

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072721\
 Data File : VX023479.D
 Acq On : 27 Jul 2021 16:00
 Operator : JC/MD
 Sample : M3146-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 28 00:51:54 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	162534	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	275732	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	245574	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93910	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	106880	52.716	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 105.440%	
35) Dibromofluoromethane	5.397	113	87994	51.041	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.080%	
50) Toluene-d8	8.653	98	331851	52.392	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 104.780%	
62) 4-Bromofluorobenzene	11.085	95	104918	48.712	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.420%	

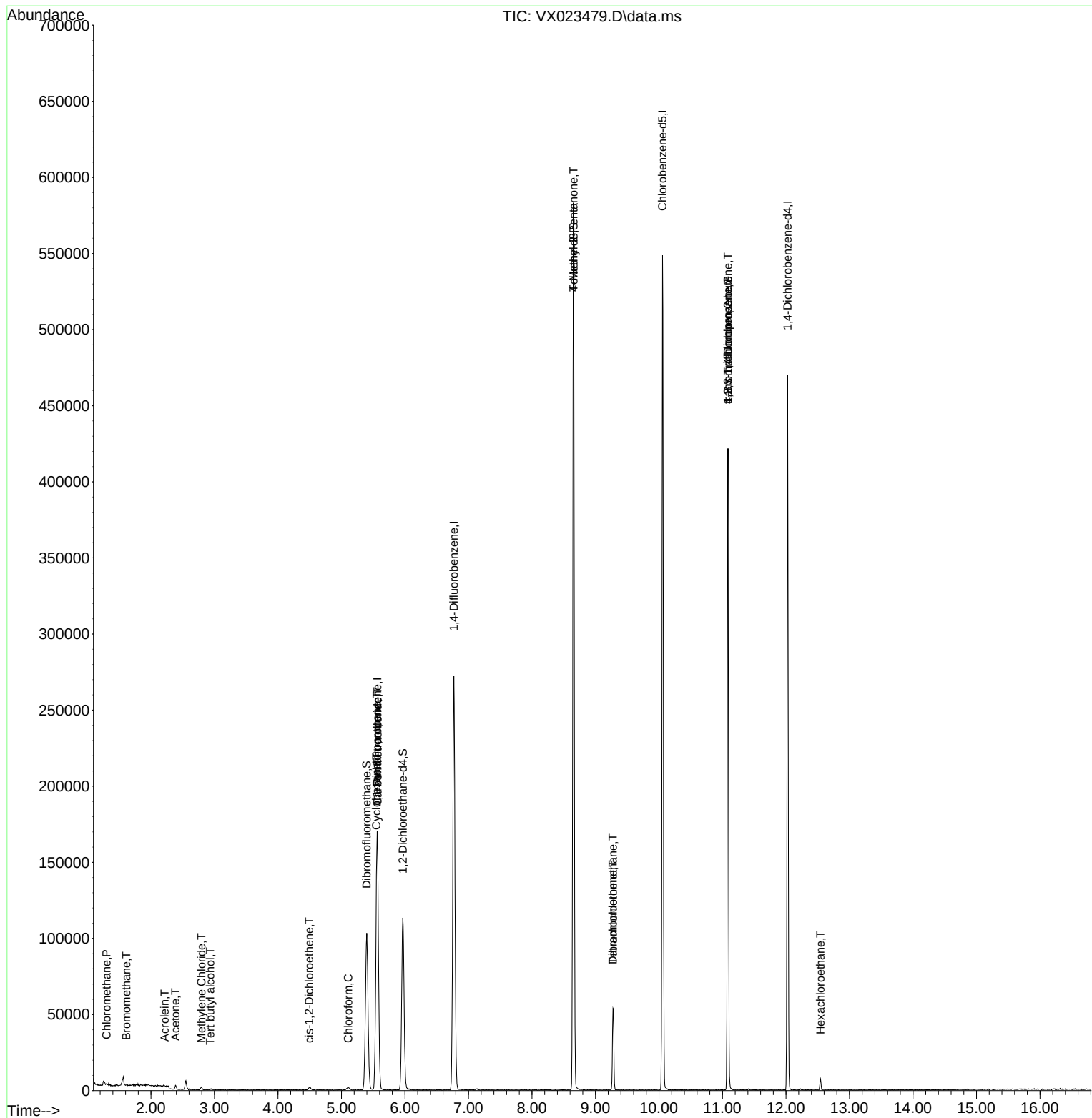
Target Compounds					Qvalue	
3) Chloromethane	1.301	50	374	0.215	ug/l	88
5) Bromomethane	1.612	94	461	0.440	ug/l #	65
11) Tert butyl alcohol	2.935	59	129	0.279	ug/l #	73
13) Acrolein	2.215	56	26	1.474	ug/l #	1
16) Acetone	2.386	43	2738	2.753	ug/l	98
20) Methylene Chloride	2.794	84	738	0.381	ug/l #	89
27) cis-1,2-Dichloroethene	4.489	96	528	0.268	ug/l #	1
30) Chloroform	5.105	83	2164	0.671	ug/l	95
31) Cyclohexane	5.550	56	3668	1.221	ug/l #	32
36) 1,1-Dichloropropene	5.556	75	12575	5.042	ug/l #	45
38) Carbon Tetrachloride	5.568	117	16161	6.371	ug/l #	16
51) 4-Methyl-2-Pentanone	8.653	43	1731	0.581	ug/l #	1
60) Dibromochloromethane	9.275	129	10209	6.751	ug/l #	11
64) Tetrachloroethene	9.275	164	10806	5.529	ug/l	92
76) 1,2,3-Trichloropropane	11.085	75	53340	25.811	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	53340	69.403	ug/l #	12
90) Hexachloroethane	12.543	117	874	2.691	ug/l	92

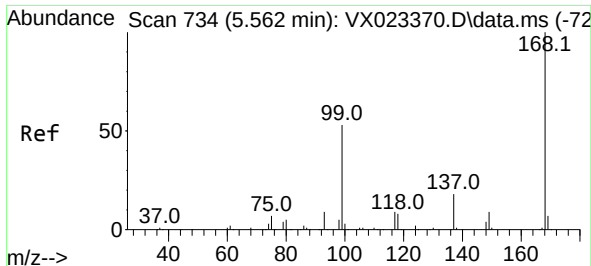
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

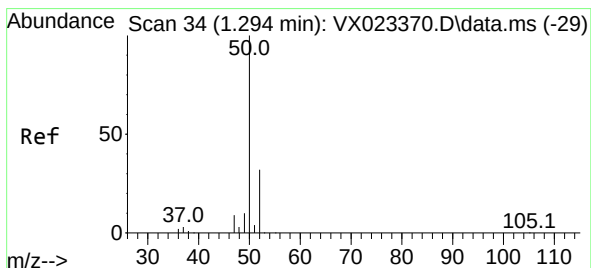
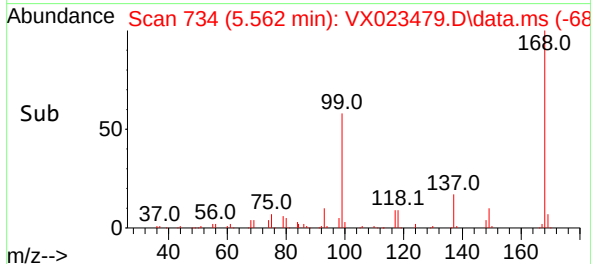
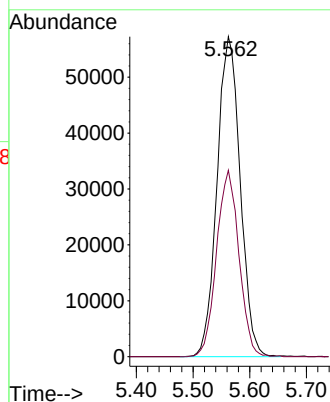
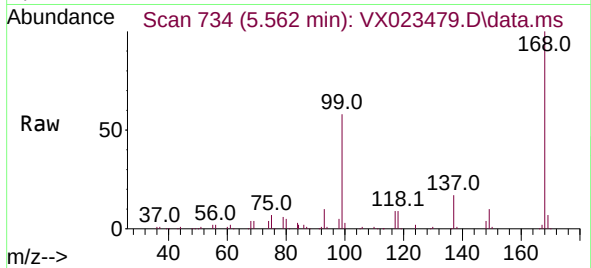




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023479.D
Acq: 27 Jul 2021 16:00

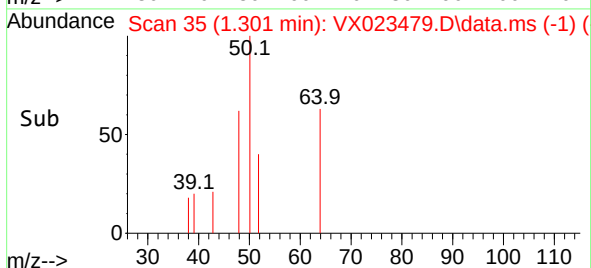
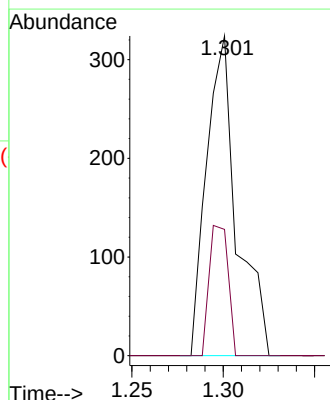
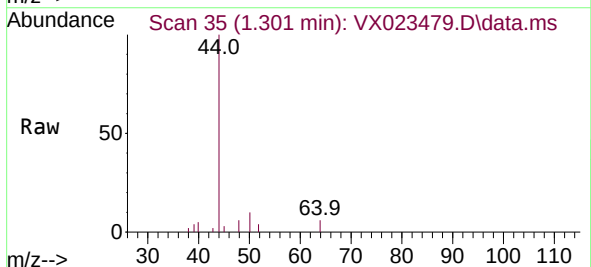
Instrument :
MSVOA_X
ClientSampleId :

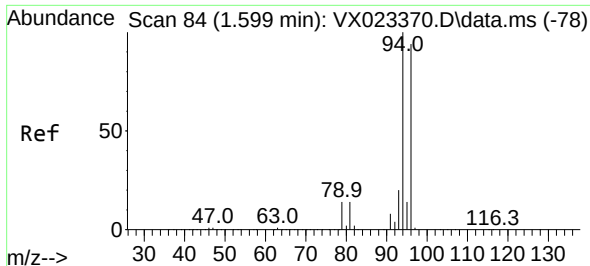
Tgt Ion:168 Resp: 162534
Ion Ratio Lower Upper
168 100
99 58.3 45.8 68.6



#3
Chloromethane
Concen: 0.215 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.007 min
Lab File: VX023479.D
Acq: 27 Jul 2021 16:00

Tgt Ion: 50 Resp: 374
Ion Ratio Lower Upper
50 100
52 39.5 26.4 39.6

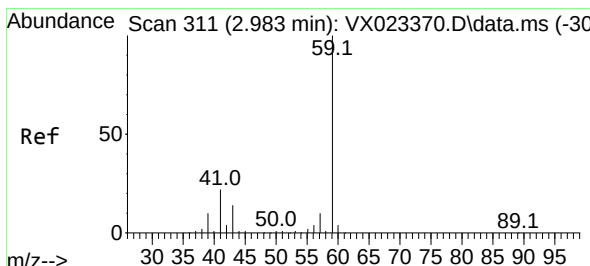
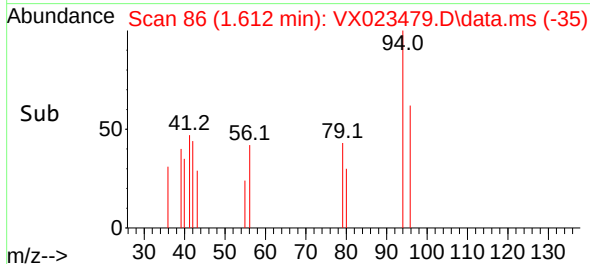
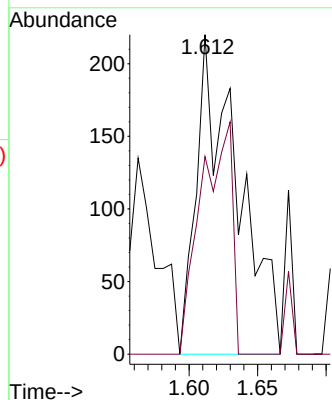
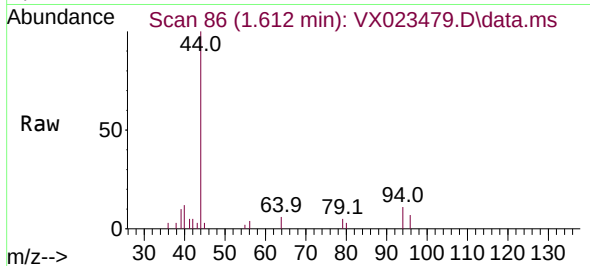




#5
Bromomethane
Concen: 0.440 ug/l
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX023479.D
Acq: 27 Jul 2021 16:00

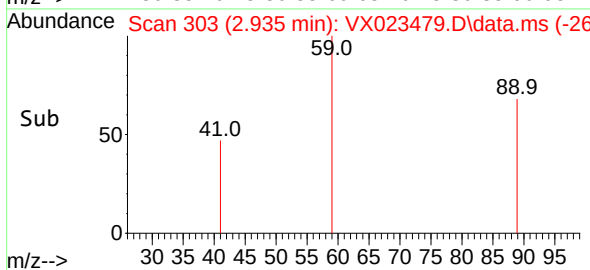
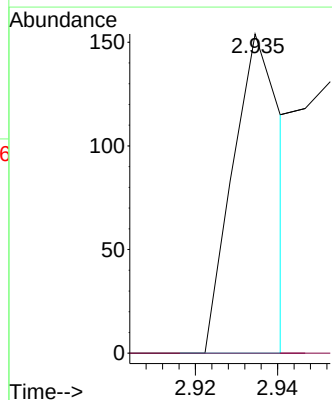
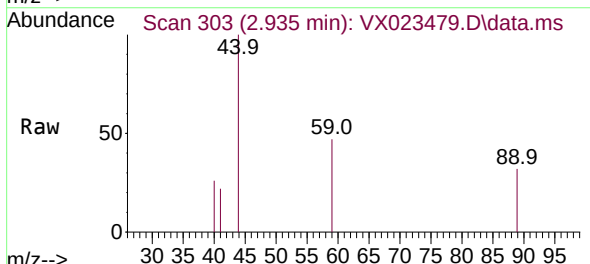
Instrument :
MSVOA_X
ClientSampleId :

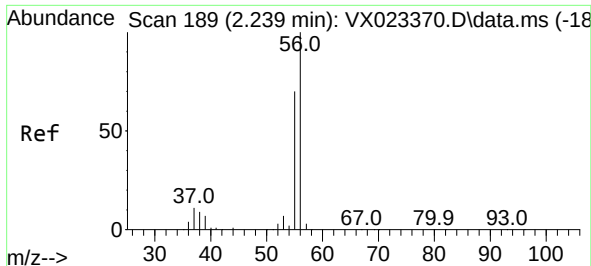
Tgt Ion: 94 Resp: 461
Ion Ratio Lower Upper
94 100
96 61.8 76.4 114.6#



#11
Tert butyl alcohol
Concen: 0.279 ug/l
RT: 2.935 min Scan# 303
Delta R.T. -0.048 min
Lab File: VX023479.D
Acq: 27 Jul 2021 16:00

Tgt Ion: 59 Resp: 129
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

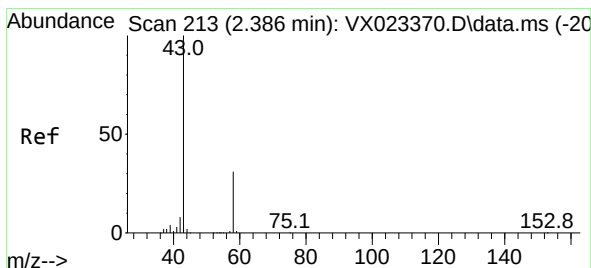
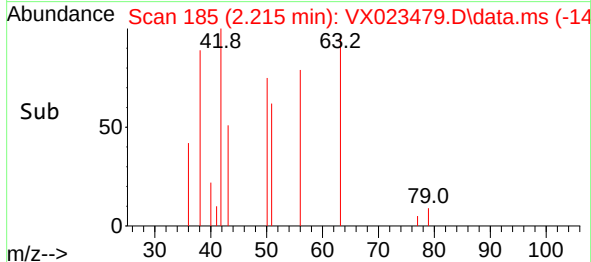
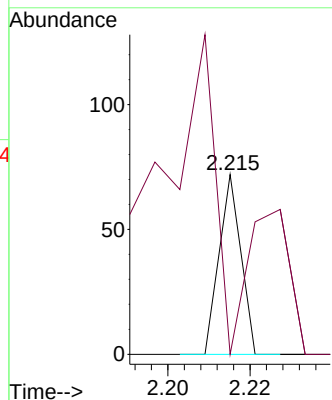
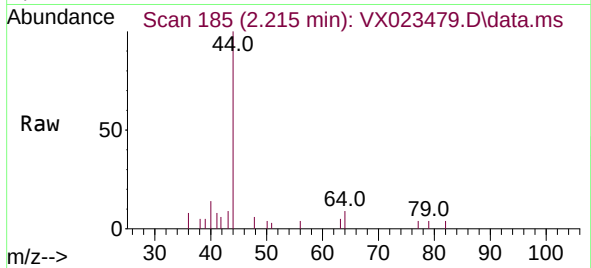




#13
Acrolein
Concen: 1.474 ug/l
RT: 2.215 min Scan# 185
Delta R.T. -0.024 min
Lab File: VX023479.D
Acq: 27 Jul 2021 16:00

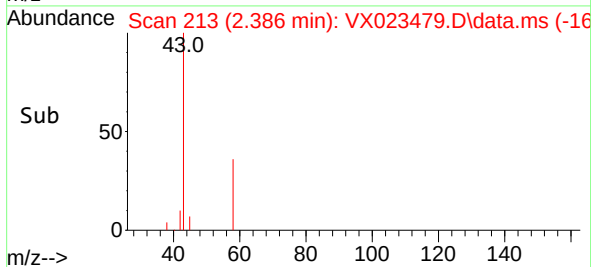
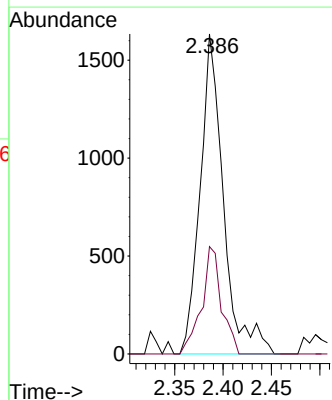
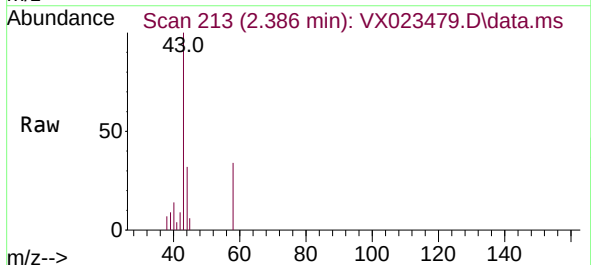
Instrument :
MSVOA_X
ClientSampleId :

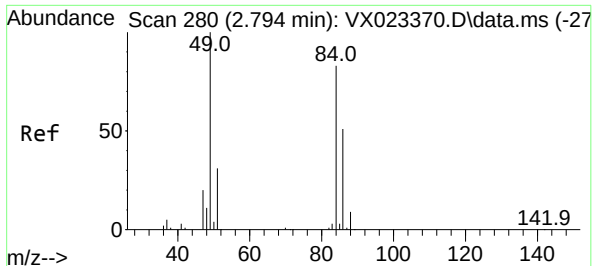
Tgt Ion: 56 Resp: 26
Ion Ratio Lower Upper
56 100
55 615.4 56.4 84.6#



#16
Acetone
Concen: 2.753 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023479.D
Acq: 27 Jul 2021 16:00

Tgt Ion: 43 Resp: 2738
Ion Ratio Lower Upper
43 100
58 33.5 27.8 41.8

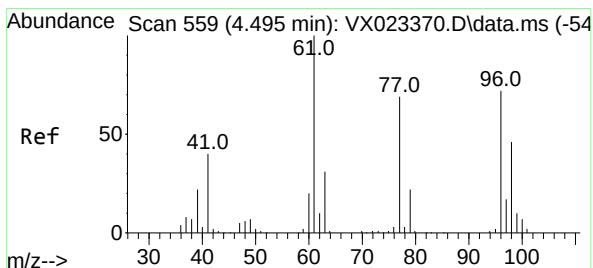
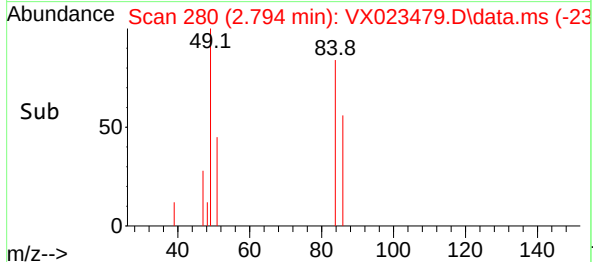
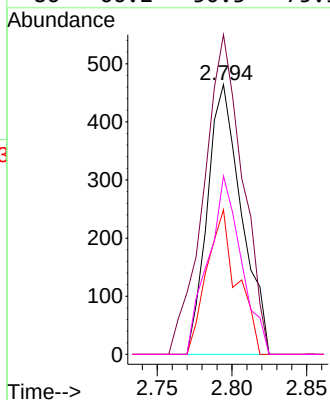
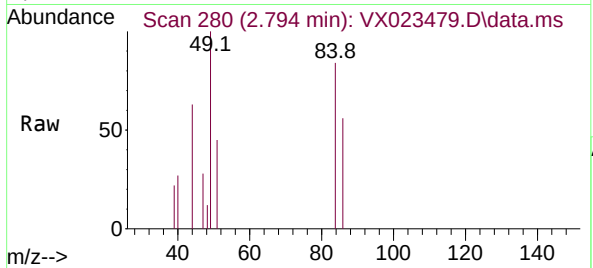




#20
Methylene Chloride
Concen: 0.381 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023479.D
Acq: 27 Jul 2021 16:00

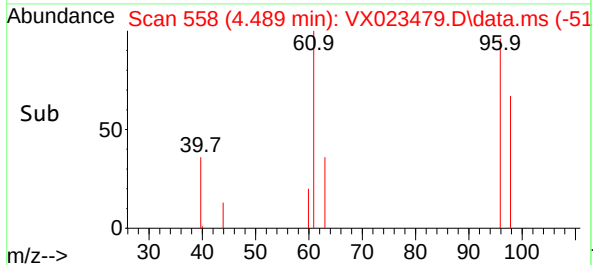
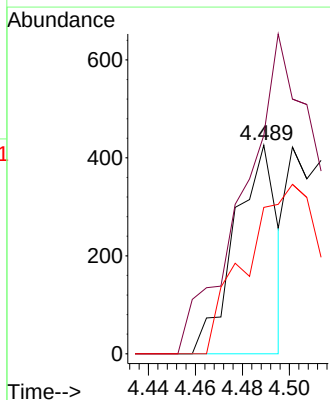
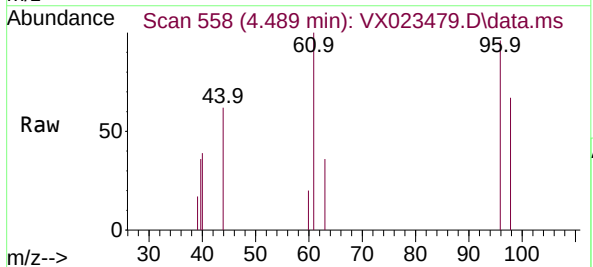
Instrument :
MSVOA_X
ClientSampled :

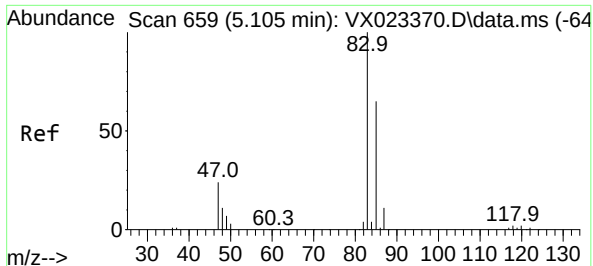
Tgt Ion:	84	Resp:	738
Ion	Ratio	Lower	Upper
84	100		
49	118.5	88.6	132.8
51	53.7	27.0	40.6#
86	66.2	50.3	75.5



#27
cis-1,2-Dichloroethene
Concen: 0.268 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.006 min
Lab File: VX023479.D
Acq: 27 Jul 2021 16:00

Tgt Ion:	96	Resp:	528
Ion	Ratio	Lower	Upper
96	100		
61	310.2	0.0	285.6#
98	142.0	0.0	129.6#





#30

Chloroform

Concen: 0.671 ug/l

RT: 5.105 min Scan# 659

Delta R.T. -0.000 min

Lab File: VX023479.D

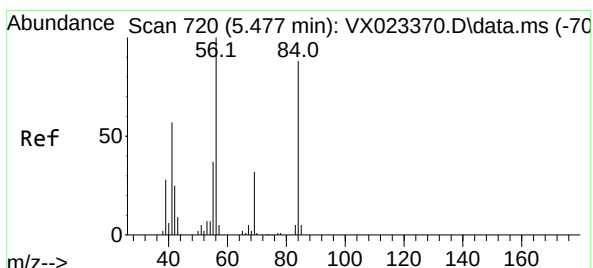
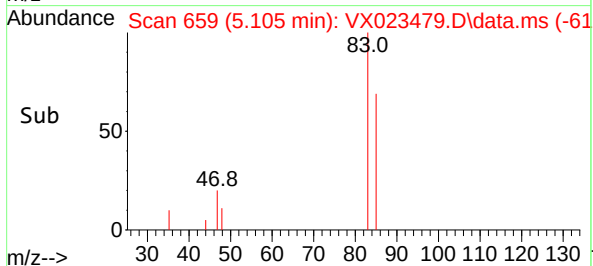
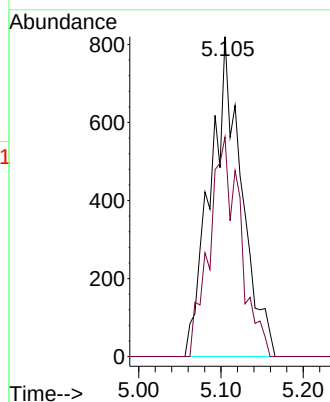
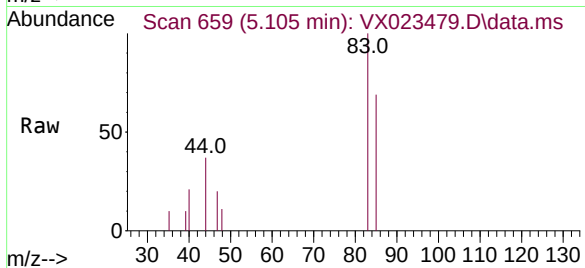
Acq: 27 Jul 2021 16:00

Tgt Ion: 83 Resp: 2164

Ion Ratio Lower Upper

83 100

85 68.7 52.0 78.0



#31

Cyclohexane

Concen: 1.221 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.073 min

Lab File: VX023479.D

Acq: 27 Jul 2021 16:00

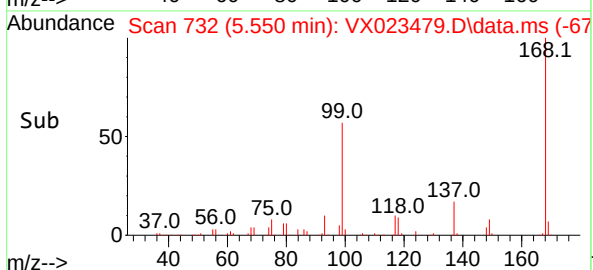
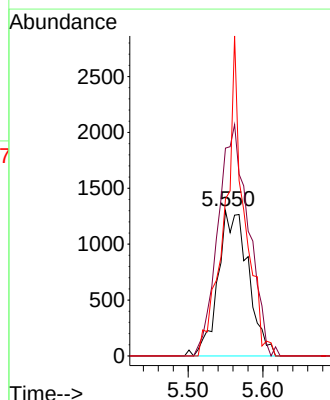
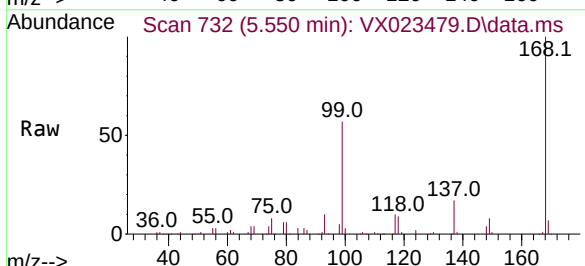
Tgt Ion: 56 Resp: 3668

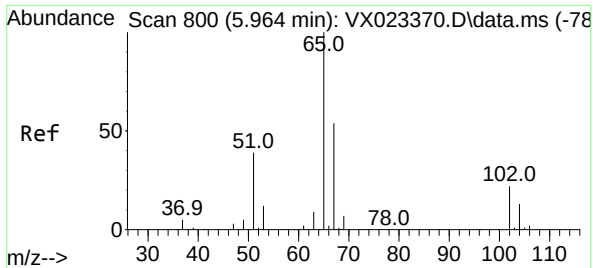
Ion Ratio Lower Upper

56 100

69 143.2 25.3 37.9#

84 108.3 71.4 107.0#

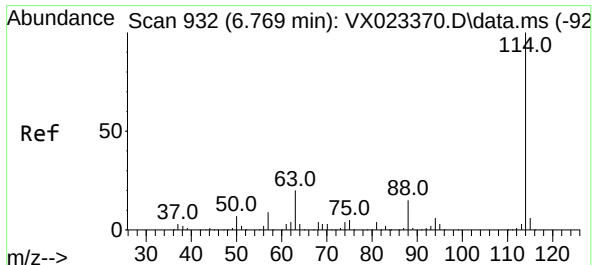
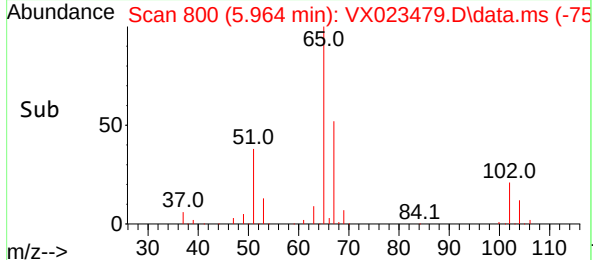
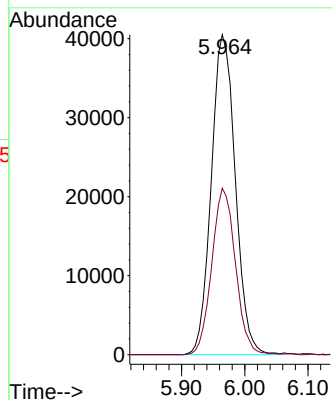
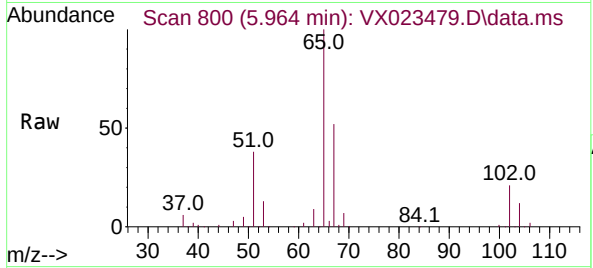




#33
 1,2-Dichloroethane-d4
 Concen: 52.716 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX023479.D
 Acq: 27 Jul 2021 16:00

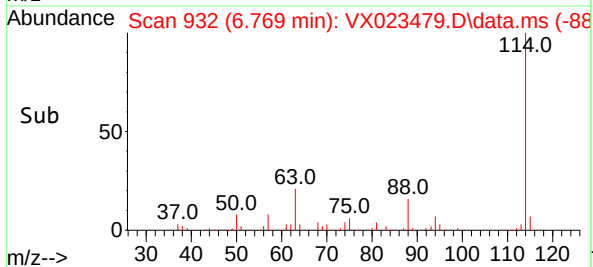
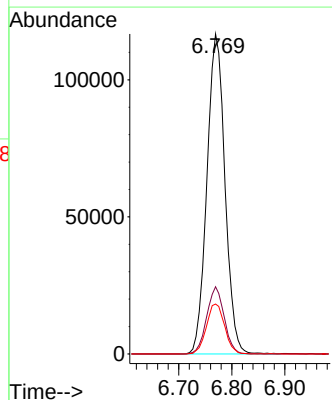
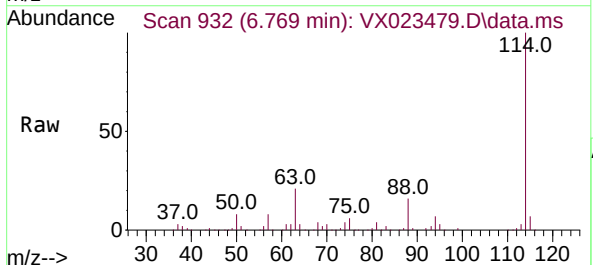
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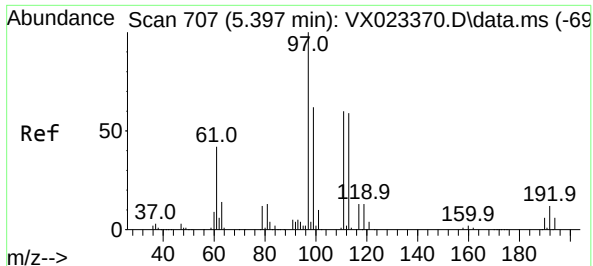
Tgt Ion: 65 Resp: 106880
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX023479.D
 Acq: 27 Jul 2021 16:00

Tgt Ion: 114 Resp: 275732
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 40.8
 88 15.6 0.0 32.8

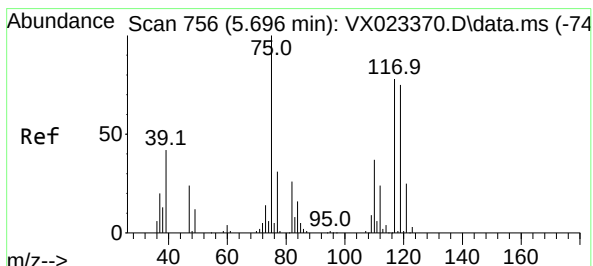
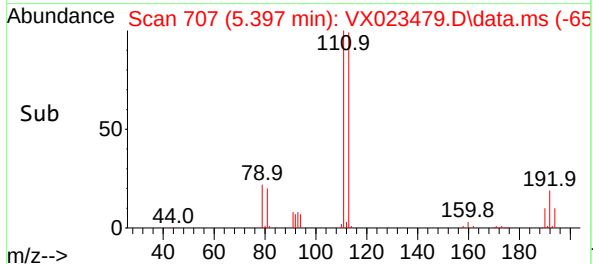
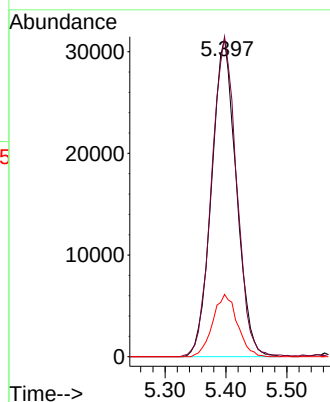
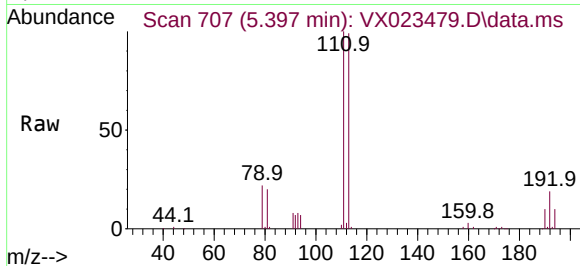




#35
Dibromofluoromethane
Concen: 51.041 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023479.D
Acq: 27 Jul 2021 16:00

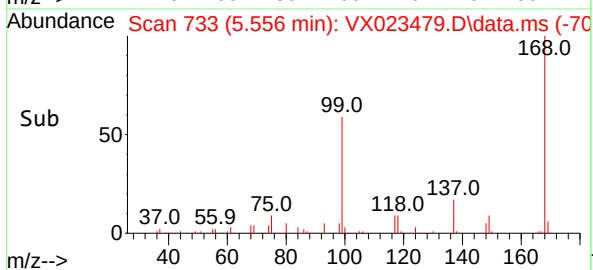
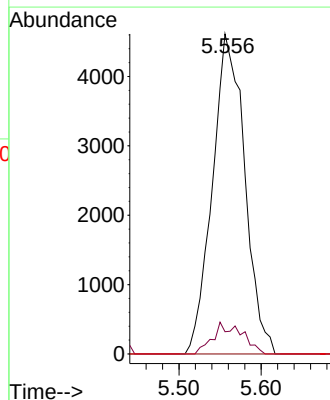
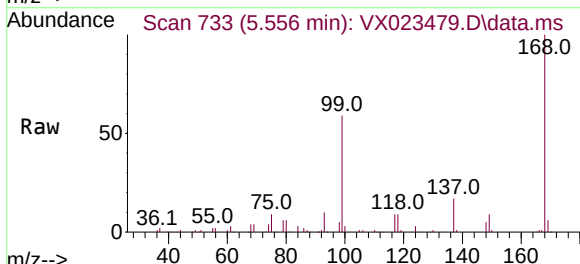
Instrument :
MSVOA_X
ClientSampleId :

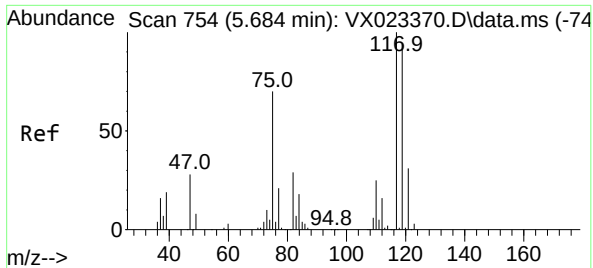
Tgt Ion:	113	Resp:	87994
Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.9	122.9
192	19.5	16.7	25.1



#36
1,1-Dichloropropene
Concen: 5.042 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX023479.D
Acq: 27 Jul 2021 16:00

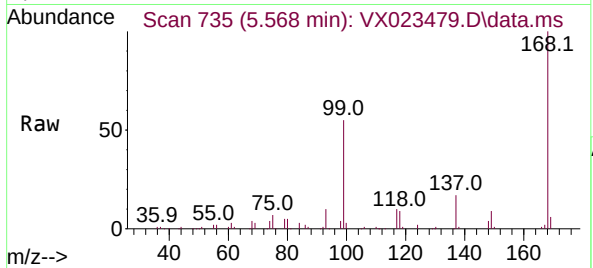
Tgt Ion:	75	Resp:	12575
Ion	Ratio	Lower	Upper
75	100		
110	5.1	18.1	54.4#
77	0.0	25.3	37.9#



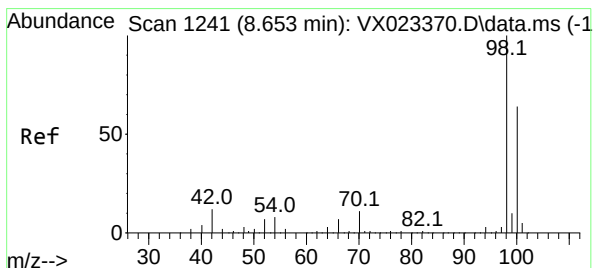
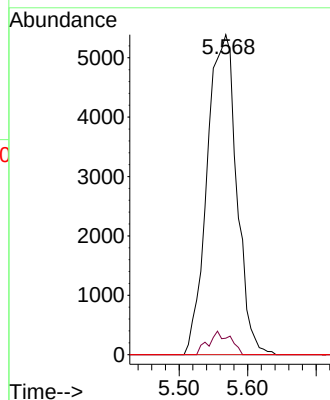
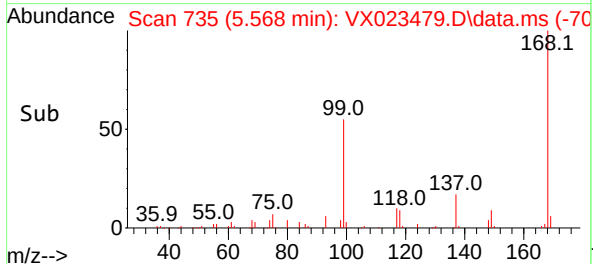


#38
Carbon Tetrachloride
Concen: 6.371 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.116 min
Lab File: VX023479.D
Acq: 27 Jul 2021 16:00

Instrument :
MSVOA_X
ClientSampleId :

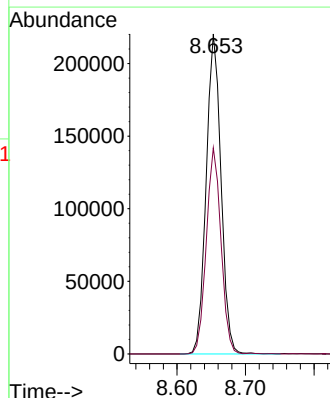
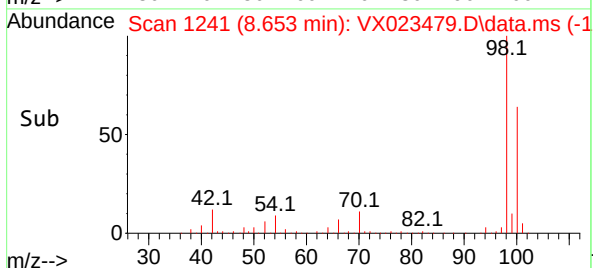
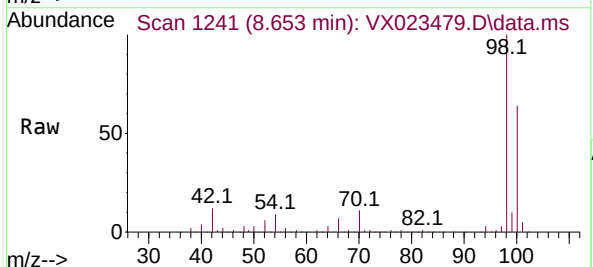


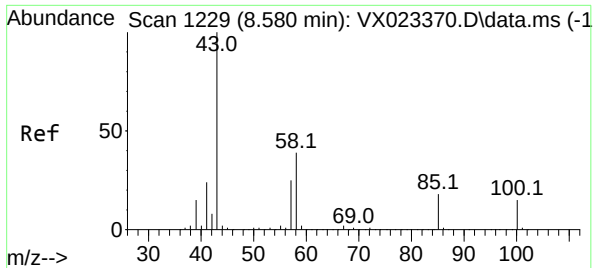
Tgt Ion:117 Resp: 16161
Ion Ratio Lower Upper
117 100
119 5.2 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 52.392 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX023479.D
Acq: 27 Jul 2021 16:00

Tgt Ion: 98 Resp: 331851
Ion Ratio Lower Upper
98 100
100 63.8 51.9 77.9

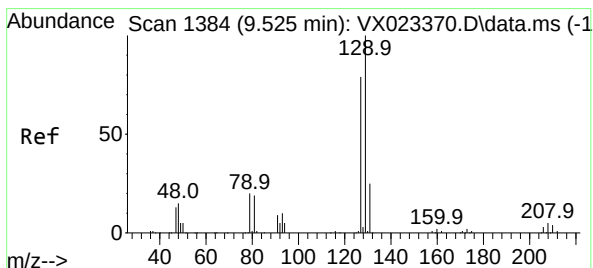
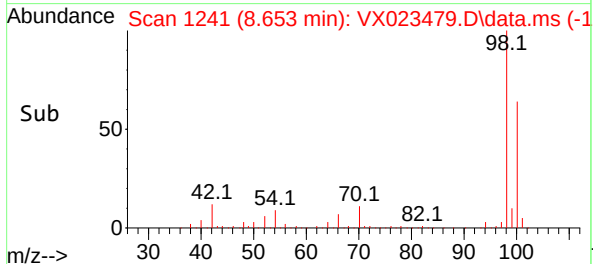
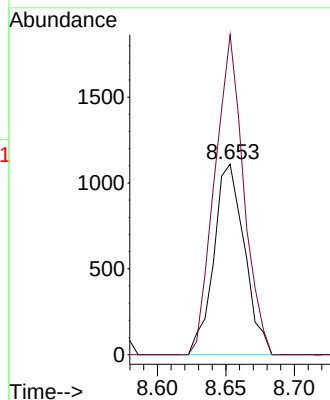
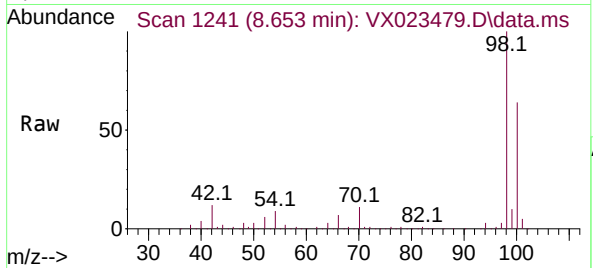




#51
4-Methyl-2-Pentanone
Concen: 0.581 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX023479.D
Acq: 27 Jul 2021 16:00

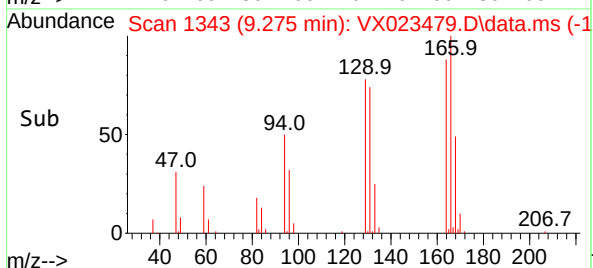
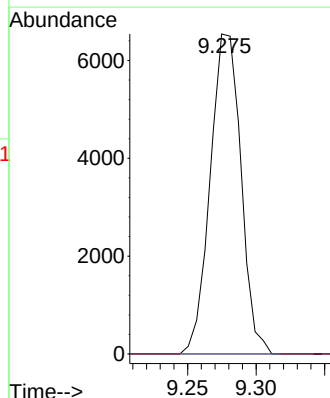
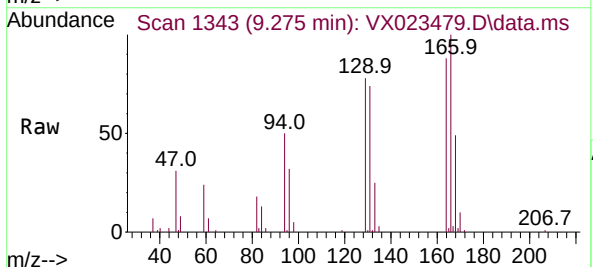
Instrument :
MSVOA_X
ClientSampled :

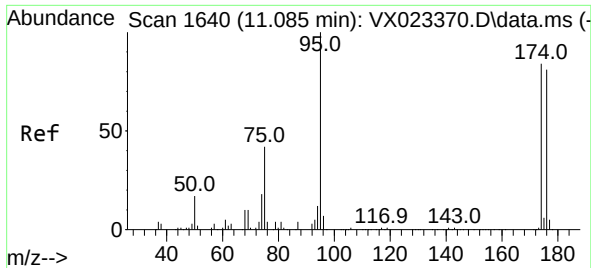
Tgt Ion: 43 Resp: 1731
Ion Ratio Lower Upper
43 100
58 157.9 35.4 53.0#



#60
Dibromochloromethane
Concen: 6.751 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX023479.D
Acq: 27 Jul 2021 16:00

Tgt Ion: 129 Resp: 10209
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

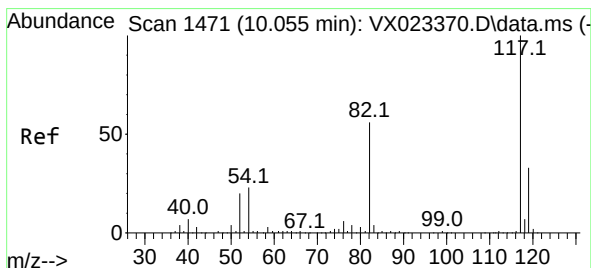
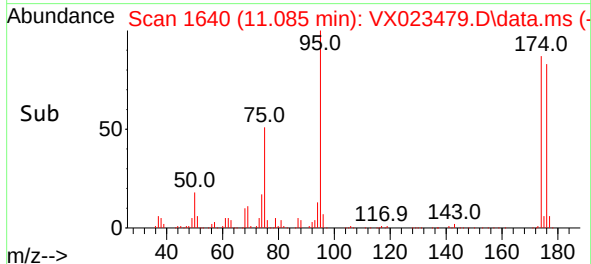
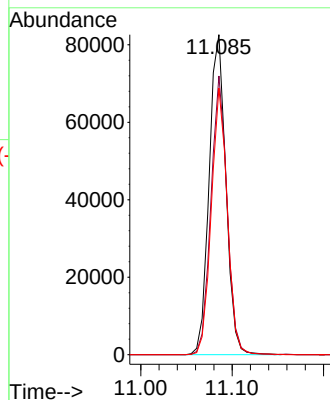
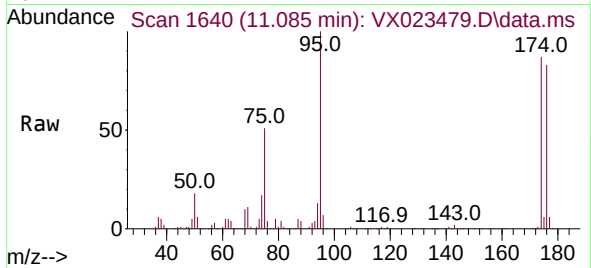




#62
4-Bromofluorobenzene
Concen: 48.712 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023479.D
Acq: 27 Jul 2021 16:00

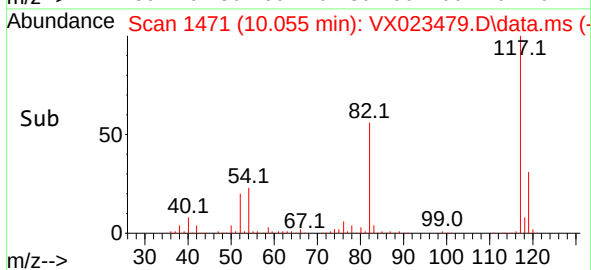
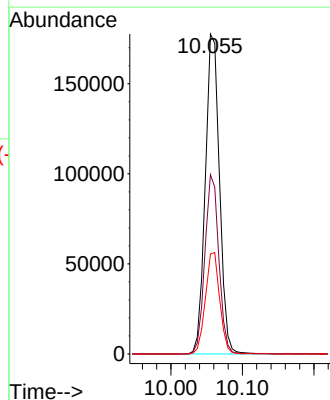
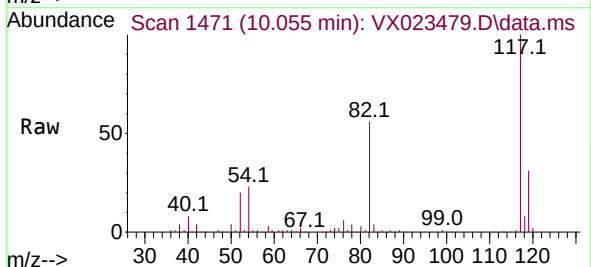
Instrument :
MSVOA_X
ClientSampleId :

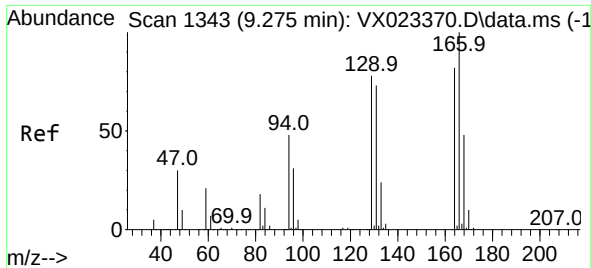
Tgt Ion: 95 Resp: 104918
Ion Ratio Lower Upper
95 100
174 84.0 0.0 154.6
176 79.5 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023479.D
Acq: 27 Jul 2021 16:00

Tgt Ion: 117 Resp: 245574
Ion Ratio Lower Upper
117 100
82 56.1 47.4 71.2
119 31.3 26.6 39.8

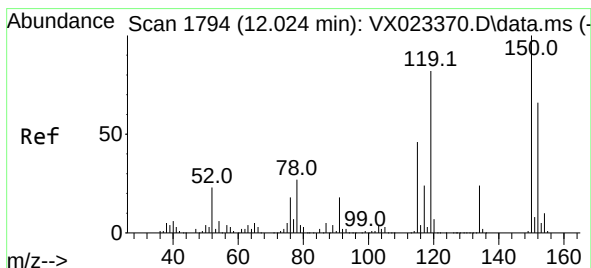
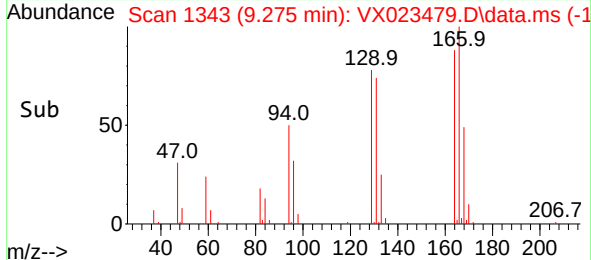
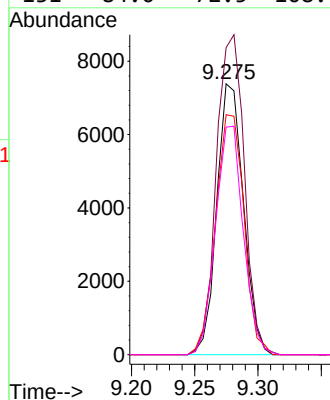
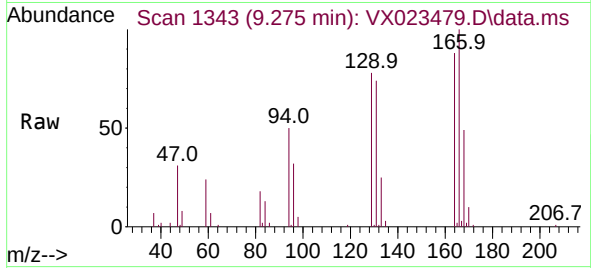




#64
Tetrachloroethene
Concen: 5.529 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX023479.D
Acq: 27 Jul 2021 16:00

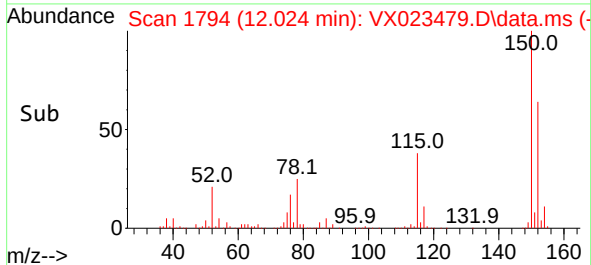
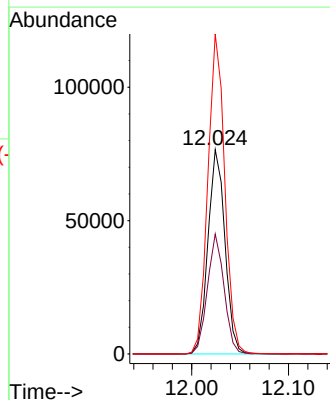
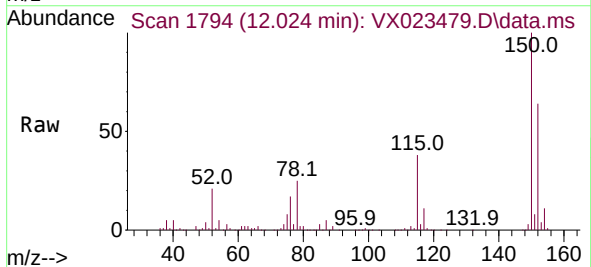
Instrument :
MSVOA_X
ClientSampled :

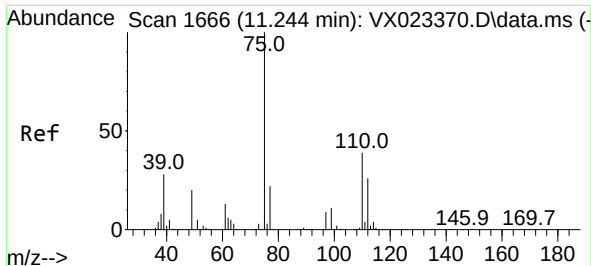
Tgt Ion:164	Resp:	10806
Ion Ratio	Lower	Upper
164	100	
166	113.4	103.4 155.2
129	88.6	70.8 106.2
131	84.0	72.5 108.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023479.D
Acq: 27 Jul 2021 16:00

Tgt Ion:152	Resp:	93910
Ion Ratio	Lower	Upper
152	100	
115	57.6	41.1 123.3
150	155.2	0.0 349.0

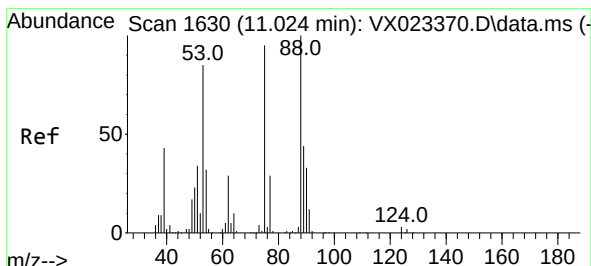
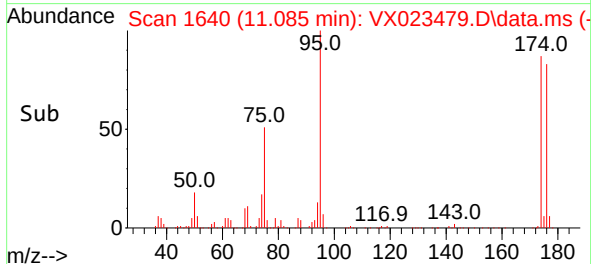
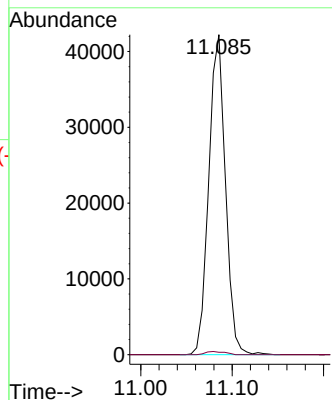
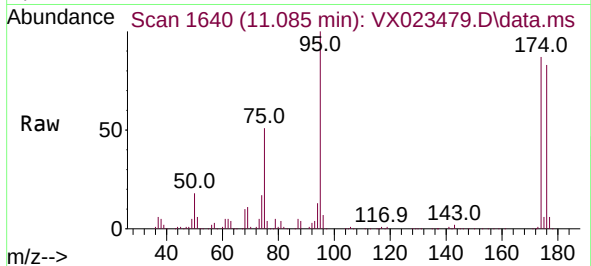




#76
1,2,3-Trichloropropane
Concen: 25.811 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023479.D
Acq: 27 Jul 2021 16:00

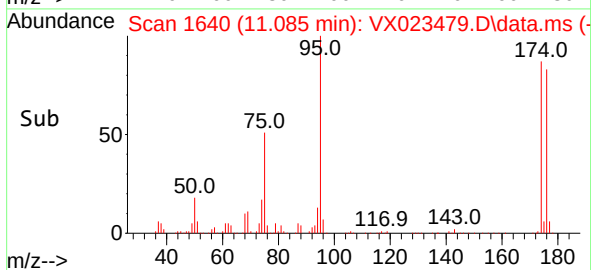
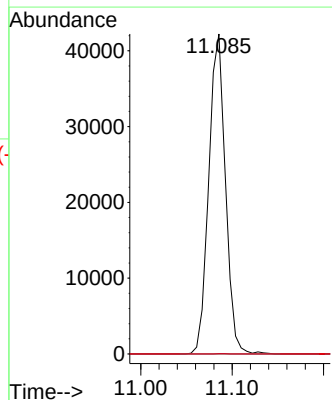
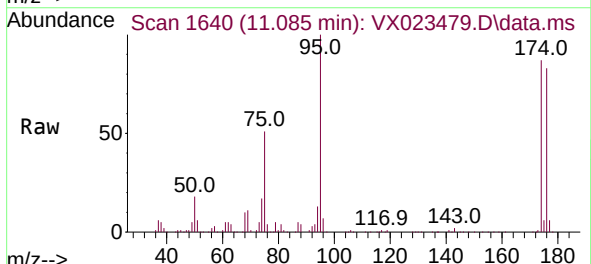
Instrument :
MSVOA_X
ClientSampled :

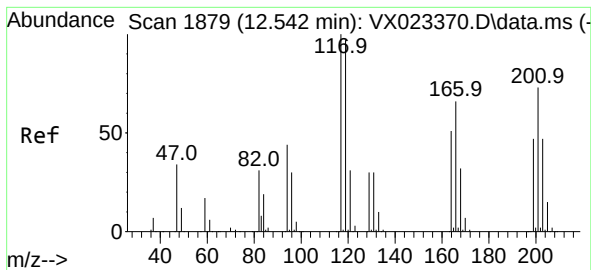
Tgt Ion: 75 Resp: 53340
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.403 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023479.D
Acq: 27 Jul 2021 16:00

Tgt Ion: 75 Resp: 53340
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#





#90
 Hexachloroethane
 Concen: 2.691 ug/l
 RT: 12.543 min Scan# 1879
 Delta R.T. 0.001 min
 Lab File: VX023479.D
 Acq: 27 Jul 2021 16:00

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion:117 Resp: 874
 Ion Ratio Lower Upper
 117 100
 201 73.5 40.4 121.2

