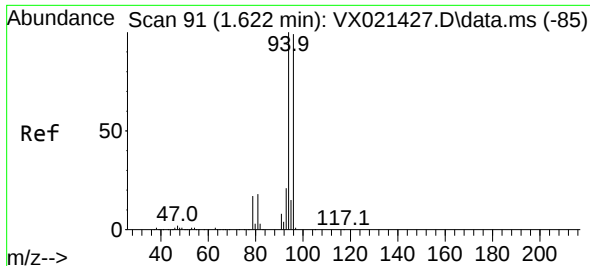
Tgt Ion:168 Resp: 63215
Ion Ratio Lower Upper
168 100
99 63.6 45.8 68.6



#3
Chloromethane
Concen: 2.43 ug/l
RT: 1.316 min Scan# 39
Delta R.T. 0.005 min
Lab File: VX021513.D
Acq: 26 Mar 2021 02:28

Tgt Ion: 50 Resp: 1907
Ion Ratio Lower Upper
50 100
52 31.5 26.4 39.6

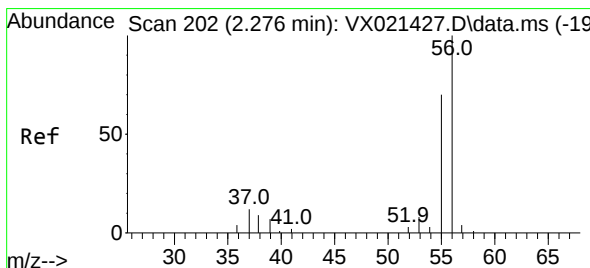
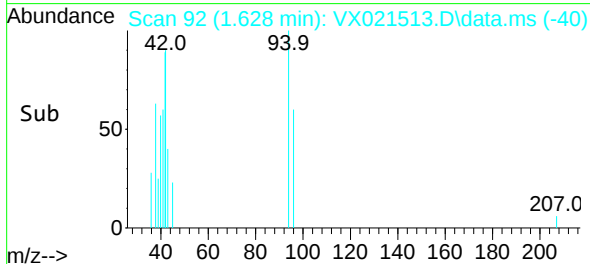
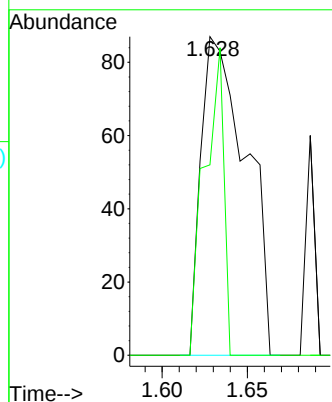
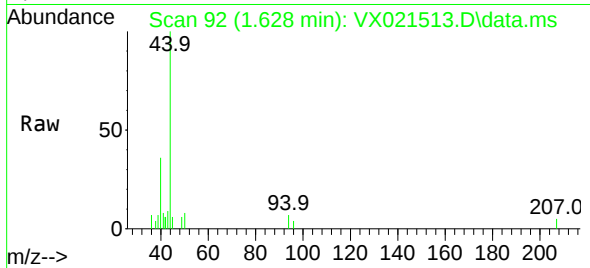




#5
Bromomethane
Concen: 0.56 ug/l
RT: 1.628 min Scan# 92
Delta R.T. 0.006 min
Lab File: VX021513.D
Acq: 26 Mar 2021 02:28

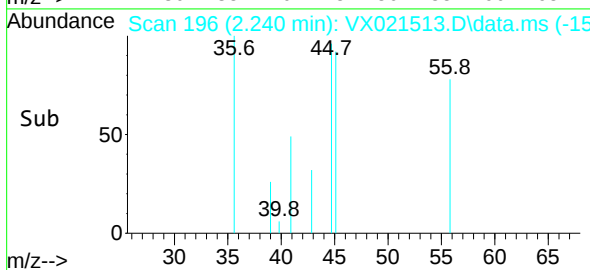
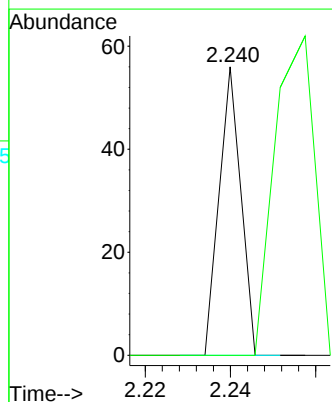
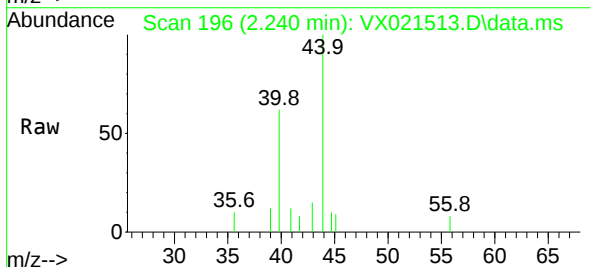
Instrument :
MSVOA_X
ClientSampled :

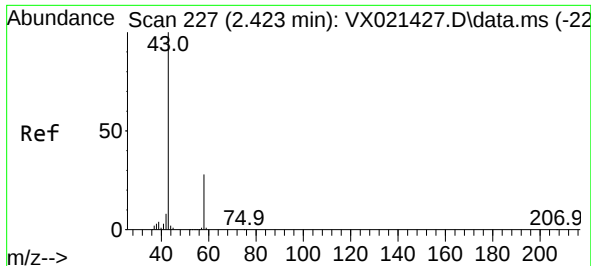
Tgt Ion: 94 Resp: 160
Ion Ratio Lower Upper
94 100
96 59.8 76.4 114.6#



#13
Acrolein
Concen: 4.52 ug/l
RT: 2.240 min Scan# 196
Delta R.T. -0.036 min
Lab File: VX021513.D
Acq: 26 Mar 2021 02:28

Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 200.0 56.4 84.6#

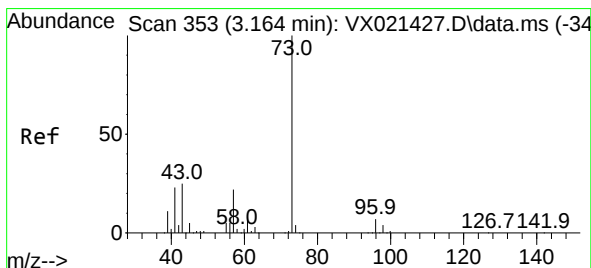
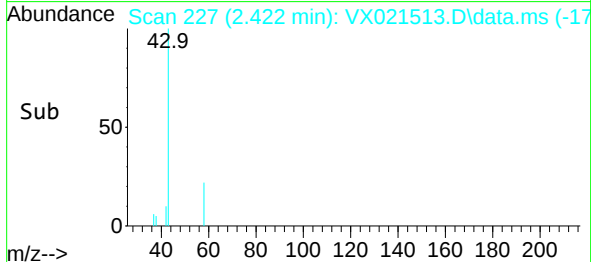
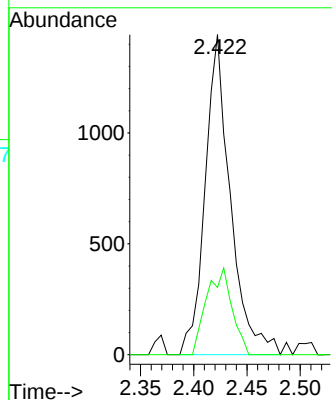
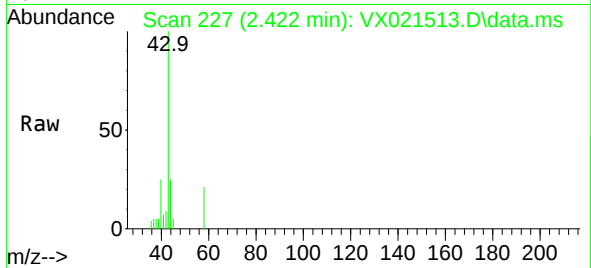




#16
Acetone
Concen: 6.00 ug/l
RT: 2.422 min Scan# 227
Delta R.T. -0.001 min
Lab File: VX021513.D
Acq: 26 Mar 2021 02:28

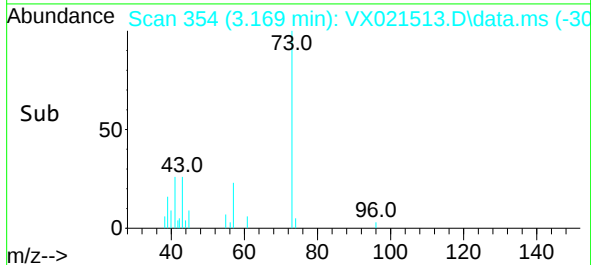
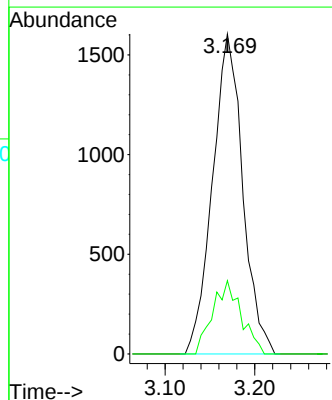
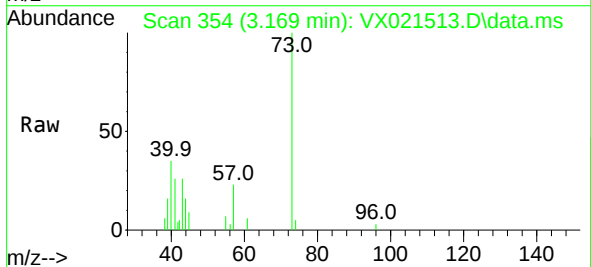
Instrument :
MSVOA_X
ClientSampled :

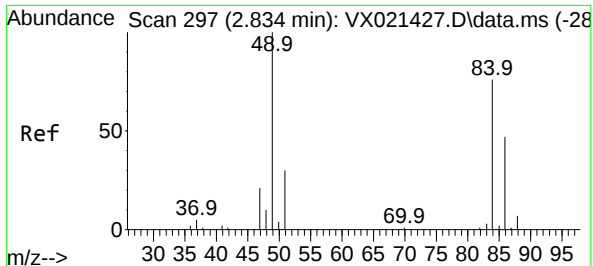
Tgt Ion: 43 Resp: 2387
Ion Ratio Lower Upper
43 100
58 21.0 27.8 41.8#



#19
Methyl tert-butyl Ether
Concen: 1.57 ug/l
RT: 3.169 min Scan# 354
Delta R.T. 0.005 min
Lab File: VX021513.D
Acq: 26 Mar 2021 02:28

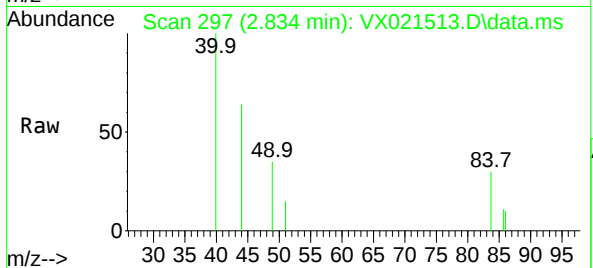
Tgt Ion: 73 Resp: 3745
Ion Ratio Lower Upper
73 100
57 22.9 17.1 25.7





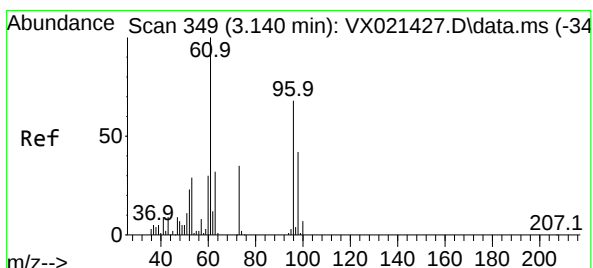
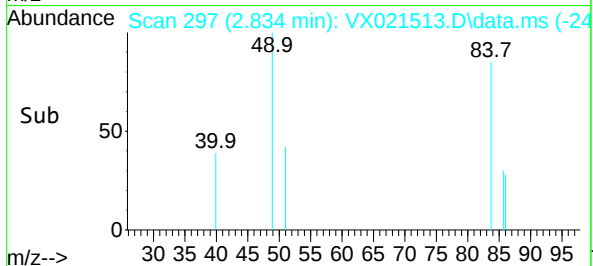
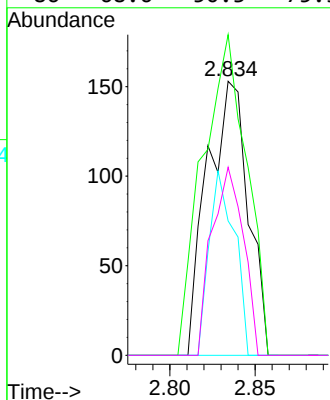
#20
Methylene Chloride
Concen: 0.33 ug/l
RT: 2.834 min Scan# 297
Delta R.T. 0.000 min
Lab File: VX021513.D
Acq: 26 Mar 2021 02:28

Instrument :
MSVOA_X
ClientSampleId :

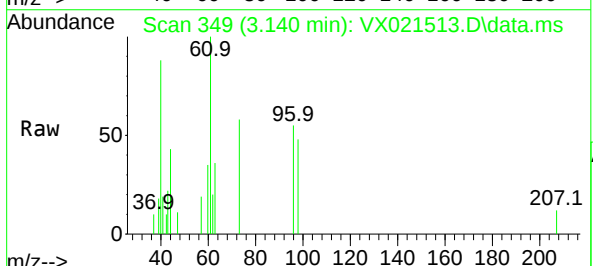


Tgt Ion: 84 Resp: 256

Ion	Ratio	Lower	Upper
84	100		
49	117.0	88.6	132.8
51	49.0	27.0	40.6#
86	68.6	50.3	75.5

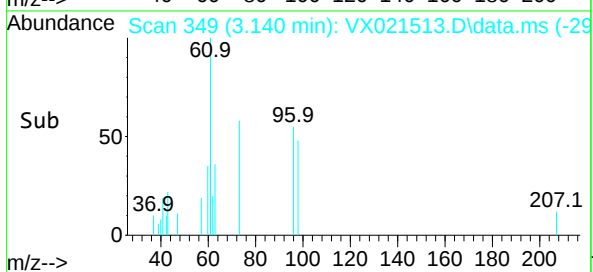
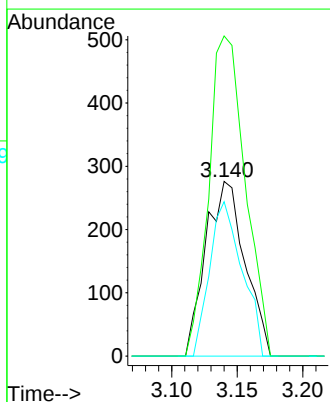


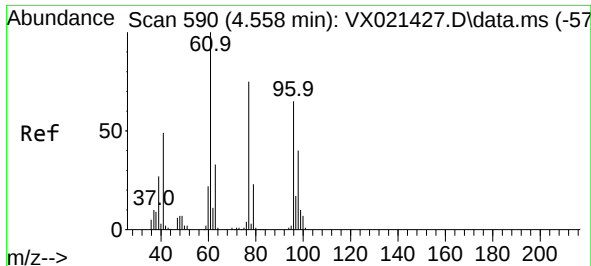
#21
trans-1,2-Dichloroethene
Concen: 0.82 ug/l
RT: 3.140 min Scan# 349
Delta R.T. 0.000 min
Lab File: VX021513.D
Acq: 26 Mar 2021 02:28



Tgt Ion: 96 Resp: 575

Ion	Ratio	Lower	Upper
96	100		
61	183.3	107.7	161.5#
98	88.4	50.4	75.6#





#27

cis-1,2-Dichloroethene

Concen: 7.85 ug/l

RT: 4.564 min Scan# 591

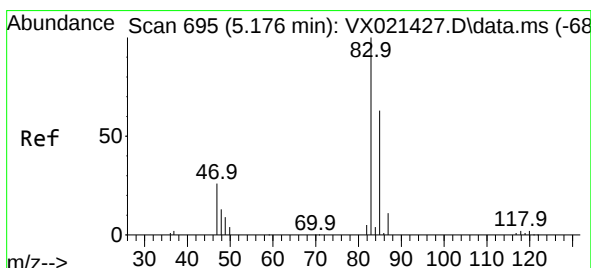
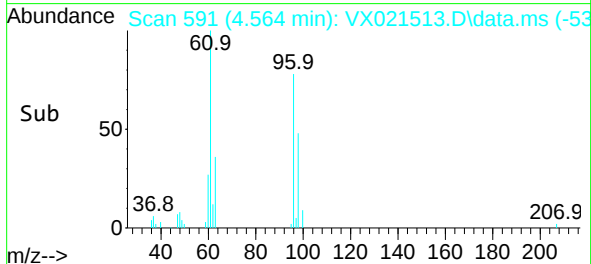
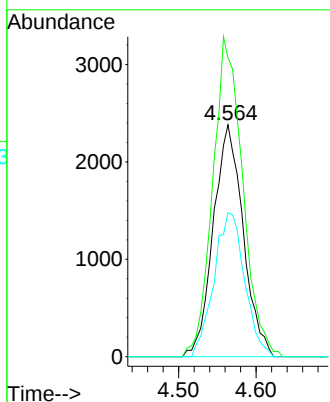
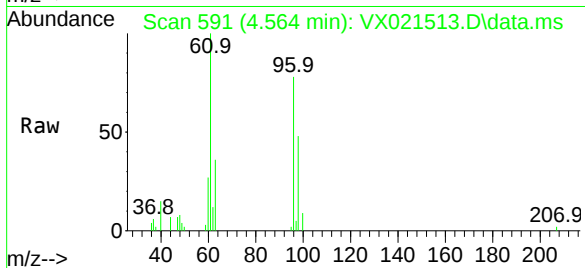
Delta R.T. 0.006 min

Lab File: VX021513.D

Acq: 26 Mar 2021 02:28

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:	96	Resp:	6382
Ion	Ratio	Lower	Upper
96	100		
61	138.0	0.0	285.6
98	63.7	0.0	129.6



#30

Chloroform

Concen: 0.77 ug/l

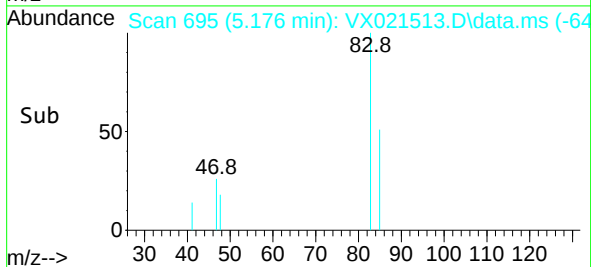
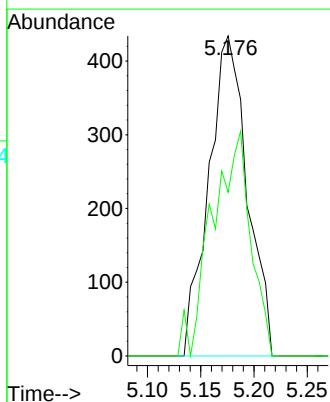
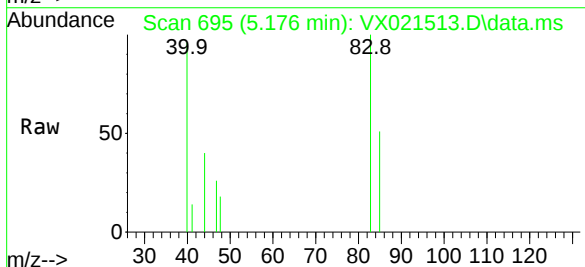
RT: 5.176 min Scan# 695

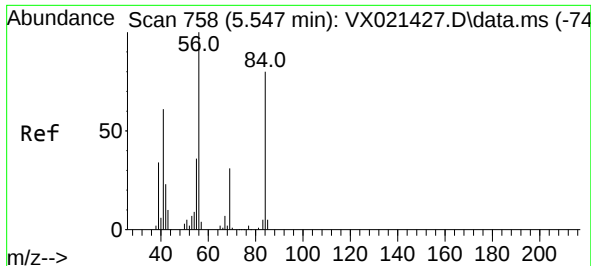
Delta R.T. -0.000 min

Lab File: VX021513.D

Acq: 26 Mar 2021 02:28

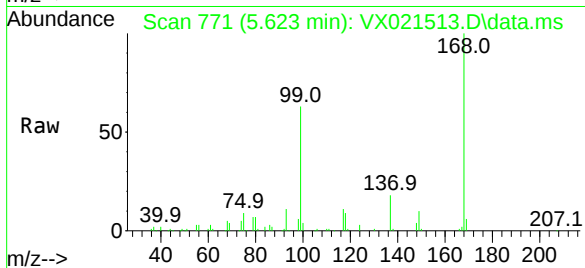
Tgt Ion:	83	Resp:	1094
Ion	Ratio	Lower	Upper
83	100		
85	51.2	52.0	78.0#



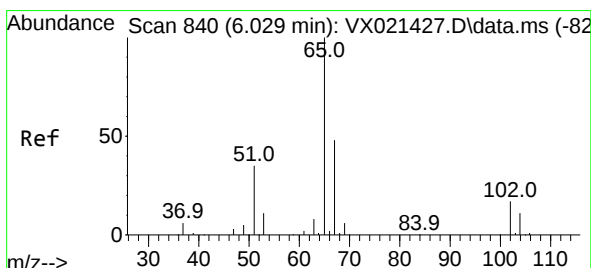
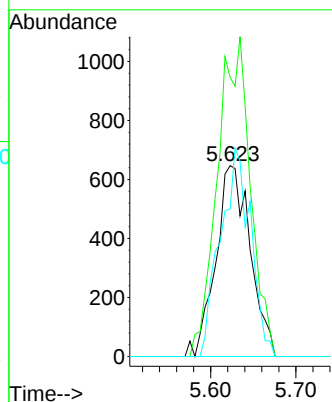
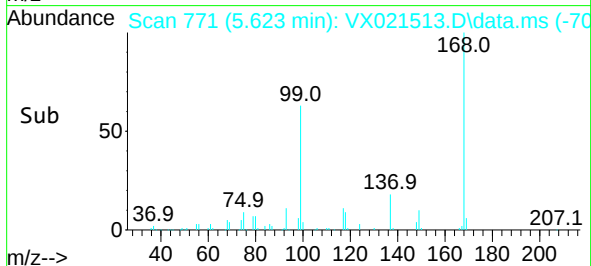


#31
Cyclohexane
Concen: 1.57 ug/l
RT: 5.623 min Scan# 771
Delta R.T. 0.076 min
Lab File: VX021513.D
Acq: 26 Mar 2021 02:28

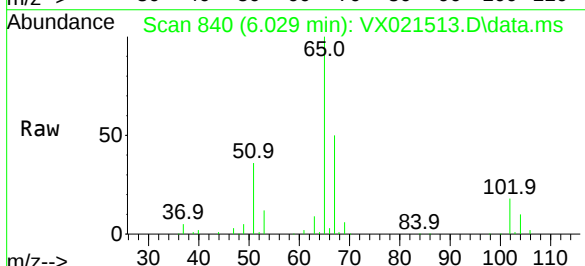
Instrument :
MSVOA_X
ClientSampleId :



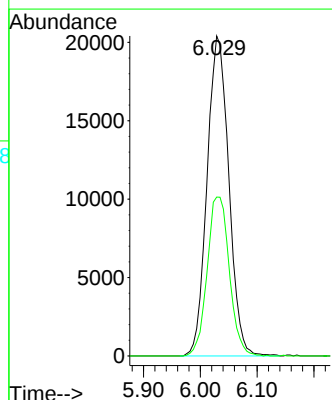
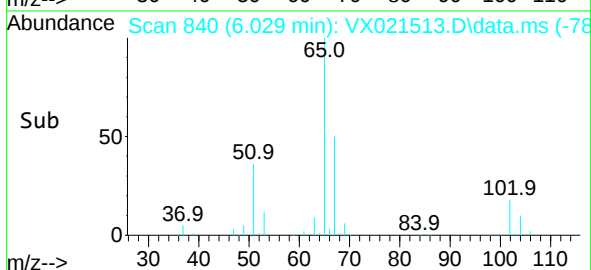
Tgt Ion: 56 Resp: 1812
Ion Ratio Lower Upper
56 100
69 146.2 25.3 37.9#
84 77.3 71.4 107.0

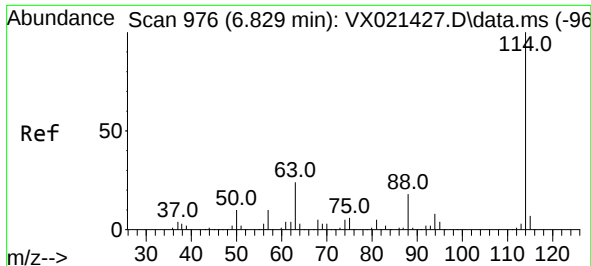


#33
1,2-Dichloroethane-d4
Concen: 51.59 ug/l
RT: 6.029 min Scan# 840
Delta R.T. -0.000 min
Lab File: VX021513.D
Acq: 26 Mar 2021 02:28



Tgt Ion: 65 Resp: 54264
Ion Ratio Lower Upper
65 100
67 50.6 0.0 105.4

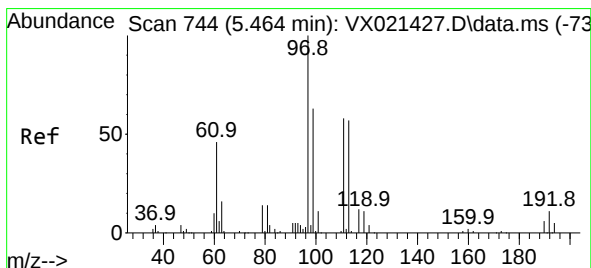
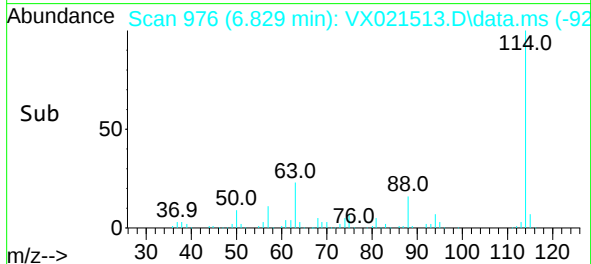
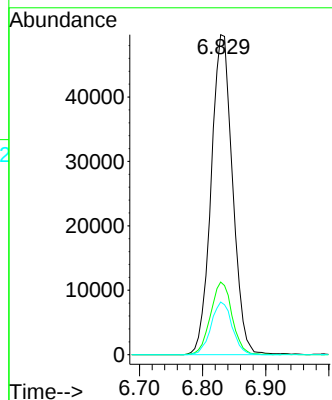
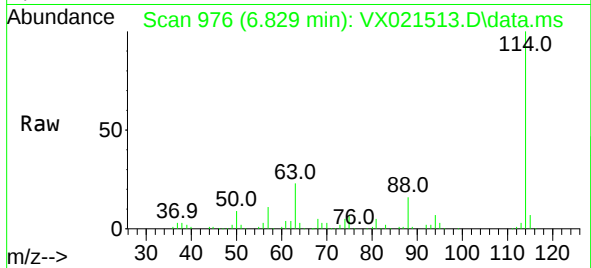




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. -0.000 min
Lab File: VX021513.D
Acq: 26 Mar 2021 02:28

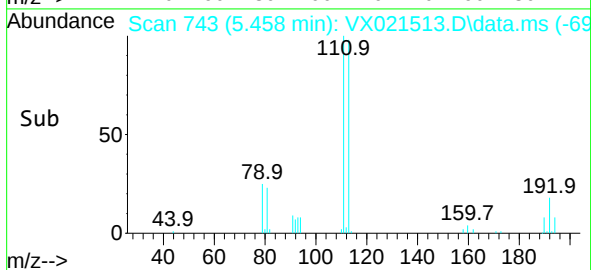
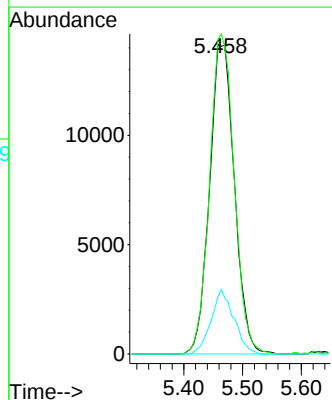
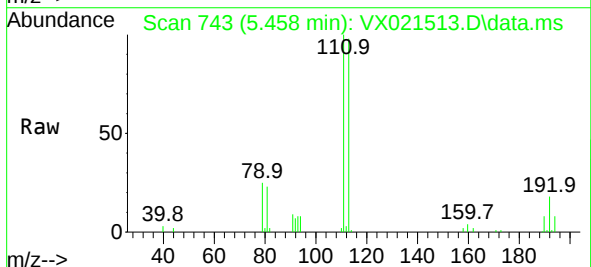
Instrument :
MSVOA_X
ClientSampled :

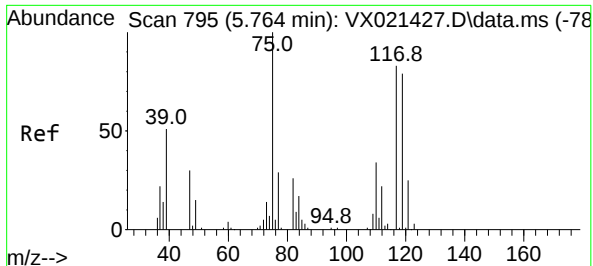
Tgt Ion:114 Resp: 116828
Ion Ratio Lower Upper
114 100
63 22.7 0.0 40.8
88 16.4 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.22 ug/l
RT: 5.458 min Scan# 743
Delta R.T. -0.006 min
Lab File: VX021513.D
Acq: 26 Mar 2021 02:28

Tgt Ion:113 Resp: 41674
Ion Ratio Lower Upper
113 100
111 102.0 81.9 122.9
192 19.0 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.10 ug/l

RT: 5.629 min Scan# 772

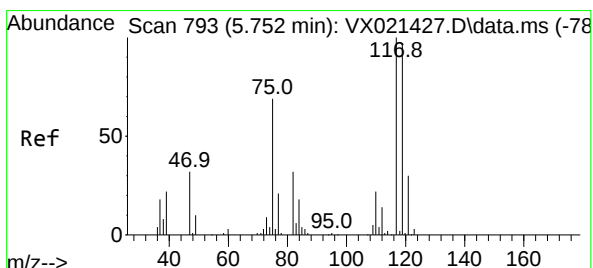
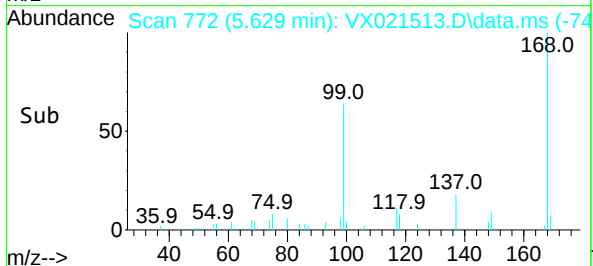
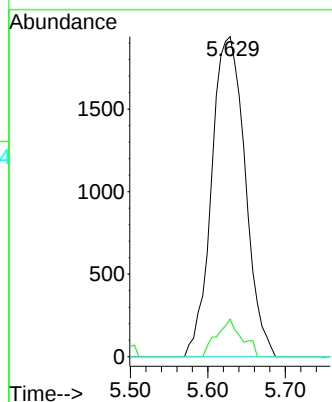
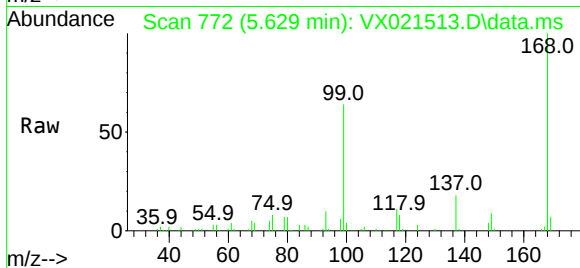
Delta R.T. -0.135 min

Lab File: VX021513.D

Acq: 26 Mar 2021 02:28

Tgt Ion:	75	Resp:	5835
Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.1	54.4#
77	0.0	25.3	37.9#

Instrument :
MSVOA_X
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 5.72 ug/l

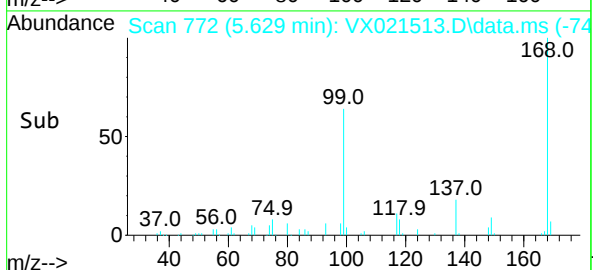
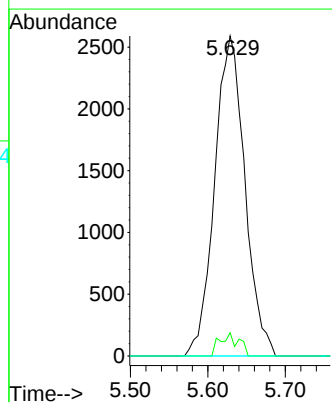
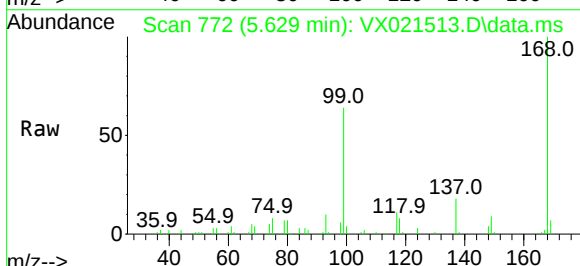
RT: 5.629 min Scan# 772

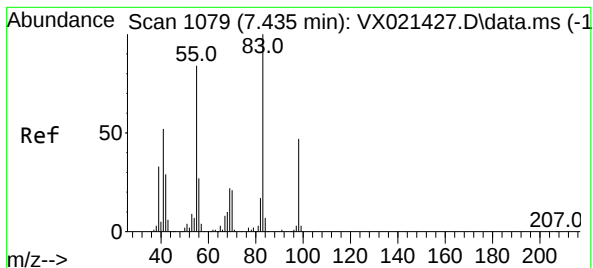
Delta R.T. -0.123 min

Lab File: VX021513.D

Acq: 26 Mar 2021 02:28

Tgt Ion:	117	Resp:	7034
Ion	Ratio	Lower	Upper
117	100		
119	7.3	76.2	114.2#
121	0.0	24.8	37.2#





#39

Methylcyclohexane

Concen: 0.31 ug/l

RT: 7.194 min Scan# 1038

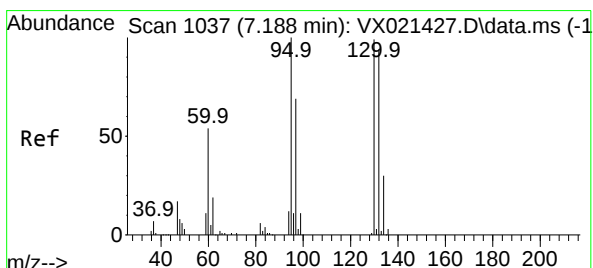
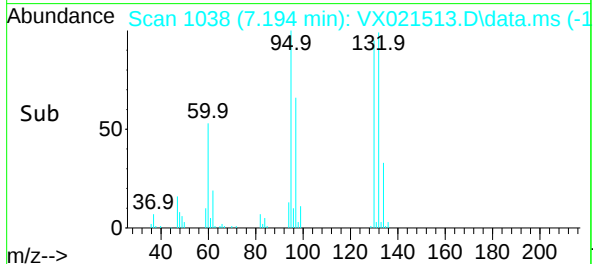
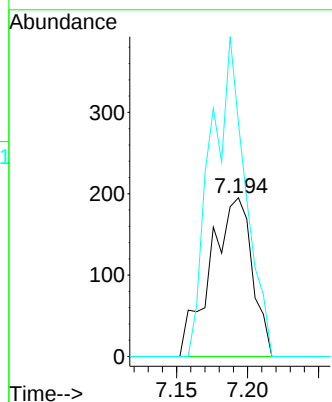
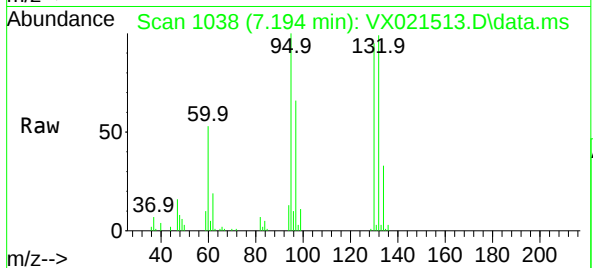
Delta R.T. -0.241 min

Lab File: VX021513.D

Acq: 26 Mar 2021 02:28

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 83	Resp:	399
Ion Ratio	Lower	Upper
83	100	
55	0.0	58.9
98	147.2	38.1



#44

Trichloroethene

Concen: 27.45 ug/l

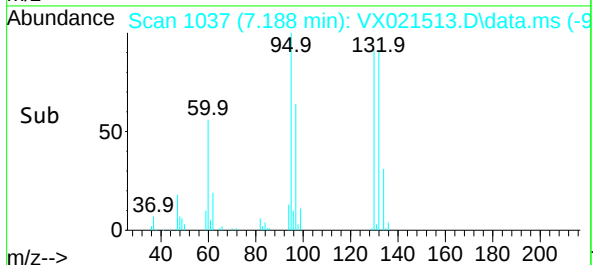
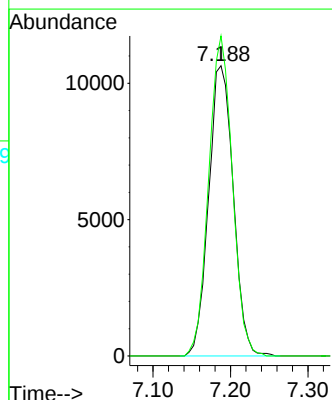
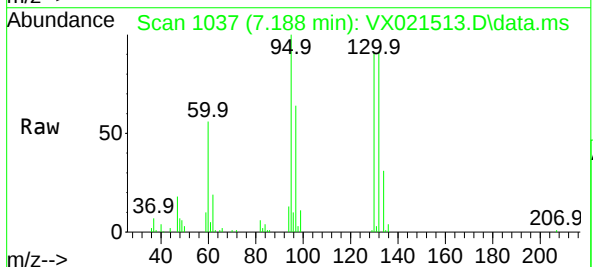
RT: 7.188 min Scan# 1037

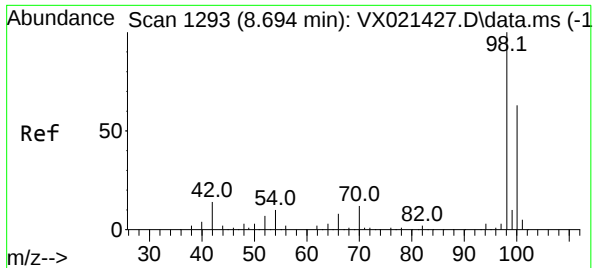
Delta R.T. -0.000 min

Lab File: VX021513.D

Acq: 26 Mar 2021 02:28

Tgt Ion: 130	Resp:	23550
Ion Ratio	Lower	Upper
130	100	
95	110.2	0.0

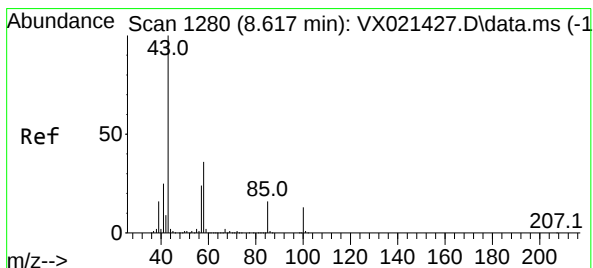
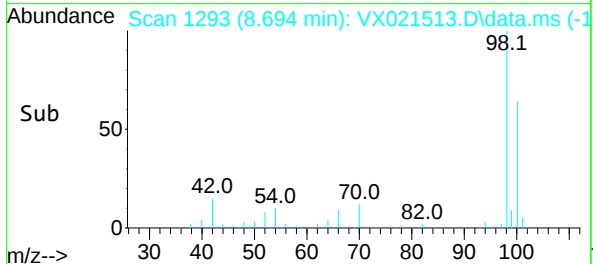
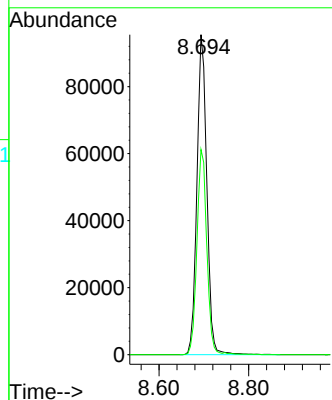
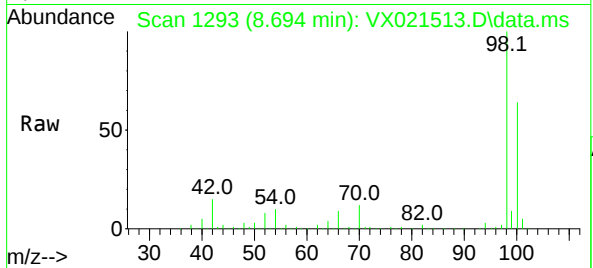




#50
Toluene-d8
Concen: 49.38 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021513.D
Acq: 26 Mar 2021 02:28

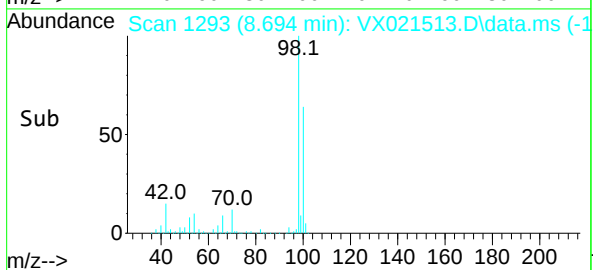
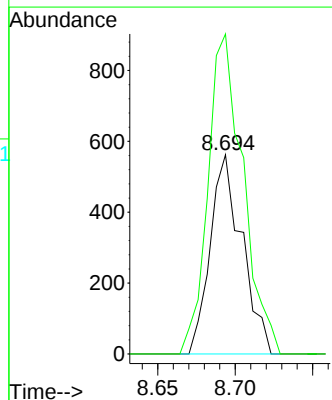
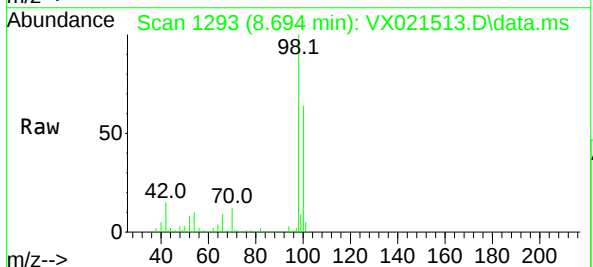
Instrument :
MSVOA_X
ClientSampled :

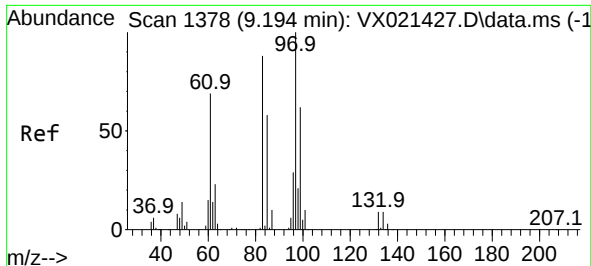
Tgt Ion: 98 Resp: 146031
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.61 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.077 min
Lab File: VX021513.D
Acq: 26 Mar 2021 02:28

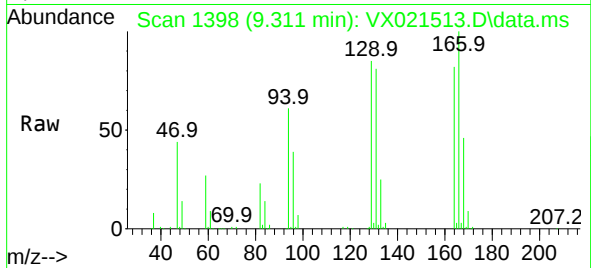
Tgt Ion: 43 Resp: 800
Ion Ratio Lower Upper
43 100
58 177.4 35.4 53.0#



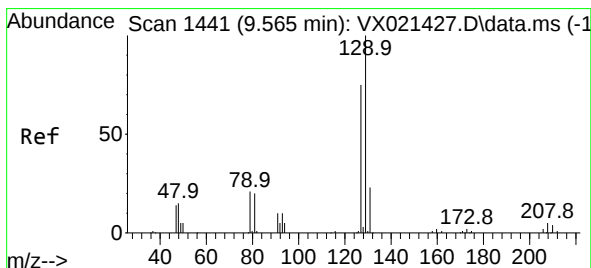
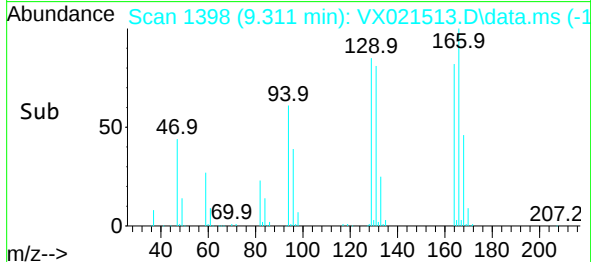
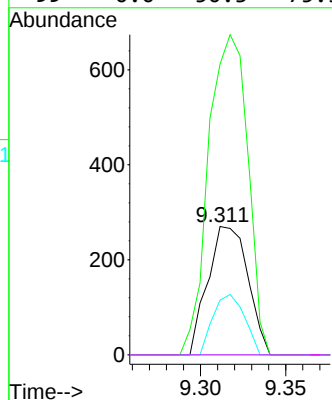


#55
1,1,2-Trichloroethane
Concen: 0.52 ug/l
RT: 9.311 min Scan# 1398
Delta R.T. 0.117 min
Lab File: VX021513.D
Acq: 26 Mar 2021 02:28

Instrument :
MSVOA_X
ClientSampleId :

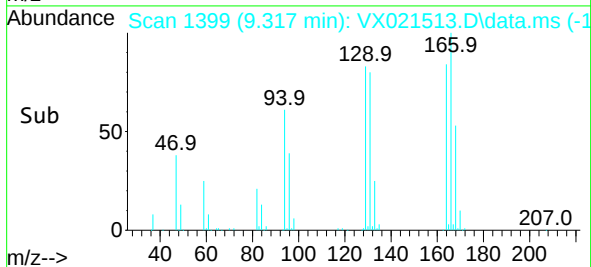
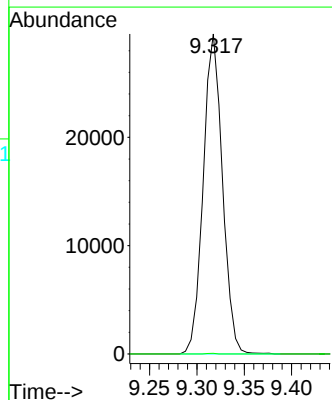
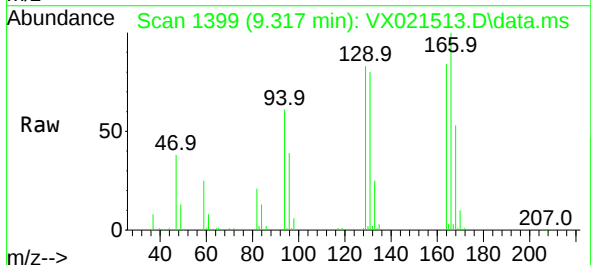


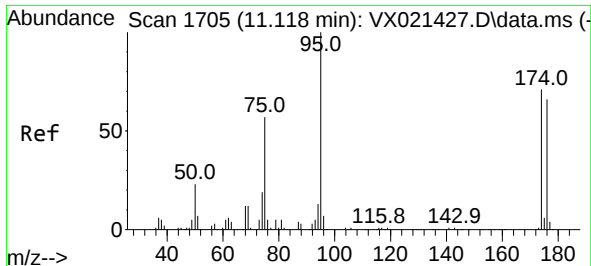
Tgt Ion	Ratio	Lower	Upper
97	100		
83	226.7	69.3	103.9#
85	42.6	44.3	66.5#
99	0.0	50.3	75.5#



#60
Dibromochloromethane
Concen: 43.97 ug/l
RT: 9.317 min Scan# 1399
Delta R.T. -0.248 min
Lab File: VX021513.D
Acq: 26 Mar 2021 02:28

Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.1	38.4	115.2#

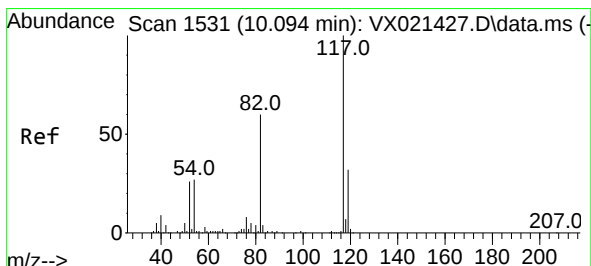
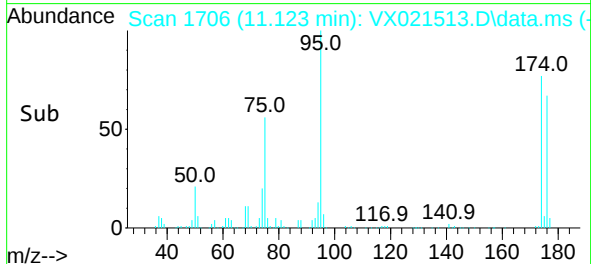
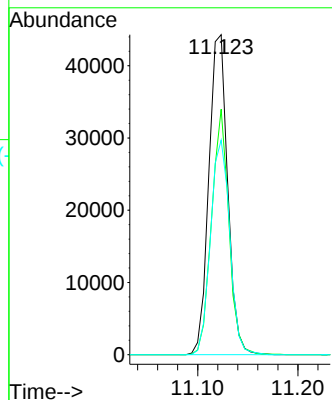
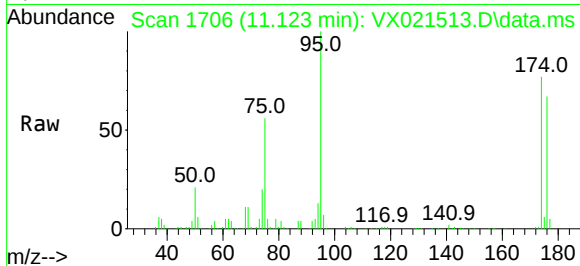




#62
4-Bromofluorobenzene
Concen: 50.39 ug/l
RT: 11.123 min Scan# 1706
Delta R.T. 0.005 min
Lab File: VX021513.D
Acq: 26 Mar 2021 02:28

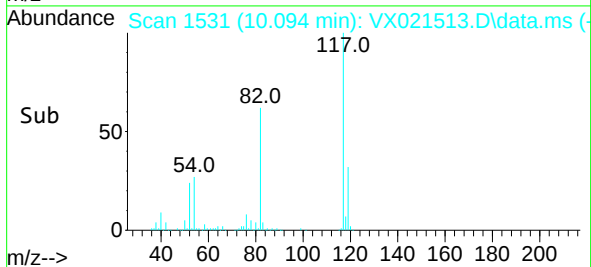
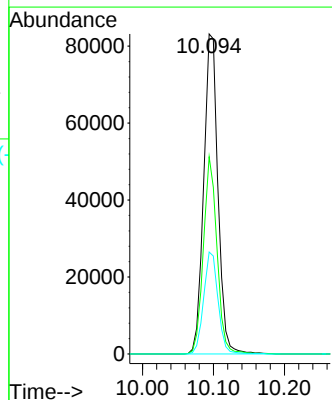
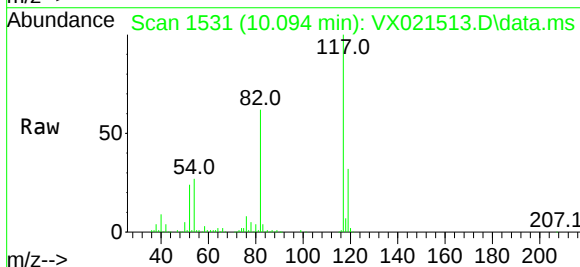
Instrument :
MSVOA_X
ClientSampleId :

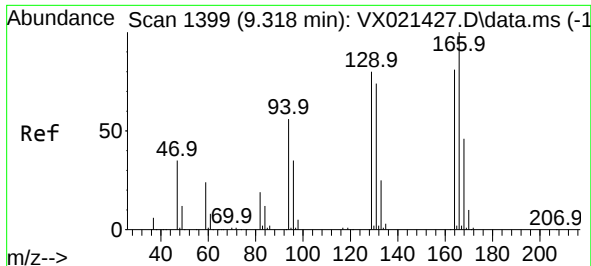
Tgt Ion: 95 Resp: 57939
Ion Ratio Lower Upper
95 100
174 70.5 0.0 154.6
176 68.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VX021513.D
Acq: 26 Mar 2021 02:28

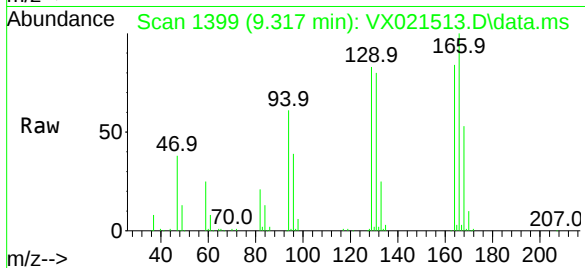
Tgt Ion: 117 Resp: 116634
Ion Ratio Lower Upper
117 100
82 61.6 47.4 71.2
119 31.8 26.6 39.8



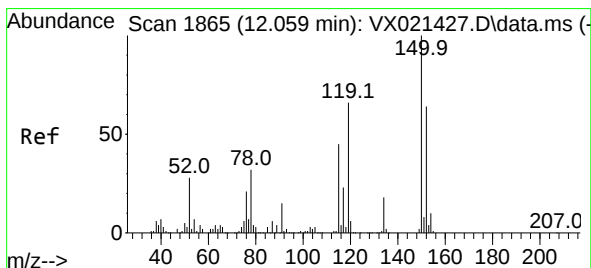
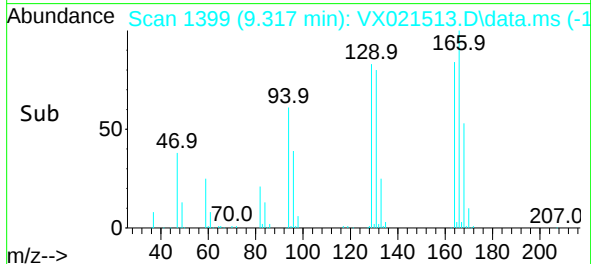
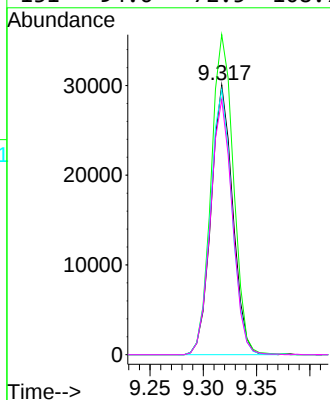


#64
Tetrachloroethene
Concen: 54.16 ug/l
RT: 9.317 min Scan# 1399
Delta R.T. -0.001 min
Lab File: VX021513.D
Acq: 26 Mar 2021 02:28

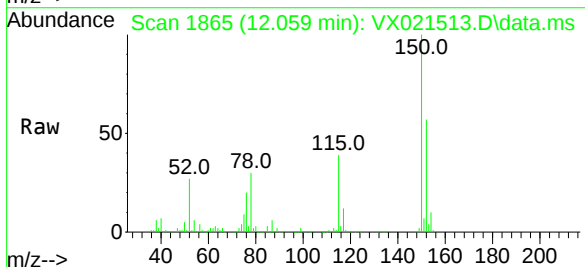
Instrument :
MSVOA_X
ClientSampleId :



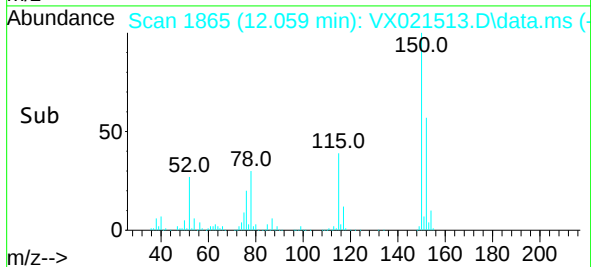
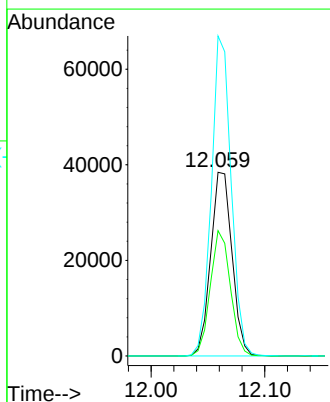
Tgt Ion:	164	Resp:	42318
Ion	Ratio	Lower	Upper
164	100		
166	118.6	103.4	155.2
129	98.2	70.8	106.2
131	94.6	72.5	108.7

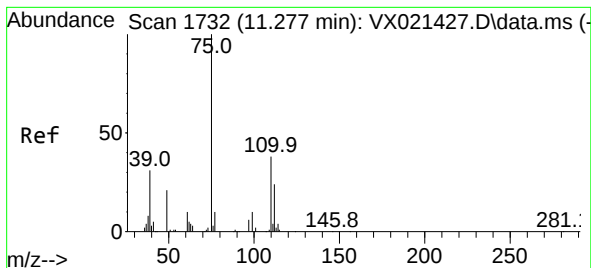


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. -0.000 min
Lab File: VX021513.D
Acq: 26 Mar 2021 02:28



Tgt Ion:	152	Resp:	50214
Ion	Ratio	Lower	Upper
152	100		
115	64.1	41.1	123.3
150	161.6	0.0	349.0

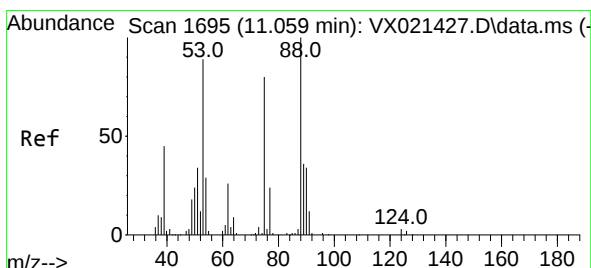
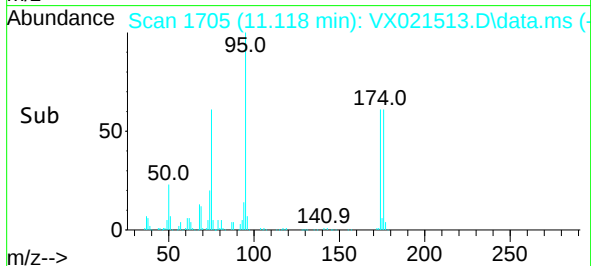
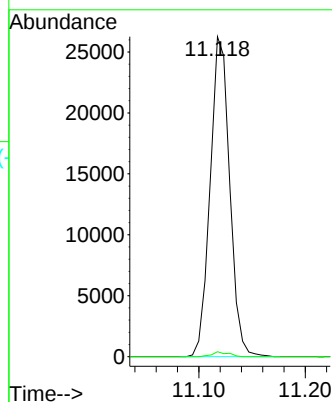
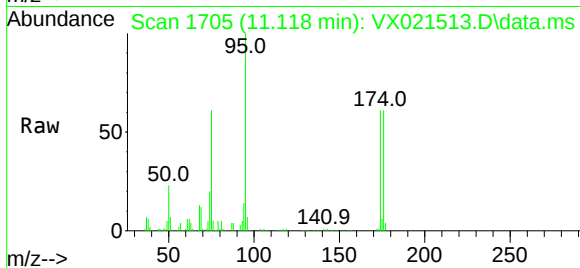




#76
1,2,3-Trichloropropane
Concen: 28.60 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021513.D
Acq: 26 Mar 2021 02:28

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 33428
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.10 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021513.D
Acq: 26 Mar 2021 02:28

Tgt Ion: 75 Resp: 33428
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

