

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072621\
 Data File : VX023453.D
 Acq On : 26 Jul 2021 16:01
 Operator : JC/MD
 Sample : M3146-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 27 03:28:14 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)

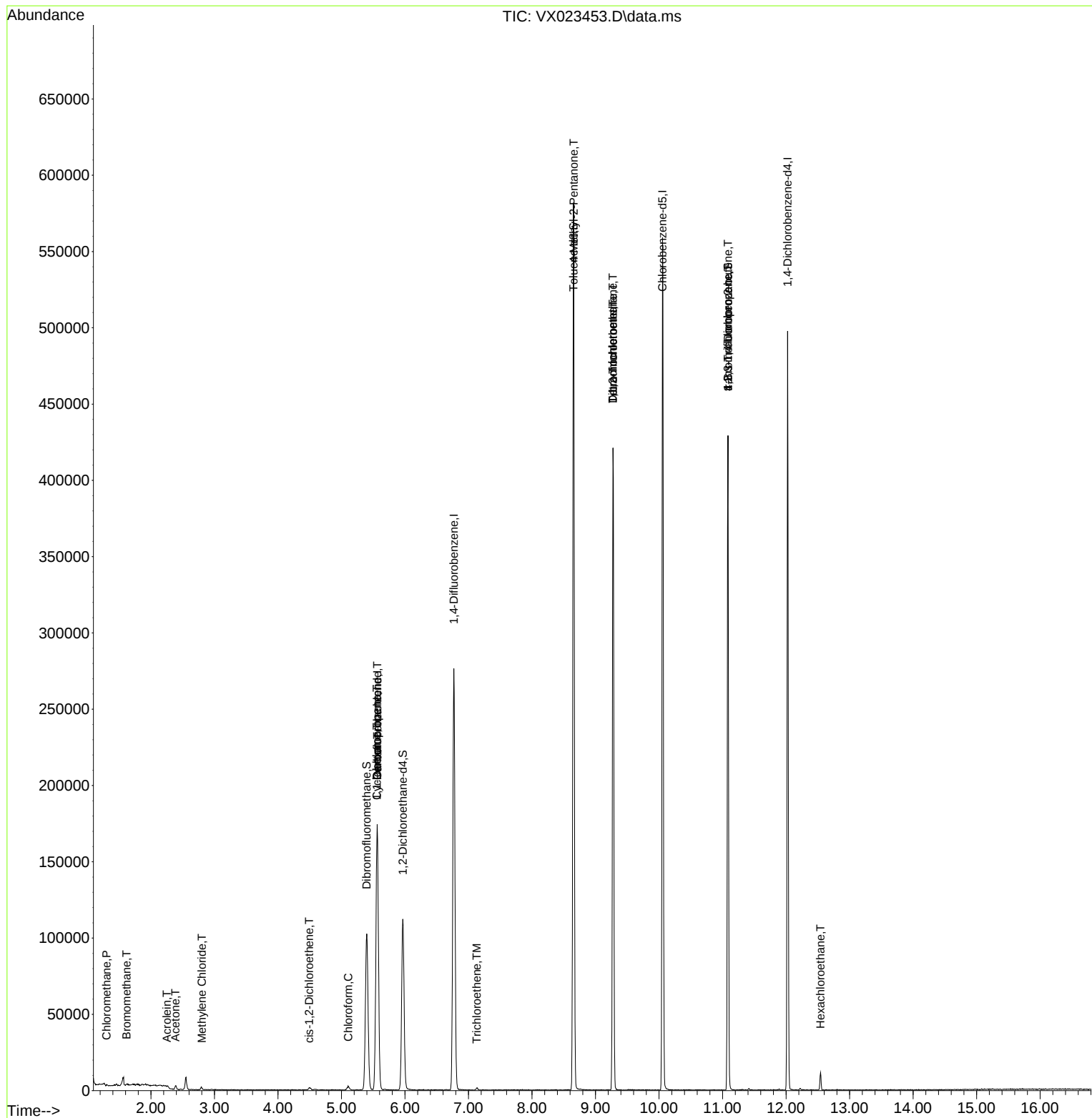
Internal Standards						
1) Pentafluorobenzene	5.562	168	166434	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	278906	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	254182	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101132	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	107296	51.68	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.36%	
35) Dibromofluoromethane	5.397	113	88992	51.03	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.06%	
50) Toluene-d8	8.653	98	339895	53.05	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 106.10%	
62) 4-Bromofluorobenzene	11.085	95	110368	50.66	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.32%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	449	0.25	ug/l	94
5) Bromomethane	1.618	94	500	0.47	ug/l #	65
13) Acrolein	2.252	56	162	2.03	ug/l #	72
16) Acetone	2.386	43	2871	2.82	ug/l #	87
20) Methylene Chloride	2.800	84	730	0.37	ug/l #	84
27) cis-1,2-Dichloroethene	4.489	96	529	0.26	ug/l	24
30) Chloroform	5.105	83	2765	0.84	ug/l #	81
31) Cyclohexane	5.556	56	3529	1.15	ug/l #	17
36) 1,1-Dichloropropene	5.556	75	12771	5.06	ug/l #	41
38) Carbon Tetrachloride	5.562	117	16255	6.34	ug/l #	16
44) Trichloroethene	7.129	130	609	0.30	ug/l	72
51) 4-Methyl-2-Pentanone	8.659	43	1606	0.53	ug/l #	1
55) 1,1,2-Trichloroethane	9.275	97	687	0.37	ug/l #	34
60) Dibromochloromethane	9.275	129	77398	37.72	ug/l #	11
64) Tetrachloroethene	9.275	164	78569	38.84	ug/l	94
76) 1,2,3-Trichloropropane	11.085	75	56636	25.45	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	56636	68.43	ug/l #	12
90) Hexachloroethane	12.542	117	1369	3.05	ug/l	84

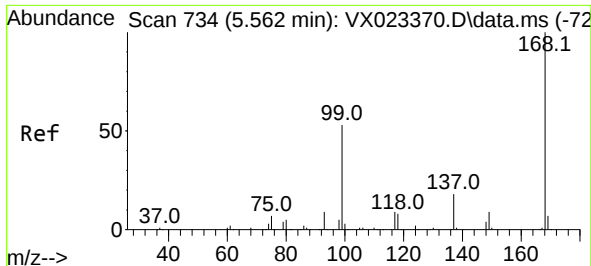
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampled :

Quant Time: Jul 27 03:28:14 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

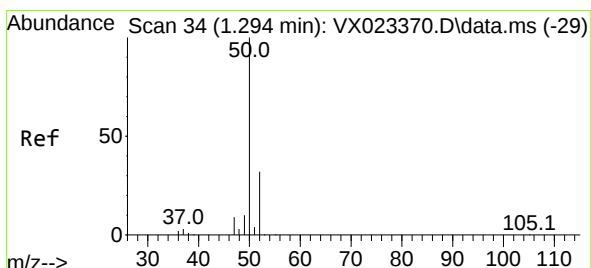
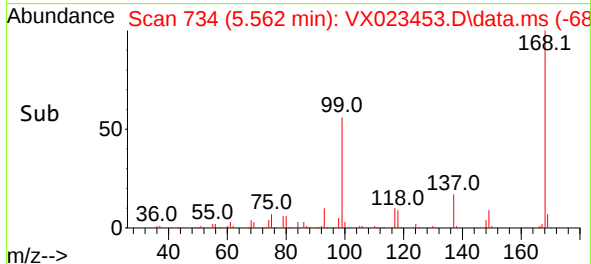
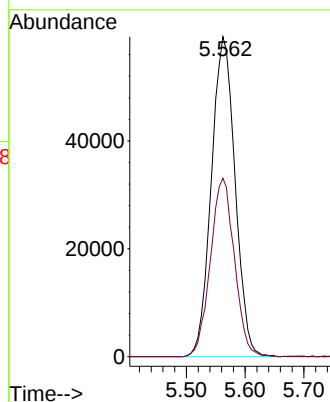
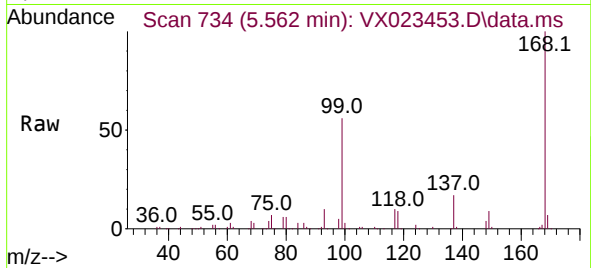




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023453.D
Acq: 26 Jul 2021 16:01

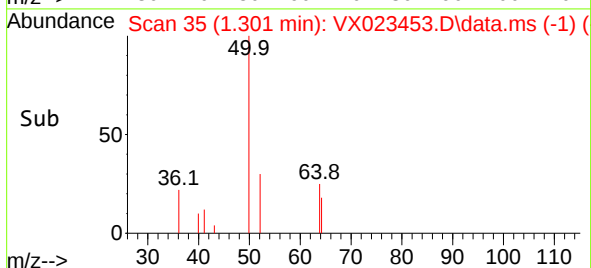
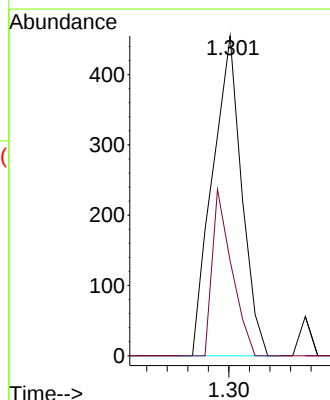
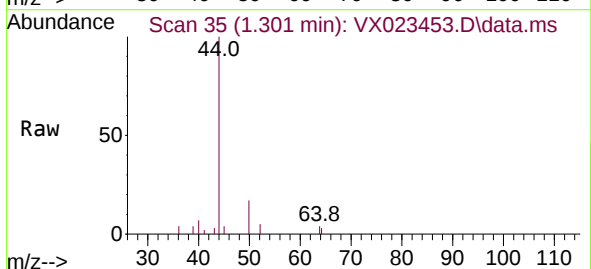
Instrument :
MSVOA_X
ClientSampleId :

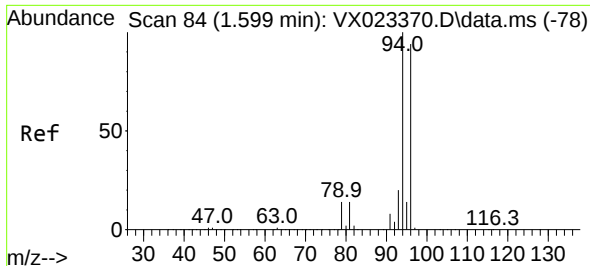
Tgt Ion:168 Resp: 166434
Ion Ratio Lower Upper
168 100
99 55.7 45.8 68.6



#3
Chloromethane
Concen: 0.25 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.007 min
Lab File: VX023453.D
Acq: 26 Jul 2021 16:01

Tgt Ion: 50 Resp: 449
Ion Ratio Lower Upper
50 100
52 29.7 26.4 39.6

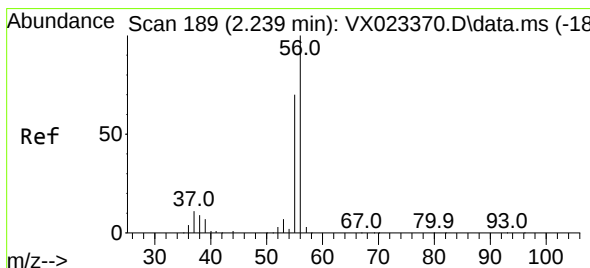
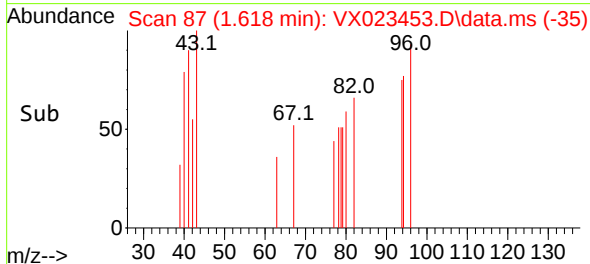
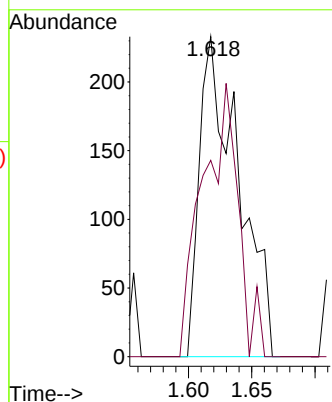
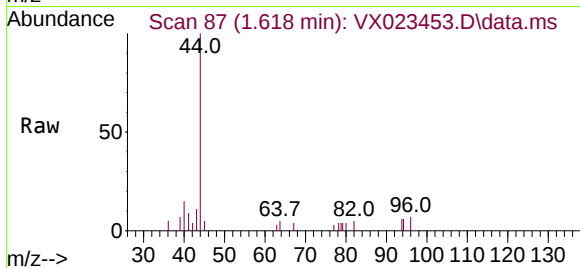




#5
Bromomethane
Concen: 0.47 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX023453.D
Acq: 26 Jul 2021 16:01

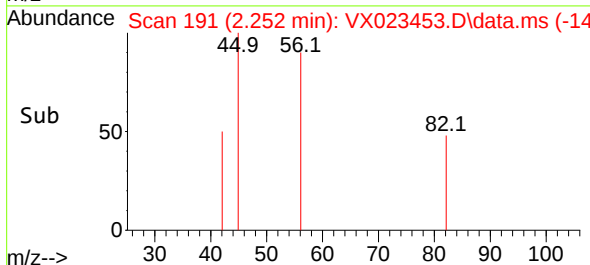
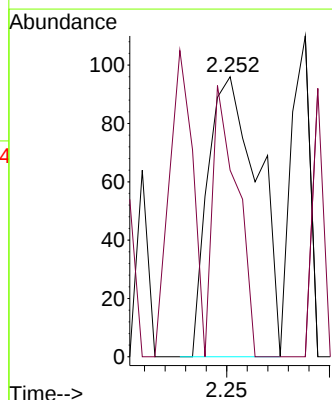
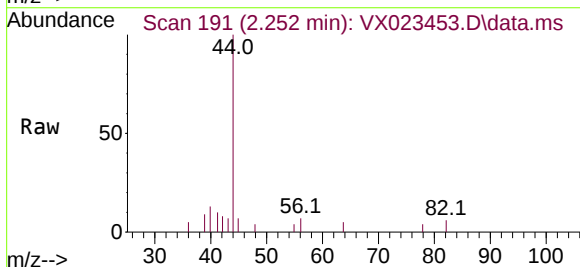
Instrument :
MSVOA_X
ClientSampleId :

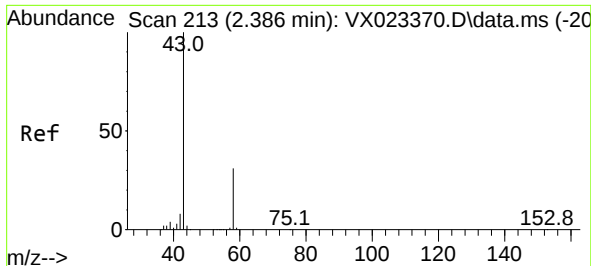
Tgt Ion: 94 Resp: 500
Ion Ratio Lower Upper
94 100
96 61.4 76.4 114.6#



#13
Acrolein
Concen: 2.03 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.013 min
Lab File: VX023453.D
Acq: 26 Jul 2021 16:01

Tgt Ion: 56 Resp: 162
Ion Ratio Lower Upper
56 100
55 47.5 56.4 84.6#

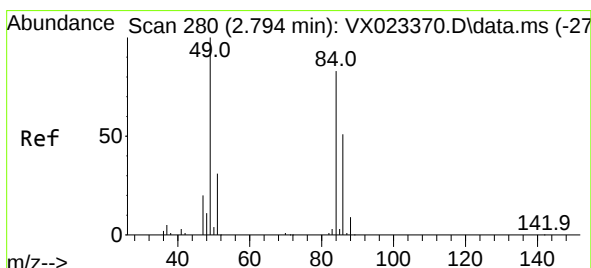
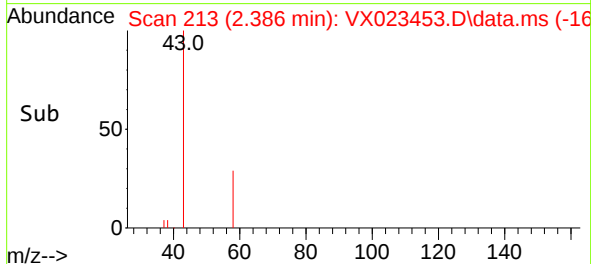
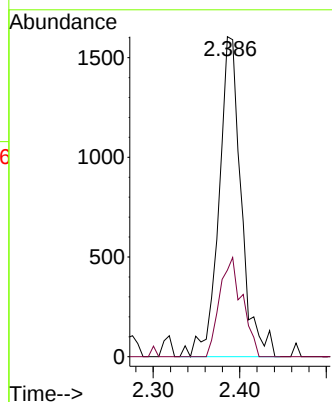
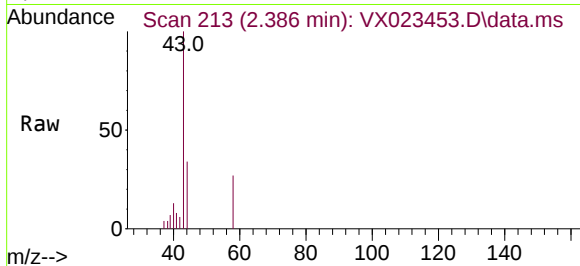




#16
Acetone
Concen: 2.82 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023453.D
Acq: 26 Jul 2021 16:01

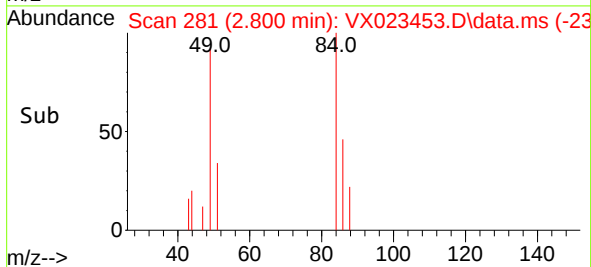
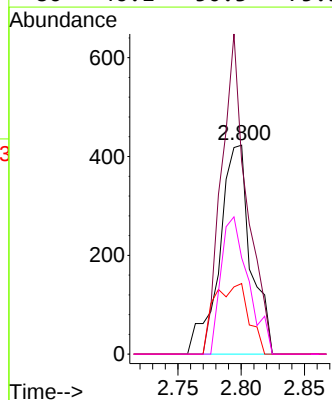
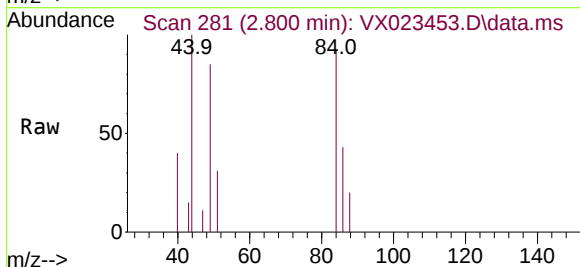
Instrument :
MSVOA_X
ClientSampled :

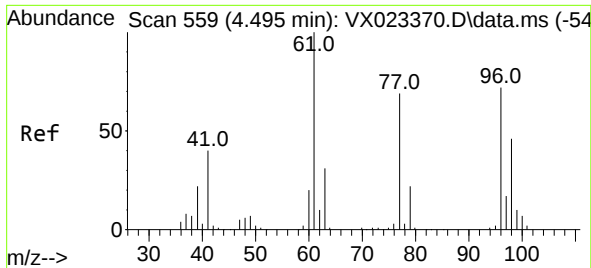
Tgt Ion: 43 Resp: 2871
Ion Ratio Lower Upper
43 100
58 27.0 27.8 41.8#



#20
Methylene Chloride
Concen: 0.37 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX023453.D
Acq: 26 Jul 2021 16:01

Tgt Ion: 84 Resp: 730
Ion Ratio Lower Upper
84 100
49 92.2 88.6 132.8
51 33.8 27.0 40.6
86 46.1 50.3 75.5#

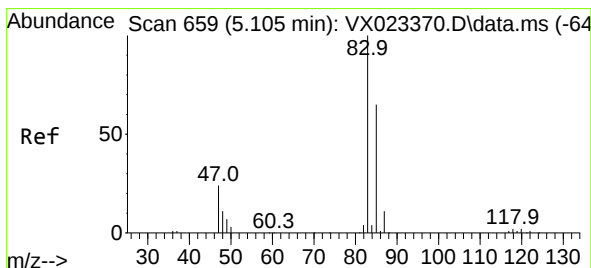
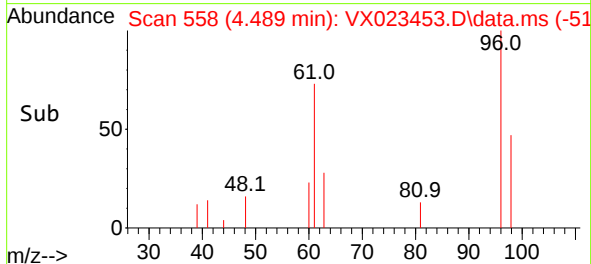
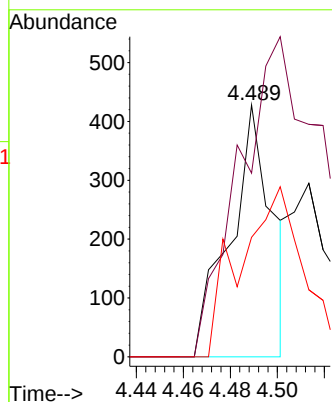
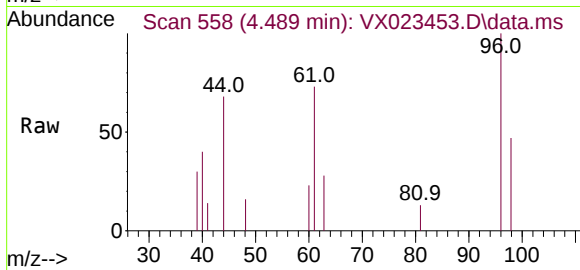




#27
cis-1,2-Dichloroethene
Concen: 0.26 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.006 min
Lab File: VX023453.D
Acq: 26 Jul 2021 16:01

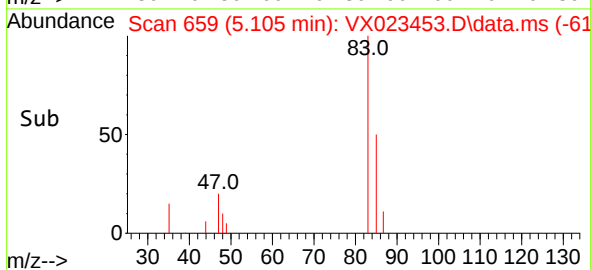
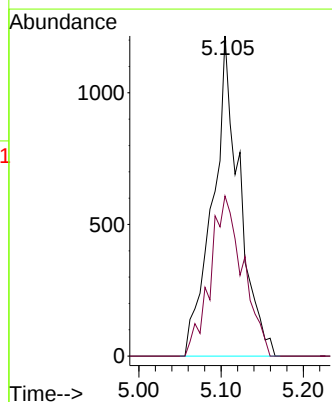
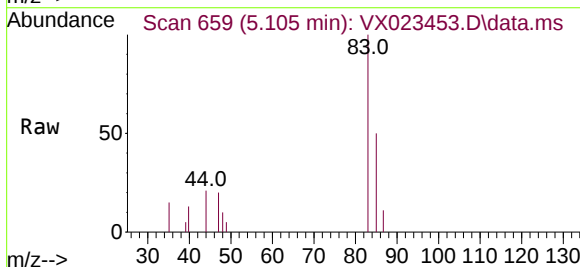
Instrument :
MSVOA_X
ClientSampled :

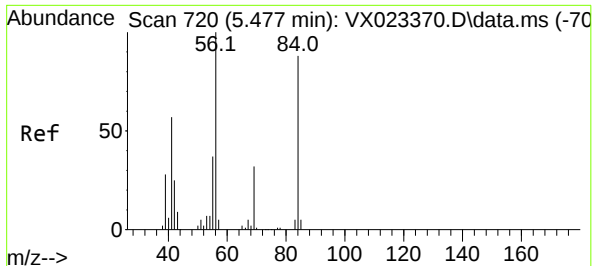
Tgt Ion: 96	Resp: 529
Ion Ratio	Lower Upper
96 100	
61 253.7	0.0 285.6
98 100.6	0.0 129.6



#30
Chloroform
Concen: 0.84 ug/l
RT: 5.105 min Scan# 659
Delta R.T. -0.000 min
Lab File: VX023453.D
Acq: 26 Jul 2021 16:01

Tgt Ion: 83	Resp: 2765		
Ion Ratio	Lower	Upper	
83 100			
85 50.0	52.0	78.0#	

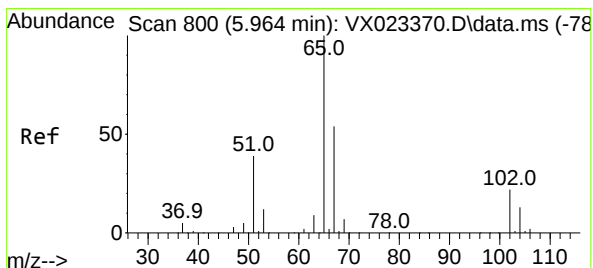
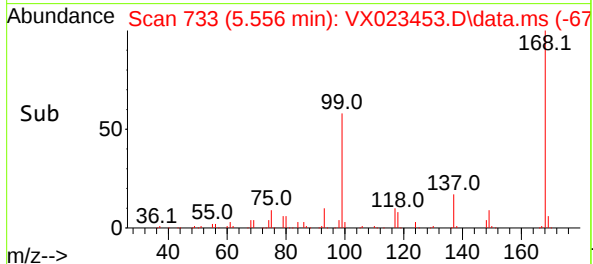
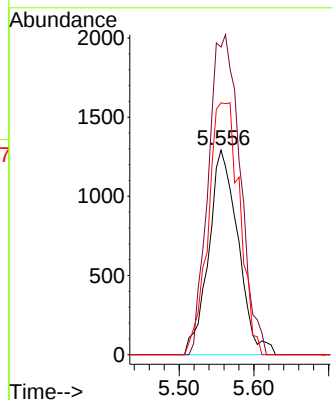
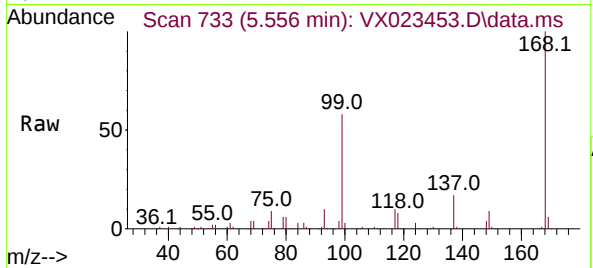




#31
Cyclohexane
Concen: 1.15 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX023453.D
Acq: 26 Jul 2021 16:01

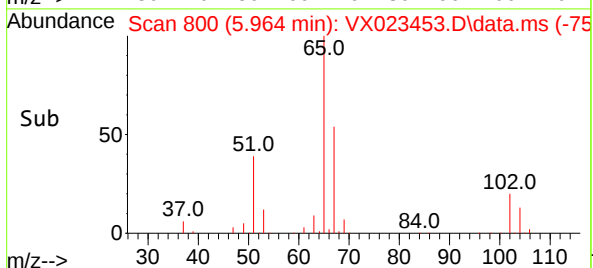
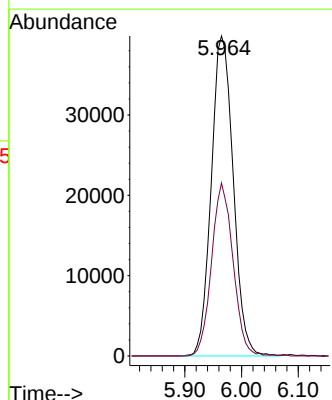
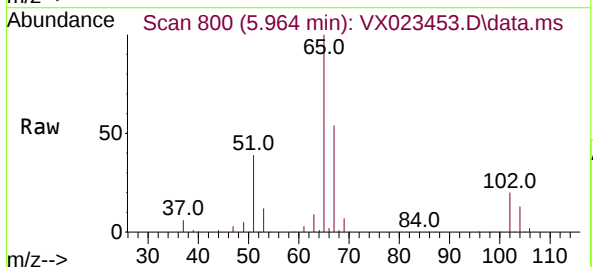
Instrument :
MSVOA_X
ClientSampleId :

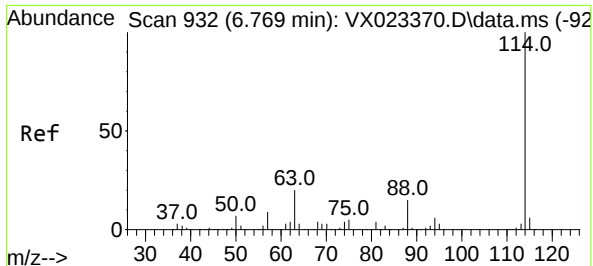
Tgt Ion: 56 Resp: 3529
Ion Ratio Lower Upper
56 100
69 150.5 25.3 37.9#
84 123.2 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 51.68 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023453.D
Acq: 26 Jul 2021 16:01

Tgt Ion: 65 Resp: 107296
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.4

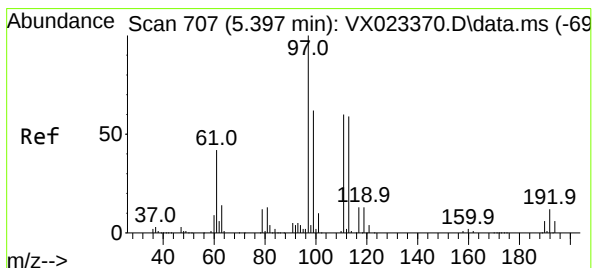
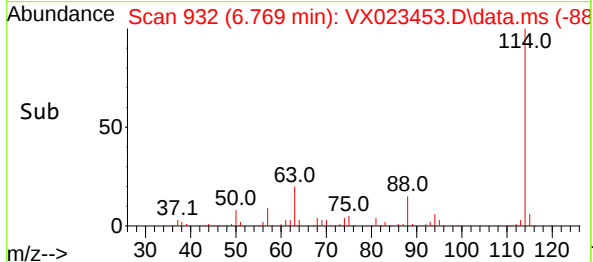
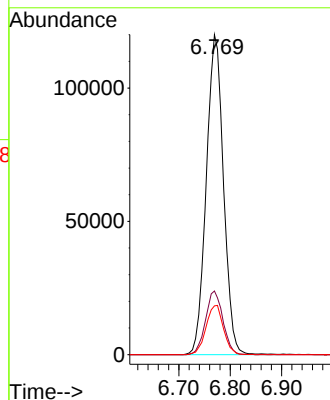
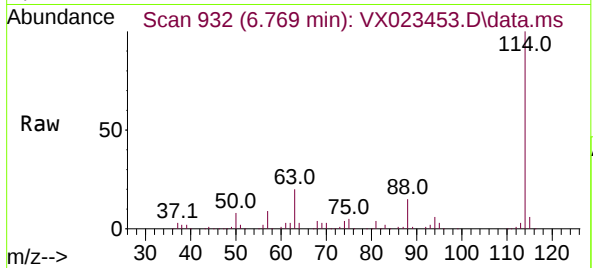




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023453.D
Acq: 26 Jul 2021 16:01

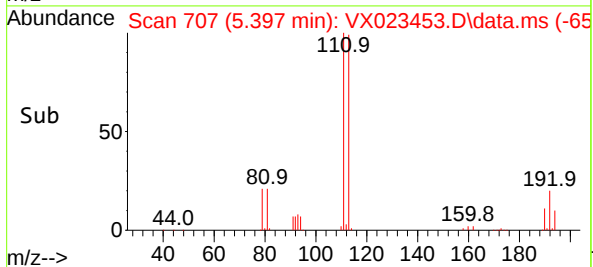
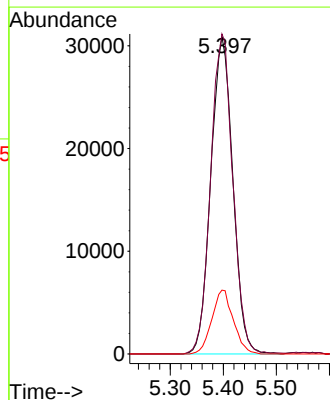
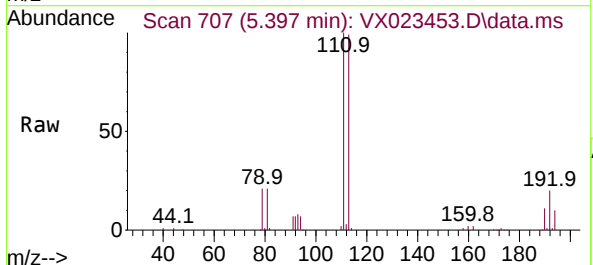
Instrument :
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ClientSampleId :

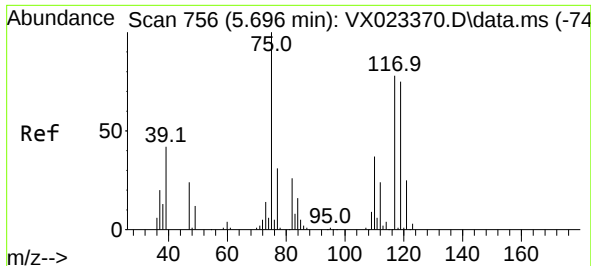
Tgt Ion:114 Resp: 278906
Ion Ratio Lower Upper
114 100
63 19.9 0.0 40.8
88 15.3 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.03 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023453.D
Acq: 26 Jul 2021 16:01

Tgt Ion:113 Resp: 88992
Ion Ratio Lower Upper
113 100
111 101.7 81.9 122.9
192 19.6 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.06 ug/l

RT: 5.556 min Scan# 733

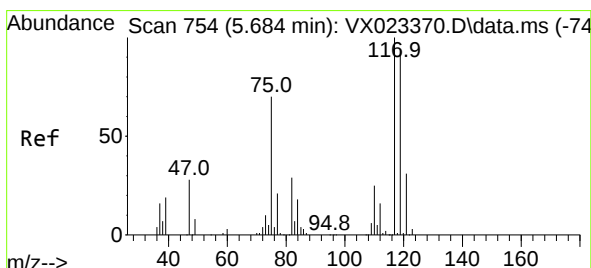
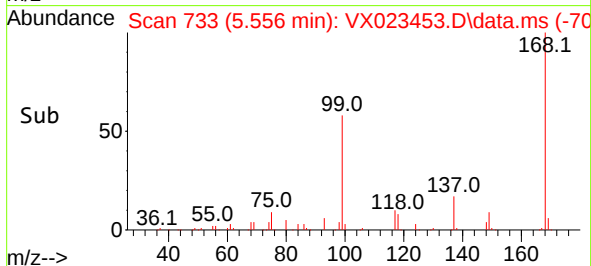
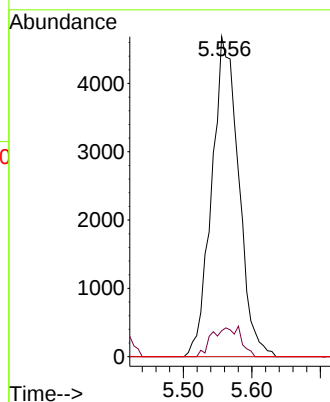
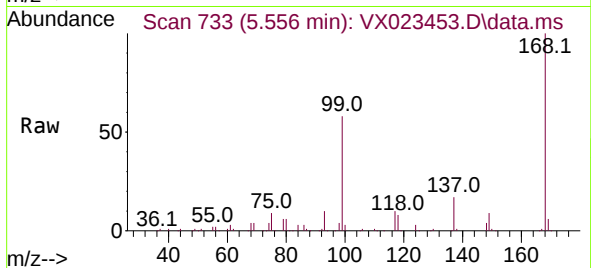
Delta R.T. -0.140 min

Lab File: VX023453.D

Acq: 26 Jul 2021 16:01

Tgt Ion:	75	Resp:	12771
Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.1	54.4#
77	0.0	25.3	37.9#

Instrument :
MSVOA_X
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.34 ug/l

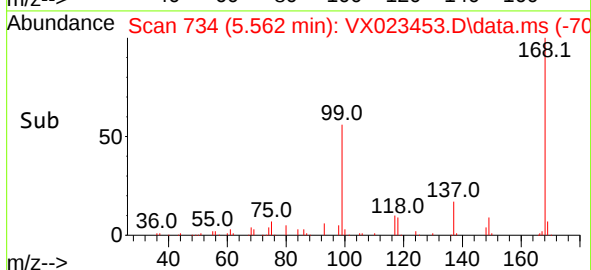
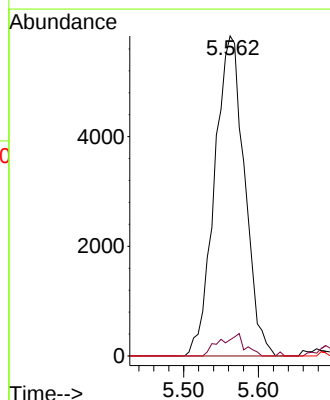
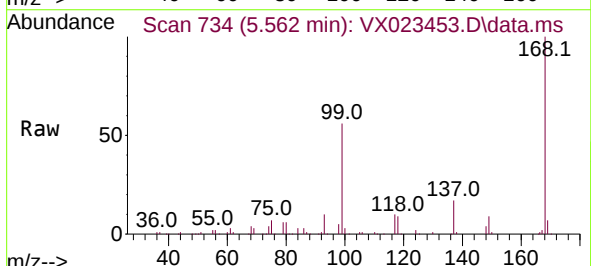
RT: 5.562 min Scan# 734

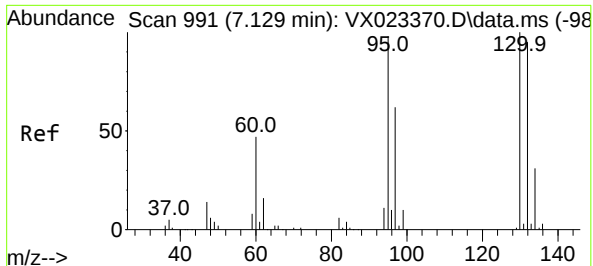
Delta R.T. -0.122 min

Lab File: VX023453.D

Acq: 26 Jul 2021 16:01

Tgt Ion:	117	Resp:	16255
Ion	Ratio	Lower	Upper
117	100		
119	5.1	76.2	114.2#
121	0.0	24.8	37.2#

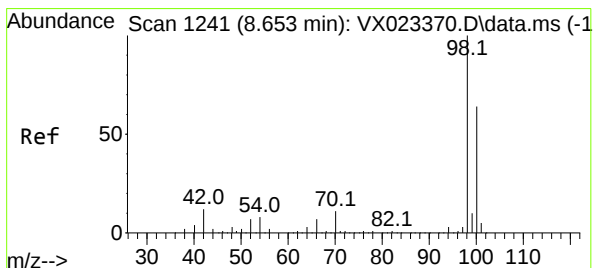
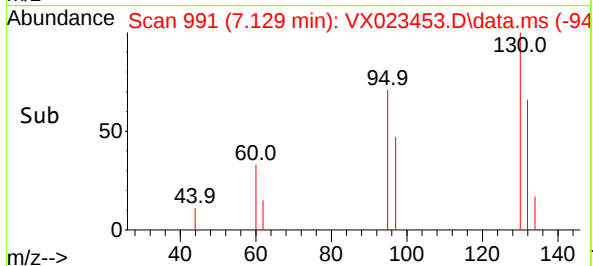
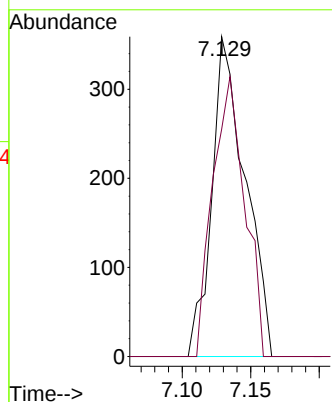
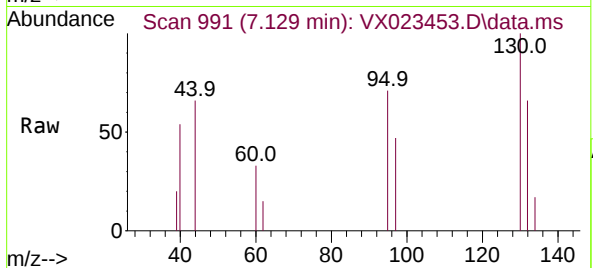




#44
Trichloroethene
Concen: 0.30 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX023453.D
Acq: 26 Jul 2021 16:01

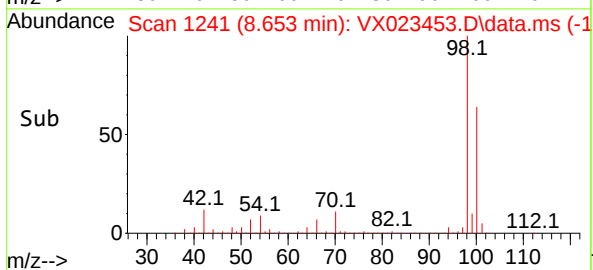
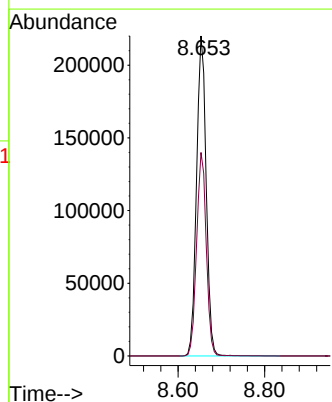
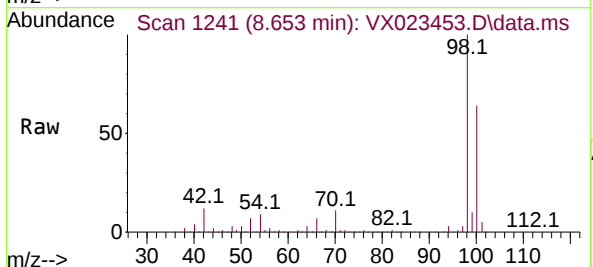
Instrument :
MSVOA_X
ClientSampled :

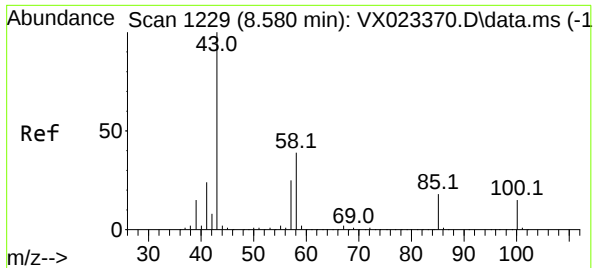
Tgt Ion:130 Resp: 609
Ion Ratio Lower Upper
130 100
95 71.0 0.0 198.0



#50
Toluene-d8
Concen: 53.05 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023453.D
Acq: 26 Jul 2021 16:01

Tgt Ion: 98 Resp: 339895
Ion Ratio Lower Upper
98 100
100 63.6 51.9 77.9

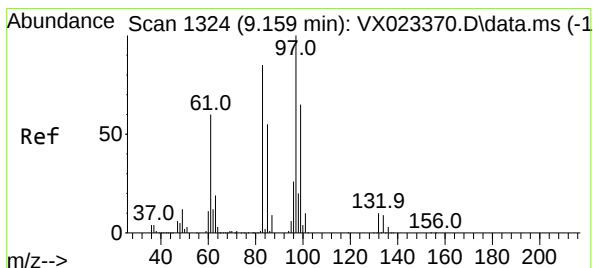
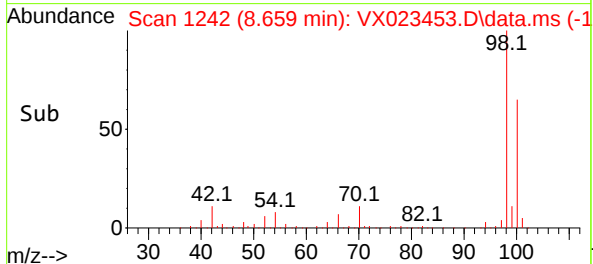
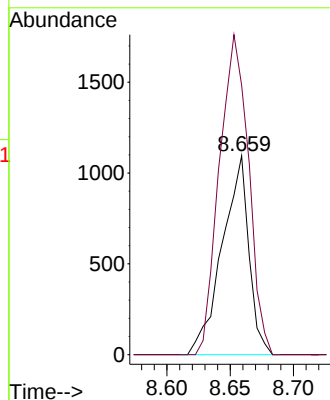
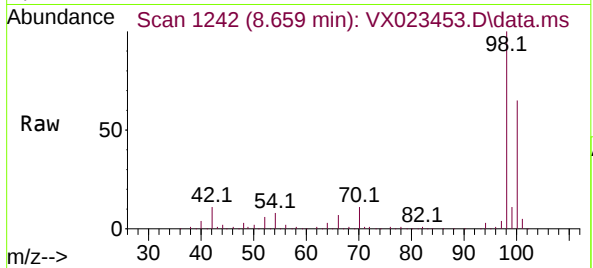




#51
4-Methyl-2-Pentanone
Concen: 0.53 ug/l
RT: 8.659 min Scan# 1242
Delta R.T. 0.079 min
Lab File: VX023453.D
Acq: 26 Jul 2021 16:01

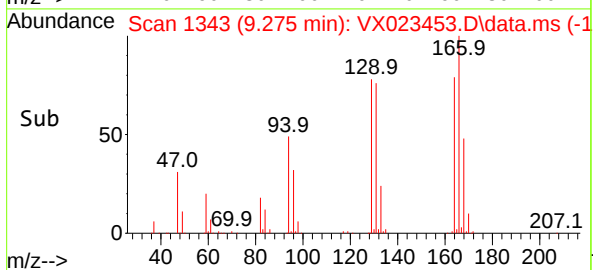
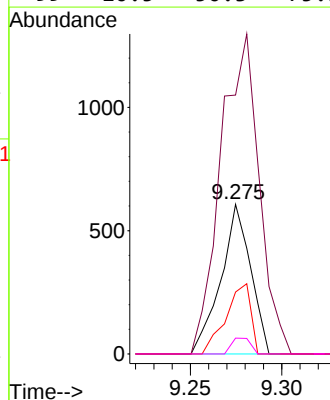
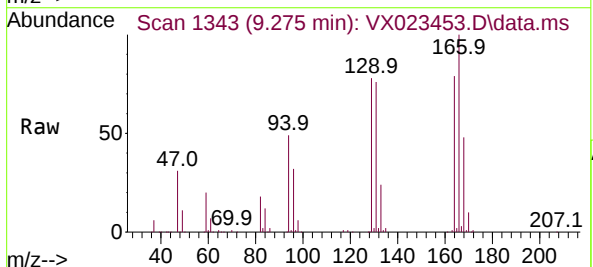
Instrument :
MSVOA_X
ClientSampled :

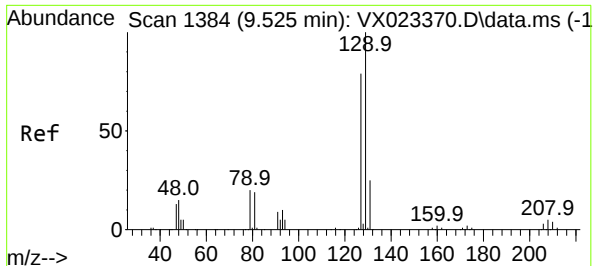
Tgt Ion: 43 Resp: 1606
Ion Ratio Lower Upper
43 100
58 176.0 35.4 53.0#



#55
1,1,2-Trichloroethane
Concen: 0.37 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.116 min
Lab File: VX023453.D
Acq: 26 Jul 2021 16:01

Tgt Ion: 97 Resp: 687
Ion Ratio Lower Upper
97 100
83 173.0 69.3 103.9#
85 41.4 44.3 66.5#
99 10.5 50.3 75.5#

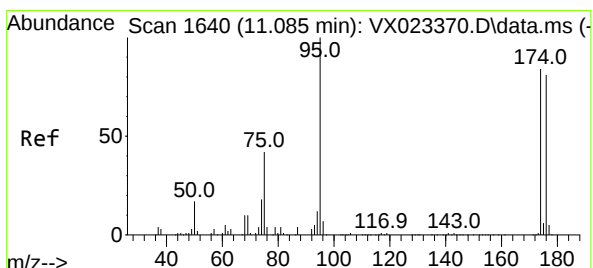
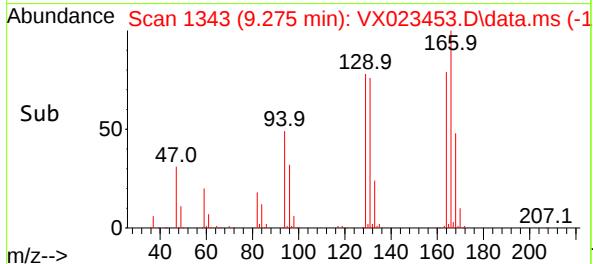
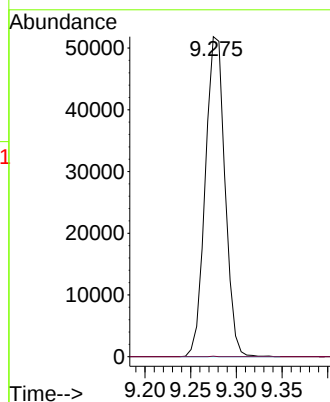
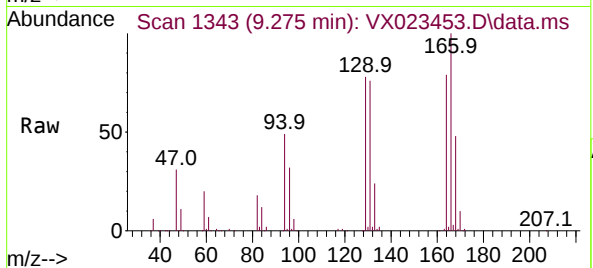




#60
Dibromochloromethane
Concen: 37.72 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX023453.D
Acq: 26 Jul 2021 16:01

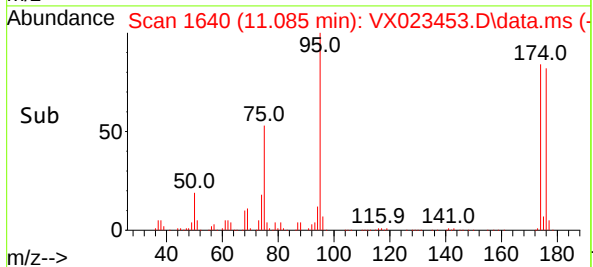
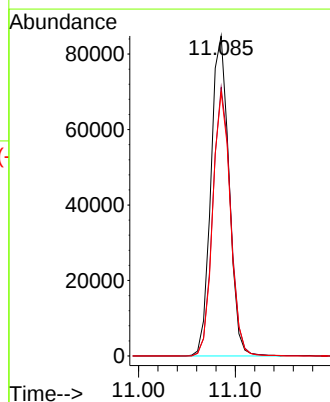
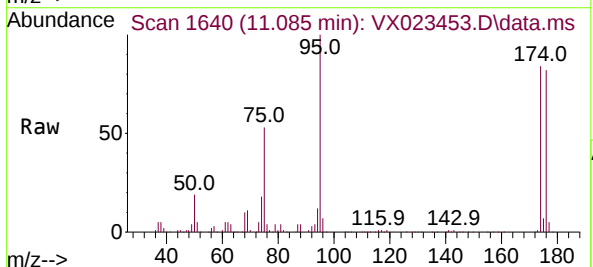
Instrument :
MSVOA_X
ClientSampled :

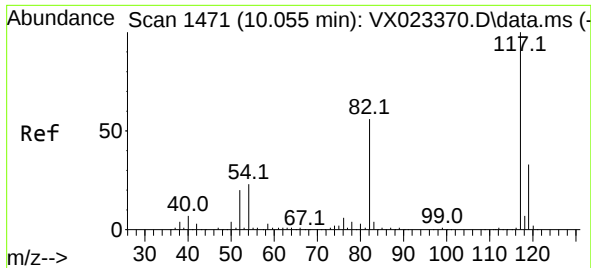
Tgt Ion:129 Resp: 77398
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 50.66 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023453.D
Acq: 26 Jul 2021 16:01

Tgt Ion: 95 Resp: 110368
Ion Ratio Lower Upper
95 100
174 82.2 0.0 154.6
176 80.3 0.0 155.8

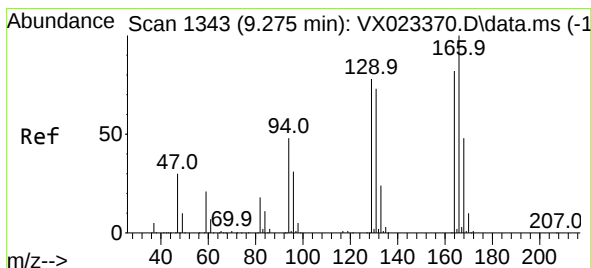
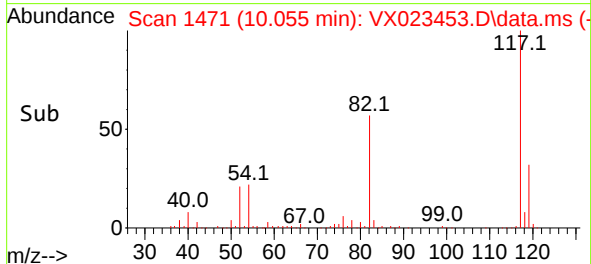
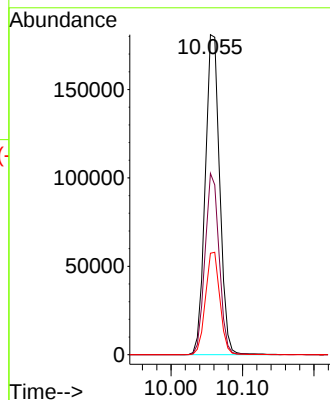
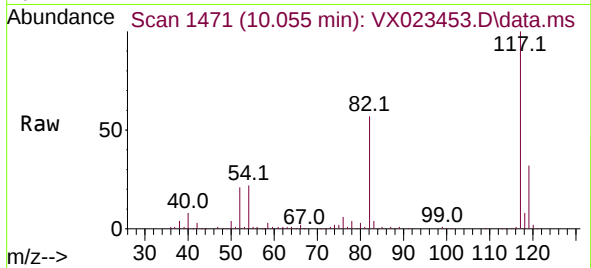




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023453.D
Acq: 26 Jul 2021 16:01

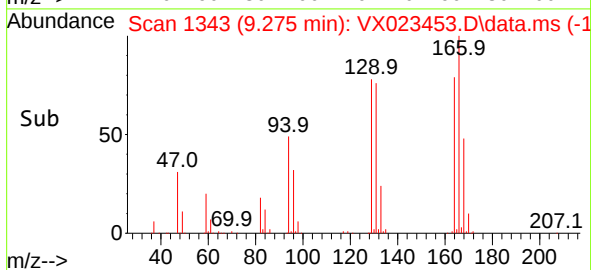
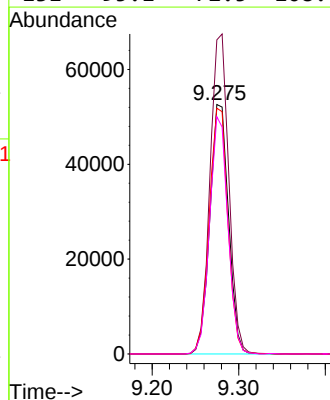
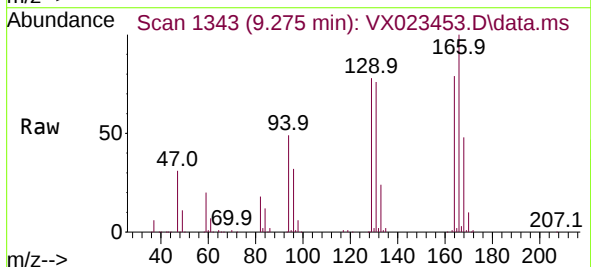
Instrument :
MSVOA_X
ClientSampled :

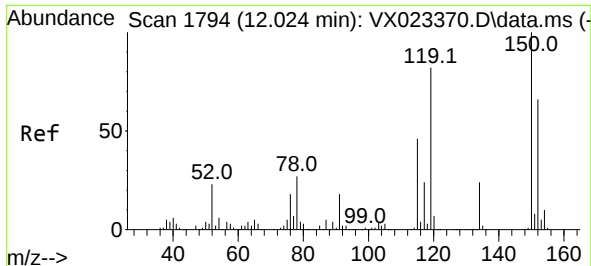
Tgt Ion:117 Resp: 254182
Ion Ratio Lower Upper
117 100
82 56.7 47.4 71.2
119 31.7 26.6 39.8



#64
Tetrachloroethene
Concen: 38.84 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX023453.D
Acq: 26 Jul 2021 16:01

Tgt Ion:164 Resp: 78569
Ion Ratio Lower Upper
164 100
166 125.9 103.4 155.2
129 98.5 70.8 106.2
131 95.1 72.5 108.7

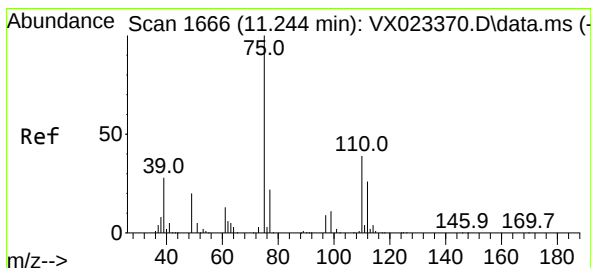
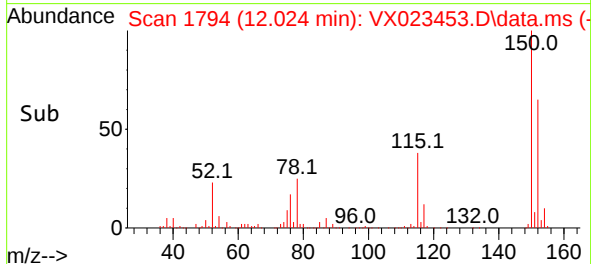
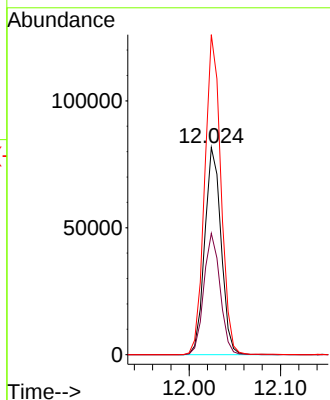
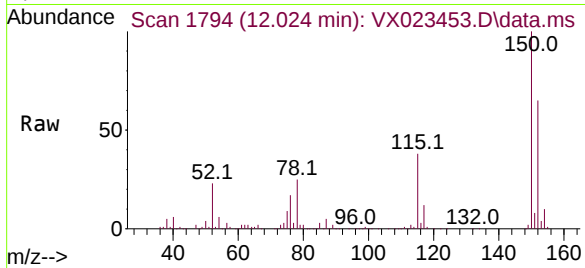




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023453.D
 Acq: 26 Jul 2021 16:01

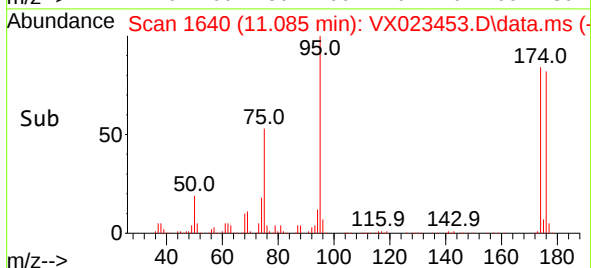
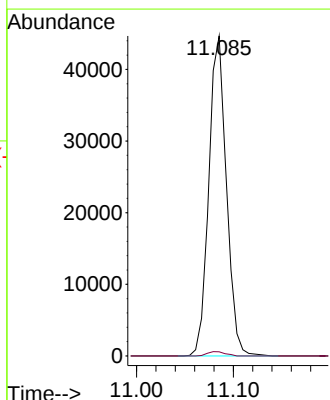
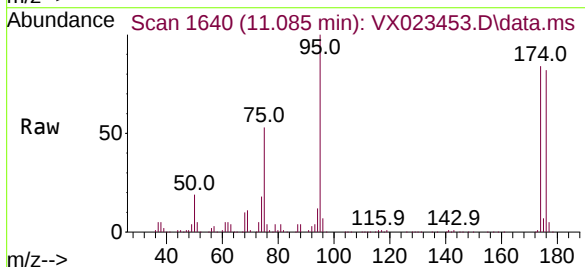
Instrument :
 MSVOA_X
 ClientSampled :

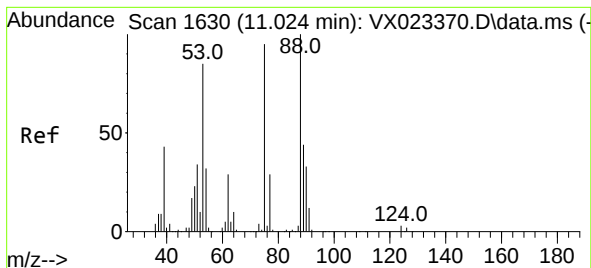
Tgt Ion:152 Resp: 101132
 Ion Ratio Lower Upper
 152 100
 115 58.3 41.1 123.3
 150 153.3 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.45 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023453.D
 Acq: 26 Jul 2021 16:01

Tgt Ion: 75 Resp: 56636
 Ion Ratio Lower Upper
 75 100
 77 1.4 19.1 57.5#

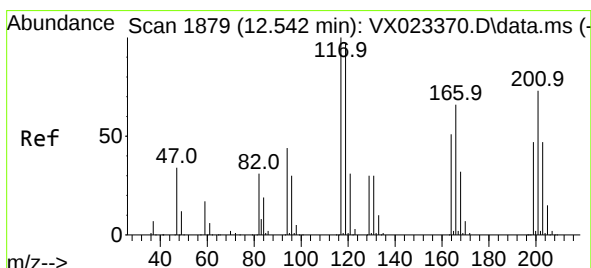
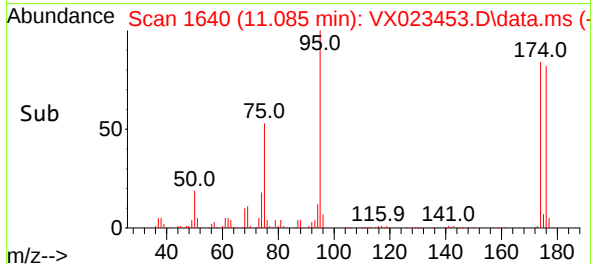
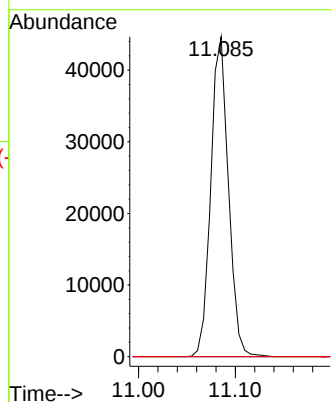
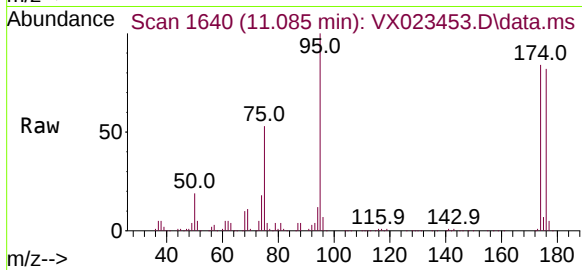




#81
trans-1,4-Dichloro-2-butene
Concen: 68.43 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023453.D
Acq: 26 Jul 2021 16:01

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 56636
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#90
Hexachloroethane
Concen: 3.05 ug/l
RT: 12.542 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VX023453.D
Acq: 26 Jul 2021 16:01

Tgt Ion: 117 Resp: 1369
Ion Ratio Lower Upper
117 100
201 66.2 40.4 121.2

