

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032521\
 Data File : VX021494.D
 Acq On : 25 Mar 2021 18:15
 Operator : JC/MD
 Sample : M1787-09DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 26 03:17:11 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)

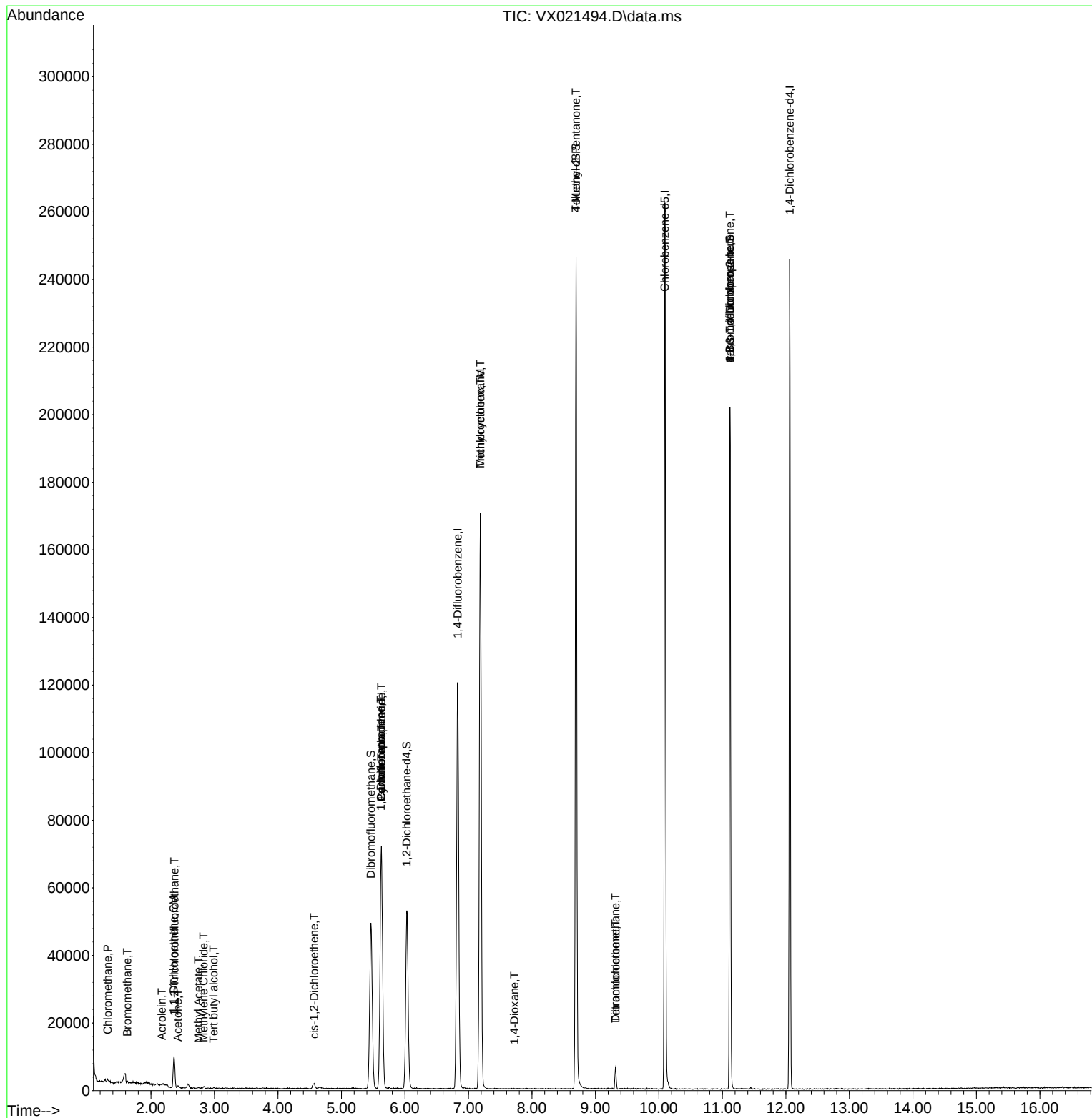
Internal Standards						
1) Pentafluorobenzene	5.629	168	60475	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	110731	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	109546	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	44392	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	52663	52.34	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	104.68%
35) Dibromofluoromethane	5.464	113	39598	50.34	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.68%
50) Toluene-d8	8.694	98	138605	49.45	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.90%
62) 4-Bromofluorobenzene	11.118	95	53433	49.03	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.06%
Target Compounds						Qvalue
3) Chloromethane	1.317	50	1564	2.09	ug/l #	81
5) Bromomethane	1.628	94	80	0.29	ug/l #	49
9) 1,1,2-Trichlorotrifluo...	2.370	101	2955	4.75	ug/l	95
11) Tert butyl alcohol	2.987	59	38	0.23	ug/l #	73
12) 1,1-Dichloroethene	2.358	96	652	1.07	ug/l	96
13) Acrolein	2.170	56	19	4.52	ug/l #	71
16) Acetone	2.423	43	617	1.62	ug/l #	40
18) Methyl Acetate	2.746	43	235	0.21	ug/l #	47
20) Methylene Chloride	2.829	84	244	0.33	ug/l #	83
27) cis-1,2-Dichloroethene	4.570	96	919	1.18	ug/l	97
31) Cyclohexane	5.629	56	1777	1.61	ug/l #	35
36) 1,1-Dichloropropene	5.623	75	5679	5.23	ug/l #	49
38) Carbon Tetrachloride	5.629	117	6677	5.73	ug/l #	17
39) Methylcyclohexane	7.188	83	843	0.70	ug/l #	1
44) Trichloroethene	7.188	130	58504	71.96	ug/l	89
49) 1,4-Dioxane	7.723	88	64	3.29	ug/l #	49
51) 4-Methyl-2-Pentanone	8.694	43	850	0.68	ug/l #	1
60) Dibromochloromethane	9.318	129	1061	1.18	ug/l #	11
64) Tetrachloroethene	9.318	164	1131	1.54	ug/l	90
76) 1,2,3-Trichloropropane	11.118	75	30418	29.43	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.118	75	30418	89.65	ug/l #	12

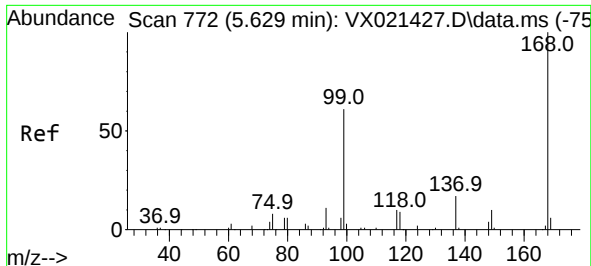
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

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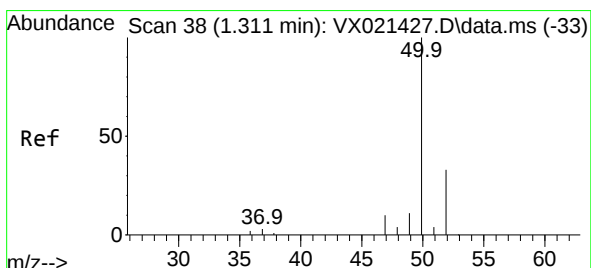
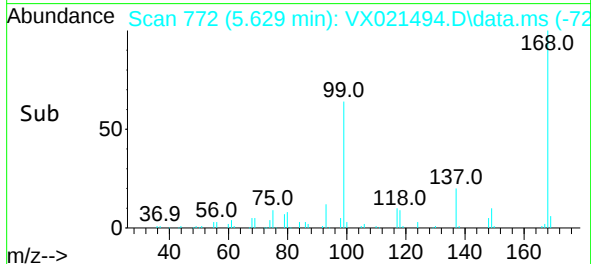
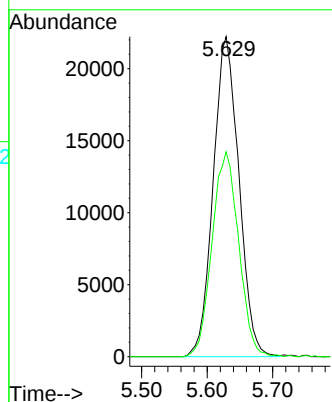
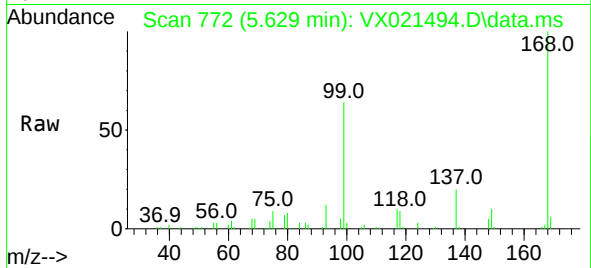




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.000 min
Lab File: VX021494.D
Acq: 25 Mar 2021 18:15

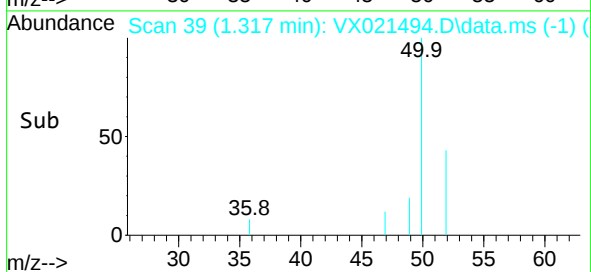
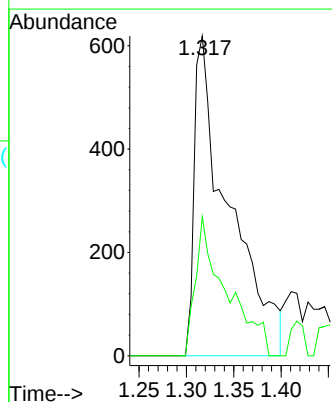
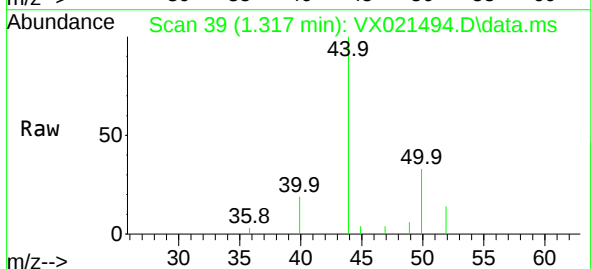
Instrument :
MSVOA_X
ClientSampled :

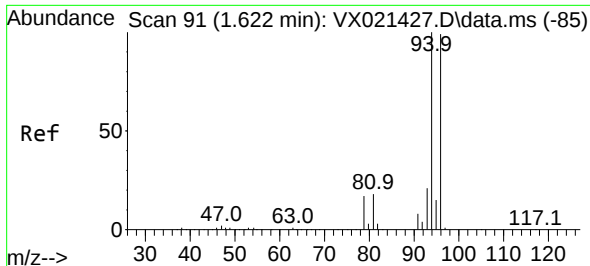
Tgt Ion:168 Resp: 60475
Ion Ratio Lower Upper
168 100
99 64.1 45.8 68.6



#3
Chloromethane
Concen: 2.09 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021494.D
Acq: 25 Mar 2021 18:15

Tgt Ion: 50 Resp: 1564
Ion Ratio Lower Upper
50 100
52 43.5 26.4 39.6#

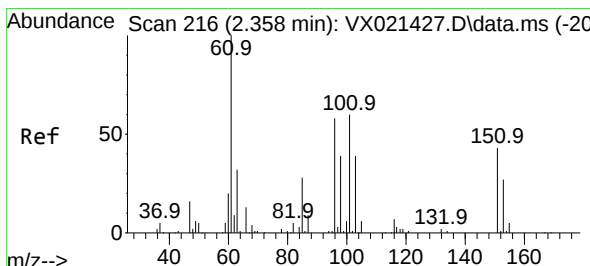
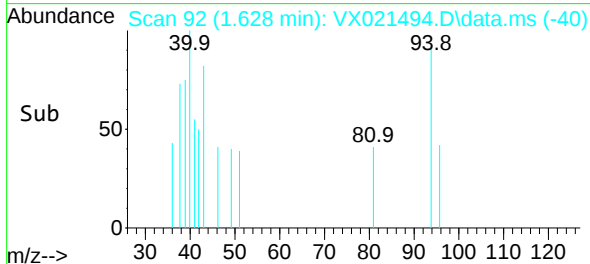
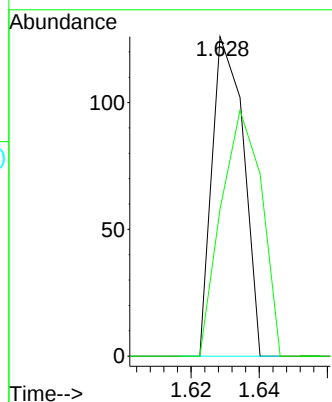
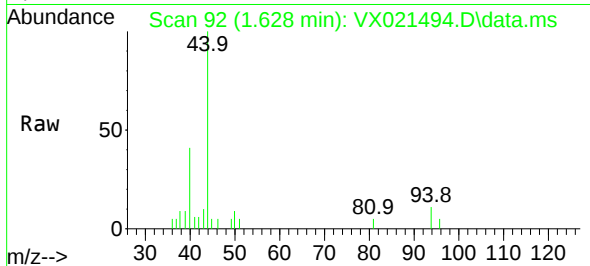




#5
Bromomethane
Concen: 0.29 ug/l
RT: 1.628 min Scan# 92
Delta R.T. 0.006 min
Lab File: VX021494.D
Acq: 25 Mar 2021 18:15

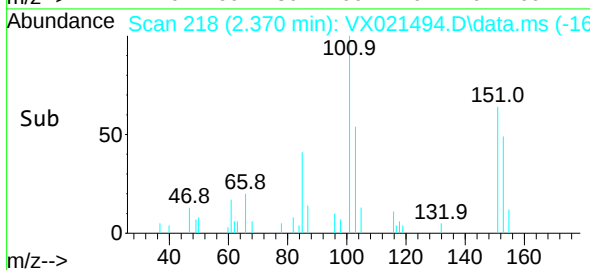
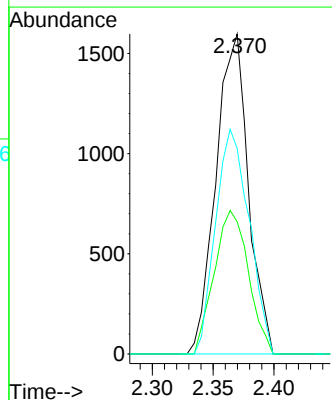
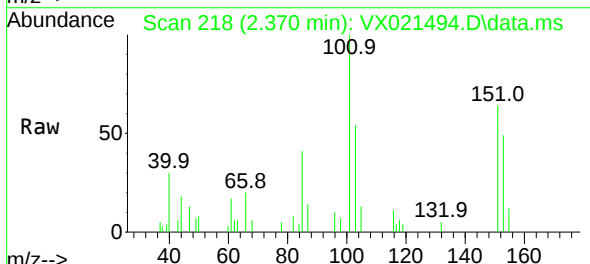
Instrument :
MSVOA_X
ClientSampled :

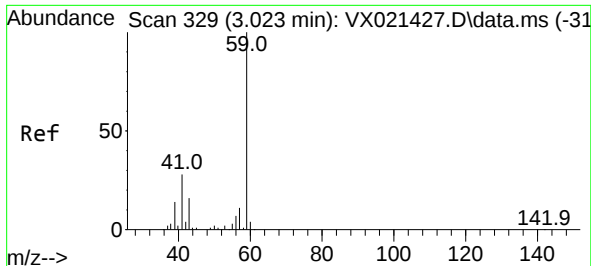
Tgt Ion: 94 Resp: 80
Ion Ratio Lower Upper
94 100
96 46.0 76.4 114.6#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.75 ug/l
RT: 2.370 min Scan# 218
Delta R.T. 0.012 min
Lab File: VX021494.D
Acq: 25 Mar 2021 18:15

Tgt Ion: 101 Resp: 2955
Ion Ratio Lower Upper
101 100
85 47.3 34.9 52.3
151 73.0 61.4 92.2

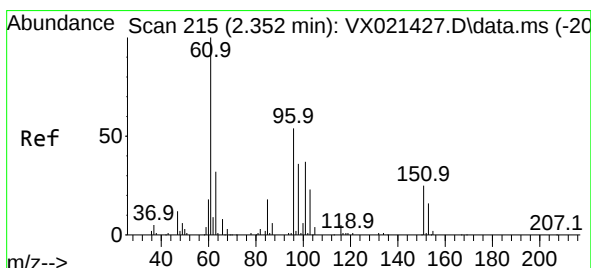
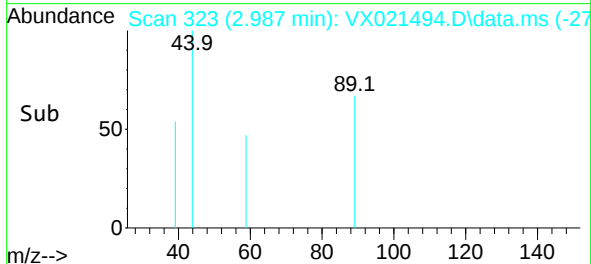
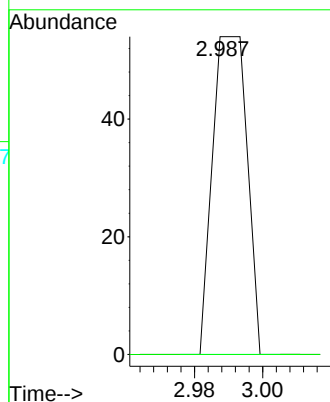
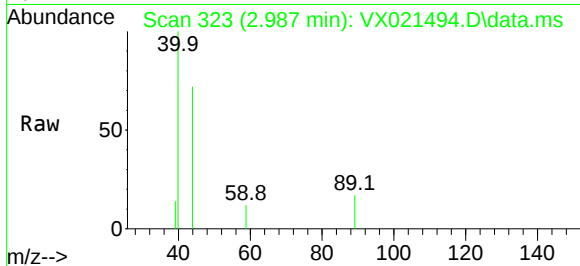




#11
Tert butyl alcohol
Concen: 0.23 ug/l
RT: 2.987 min Scan# 323
Delta R.T. -0.036 min
Lab File: VX021494.D
Acq: 25 Mar 2021 18:15

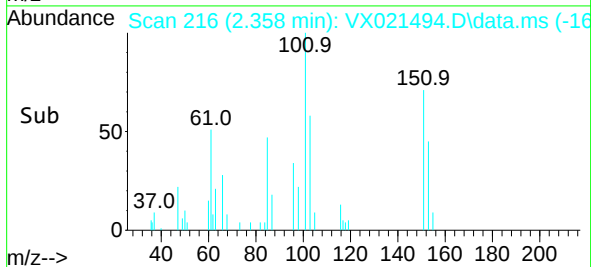
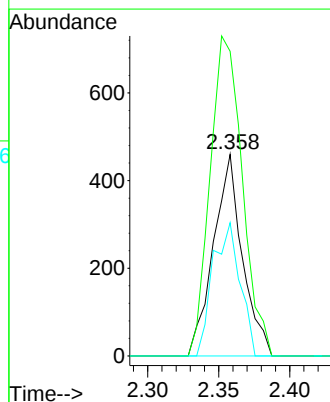
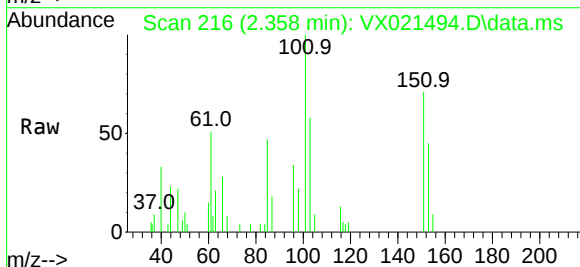
Instrument :
MSVOA_X
ClientSampled :

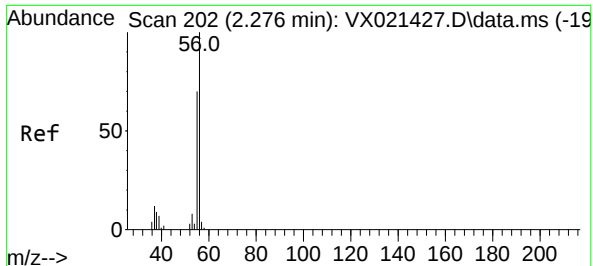
Tgt Ion: 59 Resp: 38
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 1.07 ug/l
RT: 2.358 min Scan# 216
Delta R.T. 0.006 min
Lab File: VX021494.D
Acq: 25 Mar 2021 18:15

Tgt Ion: 96 Resp: 652
Ion Ratio Lower Upper
96 100
61 151.1 124.6 187.0
98 66.1 50.6 76.0

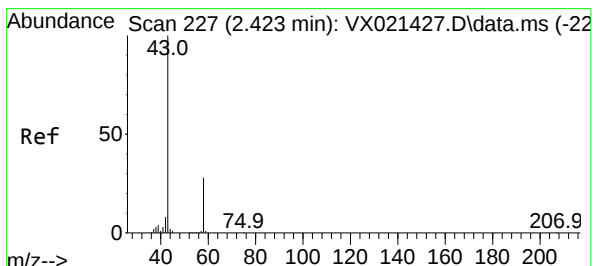
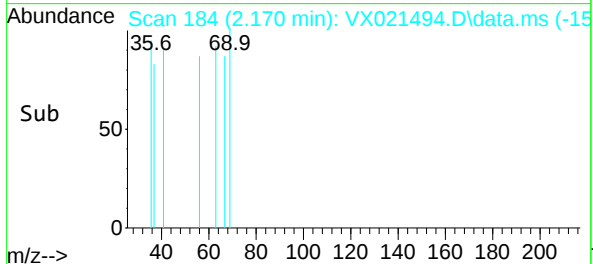
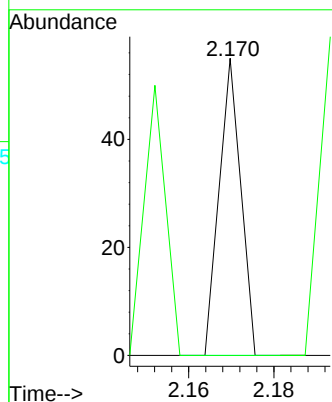
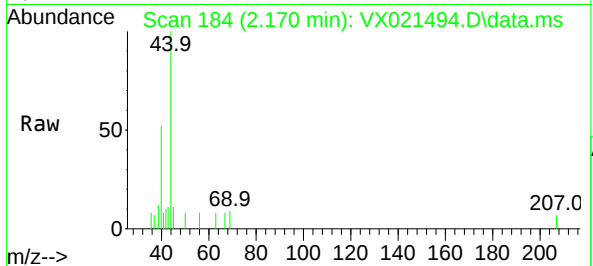




#13
Acrolein
Concen: 4.52 ug/l
RT: 2.170 min Scan# 184
Delta R.T. -0.106 min
Lab File: VX021494.D
Acq: 25 Mar 2021 18:15

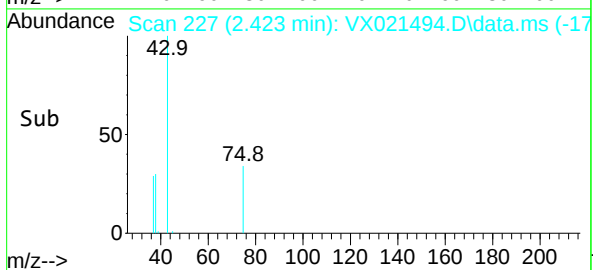
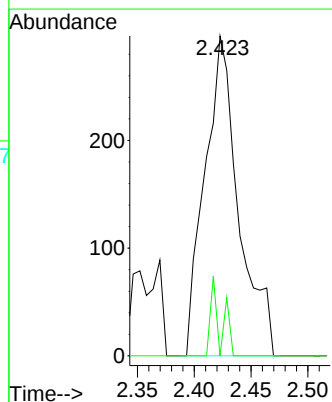
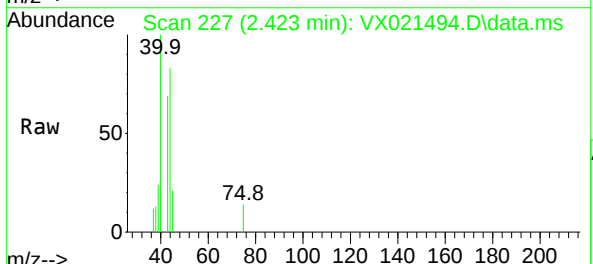
Instrument :
MSVOA_X
ClientSampled :

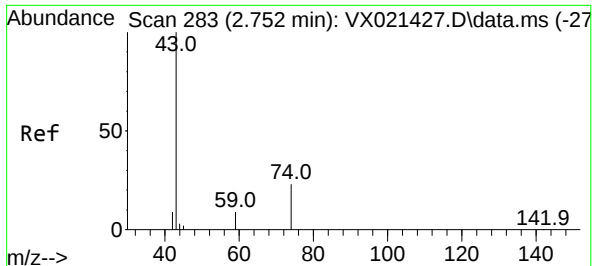
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 94.7 56.4 84.6#



#16
Acetone
Concen: 1.62 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021494.D
Acq: 25 Mar 2021 18:15

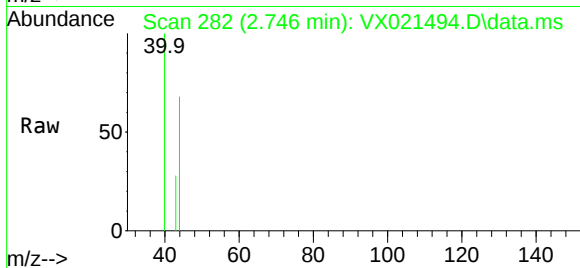
Tgt Ion: 43 Resp: 617
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



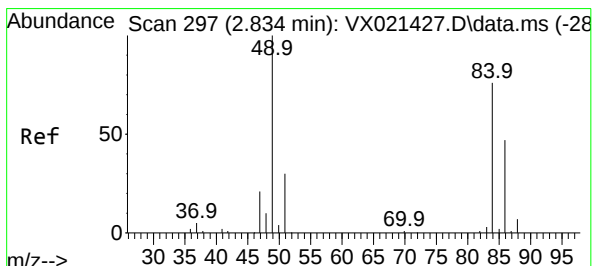
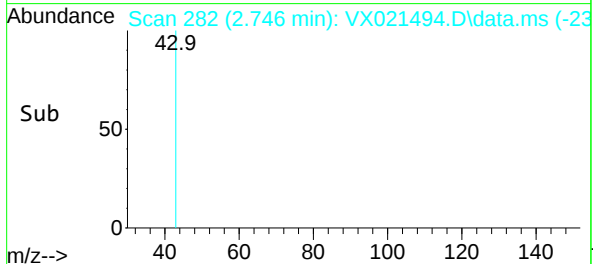
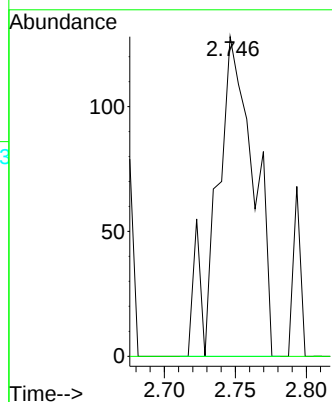


#18
Methyl Acetate
Concen: 0.21 ug/l
RT: 2.746 min Scan# 282
Delta R.T. -0.006 min
Lab File: VX021494.D
Acq: 25 Mar 2021 18:15

Instrument :
MSVOA_X
ClientSampled :

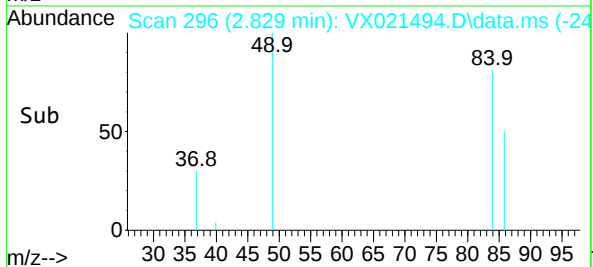
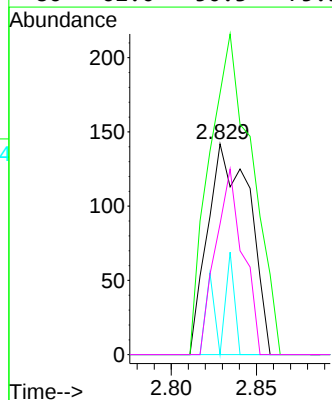
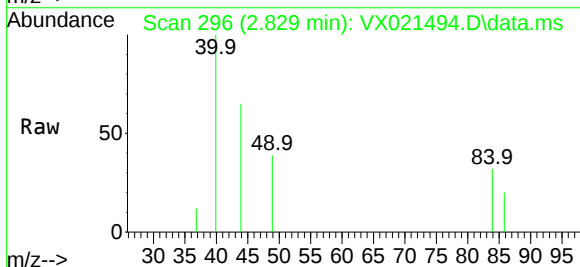


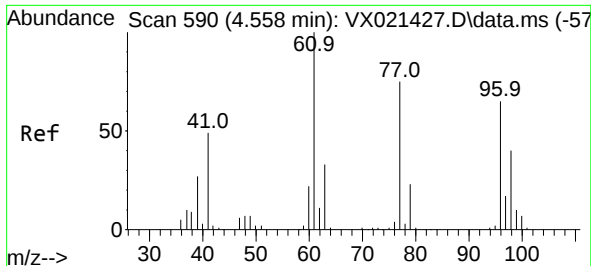
Tgt Ion: 43 Resp: 235
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



#20
Methylene Chloride
Concen: 0.33 ug/l
RT: 2.829 min Scan# 296
Delta R.T. -0.005 min
Lab File: VX021494.D
Acq: 25 Mar 2021 18:15

Tgt Ion: 84 Resp: 244
Ion Ratio Lower Upper
84 100
49 123.9 88.6 132.8
51 0.0 27.0 40.6#
86 62.0 50.3 75.5





#27

cis-1,2-Dichloroethene

Concen: 1.18 ug/l

RT: 4.570 min Scan# 592

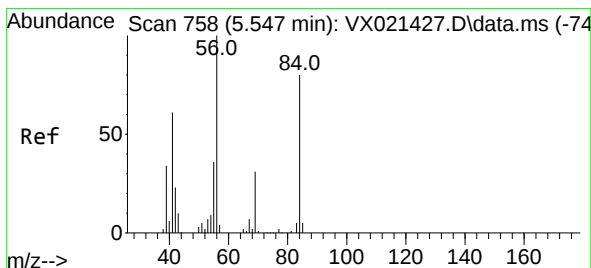
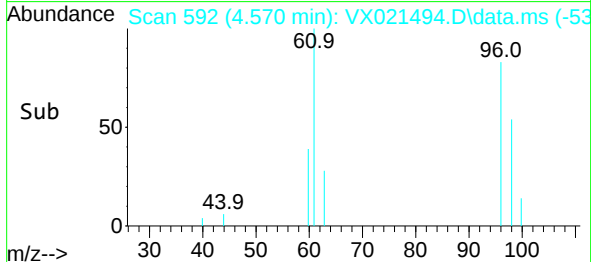
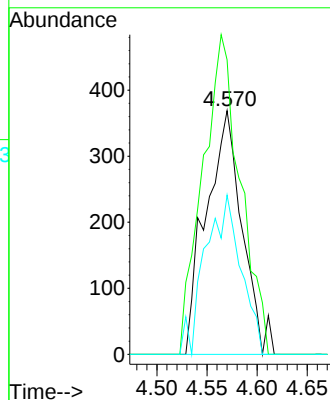
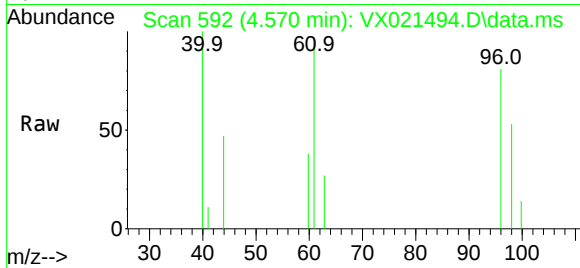
Delta R.T. 0.012 min

Lab File: VX021494.D

Acq: 25 Mar 2021 18:15

Tgt Ion: 96 Resp: 919

Ion	Ratio	Lower	Upper
96	100		
61	137.3	0.0	285.6
98	64.9	0.0	129.6



#31

Cyclohexane

Concen: 1.61 ug/l

RT: 5.629 min Scan# 772

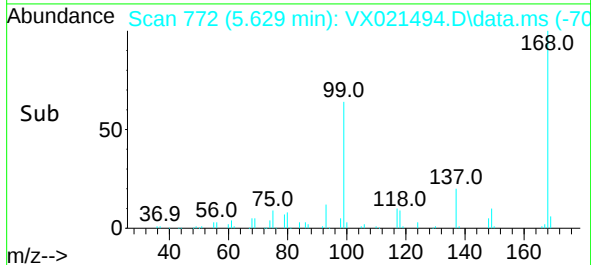
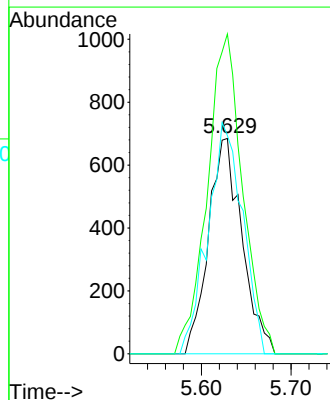
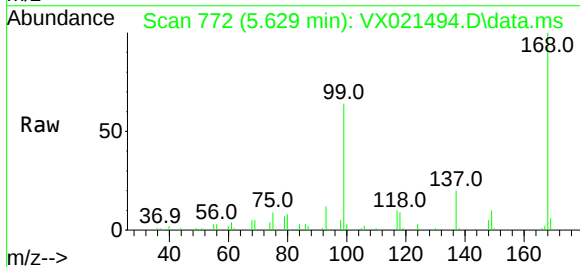
Delta R.T. 0.082 min

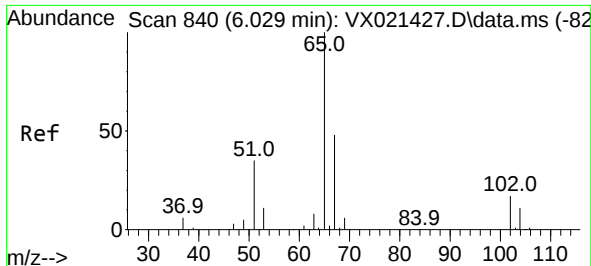
Lab File: VX021494.D

Acq: 25 Mar 2021 18:15

Tgt Ion: 56 Resp: 1777

Ion	Ratio	Lower	Upper
56	100		
69	148.5	25.3	37.9#
84	101.3	71.4	107.0





#33

1,2-Dichloroethane-d4

Concen: 52.34 ug/l

RT: 6.029 min Scan# 840

Delta R.T. 0.000 min

Lab File: VX021494.D

Acq: 25 Mar 2021 18:15

Tgt Ion: 65 Resp: 52663

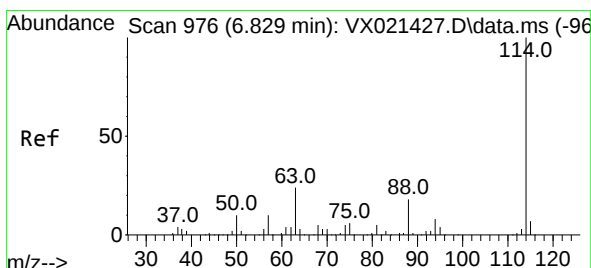
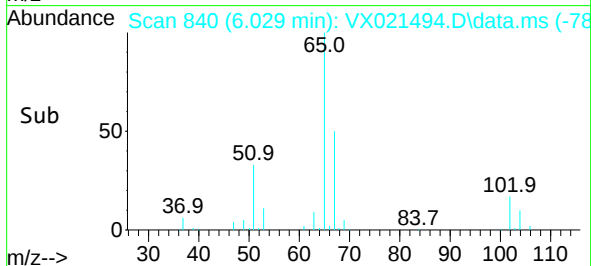
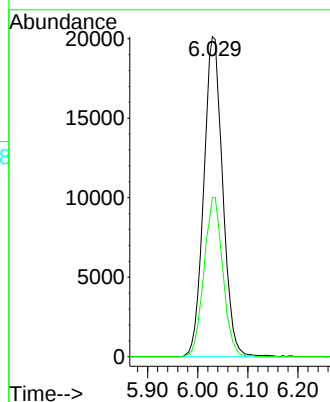
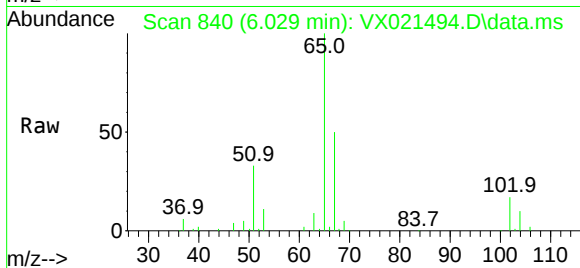
Ion Ratio Lower Upper

65	100		
67	49.6	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

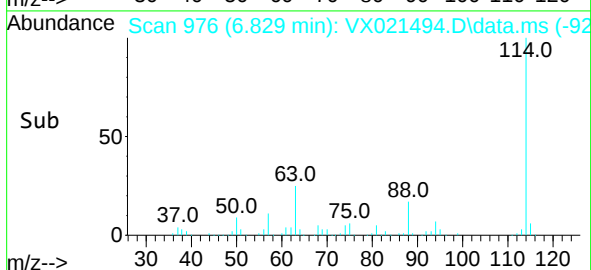
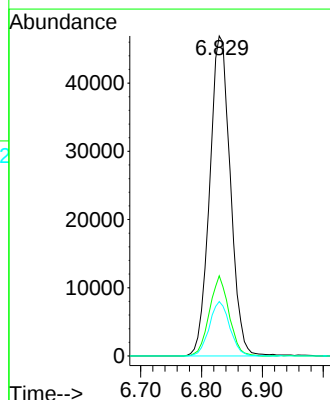
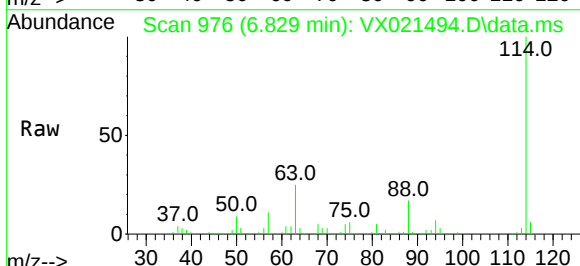
Lab File: VX021494.D

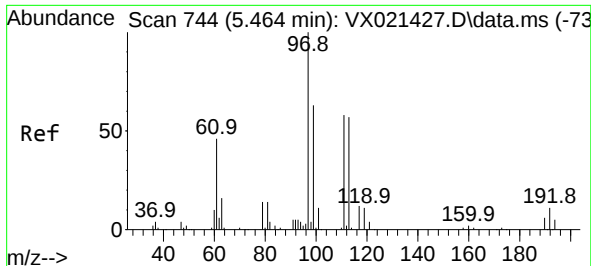
Acq: 25 Mar 2021 18:15

Tgt Ion: 114 Resp: 110731

Ion Ratio Lower Upper

114	100		
63	25.0	0.0	40.8
88	17.0	0.0	32.8

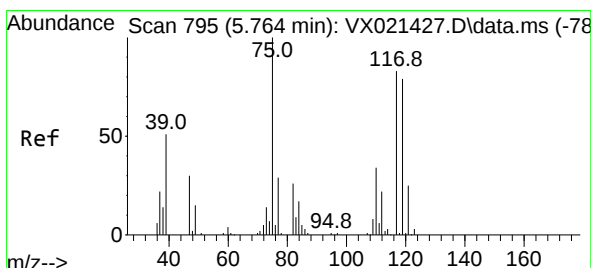
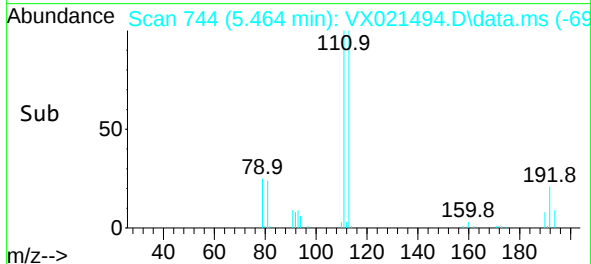
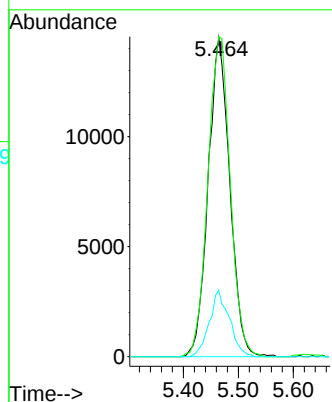
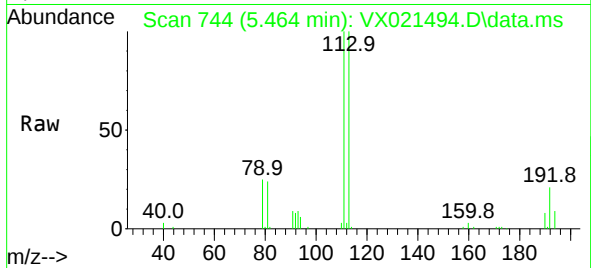




#35
Dibromofluoromethane
Concen: 50.34 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021494.D
Acq: 25 Mar 2021 18:15

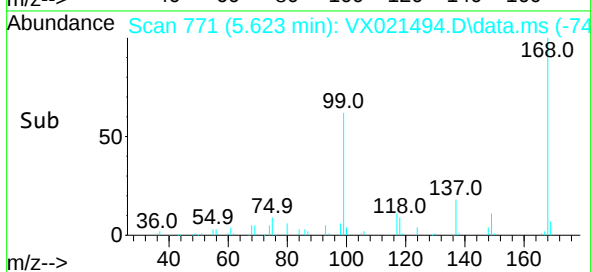
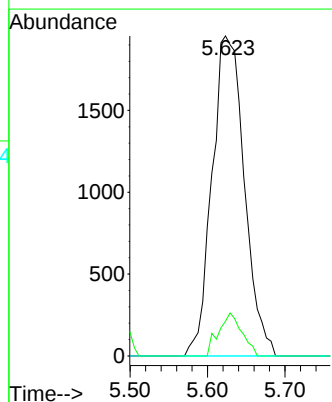
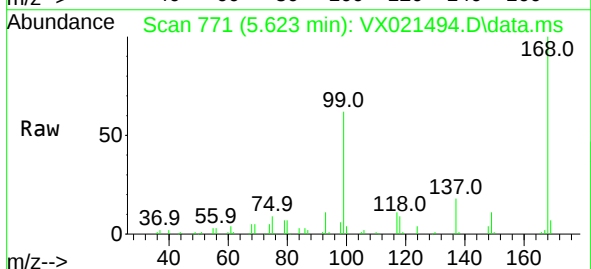
Instrument :
MSVOA_X
ClientSampleId :

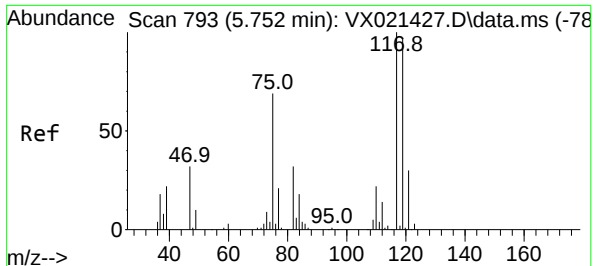
Tgt Ion:113 Resp: 39598
Ion Ratio Lower Upper
113 100
111 104.0 81.9 122.9
192 19.3 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.23 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.141 min
Lab File: VX021494.D
Acq: 25 Mar 2021 18:15

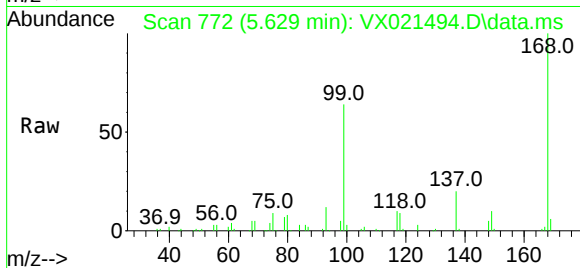
Tgt Ion: 75 Resp: 5679
Ion Ratio Lower Upper
75 100
110 9.7 18.1 54.4#
77 0.0 25.3 37.9#



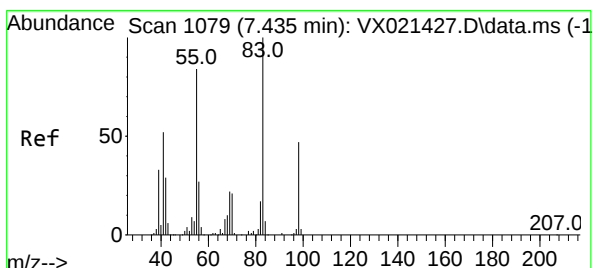
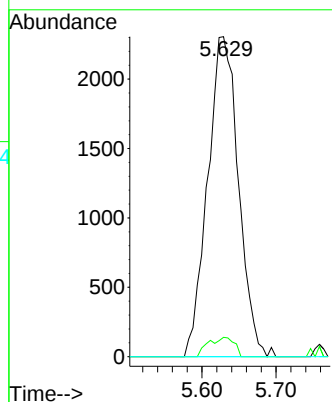
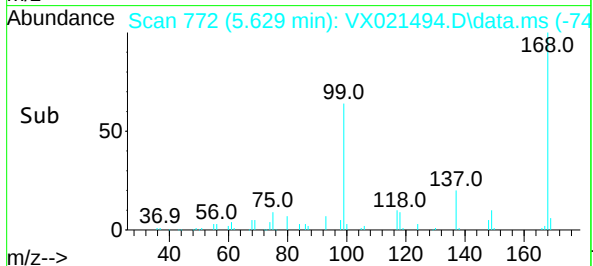


#38
Carbon Tetrachloride
Concen: 5.73 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.123 min
Lab File: VX021494.D
Acq: 25 Mar 2021 18:15

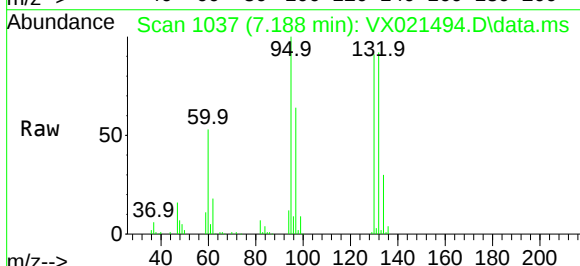
Instrument :
MSVOA_X
ClientSampleId :



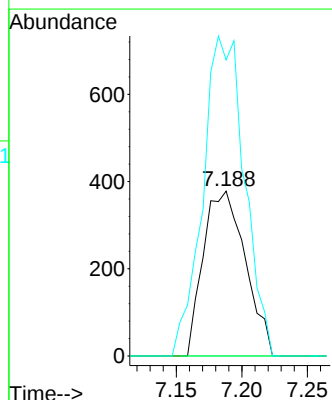
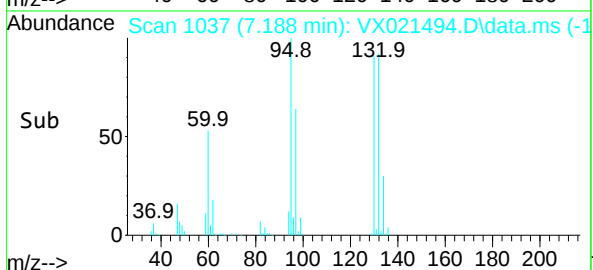
Tgt Ion:117 Resp: 6677
Ion Ratio Lower Upper
117 100
119 6.1 76.2 114.2#
121 0.0 24.8 37.2#

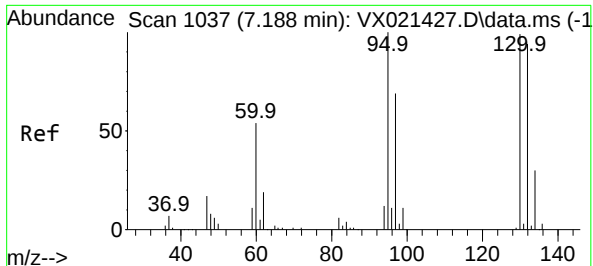


#39
Methylcyclohexane
Concen: 0.70 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. -0.247 min
Lab File: VX021494.D
Acq: 25 Mar 2021 18:15



Tgt Ion: 83 Resp: 843
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 179.6 38.1 57.1#

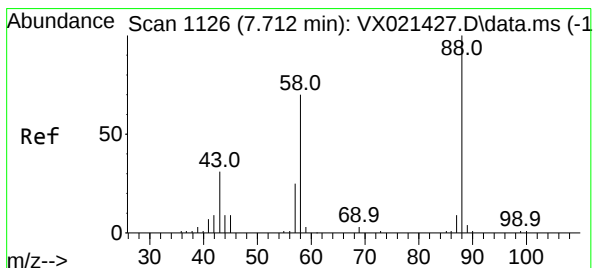
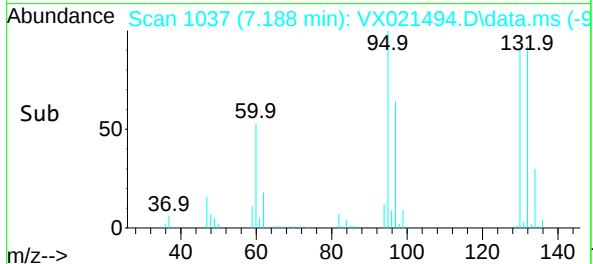
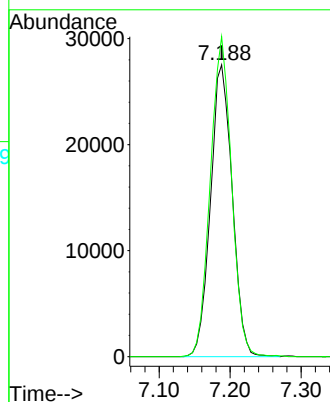
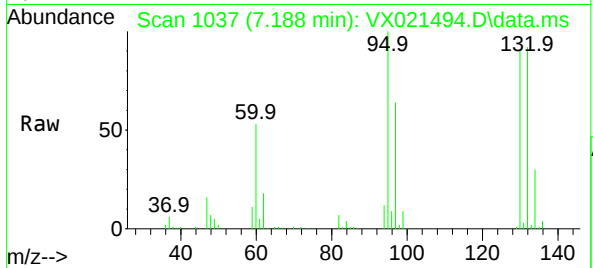




#44
Trichloroethene
Concen: 71.96 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VX021494.D
Acq: 25 Mar 2021 18:15

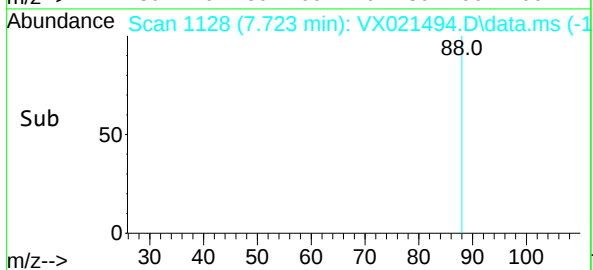
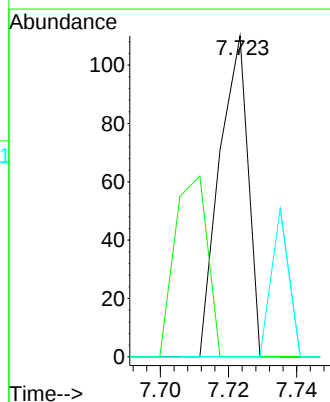
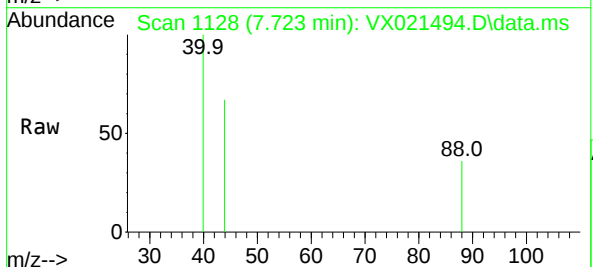
Instrument :
MSVOA_X
ClientSampled :

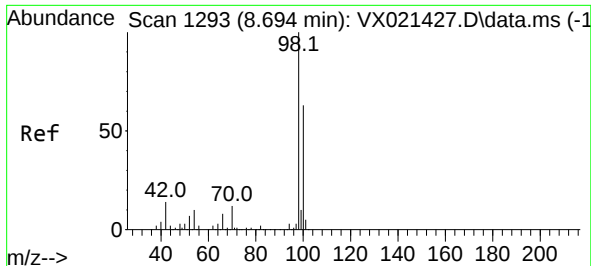
Tgt Ion:130 Resp: 58504
Ion Ratio Lower Upper
130 100
95 109.6 0.0 198.0



#49
1,4-Dioxane
Concen: 3.29 ug/l
RT: 7.723 min Scan# 1128
Delta R.T. 0.011 min
Lab File: VX021494.D
Acq: 25 Mar 2021 18:15

Tgt Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 0.0 23.2 34.8#
58 28.1 55.0 82.4#

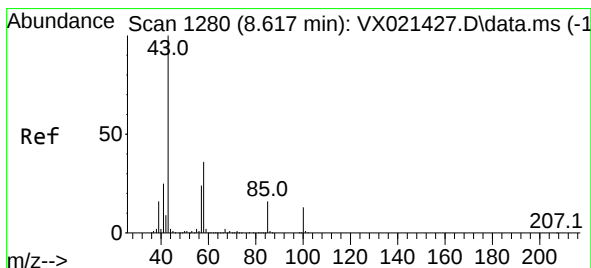
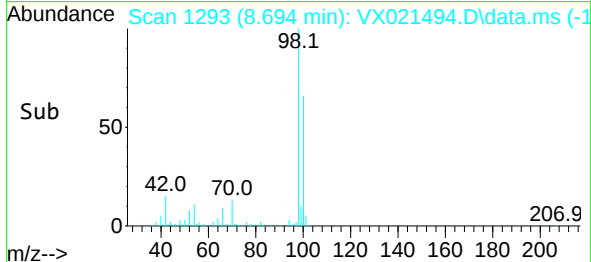
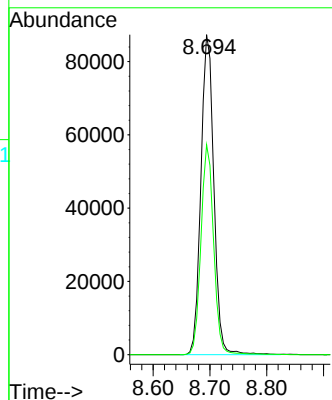
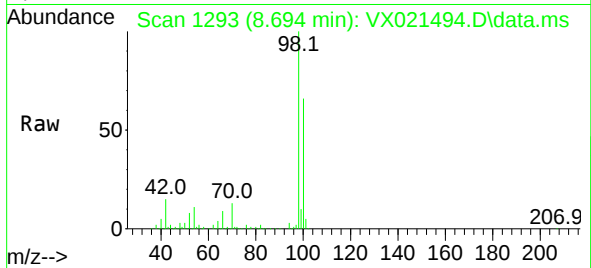




#50
Toluene-d8
Concen: 49.45 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX021494.D
Acq: 25 Mar 2021 18:15

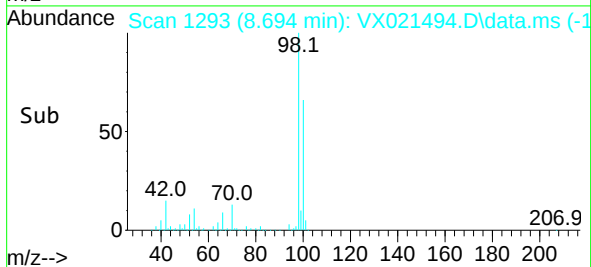
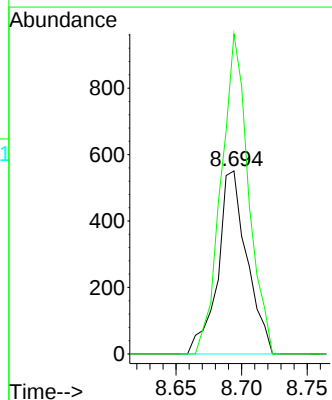
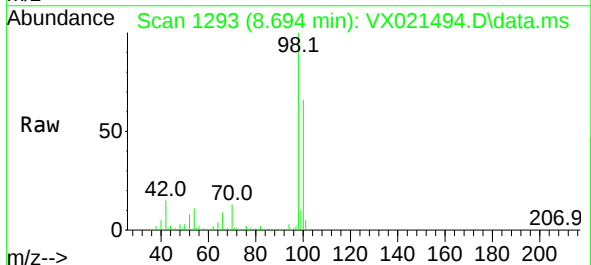
Instrument :
MSVOA_X
ClientSampled :

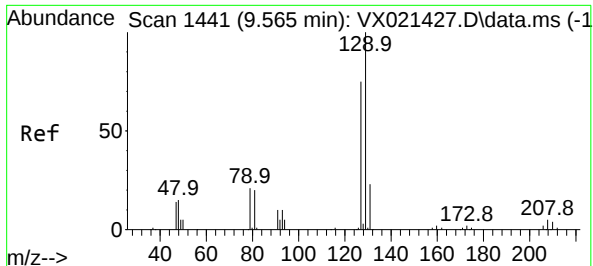
Tgt Ion: 98 Resp: 138605
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.68 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.077 min
Lab File: VX021494.D
Acq: 25 Mar 2021 18:15

Tgt Ion: 43 Resp: 850
Ion Ratio Lower Upper
43 100
58 164.0 35.4 53.0#

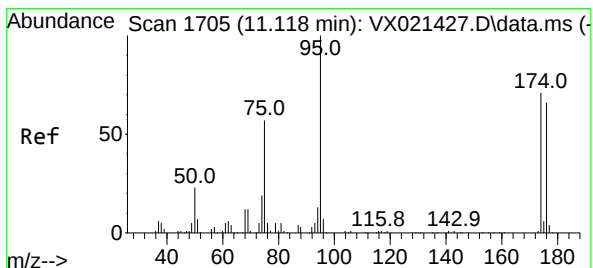
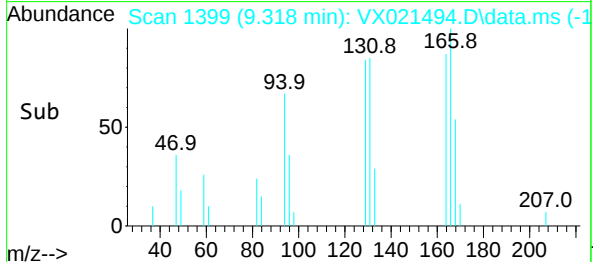
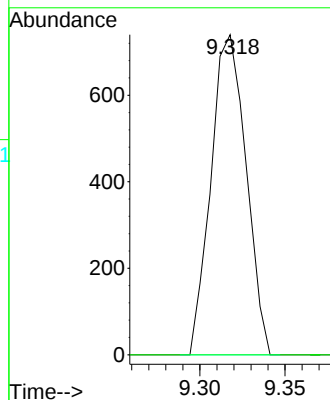
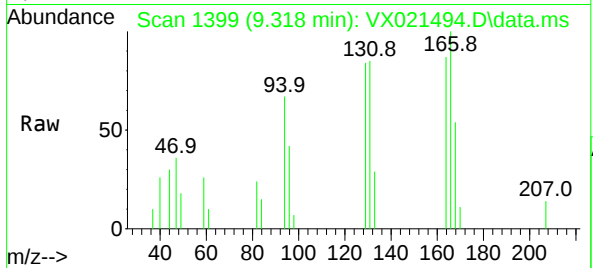




#60
Dibromochloromethane
Concen: 1.18 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.247 min
Lab File: VX021494.D
Acq: 25 Mar 2021 18:15

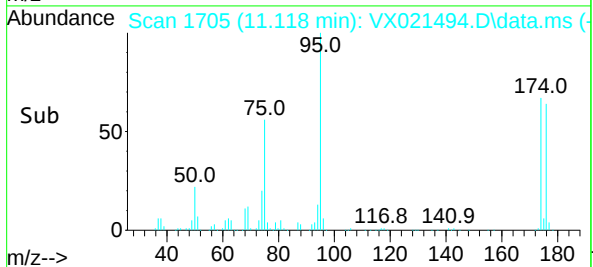
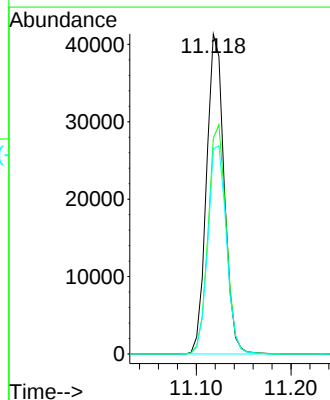
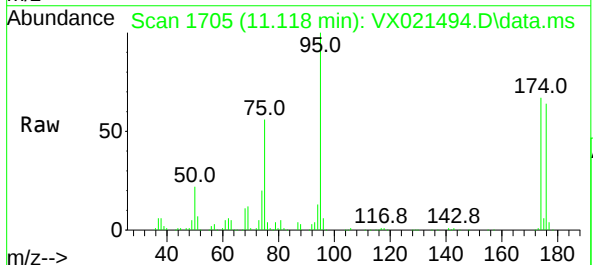
Instrument :
MSVOA_X
ClientSampleId :

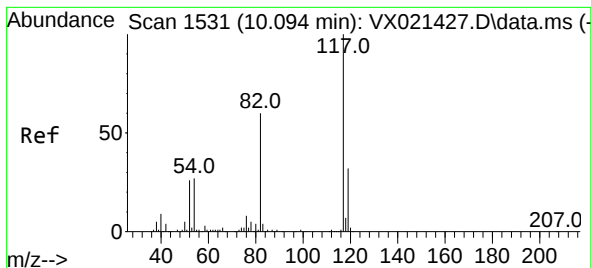
Tgt Ion:129 Resp: 1061
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 49.03 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021494.D
Acq: 25 Mar 2021 18:15

Tgt Ion: 95 Resp: 53433
Ion Ratio Lower Upper
95 100
174 73.4 0.0 154.6
176 68.3 0.0 155.8

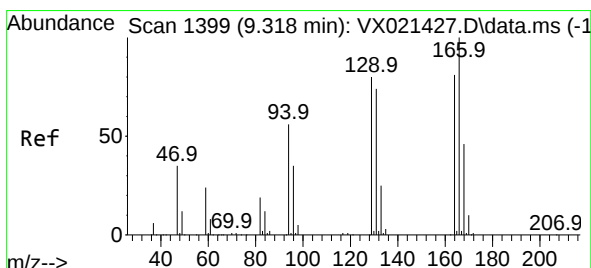
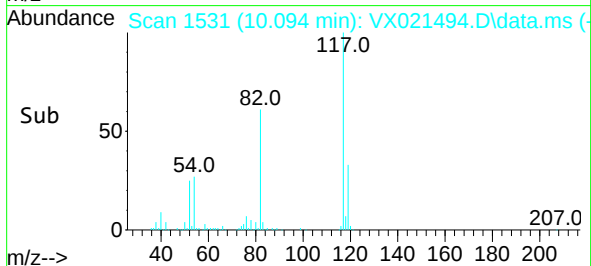
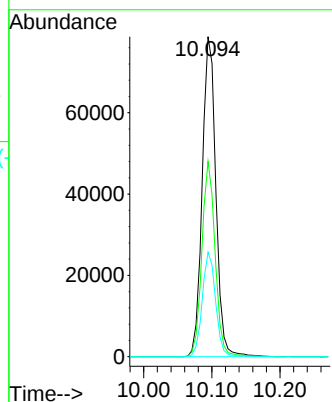
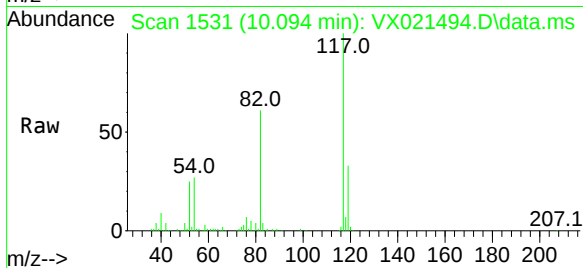




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021494.D
Acq: 25 Mar 2021 18:15

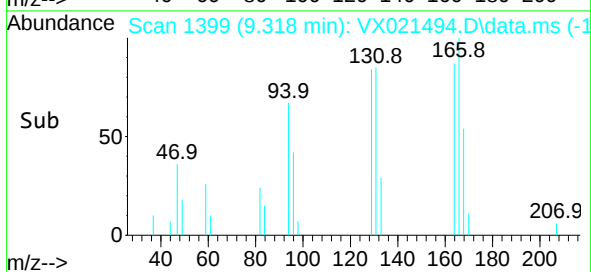
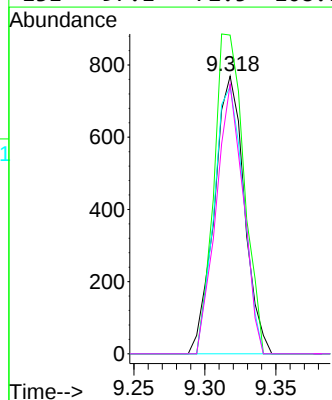
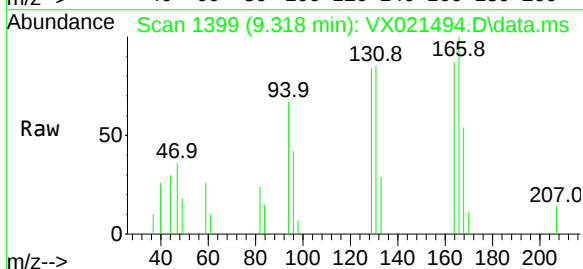
Instrument :
MSVOA_X
ClientSampled :

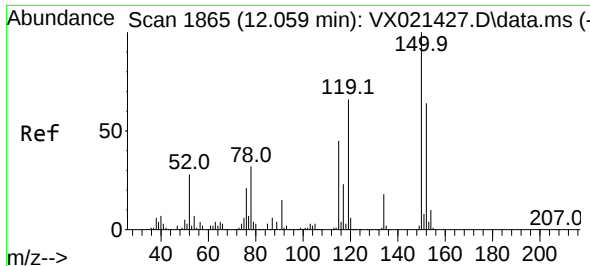
Tgt Ion:	117	Resp:	109546
Ion Ratio	Lower	Upper	
117	100		
82	61.0	47.4	71.2
119	32.7	26.6	39.8



#64
Tetrachloroethene
Concen: 1.54 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VX021494.D
Acq: 25 Mar 2021 18:15

Tgt Ion:	164	Resp:	1131
Ion Ratio	Lower	Upper	
164	100		
166	114.8	103.4	155.2
129	96.2	70.8	106.2
131	97.1	72.5	108.7

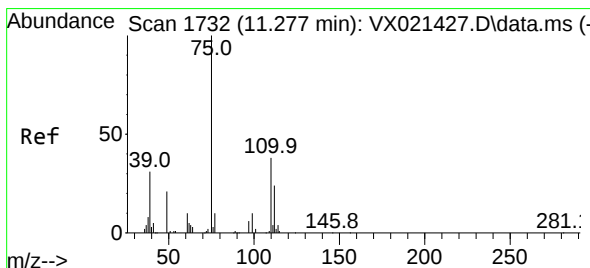
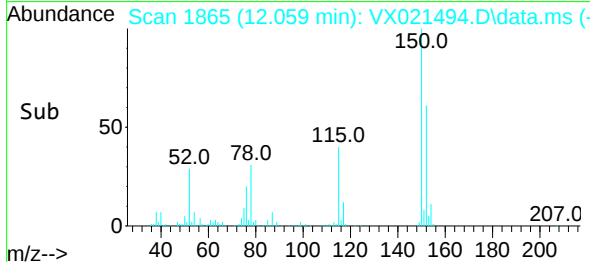
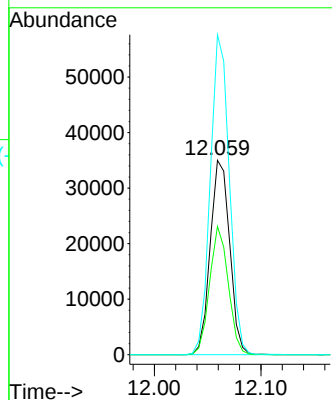
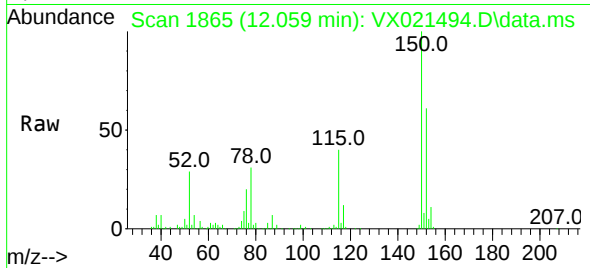




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021494.D
Acq: 25 Mar 2021 18:15

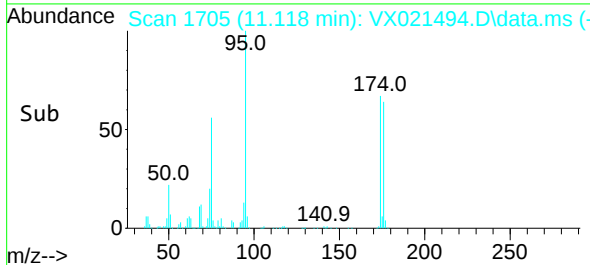
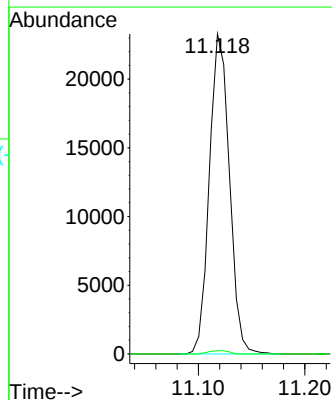
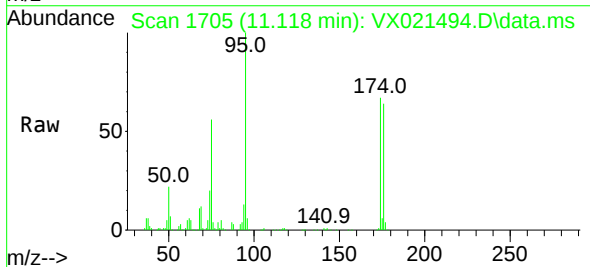
Instrument :
MSVOA_X
ClientSampled :

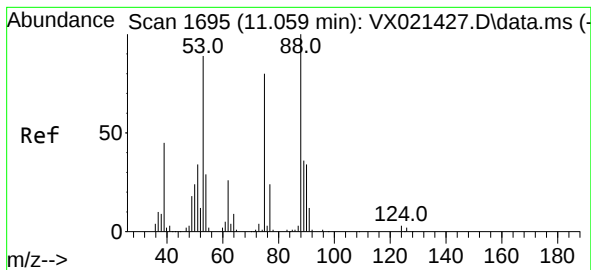
Tgt Ion:152 Resp: 44392
Ion Ratio Lower Upper
152 100
115 63.2 41.1 123.3
150 160.5 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 29.43 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021494.D
Acq: 25 Mar 2021 18:15

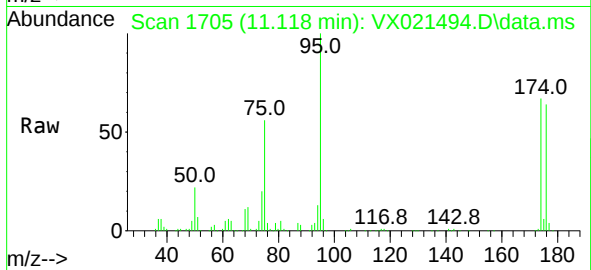
Tgt Ion: 75 Resp: 30418
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.65 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. 0.059 min
 Lab File: VX021494.D
 Acq: 25 Mar 2021 18:15

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 30418
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

