

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072321\
 Data File : VX023425.D
 Acq On : 23 Jul 2021 15:48
 Operator : JC/MD
 Sample : M3146-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 24 03:45:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:05:38 2021
 Response via : Initial Calibration

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

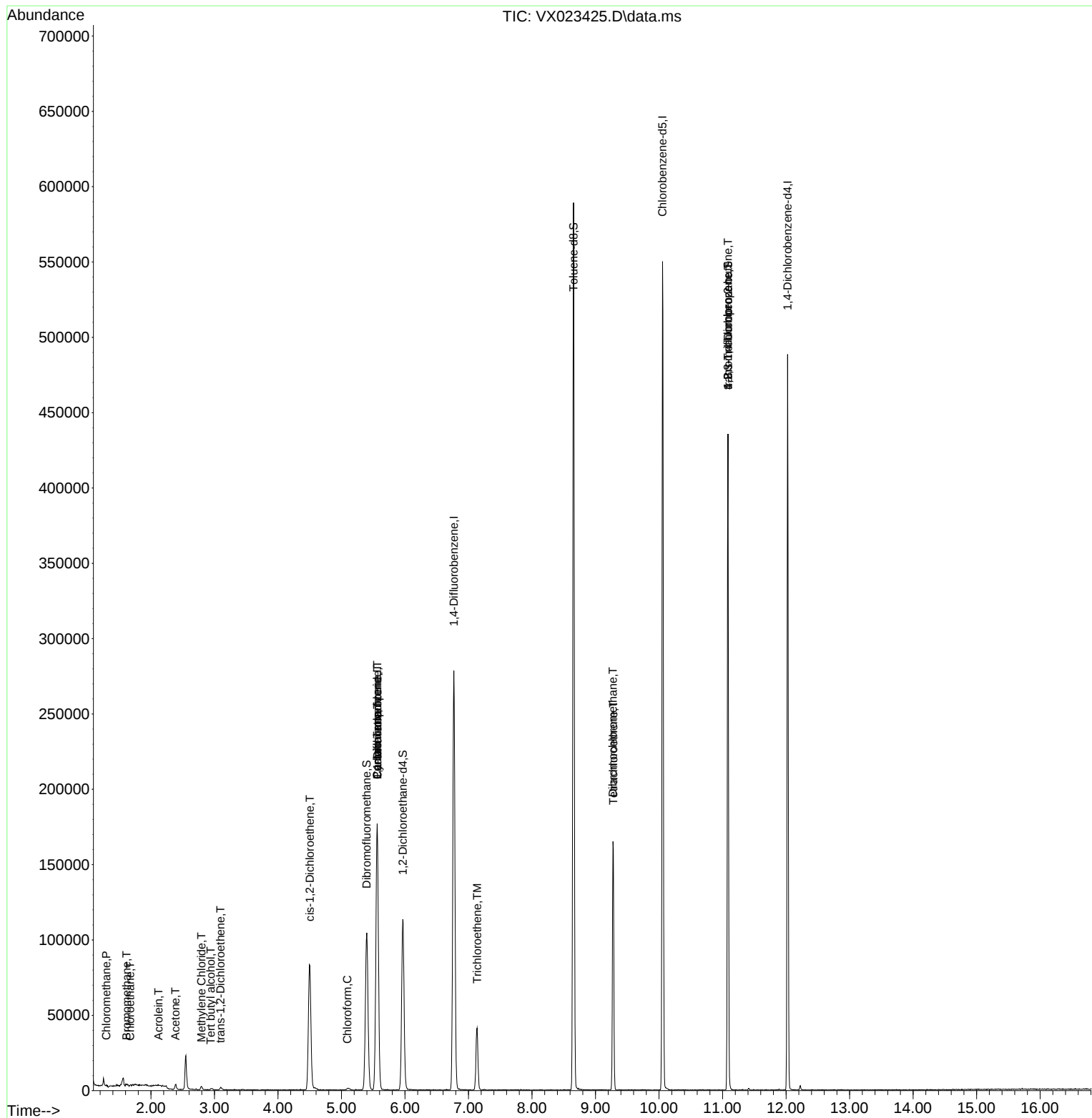
Internal Standards						
1) Pentafluorobenzene	5.562	168	169869	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	283476	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	251372	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96871	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	109514	51.683	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 103.360%		
35) Dibromofluoromethane	5.397	113	89707	50.613	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.220%		
50) Toluene-d8	8.653	98	338479	51.978	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 103.960%		
62) 4-Bromofluorobenzene	11.085	95	108064	48.802	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 97.600%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	590	0.324	ug/l	96
5) Bromomethane	1.617	94	458	0.419	ug/l #	78
6) Chloroethane	1.672	64	368	0.325	ug/l #	43
11) Tert butyl alcohol	2.940	59	720	1.487	ug/l #	73
13) Acrolein	2.117	56	38	1.517	ug/l #	1
16) Acetone	2.386	43	3681	3.541	ug/l	91
20) Methylene Chloride	2.794	84	968	0.479	ug/l #	82
21) trans-1,2-Dichloroethene	3.093	96	724	0.408	ug/l #	78
27) cis-1,2-Dichloroethene	4.501	96	54104	26.275	ug/l	89
30) Chloroform	5.092	83	1643	0.488	ug/l #	78
31) Cyclohexane	5.562	56	3757	1.197	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	12540	4.890	ug/l #	50
38) Carbon Tetrachloride	5.562	117	16521	6.335	ug/l #	15
44) Trichloroethene	7.135	130	15971	7.646	ug/l	96
60) Dibromochloromethane	9.275	129	29640	15.447	ug/l #	11
64) Tetrachloroethene	9.281	164	31010	15.500	ug/l	97
76) 1,2,3-Trichloropropane	11.085	75	55738	26.147	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	55738	70.306	ug/l #	12

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

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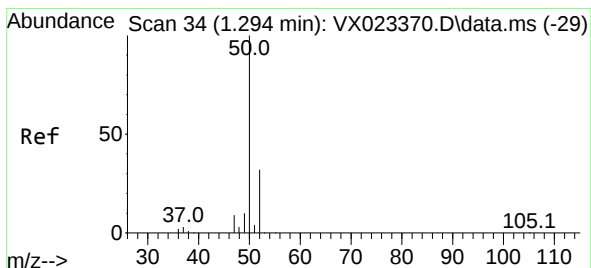
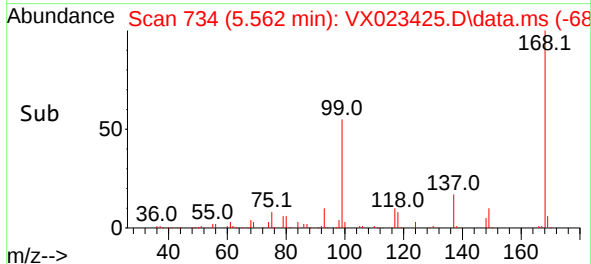
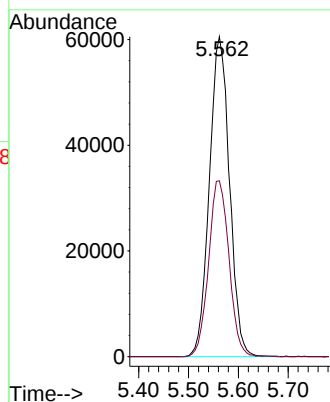
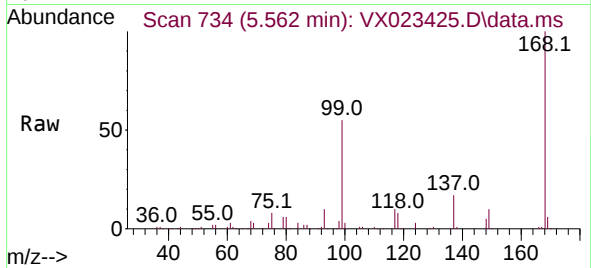




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023425.D
Acq: 23 Jul 2021 15:48

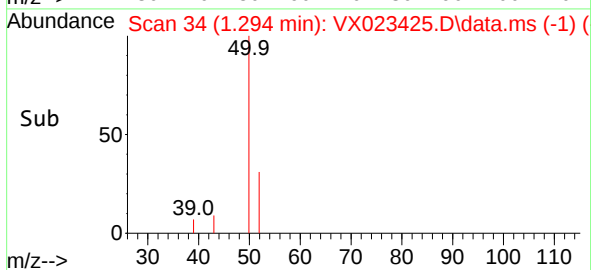
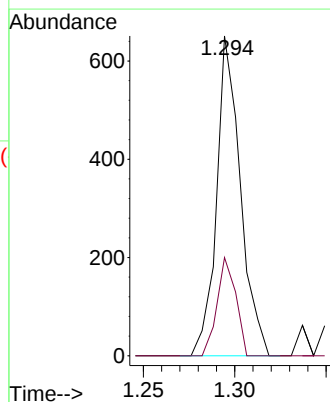
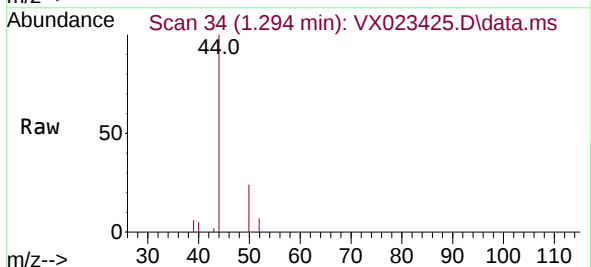
Instrument :
MSVOA_X
ClientSampleId :

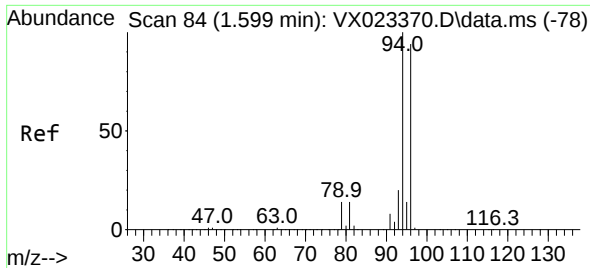
Tgt Ion:168 Resp: 169869
Ion Ratio Lower Upper
168 100
99 55.0 45.8 68.6



#3
Chloromethane
Concen: 0.324 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX023425.D
Acq: 23 Jul 2021 15:48

Tgt Ion: 50 Resp: 590
Ion Ratio Lower Upper
50 100
52 30.7 26.4 39.6

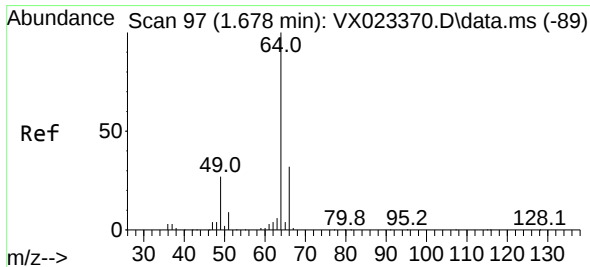
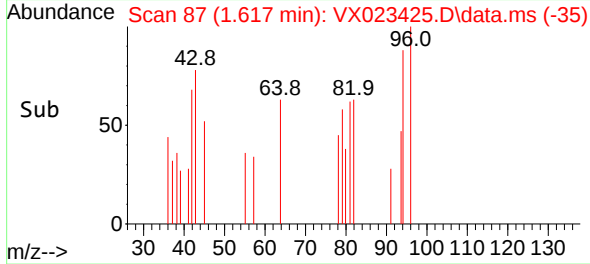
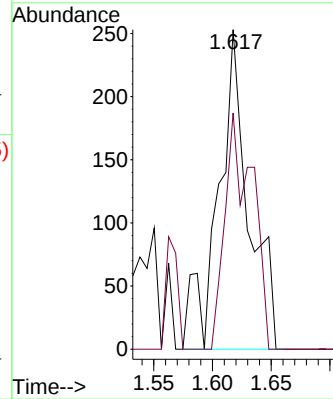
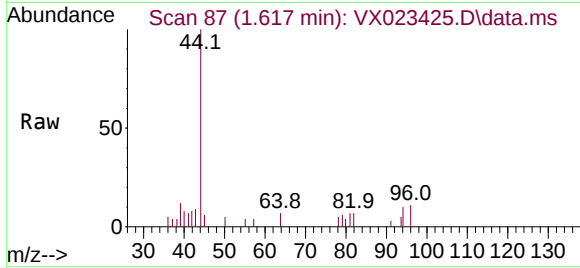




#5
Bromomethane
Concen: 0.419 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX023425.D
Acq: 23 Jul 2021 15:48

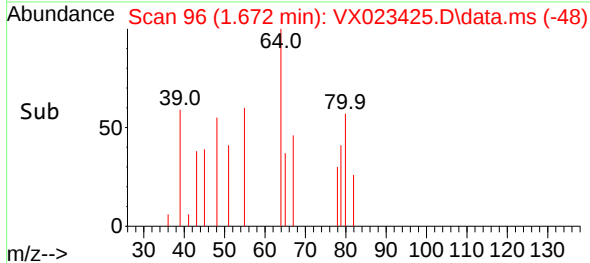
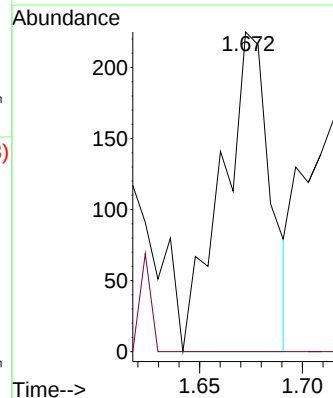
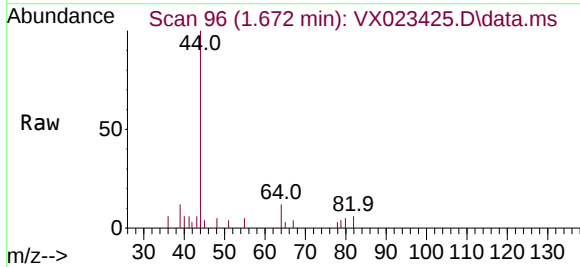
Instrument :
MSVOA_X
ClientSampled :

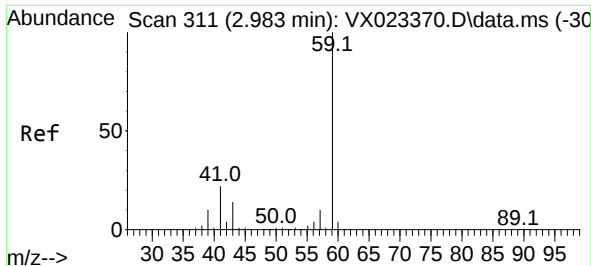
Tgt Ion: 94 Resp: 458
Ion Ratio Lower Upper
94 100
96 73.9 76.4 114.6#



#6
Chloroethane
Concen: 0.325 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.006 min
Lab File: VX023425.D
Acq: 23 Jul 2021 15:48

Tgt Ion: 64 Resp: 368
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

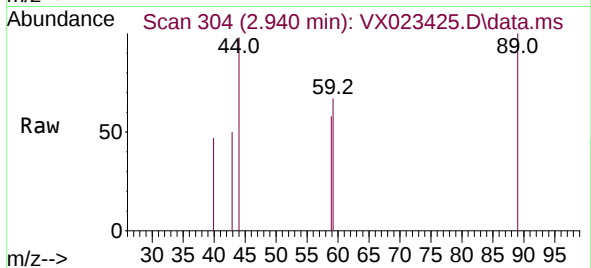




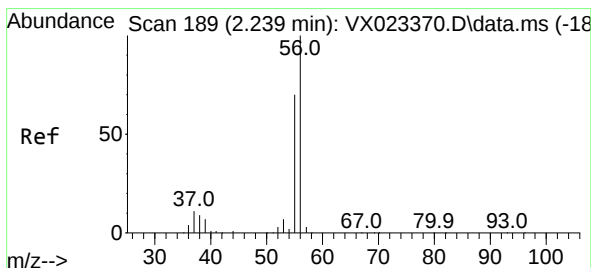
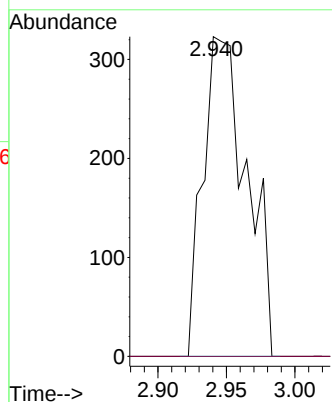
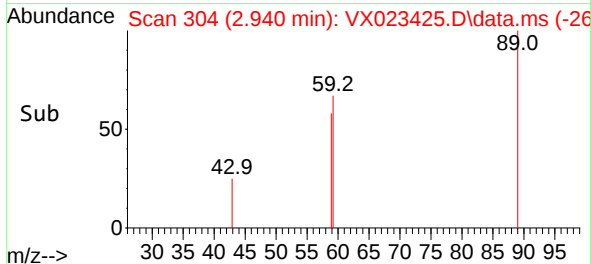
#11

Tert butyl alcohol
 Concen: 1.487 ug/l
 RT: 2.940 min Scan# 304
 Delta R.T. -0.043 min
 Lab File: VX023425.D
 Acq: 23 Jul 2021 15:48

Instrument :
 MSVOA_X
 ClientSampleId :

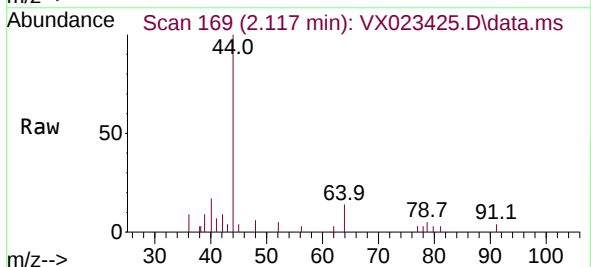


Tgt Ion: 59 Resp: 720
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#

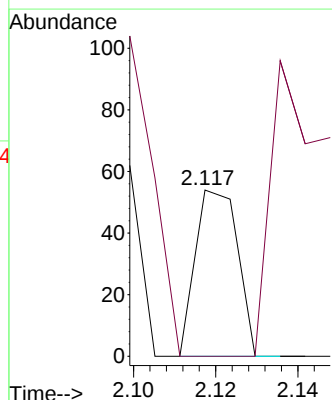
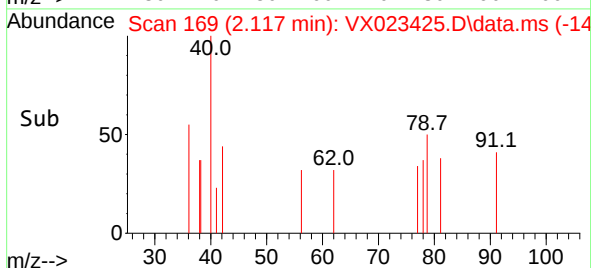


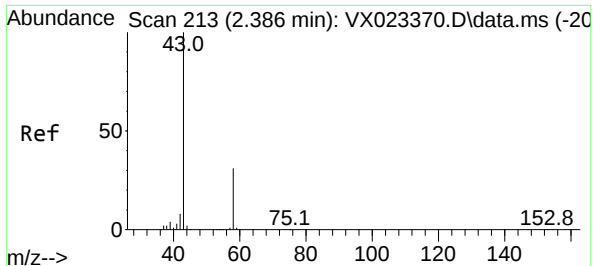
#13

Acrolein
 Concen: 1.517 ug/l
 RT: 2.117 min Scan# 169
 Delta R.T. -0.122 min
 Lab File: VX023425.D
 Acq: 23 Jul 2021 15:48



Tgt Ion: 56 Resp: 38
 Ion Ratio Lower Upper
 56 100
 55 226.3 56.4 84.6#

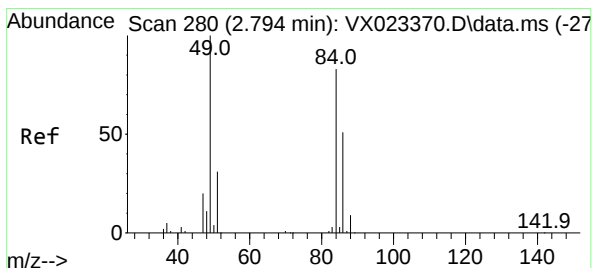
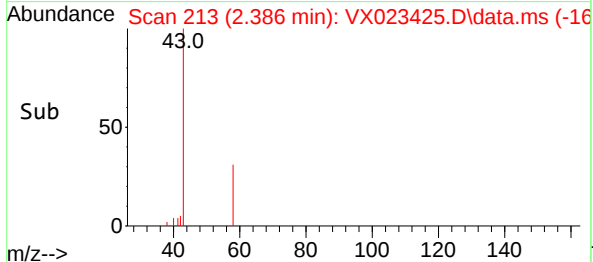
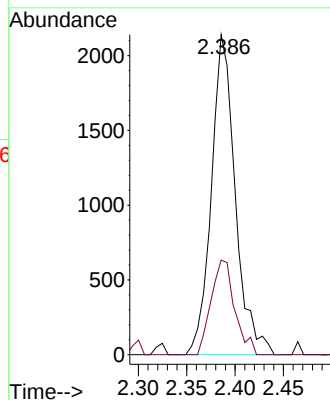
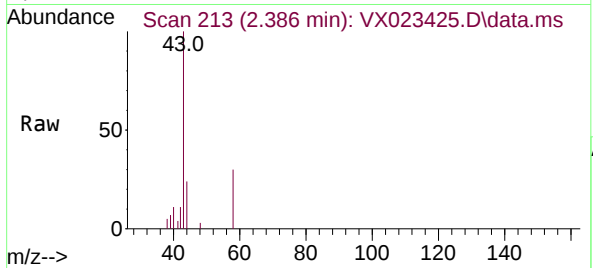




#16
Acetone
Concen: 3.541 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023425.D
Acq: 23 Jul 2021 15:48

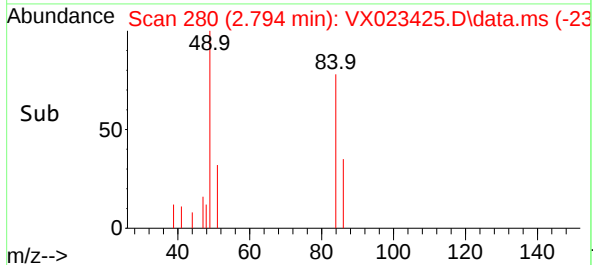
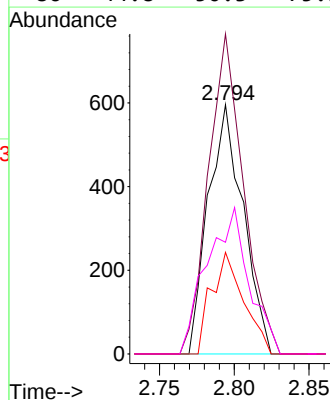
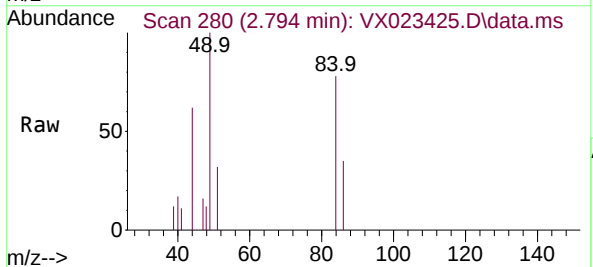
Instrument :
MSVOA_X
ClientSampled :

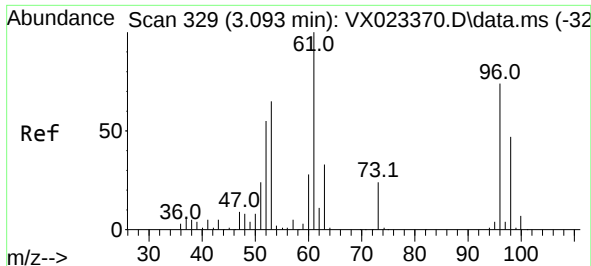
Tgt Ion: 43 Resp: 3681
Ion Ratio Lower Upper
43 100
58 29.6 27.8 41.8



#20
Methylene Chloride
Concen: 0.479 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023425.D
Acq: 23 Jul 2021 15:48

Tgt Ion: 84 Resp: 968
Ion Ratio Lower Upper
84 100
49 128.4 88.6 132.8
51 40.8 27.0 40.6#
86 44.8 50.3 75.5#

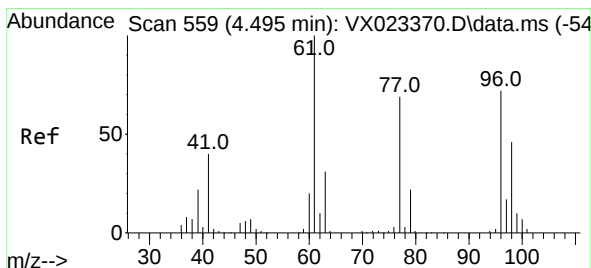
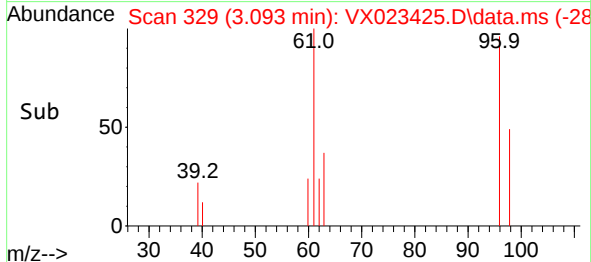
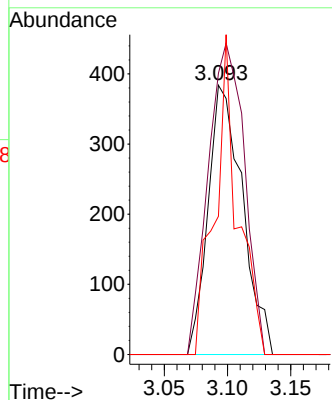
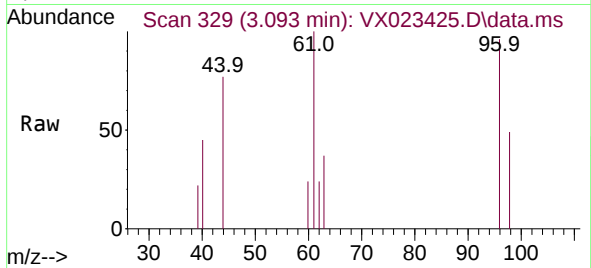




#21
trans-1,2-Dichloroethene
Concen: 0.408 ug/l
RT: 3.093 min Scan# 329
Delta R.T. -0.000 min
Lab File: VX023425.D
Acq: 23 Jul 2021 15:48

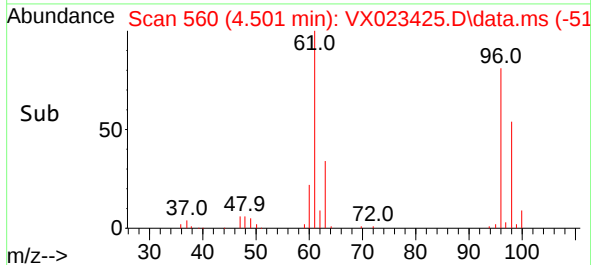
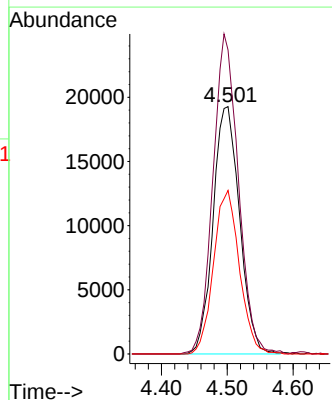
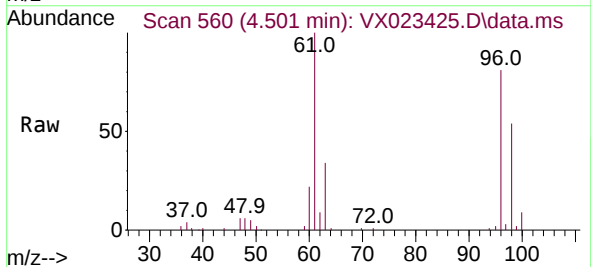
Instrument :
MSVOA_X
ClientSampleId :

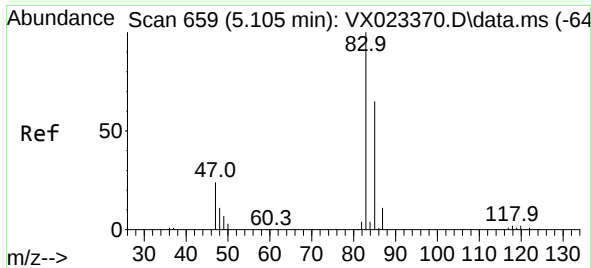
Tgt Ion: 96 Resp: 724
Ion Ratio Lower Upper
96 100
61 104.4 107.7 161.5#
98 51.3 50.4 75.6



#27
cis-1,2-Dichloroethene
Concen: 26.275 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.006 min
Lab File: VX023425.D
Acq: 23 Jul 2021 15:48

Tgt Ion: 96 Resp: 54104
Ion Ratio Lower Upper
96 100
61 124.1 0.0 285.6
98 64.5 0.0 129.6

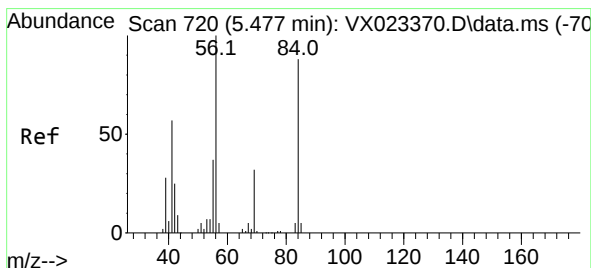
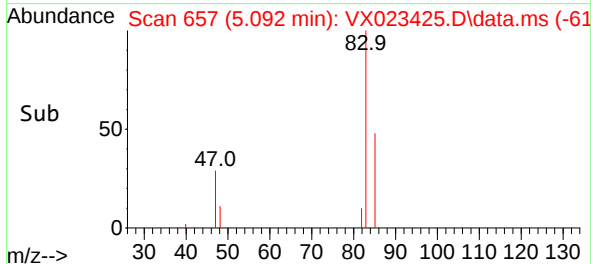
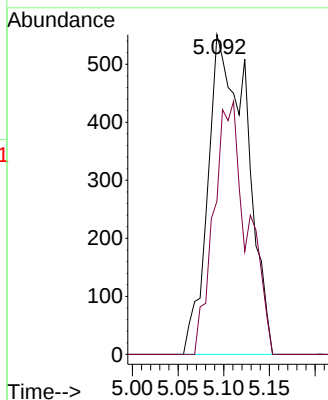
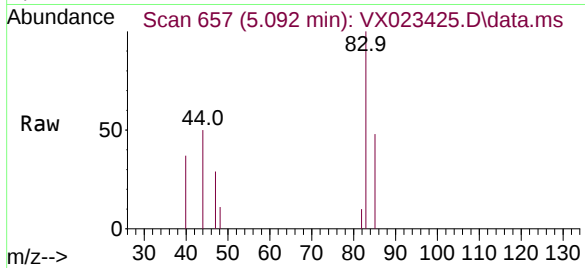




#30
Chloroform
Concen: 0.488 ug/l
RT: 5.092 min Scan# 657
Delta R.T. -0.013 min
Lab File: VX023425.D
Acq: 23 Jul 2021 15:48

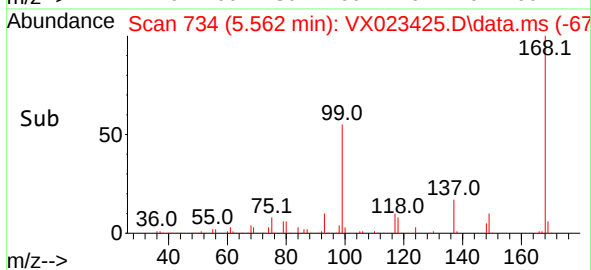
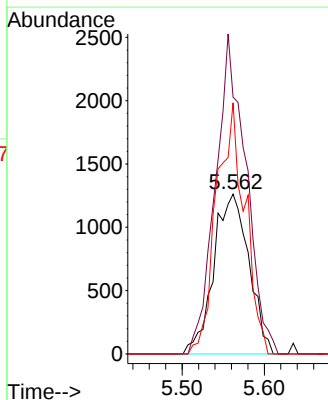
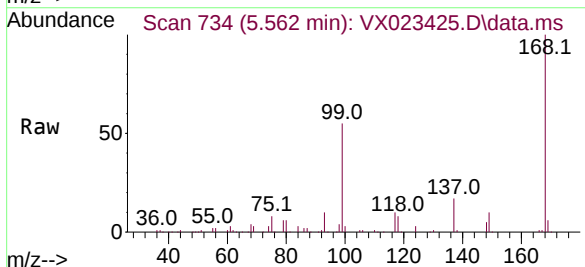
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MSVOA_X
ClientSampleId :

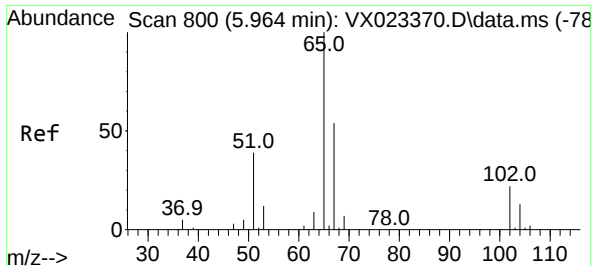
Tgt Ion: 83 Resp: 1643
Ion Ratio Lower Upper
83 100
85 47.9 52.0 78.0#



#31
Cyclohexane
Concen: 1.197 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023425.D
Acq: 23 Jul 2021 15:48

Tgt Ion: 56 Resp: 3757
Ion Ratio Lower Upper
56 100
69 160.7 25.3 37.9#
84 157.2 71.4 107.0#



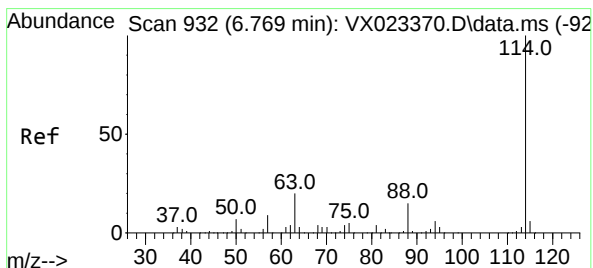
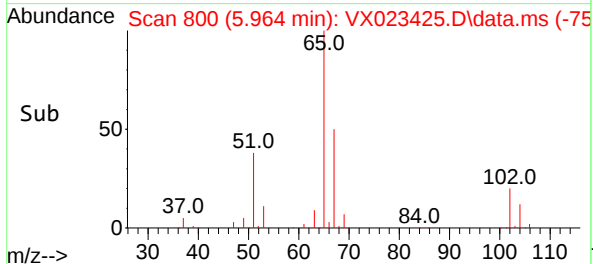
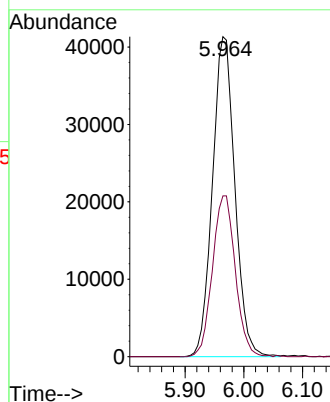
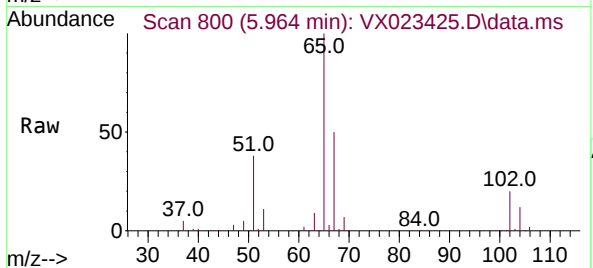


#33

1,2-Dichloroethane-d4
Concen: 51.683 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023425.D
Acq: 23 Jul 2021 15:48

Instrument :
MSVOA_X
ClientSampleId :

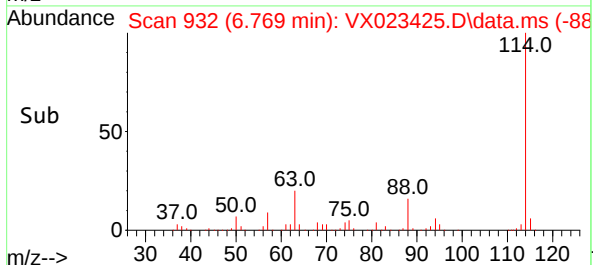
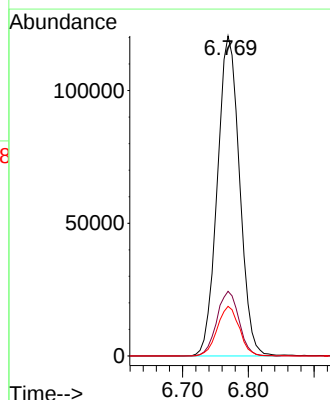
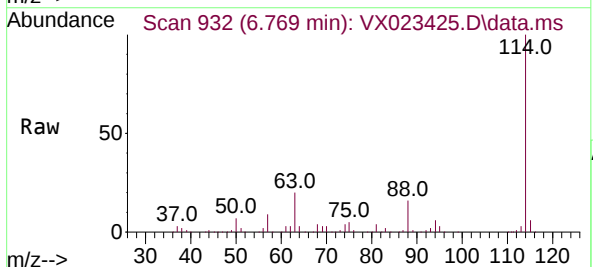
Tgt Ion: 65 Resp: 109514
Ion Ratio Lower Upper
65 100
67 51.2 0.0 105.4

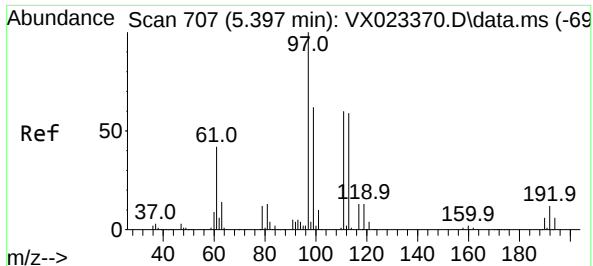


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023425.D
Acq: 23 Jul 2021 15:48

Tgt Ion: 114 Resp: 283476
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.8
88 15.5 0.0 32.8

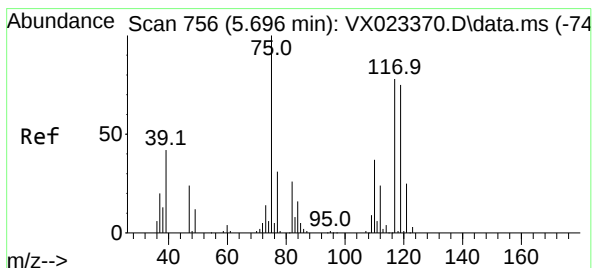
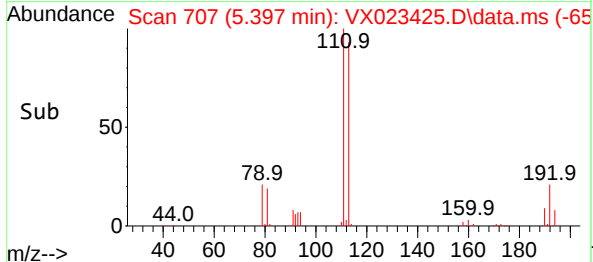
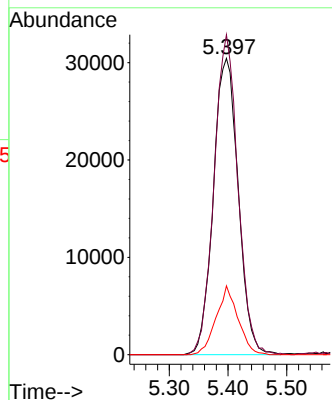
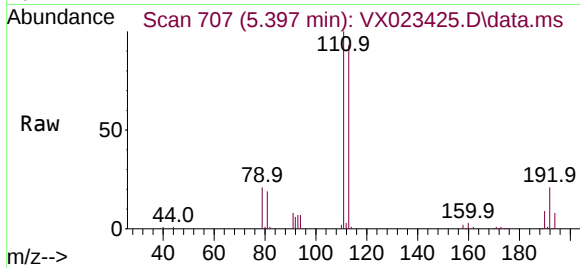




#35
Dibromofluoromethane
Concen: 50.613 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023425.D
Acq: 23 Jul 2021 15:48

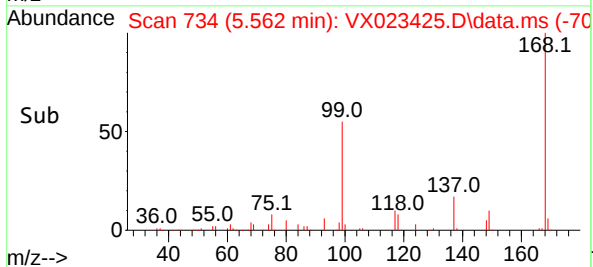
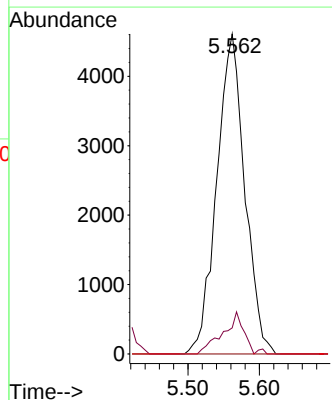
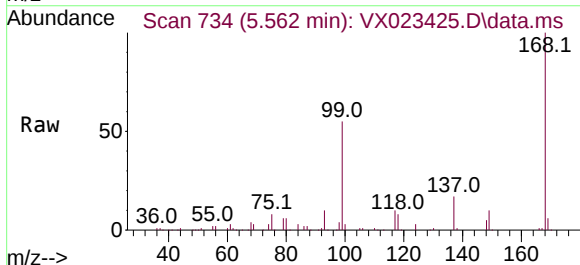
Instrument :
MSVOA_X
ClientSampleId :

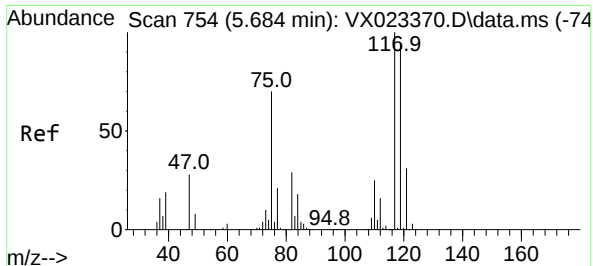
Tgt Ion:113 Resp: 89707
Ion Ratio Lower Upper
113 100
111 103.4 81.9 122.9
192 20.3 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.890 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX023425.D
Acq: 23 Jul 2021 15:48

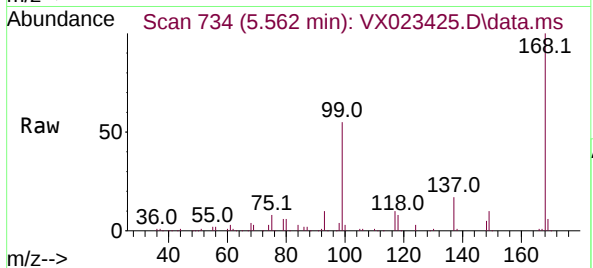
Tgt Ion: 75 Resp: 12540
Ion Ratio Lower Upper
75 100
110 10.0 18.1 54.4#
77 0.0 25.3 37.9#



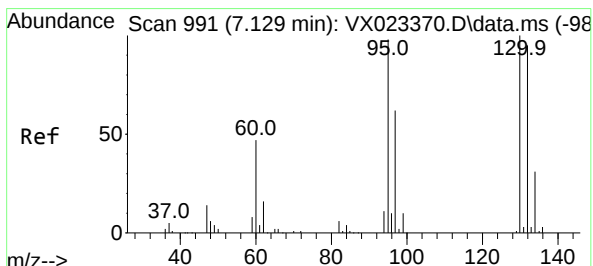
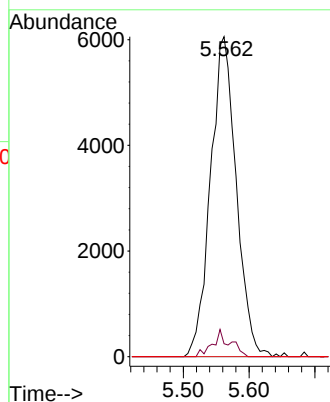
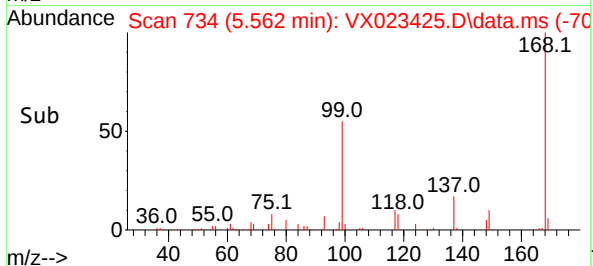


#38
Carbon Tetrachloride
Concen: 6.335 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023425.D
Acq: 23 Jul 2021 15:48

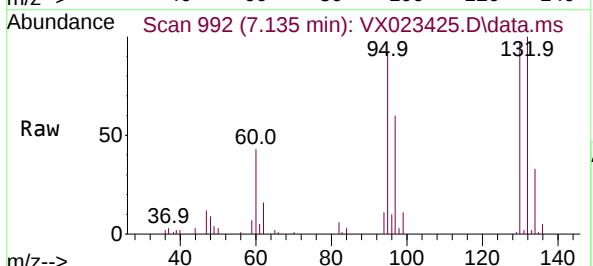
Instrument :
MSVOA_X
ClientSampleId :



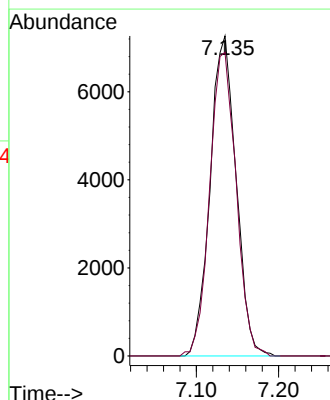
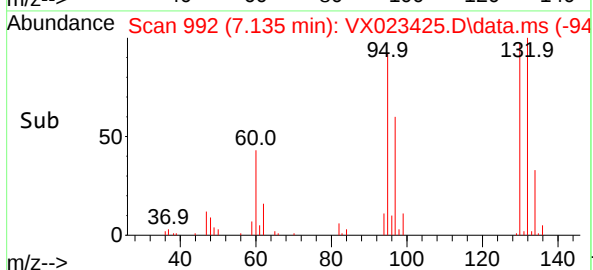
Tgt Ion:117 Resp: 16521
Ion Ratio Lower Upper
117 100
119 4.1 76.2 114.2#
121 0.0 24.8 37.2#

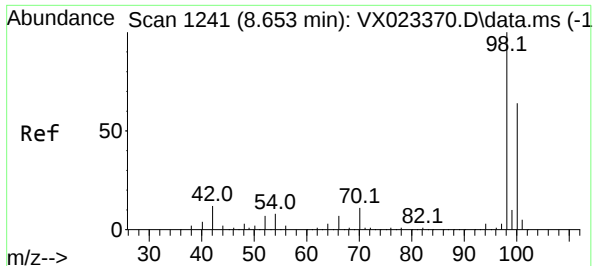


#44
Trichloroethene
Concen: 7.646 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX023425.D
Acq: 23 Jul 2021 15:48



Tgt Ion:130 Resp: 15971
Ion Ratio Lower Upper
130 100
95 94.9 0.0 198.0

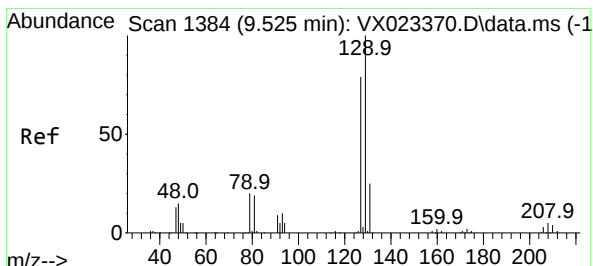
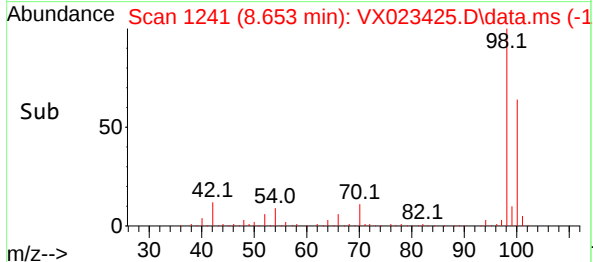
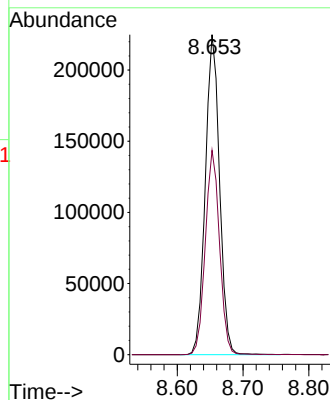
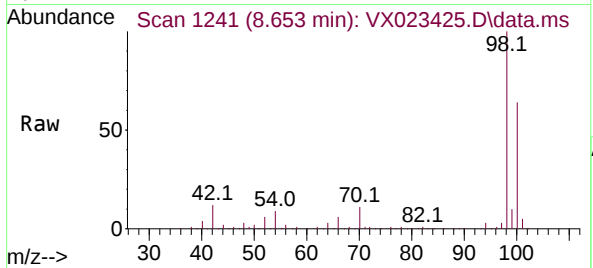




#50
Toluene-d8
Concen: 51.978 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023425.D
Acq: 23 Jul 2021 15:48

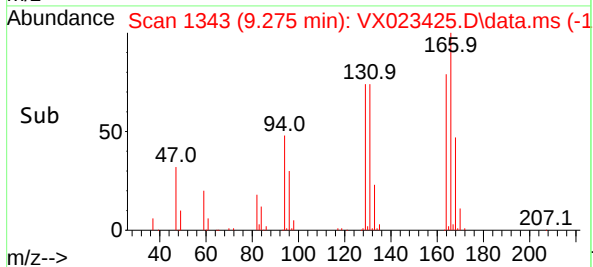
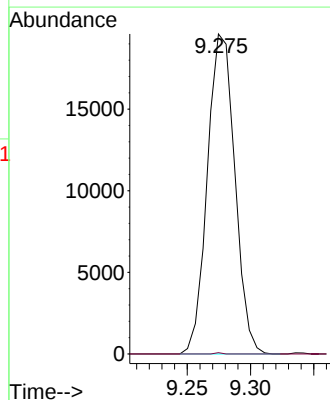
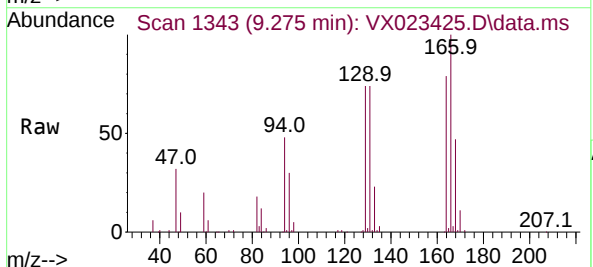
Instrument :
MSVOA_X
ClientSampled :

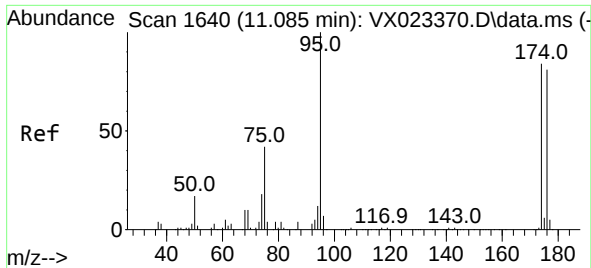
Tgt Ion: 98 Resp: 338479
Ion Ratio Lower Upper
98 100
100 63.7 51.9 77.9



#60
Dibromochloromethane
Concen: 15.447 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX023425.D
Acq: 23 Jul 2021 15:48

Tgt Ion: 129 Resp: 29640
Ion Ratio Lower Upper
129 100
127 0.1 38.4 115.2#

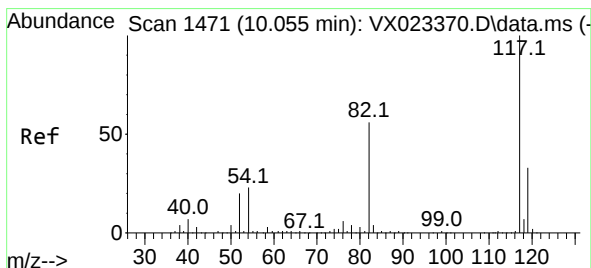
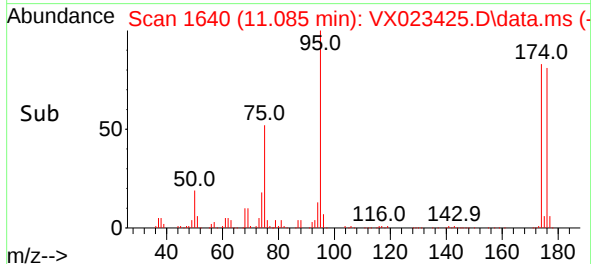
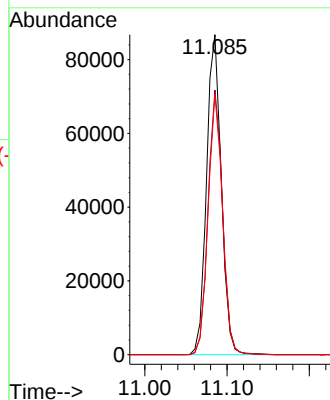
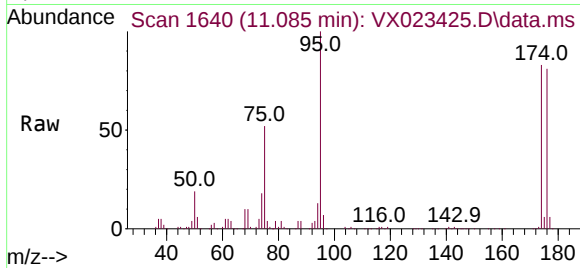




#62
4-Bromofluorobenzene
Concen: 48.802 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023425.D
Acq: 23 Jul 2021 15:48

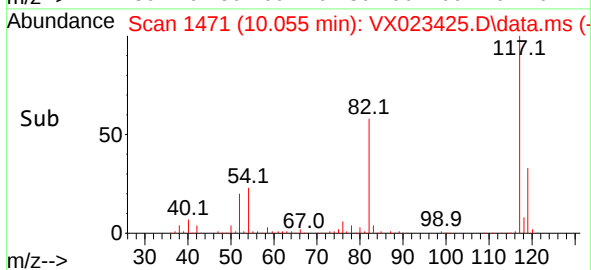
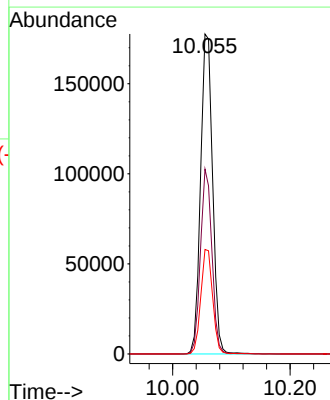
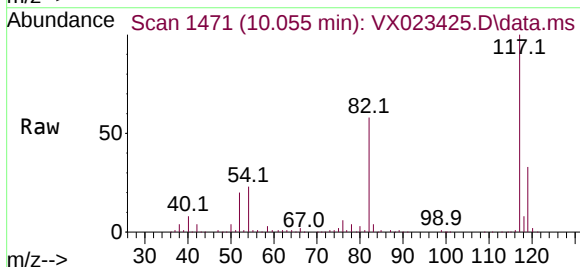
Instrument :
MSVOA_X
ClientSampleId :

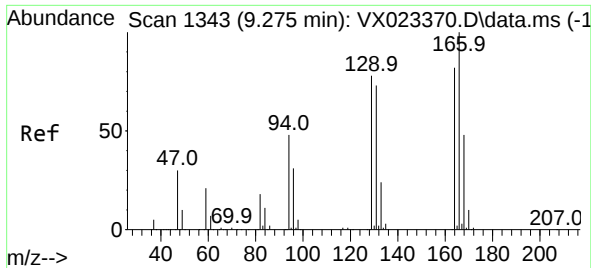
Tgt Ion: 95 Resp: 108064
Ion Ratio Lower Upper
95 100
174 81.4 0.0 154.6
176 79.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX023425.D
Acq: 23 Jul 2021 15:48

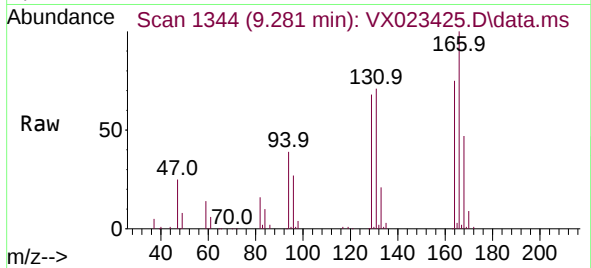
Tgt Ion: 117 Resp: 251372
Ion Ratio Lower Upper
117 100
82 57.8 47.4 71.2
119 32.6 26.6 39.8



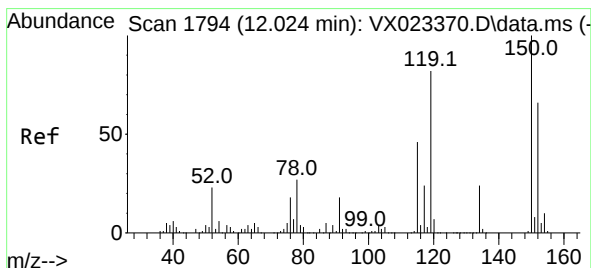
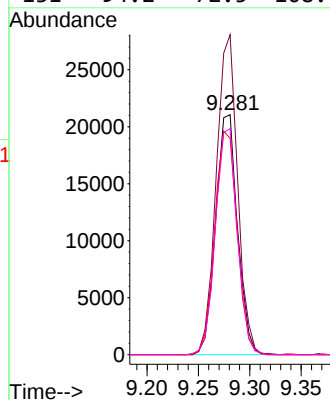
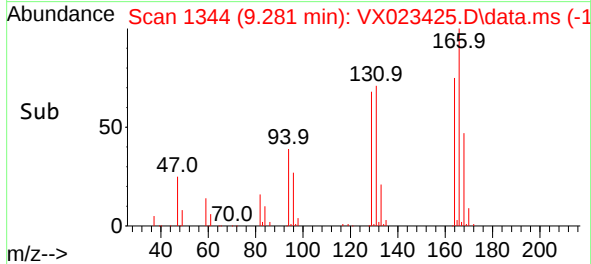


#64
Tetrachloroethene
Concen: 15.500 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX023425.D
Acq: 23 Jul 2021 15:48

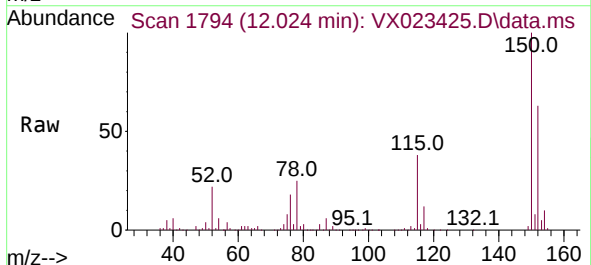
Instrument :
MSVOA_X
ClientSampleId :



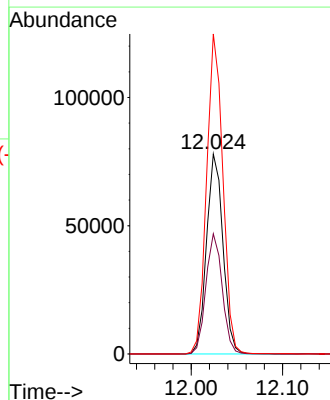
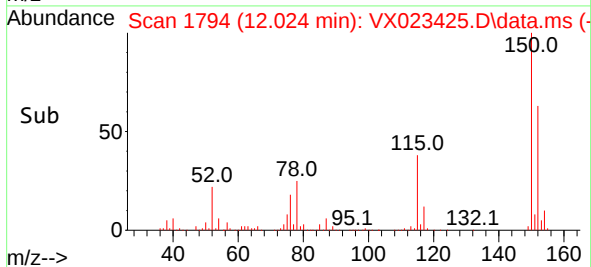
Tgt Ion:164 Resp: 31010
Ion Ratio Lower Upper
164 100
166 133.4 103.4 155.2
129 90.2 70.8 106.2
131 94.2 72.5 108.7

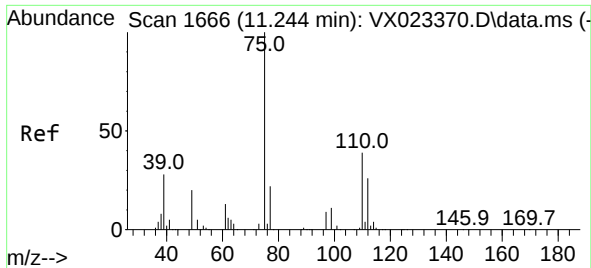


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023425.D
Acq: 23 Jul 2021 15:48



Tgt Ion:152 Resp: 96871
Ion Ratio Lower Upper
152 100
115 59.9 41.1 123.3
150 158.2 0.0 349.0

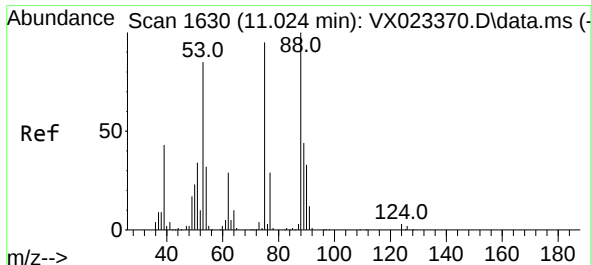
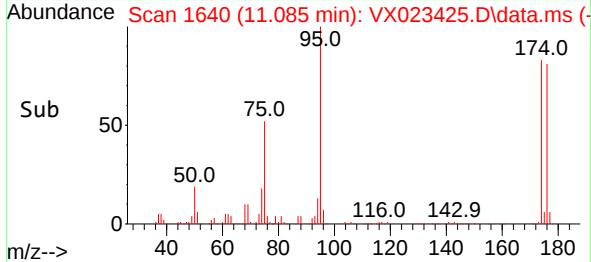
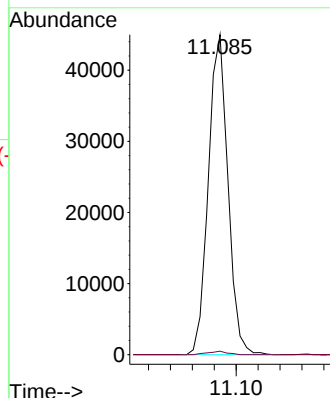
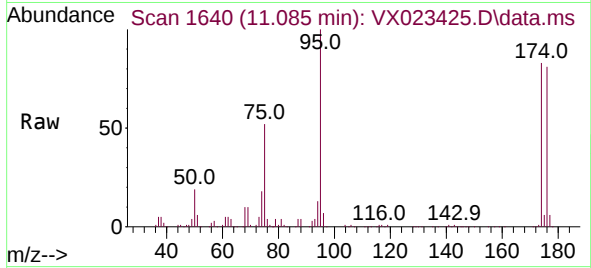




#76
1,2,3-Trichloropropane
Concen: 26.147 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023425.D
Acq: 23 Jul 2021 15:48

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 55738
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.306 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023425.D
Acq: 23 Jul 2021 15:48

Tgt Ion: 75 Resp: 55738
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

