

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082721\
 Data File : VX023990.D
 Acq On : 27 Aug 2021 14:22
 Operator : JC/MD
 Sample : M3561-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 28 04:56:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

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

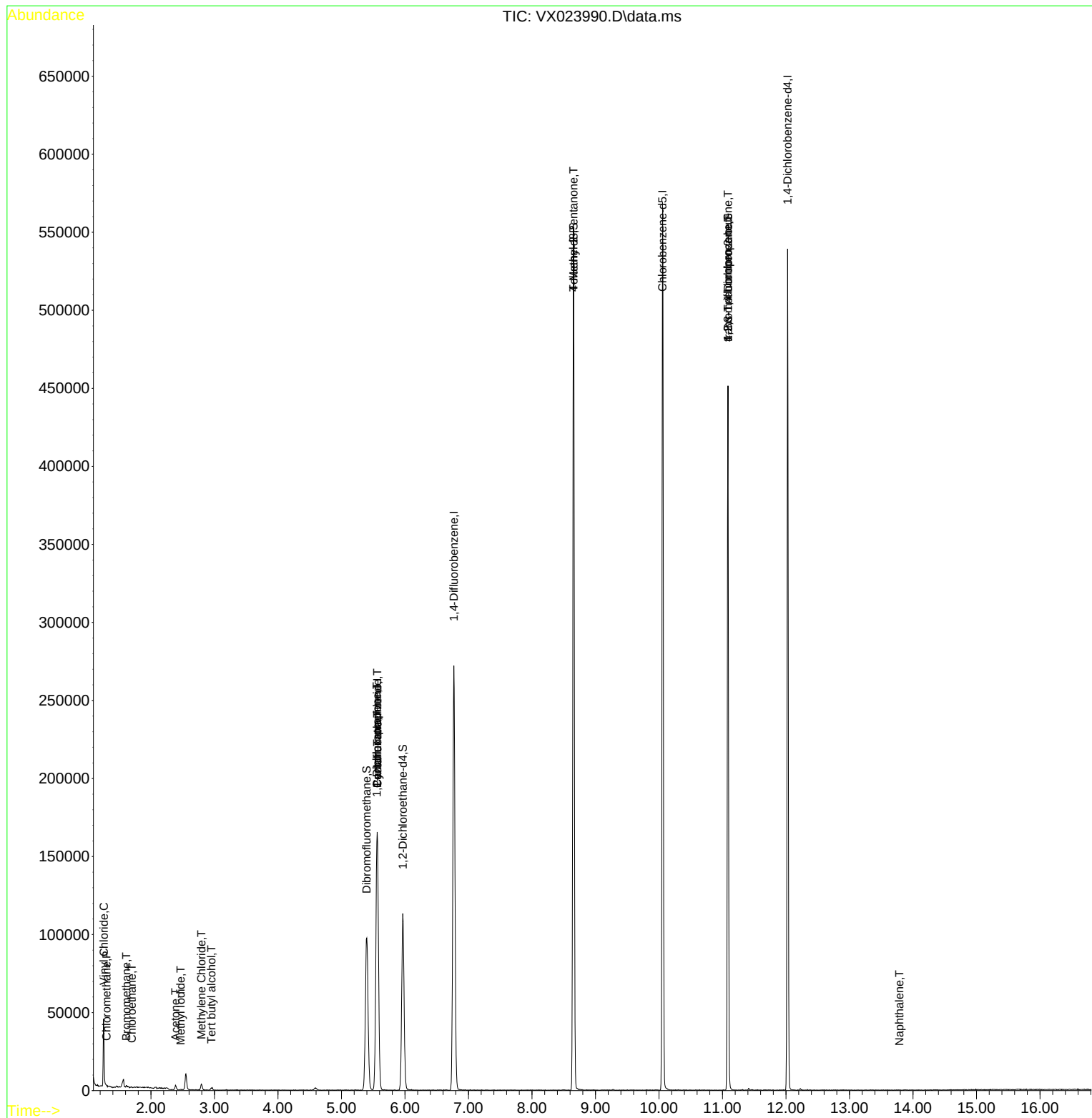
Internal Standards						
1) Pentafluorobenzene	5.562	168	156374	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	264653	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	251615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	106026	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	110169	50.479	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.960%	
35) Dibromofluoromethane	5.398	113	83916	47.906	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.820%	
50) Toluene-d8	8.653	98	315390	47.306	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 94.620%	
62) 4-Bromofluorobenzene	11.086	95	111385	45.384	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 90.760%	
Target Compounds						
						Qvalue
3) Chloromethane	1.301	50	377	0.208	ug/l	95
4) Vinyl Chloride	1.258	62	380	0.215	ug/l #	1
5) Bromomethane	1.612	94	558	0.502	ug/l #	67
6) Chloroethane	1.697	64	60	2.256	ug/l #	43
10) Methyl Iodide	2.465	142	464	0.212	ug/l #	80
11) Tert butyl alcohol	2.953	59	978	2.216	ug/l #	73
16) Acetone	2.386	43	3143	3.221	ug/l	95
20) Methylene Chloride	2.794	84	1565	0.840	ug/l	94
31) Cyclohexane	5.562	56	3755	1.339	ug/l #	4
36) 1,1-Dichloropropene	5.556	75	12891	5.260	ug/l #	51
38) Carbon Tetrachloride	5.562	117	16655	6.517	ug/l #	16
51) 4-Methyl-2-Pentanone	8.653	43	1694	0.556	ug/l #	1
76) 1,2,3-Trichloropropane	11.086	75	60340	24.396	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.086	75	60340	71.763	ug/l #	12
95) Naphthalene	13.786	128	114	1.297	ug/l #	69

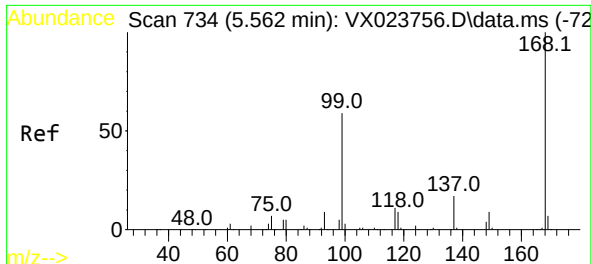
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 17 11:57:51 2021
Response via : Initial Calibration

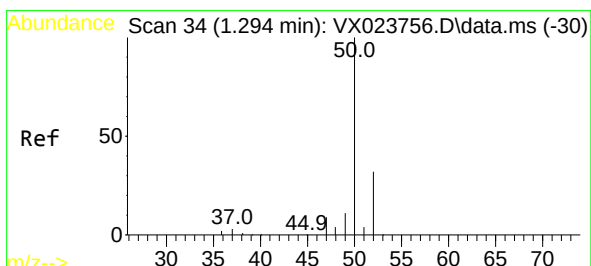
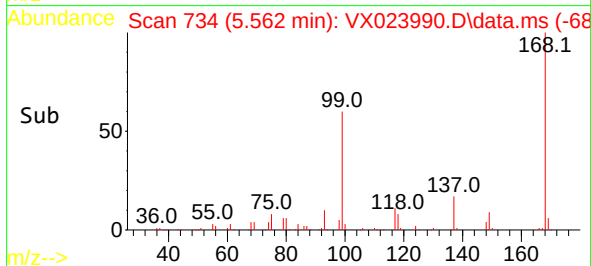
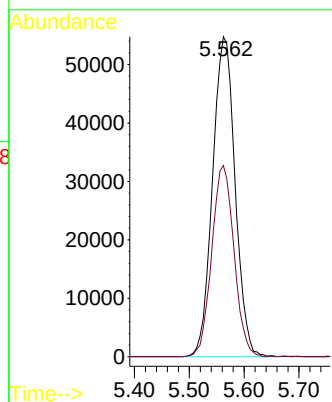
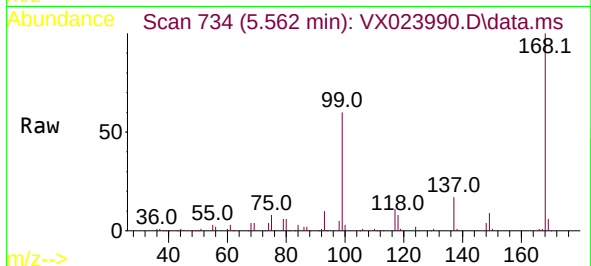




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023990.D
Acq: 27 Aug 2021 14:22

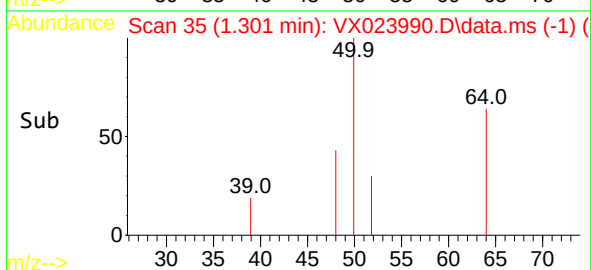
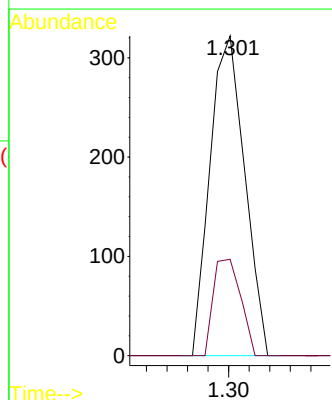
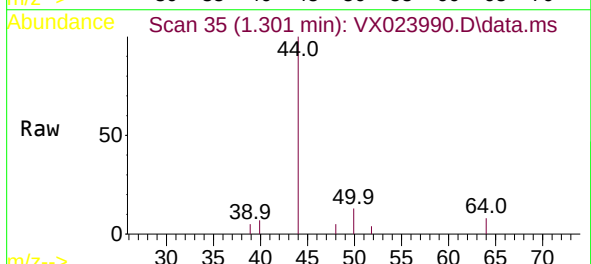
Instrument :
MSVOA_X
ClientSampled :

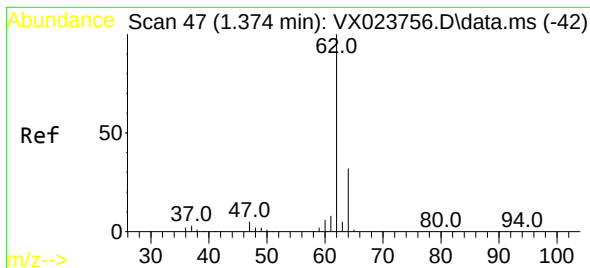
Tgt Ion:168 Resp: 156374
Ion Ratio Lower Upper
168 100
99 59.7 45.8 68.6



#3
Chloromethane
Concen: 0.208 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.007 min
Lab File: VX023990.D
Acq: 27 Aug 2021 14:22

Tgt Ion: 50 Resp: 377
Ion Ratio Lower Upper
50 100
52 30.1 26.4 39.6

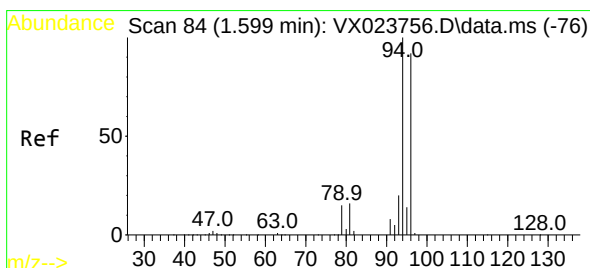
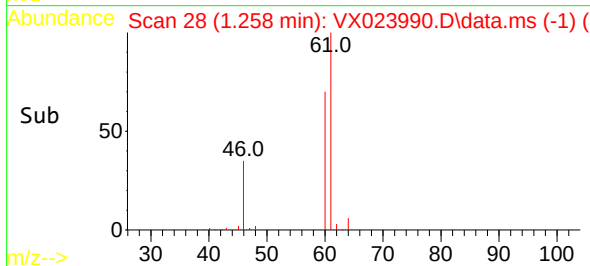
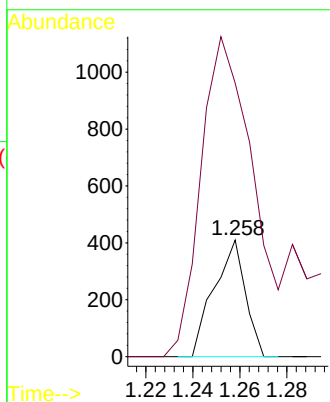
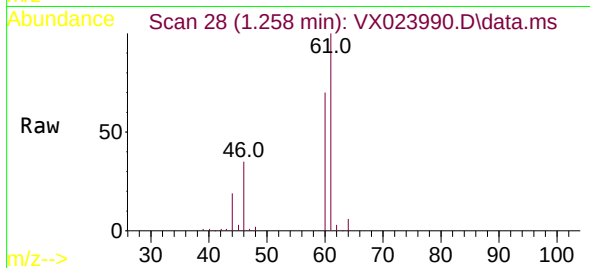




#4
 Vinyl Chloride
 Concen: 0.215 ug/l
 RT: 1.258 min Scan# 28
 Delta R.T. -0.116 min
 Lab File: VX023990.D
 Acq: 27 Aug 2021 14:22

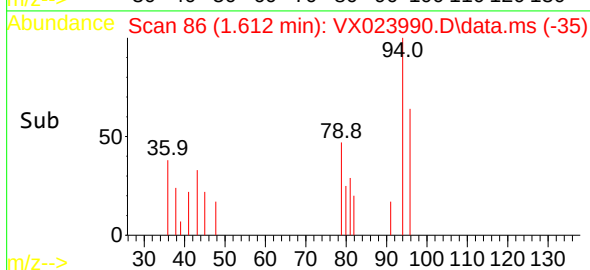
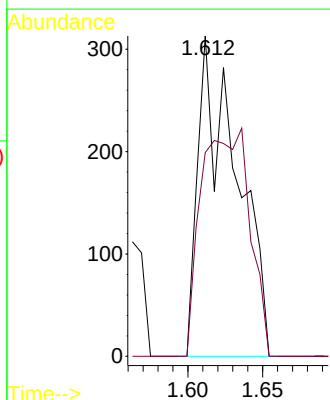
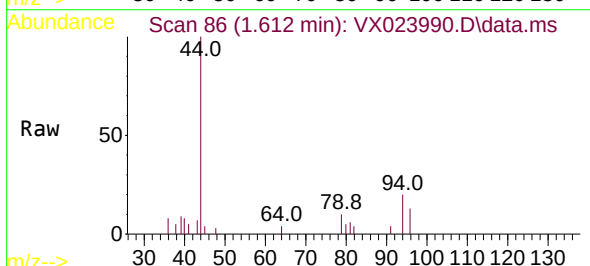
Instrument :
 MSVOA_X
 ClientSampled :

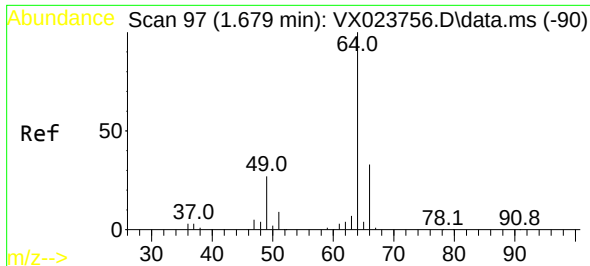
Tgt Ion: 62 Resp: 380
 Ion Ratio Lower Upper
 62 100
 64 220.5 25.7 38.5#



#5
 Bromomethane
 Concen: 0.502 ug/l
 RT: 1.612 min Scan# 86
 Delta R.T. 0.013 min
 Lab File: VX023990.D
 Acq: 27 Aug 2021 14:22

Tgt Ion: 94 Resp: 558
 Ion Ratio Lower Upper
 94 100
 96 63.6 76.4 114.6#

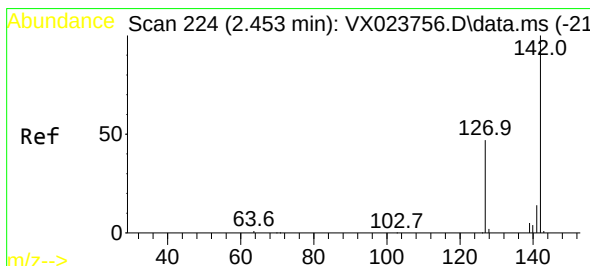
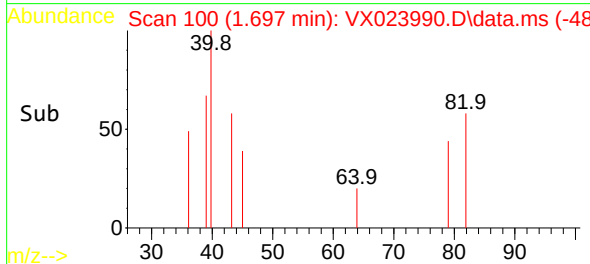
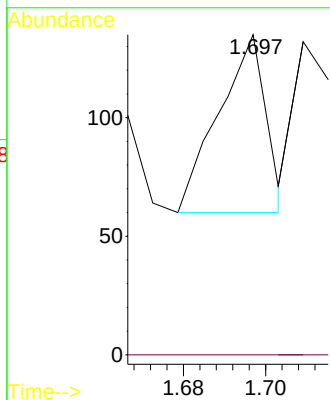
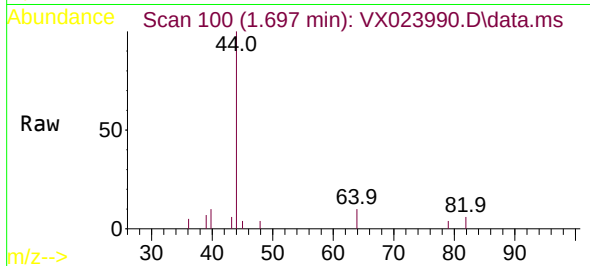




#6
Chloroethane
Concen: 2.256 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.018 min
Lab File: VX023990.D
Acq: 27 Aug 2021 14:22

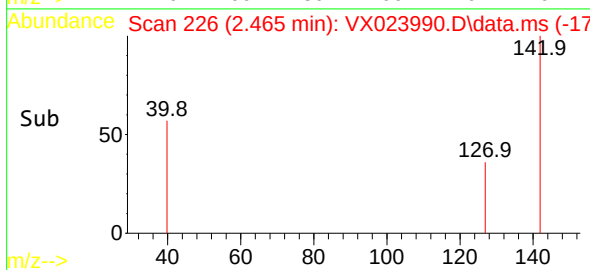
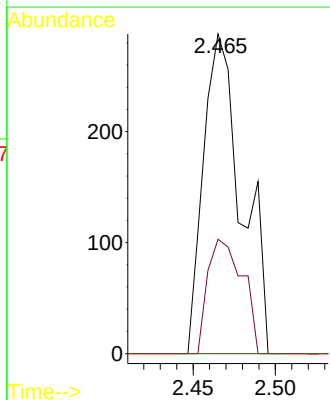
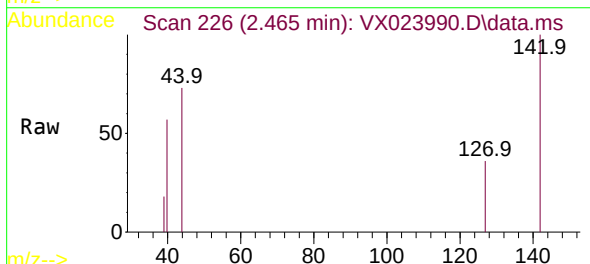
Instrument :
MSVOA_X
ClientSampled :

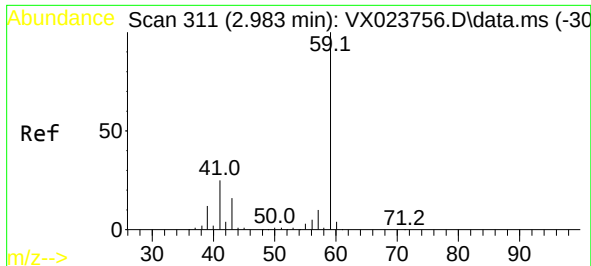
Tgt Ion: 64 Resp: 60
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 0.212 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX023990.D
Acq: 27 Aug 2021 14:22

Tgt Ion: 142 Resp: 464
Ion Ratio Lower Upper
142 100
127 32.5 33.3 49.9#
141 0.0 11.4 17.0#



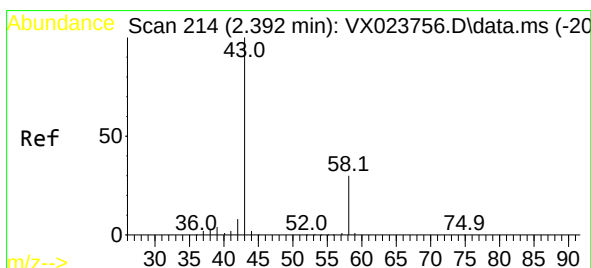
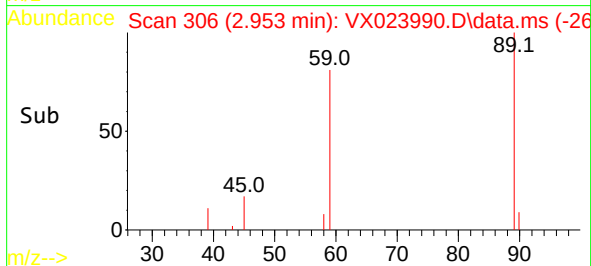
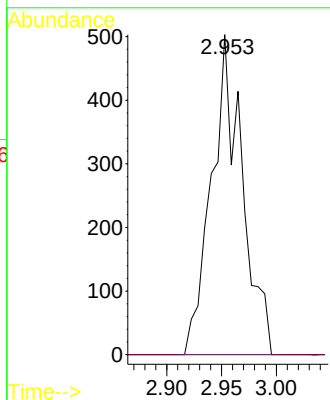
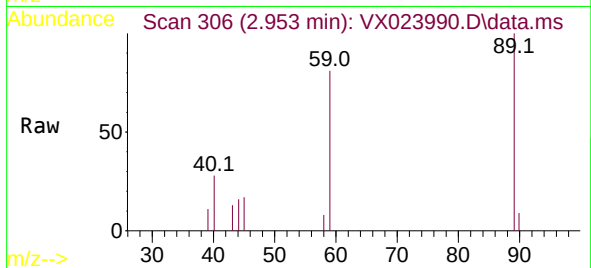


#11

Tert butyl alcohol
Concen: 2.216 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX023990.D
Acq: 27 Aug 2021 14:22

Instrument :
MSVOA_X
ClientSampled :

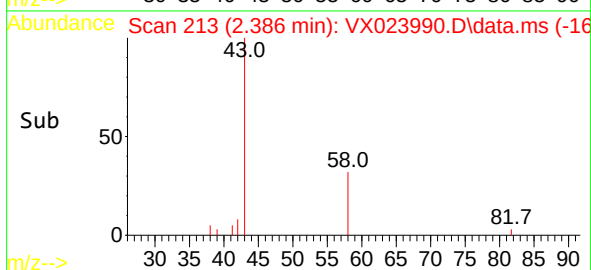
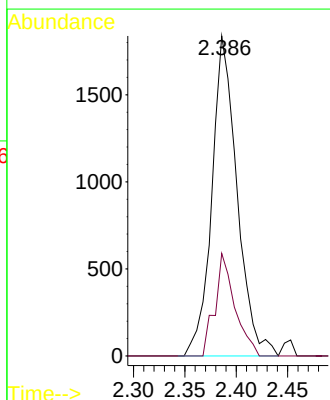
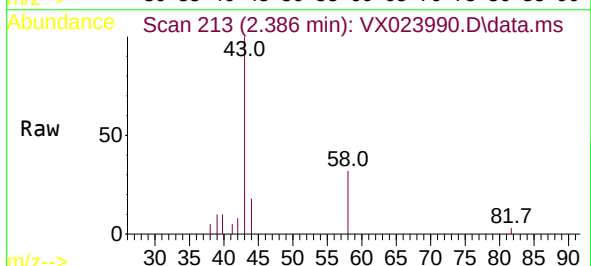
Tgt Ion: 59 Resp: 978
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

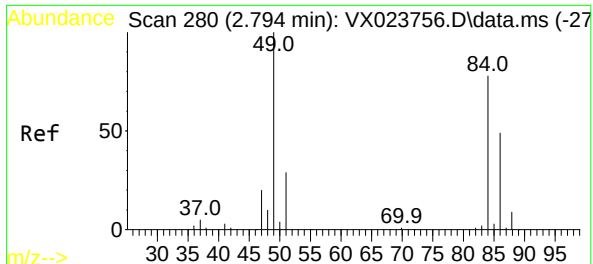


#16

Acetone
Concen: 3.221 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023990.D
Acq: 27 Aug 2021 14:22

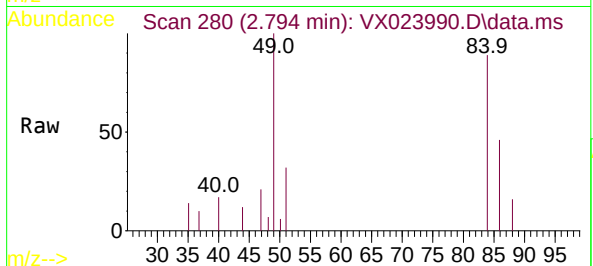
Tgt Ion: 43 Resp: 3143
Ion Ratio Lower Upper
43 100
58 32.0 27.8 41.8



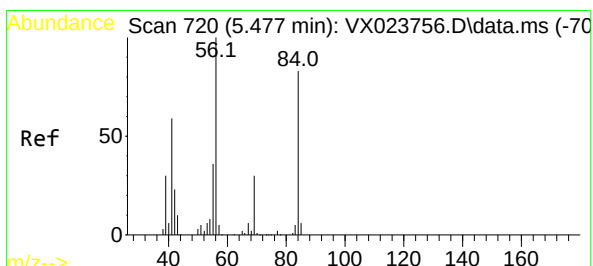
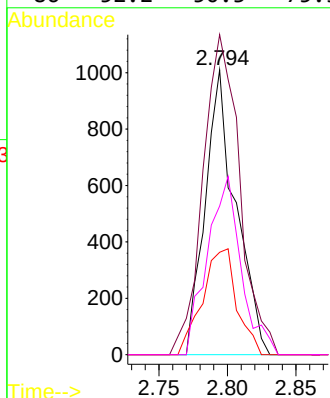
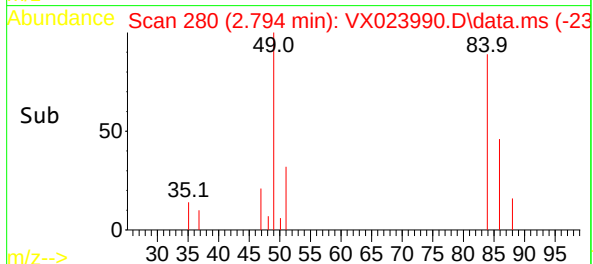


#20
Methylene Chloride
Concen: 0.840 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023990.D
Acq: 27 Aug 2021 14:22

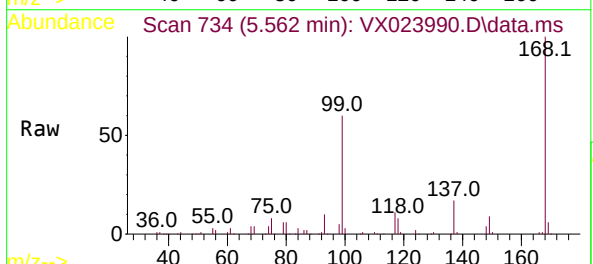
Instrument :
MSVOA_X
ClientSampleId :



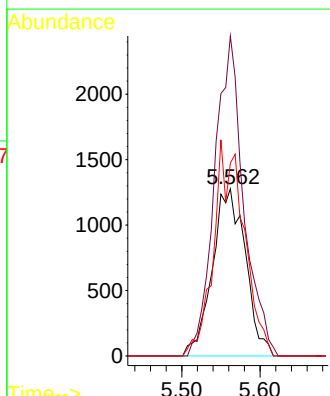
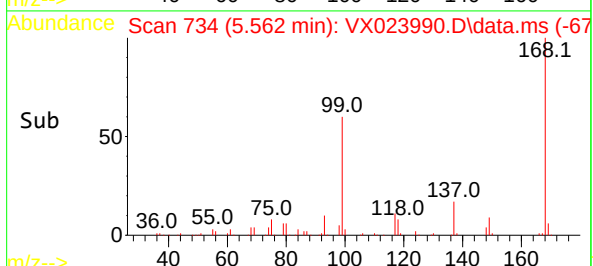
Tgt Ion:	84	Resp:	1565
Ion	Ratio	Lower	Upper
84	100		
49	112.4	88.6	132.8
51	35.9	27.0	40.6
86	52.2	50.3	75.5

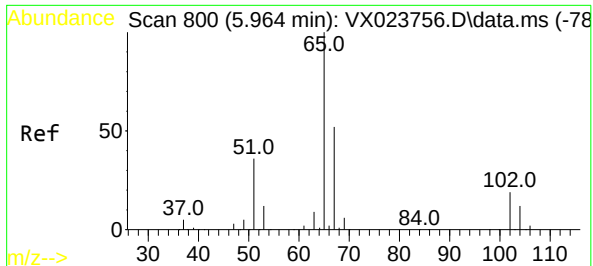


#31
Cyclohexane
Concen: 1.339 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023990.D
Acq: 27 Aug 2021 14:22



Tgt Ion:	56	Resp:	3755
Ion	Ratio	Lower	Upper
56	100		
69	191.3	25.3	37.9#
84	115.3	71.4	107.0#



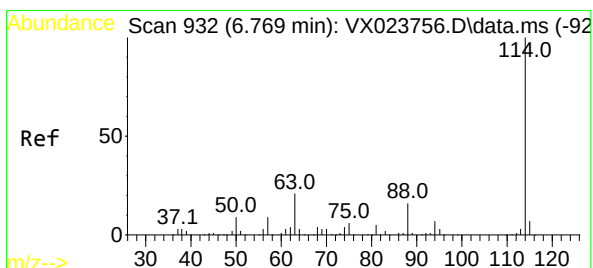
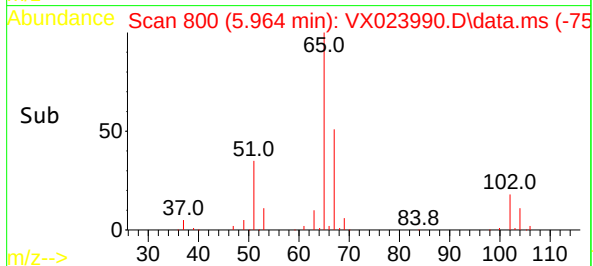
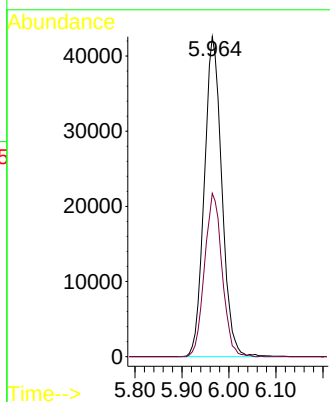
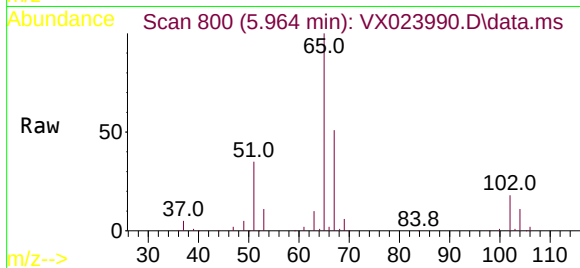


#33

1,2-Dichloroethane-d4
Concen: 50.479 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023990.D
Acq: 27 Aug 2021 14:22

Instrument :
MSVOA_X
ClientSampled :

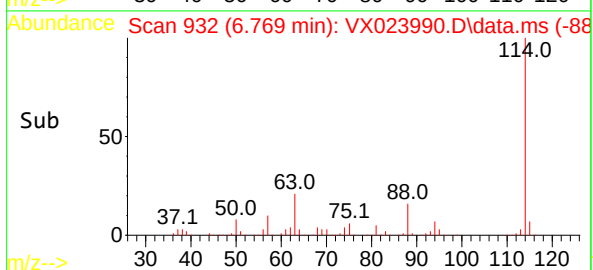
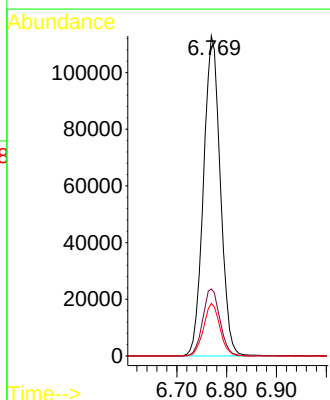
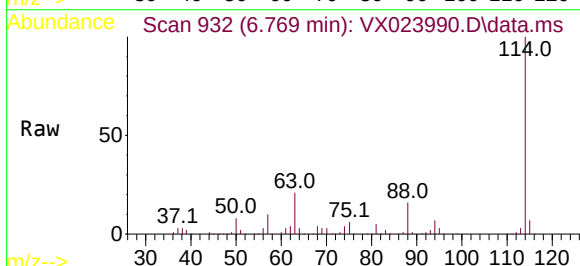
Tgt Ion: 65 Resp: 110169
Ion Ratio Lower Upper
65 100
67 51.0 0.0 105.4

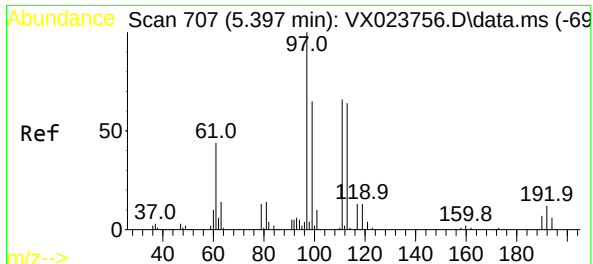


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023990.D
Acq: 27 Aug 2021 14:22

Tgt Ion: 114 Resp: 264653
Ion Ratio Lower Upper
114 100
63 21.0 0.0 40.8
88 16.4 0.0 32.8

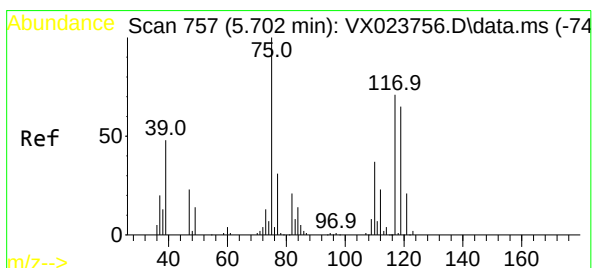
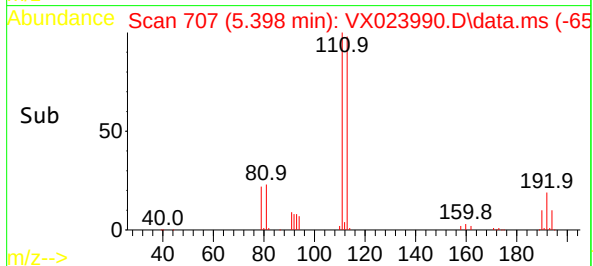
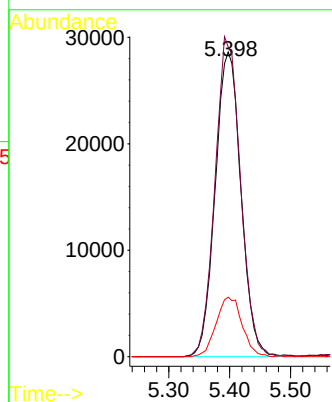
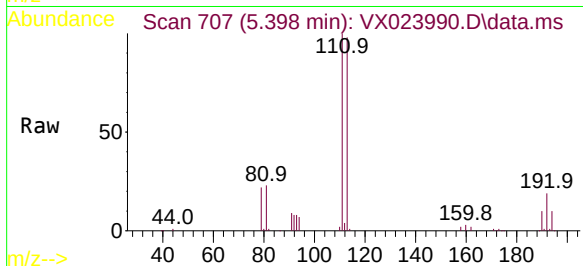




#35
Dibromofluoromethane
Concen: 47.906 ug/l
RT: 5.398 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023990.D
Acq: 27 Aug 2021 14:22

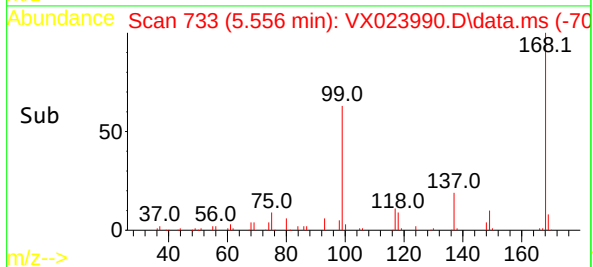
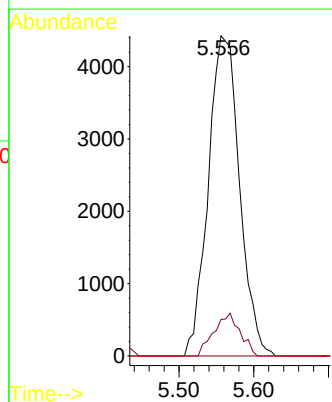
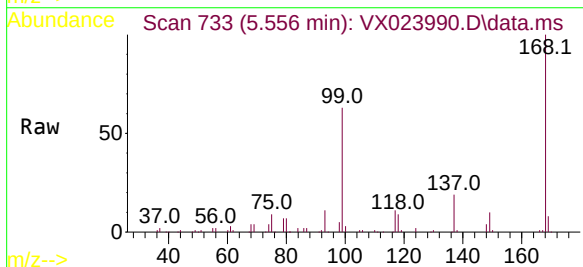
Instrument :
MSVOA_X
ClientSampled :

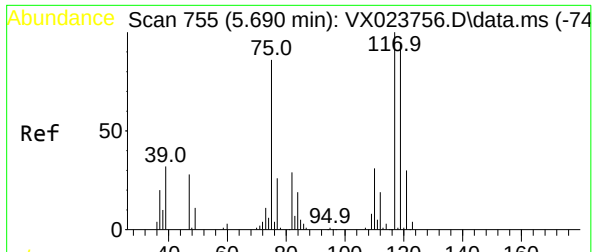
Tgt Ion:113 Resp: 83916
Ion Ratio Lower Upper
113 100
111 103.9 81.9 122.9
192 19.7 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.260 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX023990.D
Acq: 27 Aug 2021 14:22

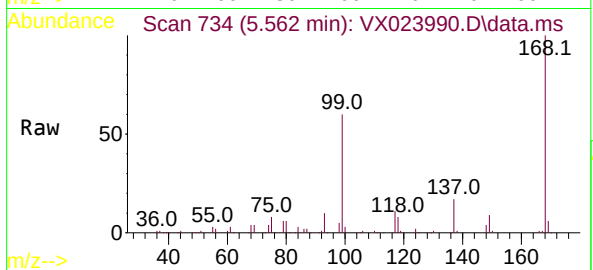
Tgt Ion: 75 Resp: 12891
Ion Ratio Lower Upper
75 100
110 11.1 18.1 54.4#
77 0.0 25.3 37.9#



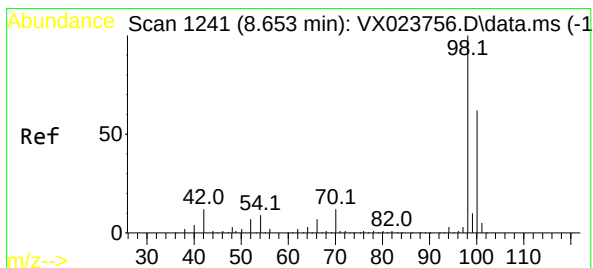
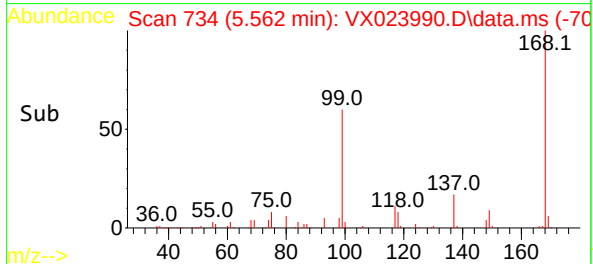
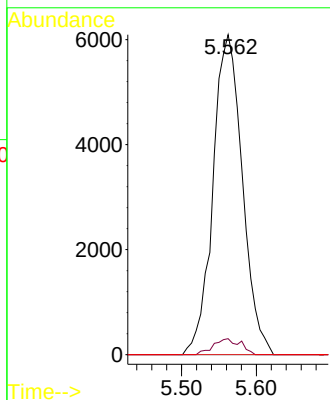


#38
Carbon Tetrachloride
Concen: 6.517 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX023990.D
Acq: 27 Aug 2021 14:22

Instrument :
MSVOA_X
ClientSampleId :

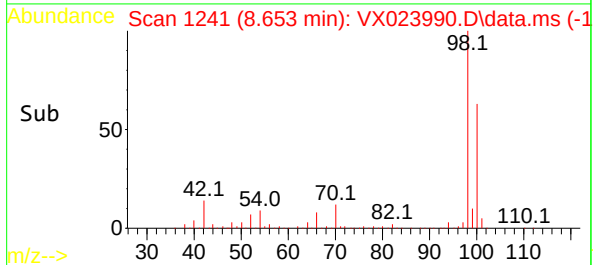
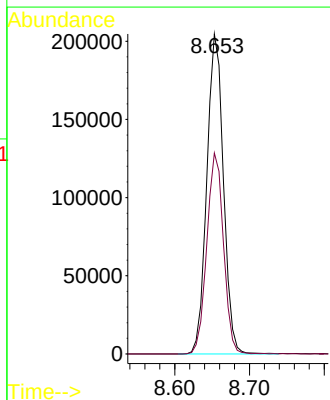
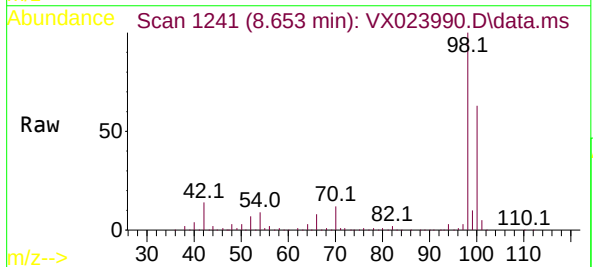


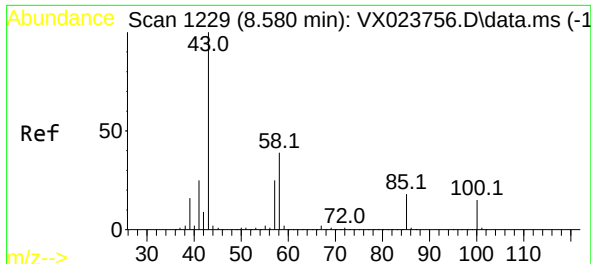
Tgt Ion:117 Resp: 16655
Ion Ratio Lower Upper
117 100
119 5.0 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 47.306 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX023990.D
Acq: 27 Aug 2021 14:22

Tgt Ion: 98 Resp: 315390
Ion Ratio Lower Upper
98 100
100 63.1 51.9 77.9

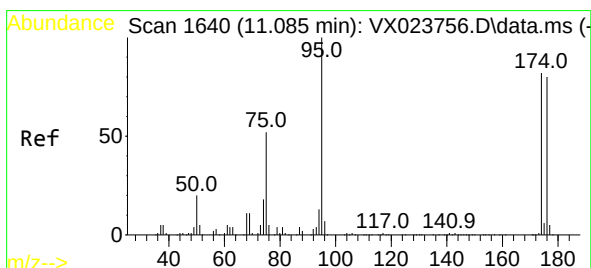
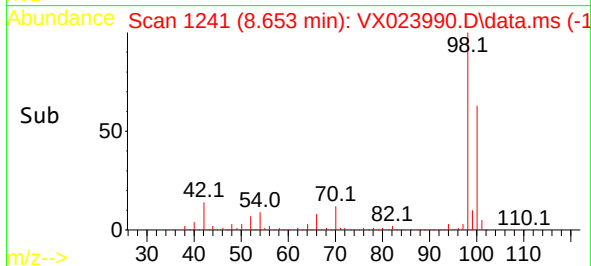
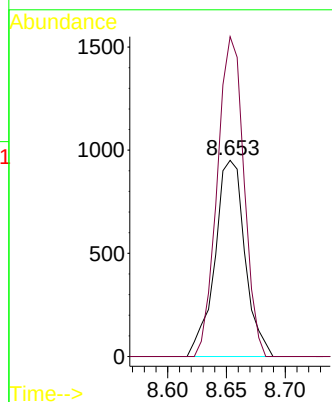
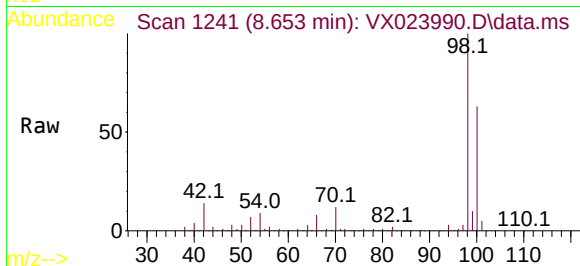




#51
4-Methyl-2-Pentanone
Concen: 0.556 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX023990.D
Acq: 27 Aug 2021 14:22

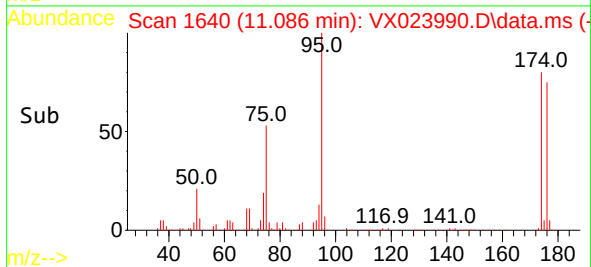
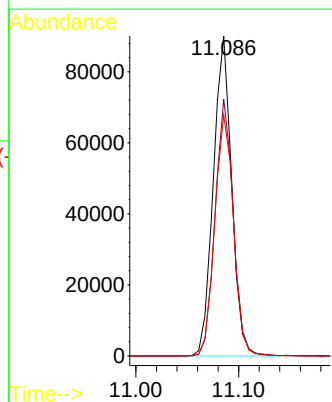
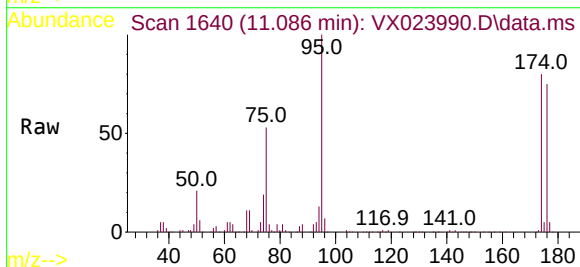
Instrument :
MSVOA_X
ClientSampled :

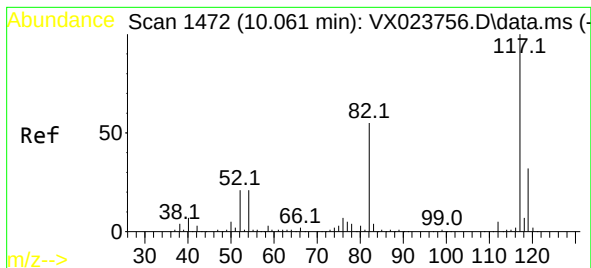
Tgt Ion: 43 Resp: 1694
Ion Ratio Lower Upper
43 100
58 144.3 35.4 53.0#



#62
4-Bromofluorobenzene
Concen: 45.384 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023990.D
Acq: 27 Aug 2021 14:22

Tgt Ion: 95 Resp: 111385
Ion Ratio Lower Upper
95 100
174 79.5 0.0 154.6
176 77.1 0.0 155.8

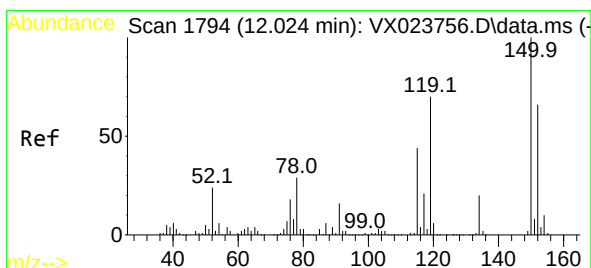
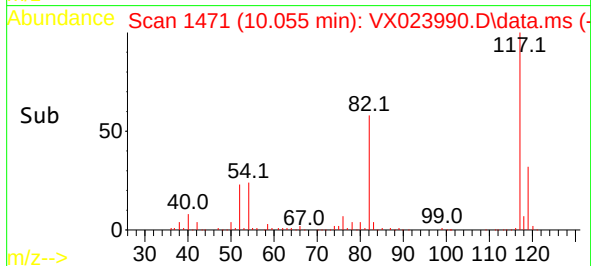
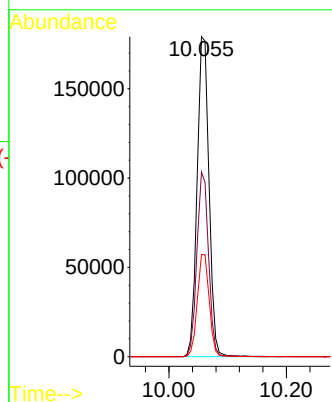
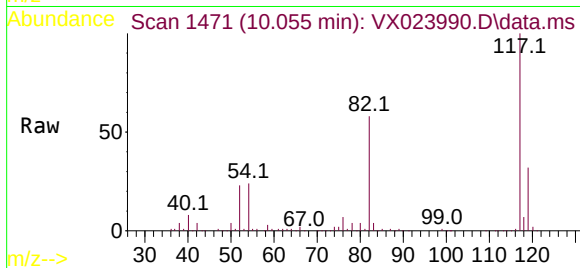




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023990.D
Acq: 27 Aug 2021 14:22

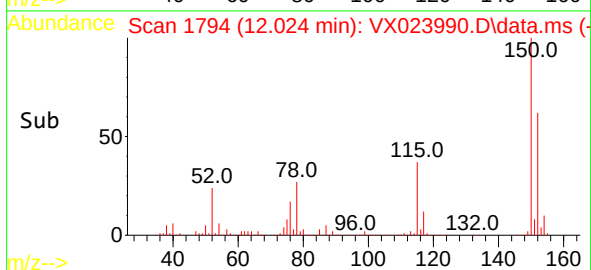
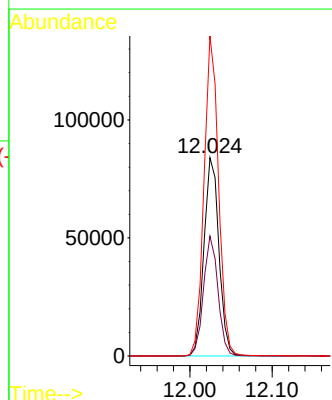
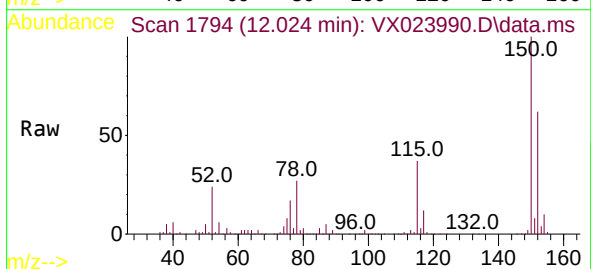
Instrument :
MSVOA_X
ClientSampled :

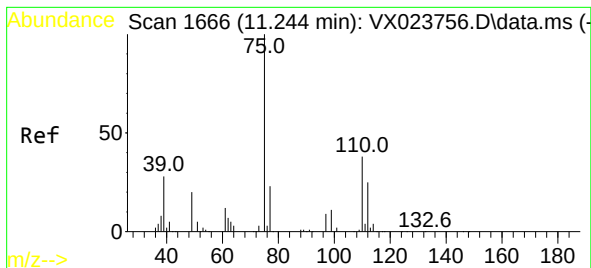
Tgt Ion:117 Resp: 251615
Ion Ratio Lower Upper
117 100
82 57.7 47.4 71.2
119 31.9 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023990.D
Acq: 27 Aug 2021 14:22

Tgt Ion:152 Resp: 106026
Ion Ratio Lower Upper
152 100
115 58.6 41.1 123.3
150 156.7 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 24.396 ug/l

RT: 11.086 min Scan# 1640

Delta R.T. -0.159 min

Lab File: VX023990.D

Acq: 27 Aug 2021 14:22

Tgt Ion: 75 Resp: 60340

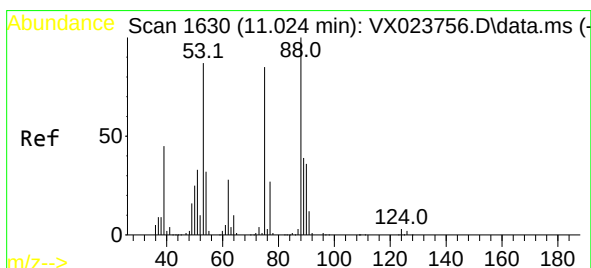
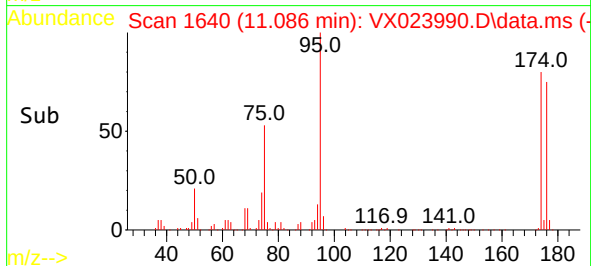
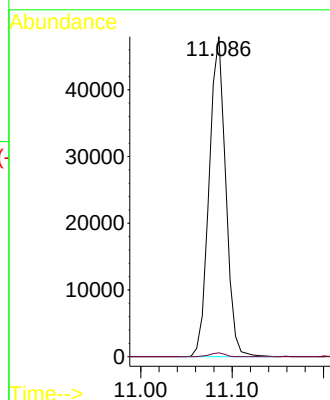
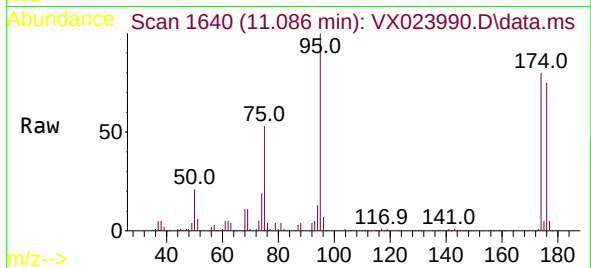
Ion Ratio Lower Upper

75 100
77 1.1 19.1 57.5#

Instrument :

MSVOA_X

ClientSampled :



#81

trans-1,4-Dichloro-2-butene

Concen: 71.763 ug/l

RT: 11.086 min Scan# 1640

Delta R.T. 0.062 min

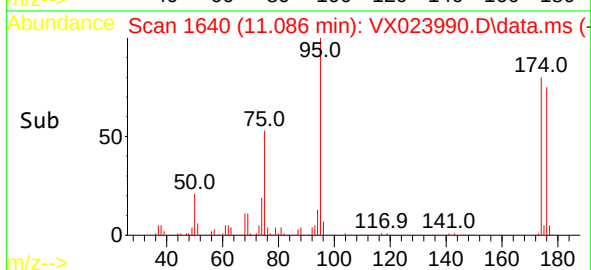
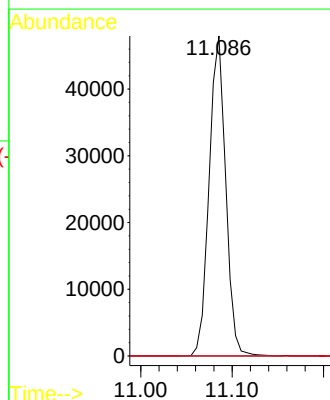
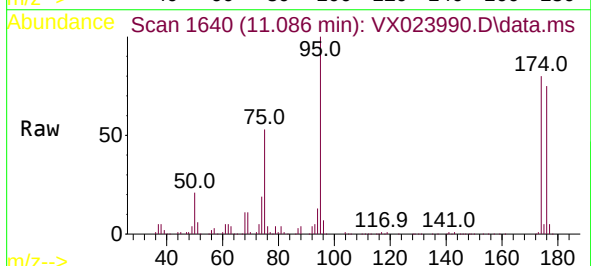
Lab File: VX023990.D

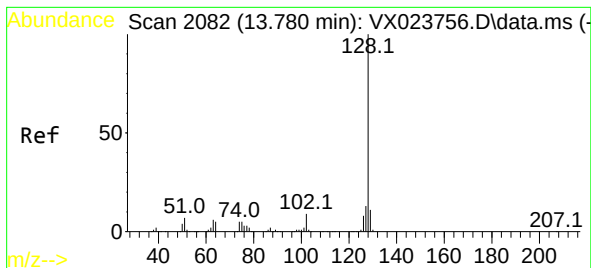
Acq: 27 Aug 2021 14:22

Tgt Ion: 75 Resp: 60340

Ion Ratio Lower Upper

75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.297 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX023990.D
Acq: 27 Aug 2021 14:22

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128 Resp: 114
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

