

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072621\
 Data File : VX023459.D
 Acq On : 26 Jul 2021 18:23
 Operator : JC/MD
 Sample : M3146-10 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 27 03:29:12 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)

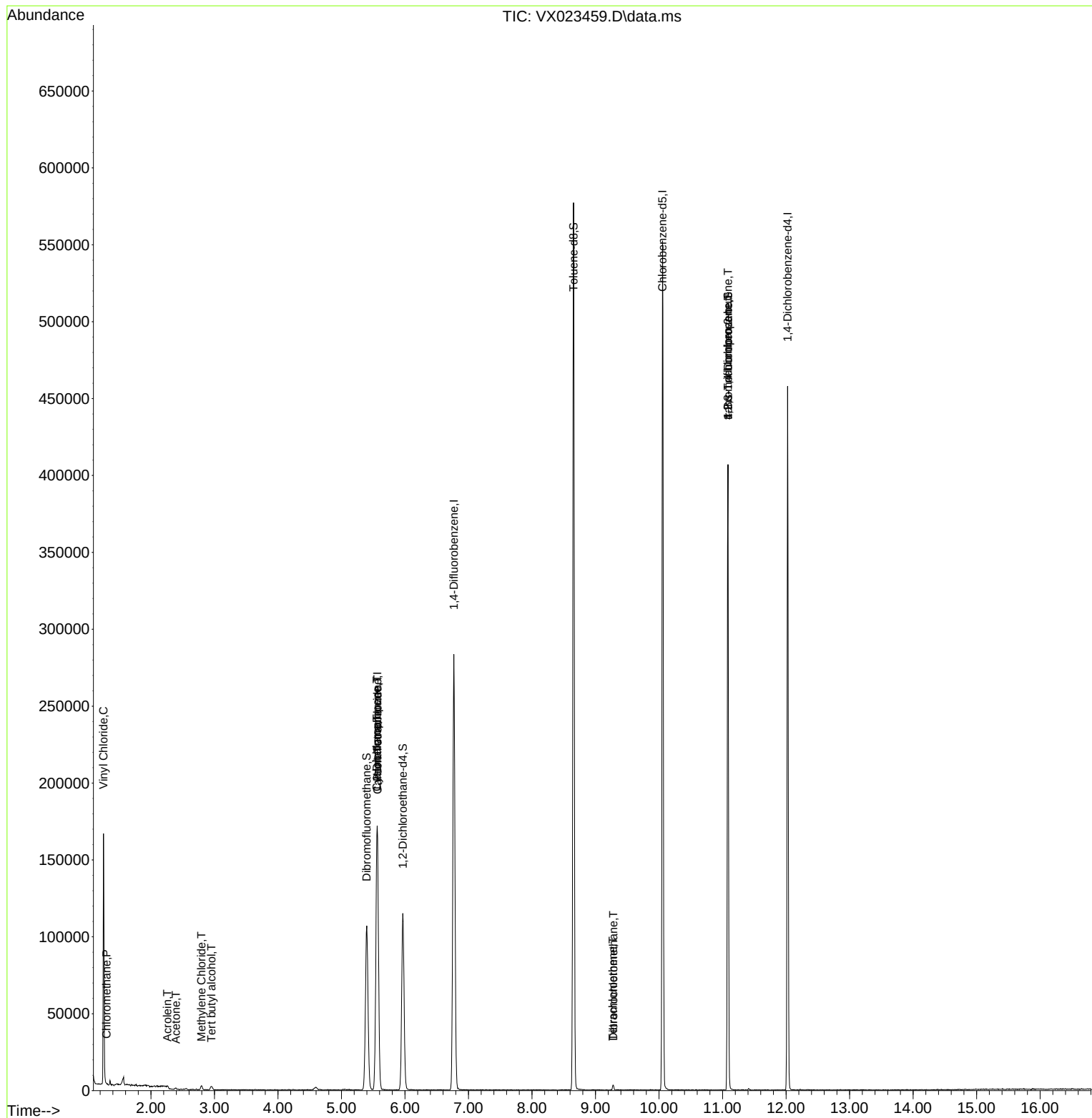
Internal Standards						
1) Pentafluorobenzene	5.562	168	166542	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	283111	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	244002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91895	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	108423	52.19	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	104.38%
35) Dibromofluoromethane	5.397	113	89641	50.64	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.28%
50) Toluene-d8	8.653	98	336009	51.67	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	103.34%
62) 4-Bromofluorobenzene	11.085	95	102990	46.57	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.14%
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	387	0.22	ug/l #	84
4) Vinyl Chloride	1.252	62	1258	0.70	ug/l #	77
11) Tert butyl alcohol	2.953	59	1561	3.29	ug/l #	73
13) Acrolein	2.257	56	109	1.81	ug/l #	1
16) Acetone	2.392	43	944	0.93	ug/l #	81
20) Methylene Chloride	2.794	84	1262	0.64	ug/l	94
31) Cyclohexane	5.556	56	3503	1.14	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	12342	4.82	ug/l #	49
38) Carbon Tetrachloride	5.568	117	16712	6.42	ug/l #	15
60) Dibromochloromethane	9.281	129	668	2.29	ug/l #	11
64) Tetrachloroethene	9.275	164	523	0.27	ug/l #	88
76) 1,2,3-Trichloropropane	11.085	75	52761	26.09	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	52761	70.15	ug/l #	12

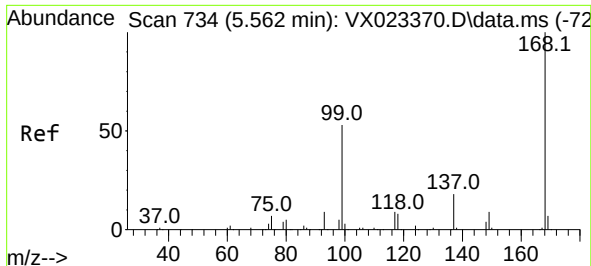
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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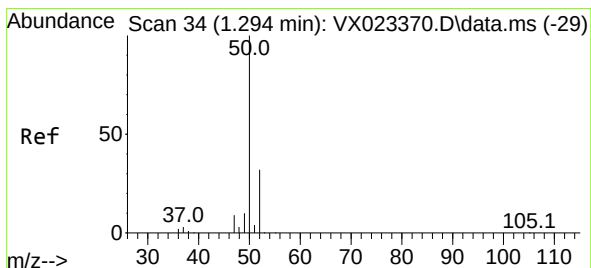
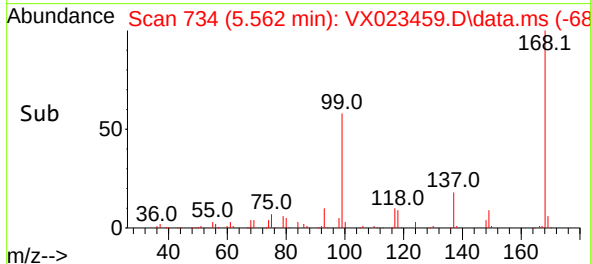
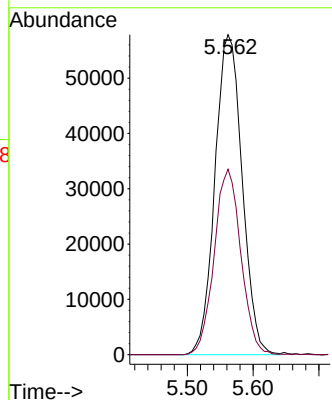
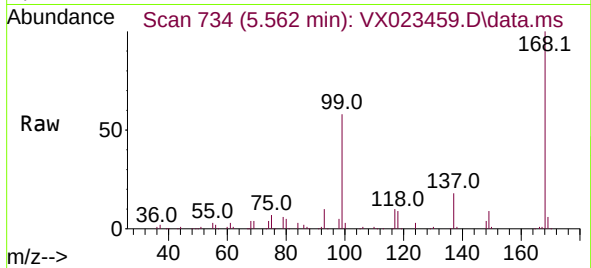




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023459.D
Acq: 26 Jul 2021 18:23

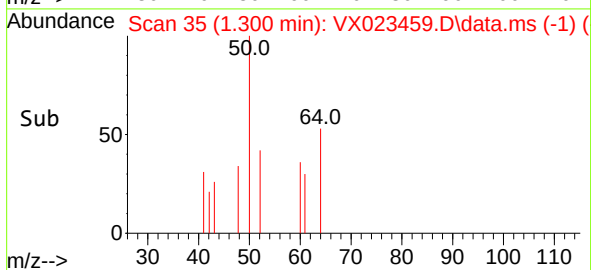
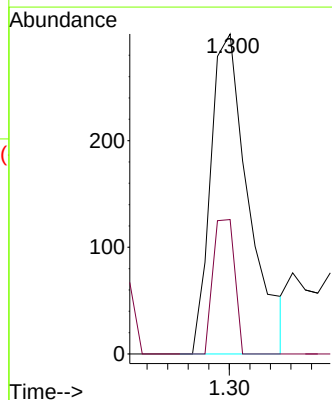
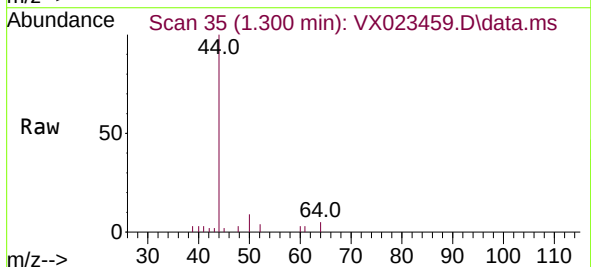
Instrument :
MSVOA_X
ClientSampleId :

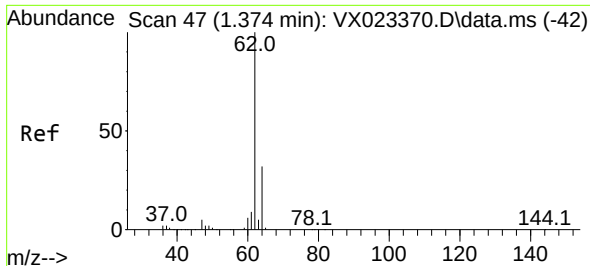
Tgt Ion:168 Resp: 166542
Ion Ratio Lower Upper
168 100
99 57.9 45.8 68.6



#3
Chloromethane
Concen: 0.22 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX023459.D
Acq: 26 Jul 2021 18:23

Tgt Ion: 50 Resp: 387
Ion Ratio Lower Upper
50 100
52 42.0 26.4 39.6#

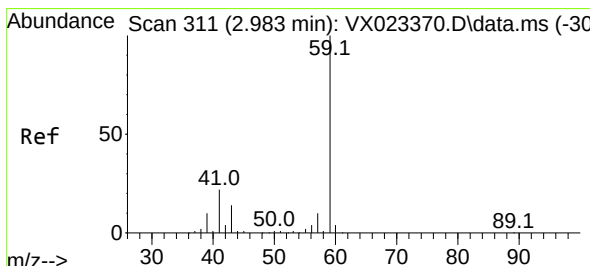
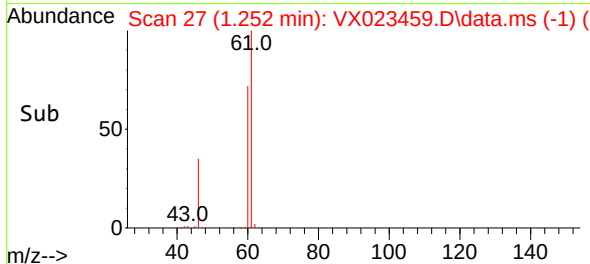
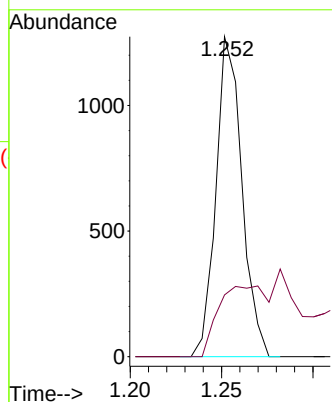
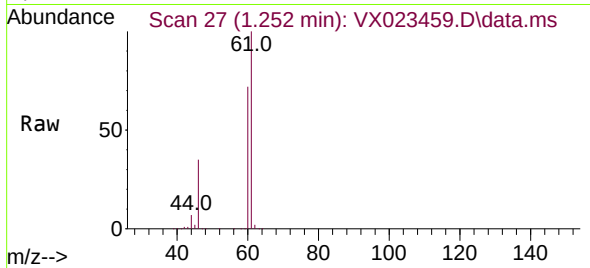




#4
 Vinyl Chloride
 Concen: 0.70 ug/l
 RT: 1.252 min Scan# 27
 Delta R.T. -0.122 min
 Lab File: VX023459.D
 Acq: 26 Jul 2021 18:23

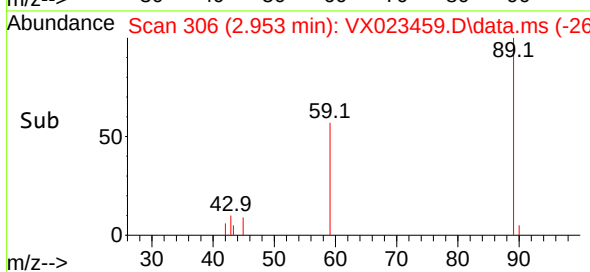
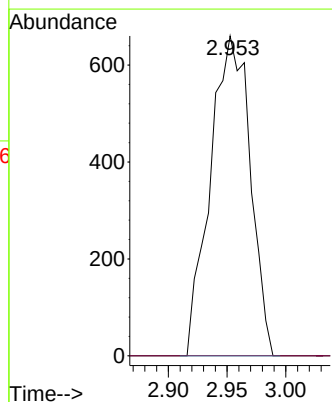
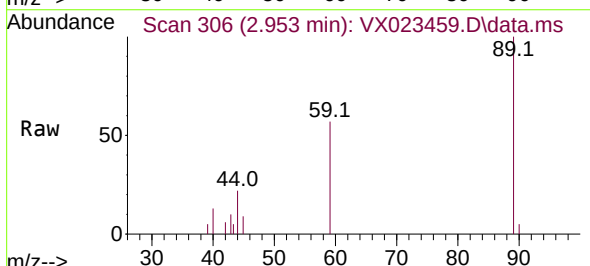
Instrument :
 MSVOA_X
 ClientSampled :

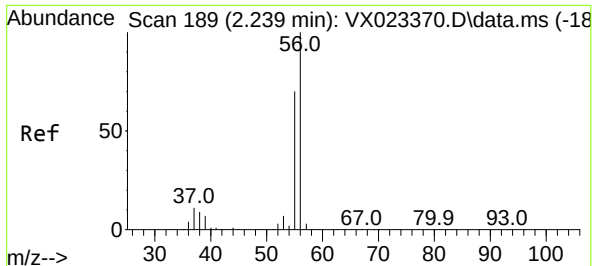
Tgt Ion: 62 Resp: 1258
 Ion Ratio Lower Upper
 62 100
 64 19.3 25.7 38.5#



#11
 Tert butyl alcohol
 Concen: 3.29 ug/l
 RT: 2.953 min Scan# 306
 Delta R.T. -0.030 min
 Lab File: VX023459.D
 Acq: 26 Jul 2021 18:23

Tgt Ion: 59 Resp: 1561
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#

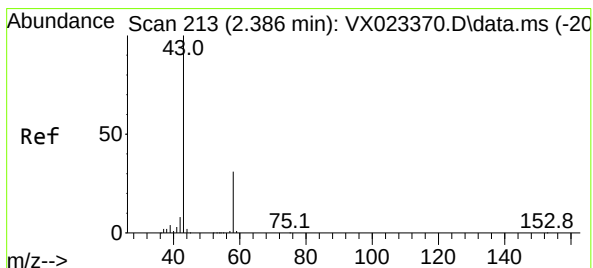
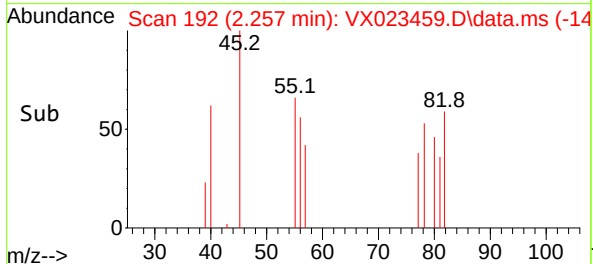
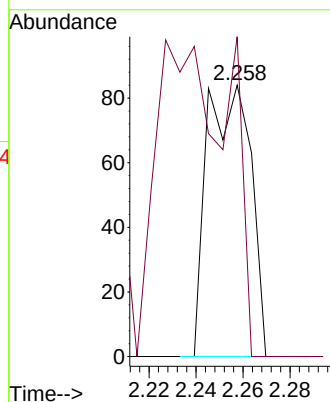
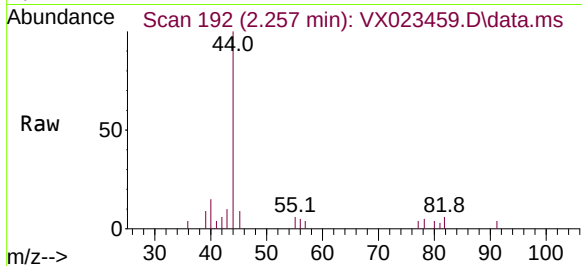




#13
Acrolein
Concen: 1.81 ug/l
RT: 2.257 min Scan# 192
Delta R.T. 0.018 min
Lab File: VX023459.D
Acq: 26 Jul 2021 18:23

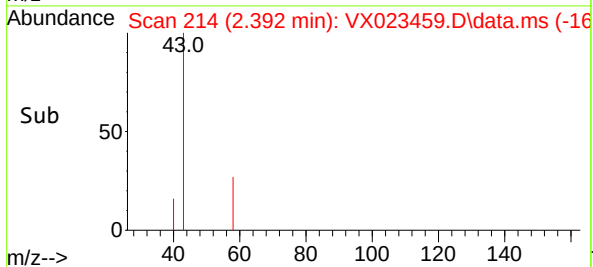
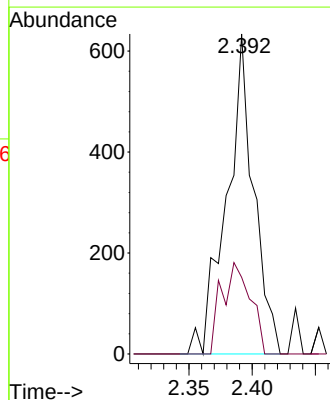
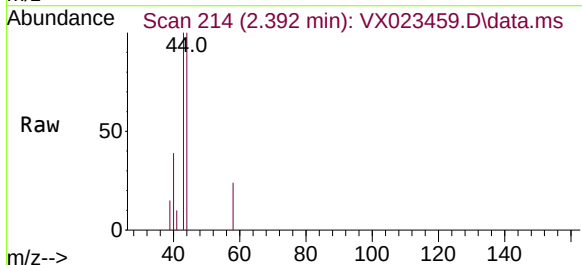
Instrument :
MSVOA_X
ClientSampled :

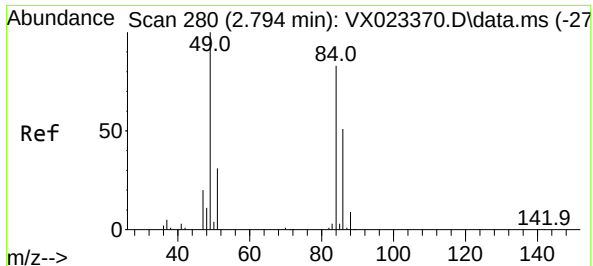
Tgt Ion: 56 Resp: 109
Ion Ratio Lower Upper
56 100
55 189.9 56.4 84.6#



#16
Acetone
Concen: 0.93 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX023459.D
Acq: 26 Jul 2021 18:23

Tgt Ion: 43 Resp: 944
Ion Ratio Lower Upper
43 100
58 24.0 27.8 41.8#

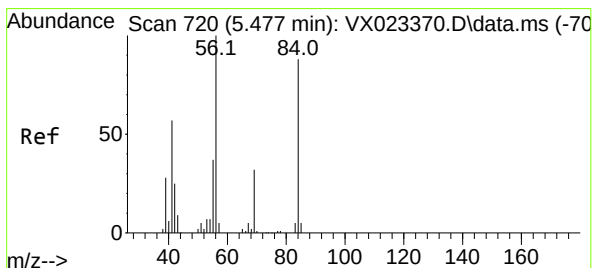
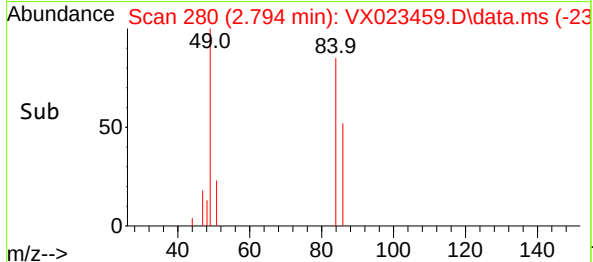
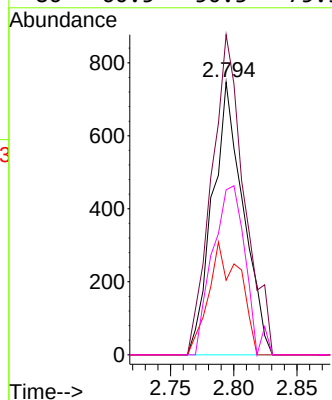
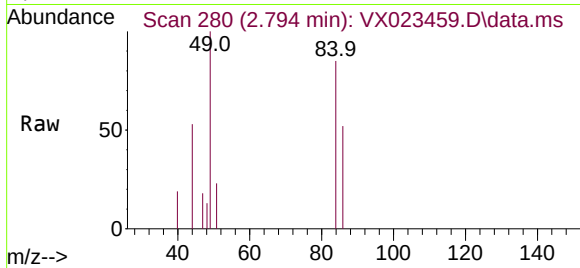




#20
Methylene Chloride
Concen: 0.64 ug/l
RT: 2.794 min Scan# 280
Delta R.T. -0.000 min
Lab File: VX023459.D
Acq: 26 Jul 2021 18:23

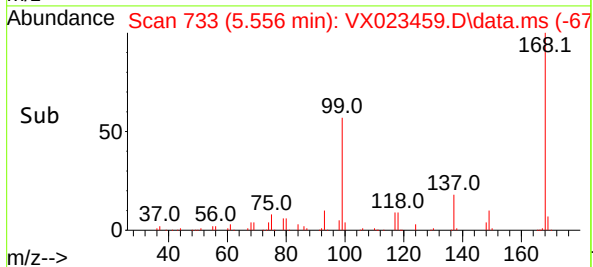
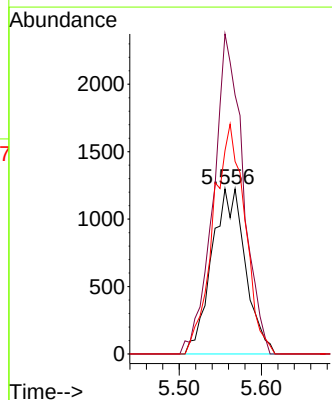
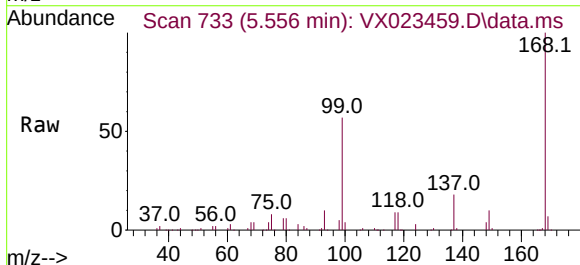
Instrument :
MSVOA_X
ClientSampled :

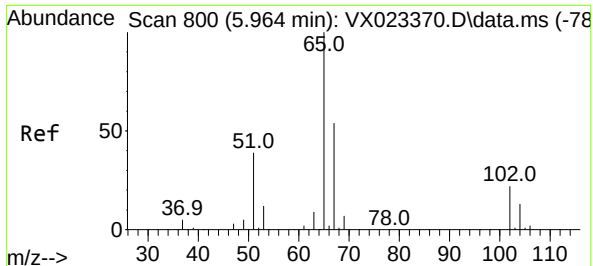
Tgt Ion:	84	Resp:	1262
Ion	Ratio	Lower	Upper
84	100		
49	117.4	88.6	132.8
51	27.3	27.0	40.6
86	60.5	50.3	75.5



#31
Cyclohexane
Concen: 1.14 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX023459.D
Acq: 26 Jul 2021 18:23

Tgt Ion:	56	Resp:	3503
Ion	Ratio	Lower	Upper
56	100		
69	193.7	25.3	37.9#
84	123.1	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 52.19 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX023459.D

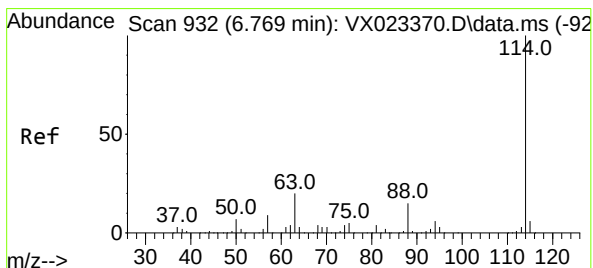
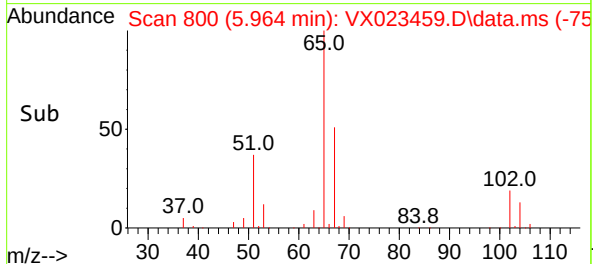
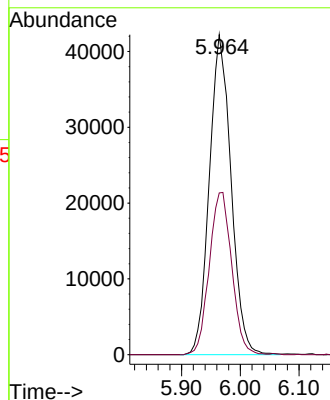
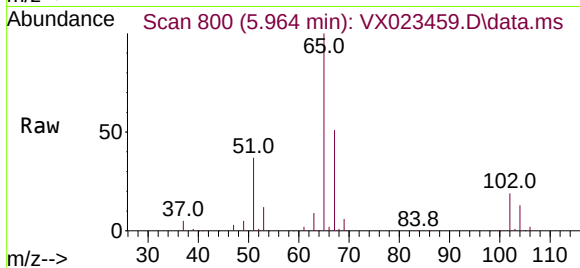
Acq: 26 Jul 2021 18:23

Tgt Ion: 65 Resp: 108423

Ion Ratio Lower Upper

65 100

67 52.4 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX023459.D

Acq: 26 Jul 2021 18:23

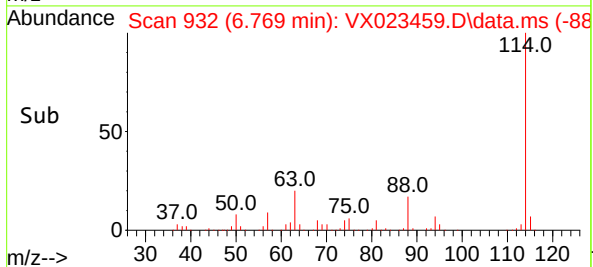
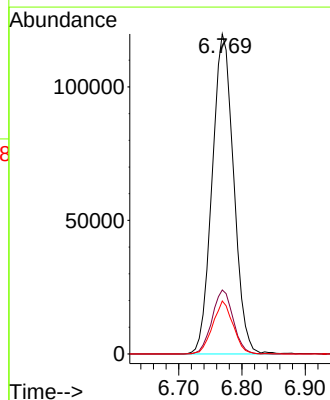
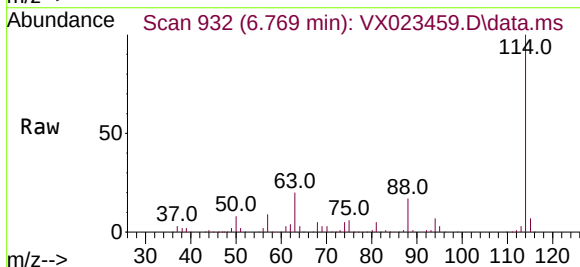
Tgt Ion: 114 Resp: 283111

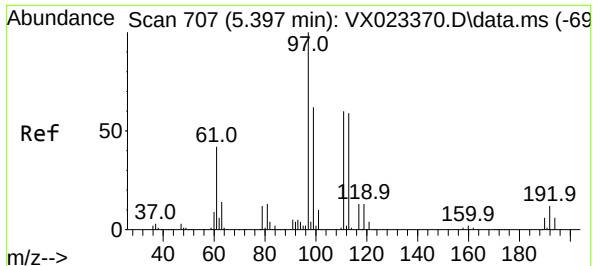
Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.8

88 16.6 0.0 32.8

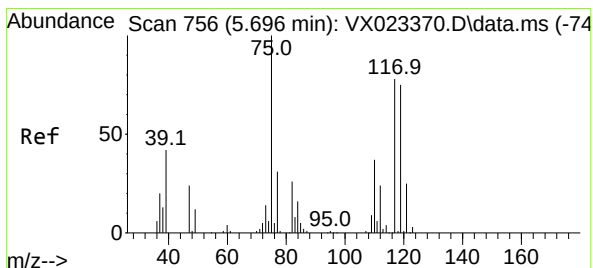
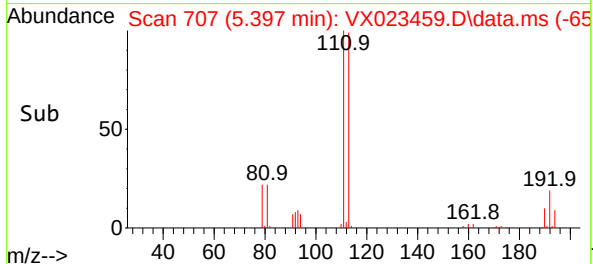
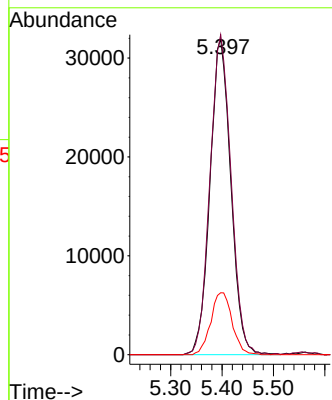
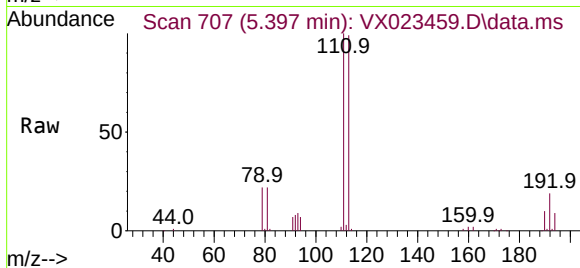




#35
Dibromofluoromethane
Concen: 50.64 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023459.D
Acq: 26 Jul 2021 18:23

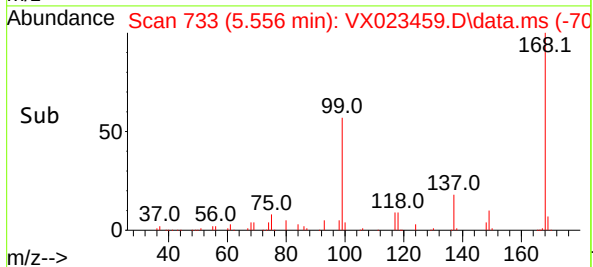
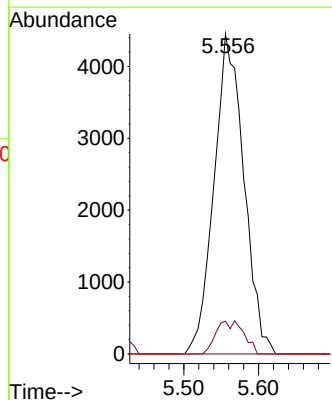
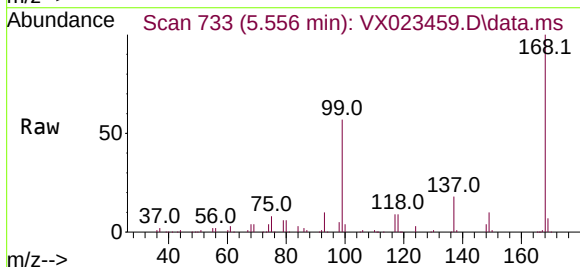
Instrument :
MSVOA_X
ClientSampleId :

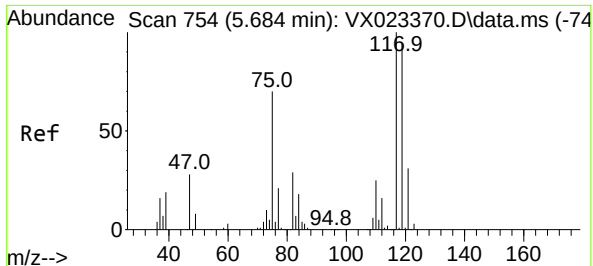
Tgt Ion:113 Resp: 89641
Ion Ratio Lower Upper
113 100
111 102.9 81.9 122.9
192 20.1 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.82 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX023459.D
Acq: 26 Jul 2021 18:23

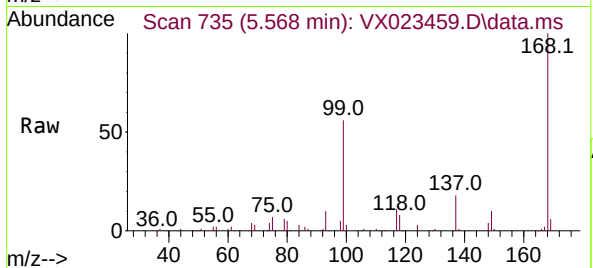
Tgt Ion: 75 Resp: 12342
Ion Ratio Lower Upper
75 100
110 9.6 18.1 54.4#
77 0.0 25.3 37.9#



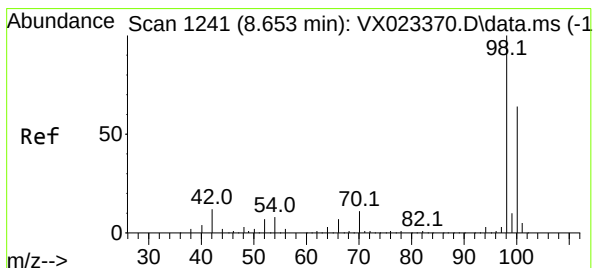
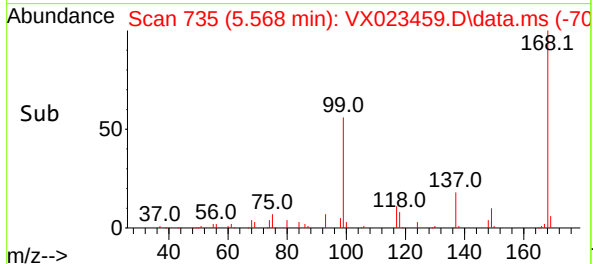
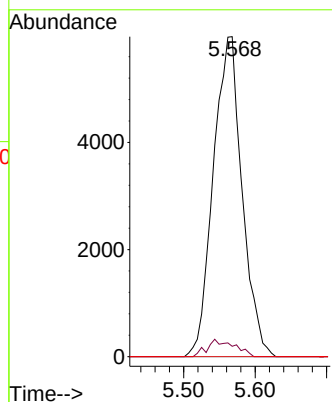


#38
Carbon Tetrachloride
Concen: 6.42 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.116 min
Lab File: VX023459.D
Acq: 26 Jul 2021 18:23

Instrument :
MSVOA_X
ClientSampleId :

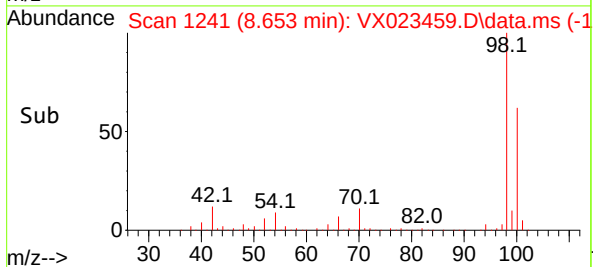
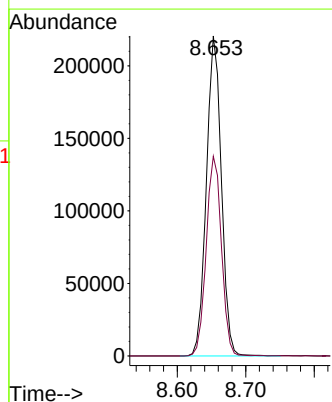
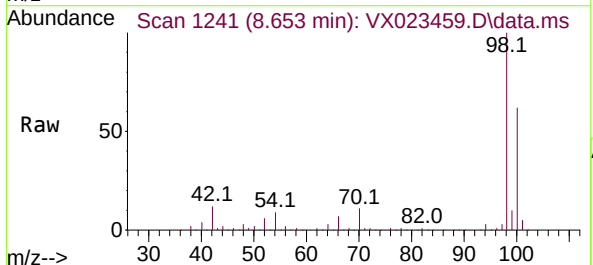


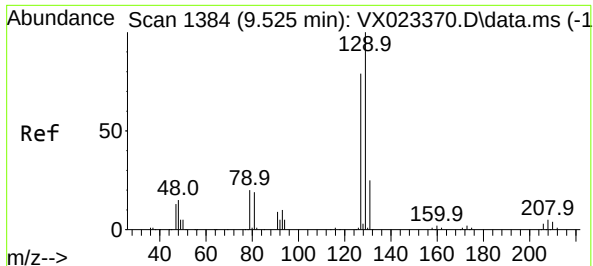
Tgt Ion:117 Resp: 16712
Ion Ratio Lower Upper
117 100
119 3.2 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 51.67 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023459.D
Acq: 26 Jul 2021 18:23

Tgt Ion: 98 Resp: 336009
Ion Ratio Lower Upper
98 100
100 63.4 51.9 77.9

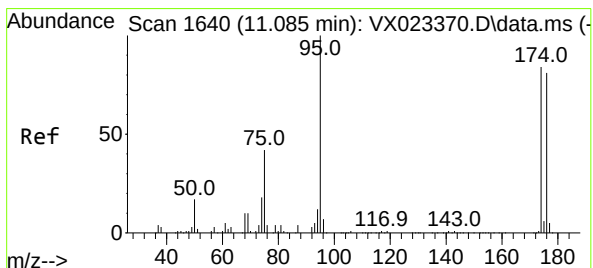
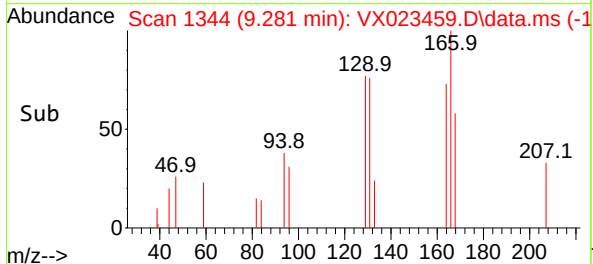
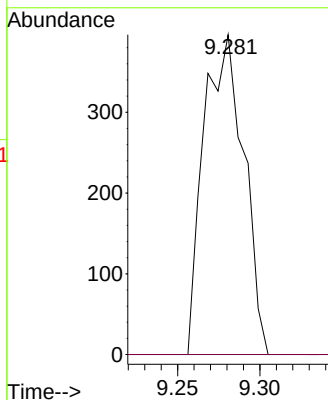
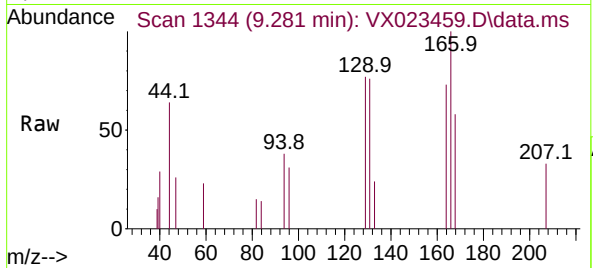




#60
Dibromochloromethane
Concen: 2.29 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX023459.D
Acq: 26 Jul 2021 18:23

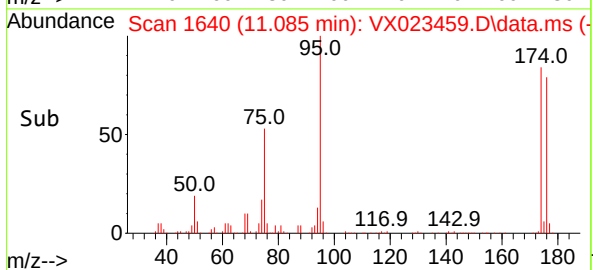
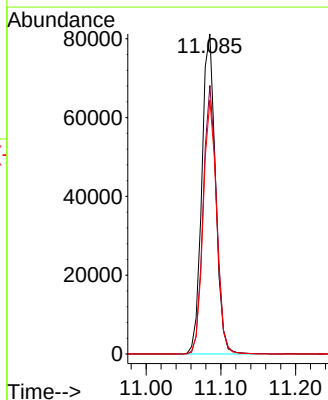
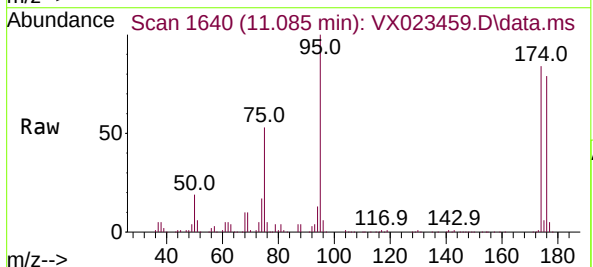
Instrument :
MSVOA_X
ClientSampleId :

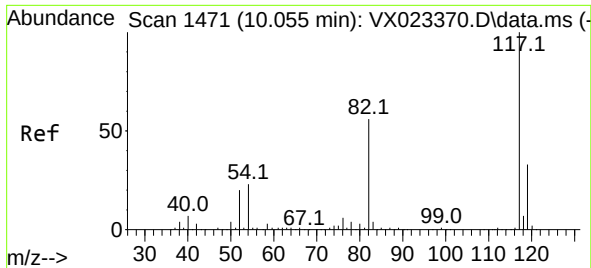
Tgt Ion:129 Resp: 668
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 46.57 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023459.D
Acq: 26 Jul 2021 18:23

Tgt Ion: 95 Resp: 102990
Ion Ratio Lower Upper
95 100
174 82.4 0.0 154.6
176 78.1 0.0 155.8

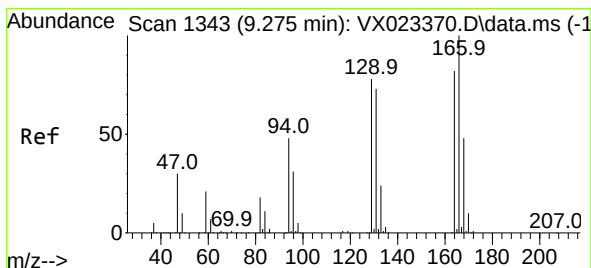
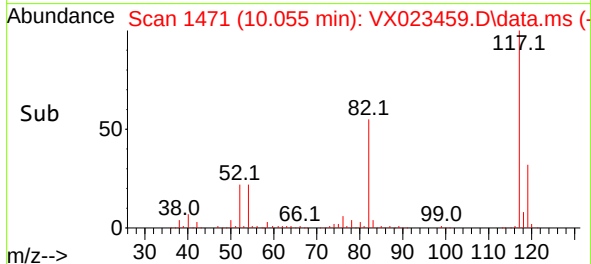
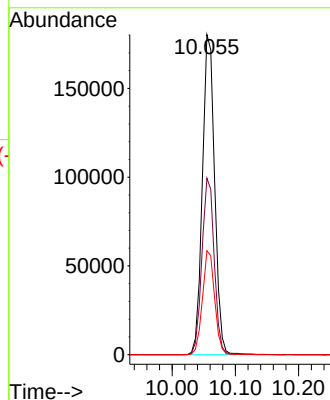
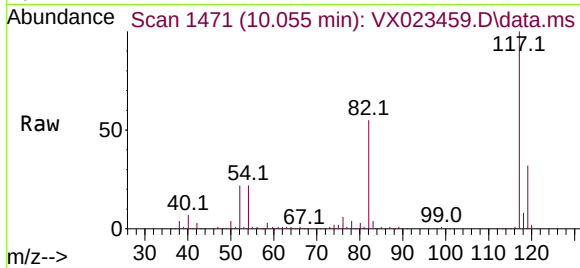




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX023459.D
Acq: 26 Jul 2021 18:23

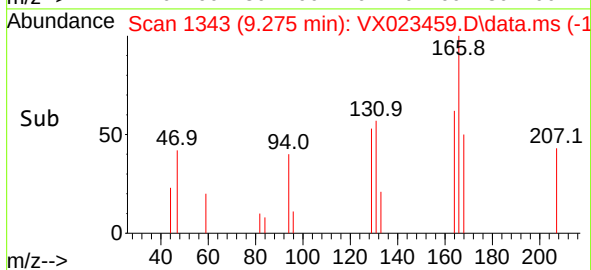
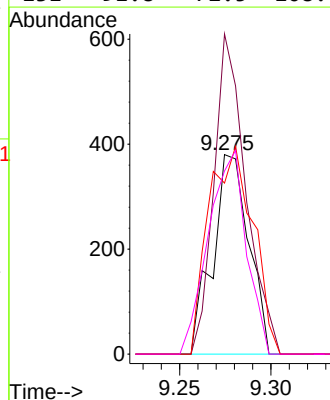
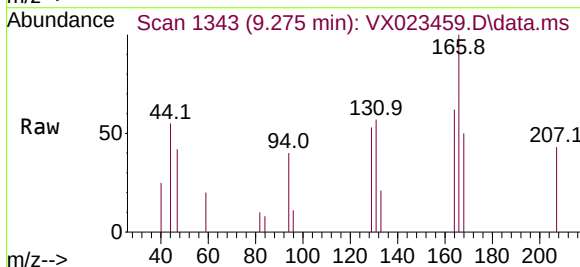
Instrument :
MSVOA_X
ClientSampleId :

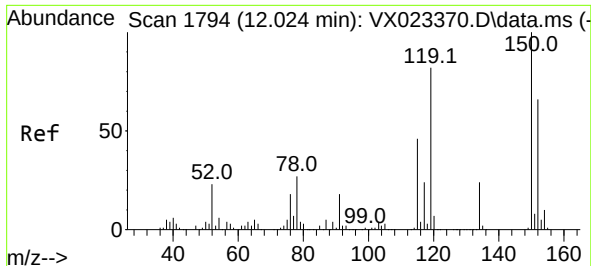
Tgt Ion:117 Resp: 244002
Ion Ratio Lower Upper
117 100
82 55.2 47.4 71.2
119 32.5 26.6 39.8



#64
Tetrachloroethene
Concen: 0.27 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX023459.D
Acq: 26 Jul 2021 18:23

Tgt Ion:164 Resp: 523
Ion Ratio Lower Upper
164 100
166 160.5 103.4 155.2#
129 85.8 70.8 106.2
131 91.8 72.5 108.7

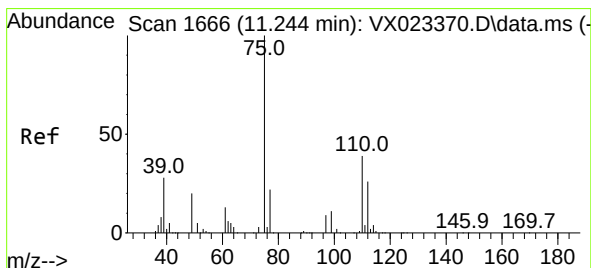
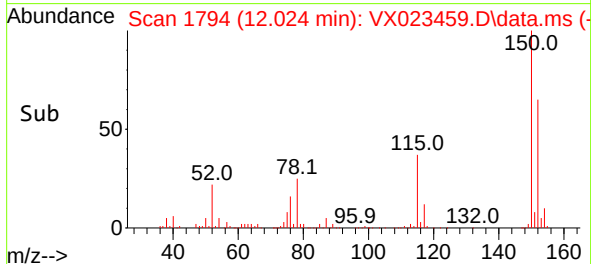
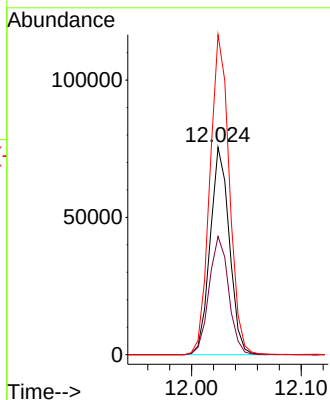
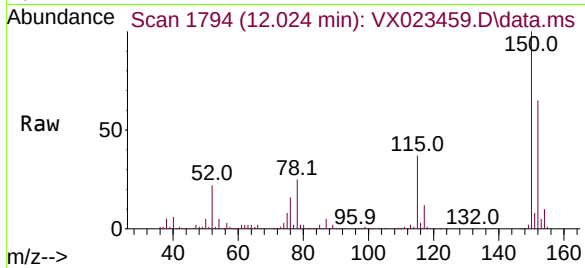




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023459.D
 Acq: 26 Jul 2021 18:23

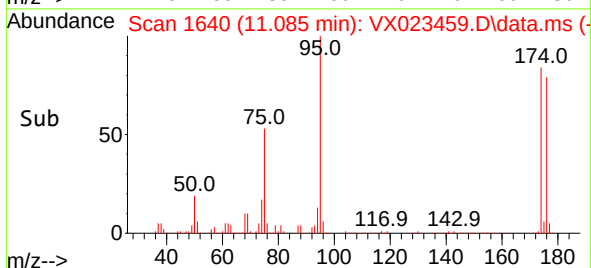
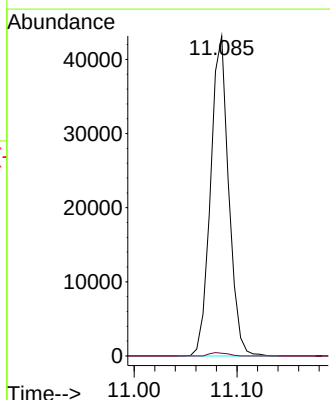
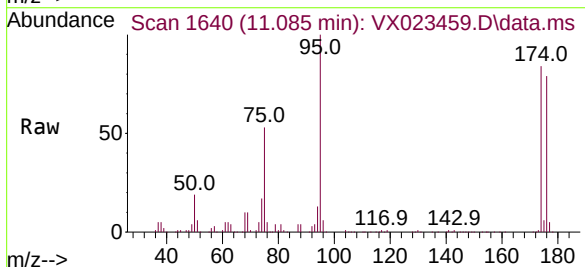
Instrument :
 MSVOA_X
 ClientSampled :

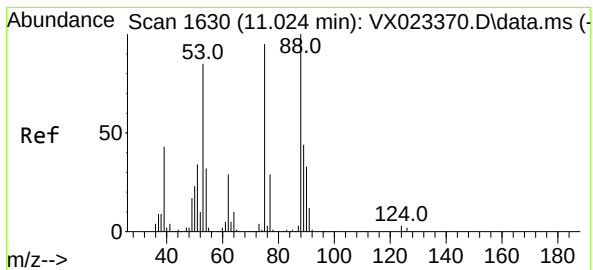
Tgt Ion:152 Resp: 91895
 Ion Ratio Lower Upper
 152 100
 115 58.1 41.1 123.3
 150 156.6 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.09 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023459.D
 Acq: 26 Jul 2021 18:23

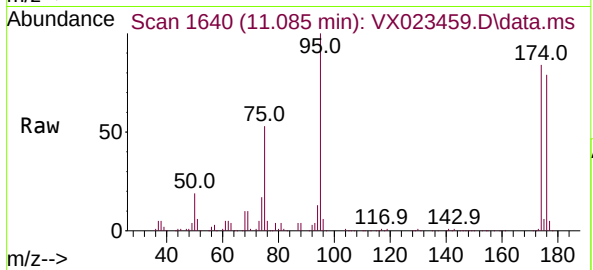
Tgt Ion: 75 Resp: 52761
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.15 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX023459.D
 Acq: 26 Jul 2021 18:23

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	75	Resp:	52761
Ion	Ratio	Lower	Upper
75	100		
53	0.0	74.5	111.7#
89	0.0	37.9	56.9#

