

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082221\
 Data File : VX023887.D
 Acq On : 20 Aug 2021 19:08
 Operator : JC/MD
 Sample : M3511-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 21 01:15:13 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	137286	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	237741	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	223691	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90349	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	100055	52.219	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	104.440%
35) Dibromofluoromethane	5.397	113	77289	49.118	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.240%
50) Toluene-d8	8.653	98	287773	48.050	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.100%
62) 4-Bromofluorobenzene	11.085	95	100217	45.456	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.920%

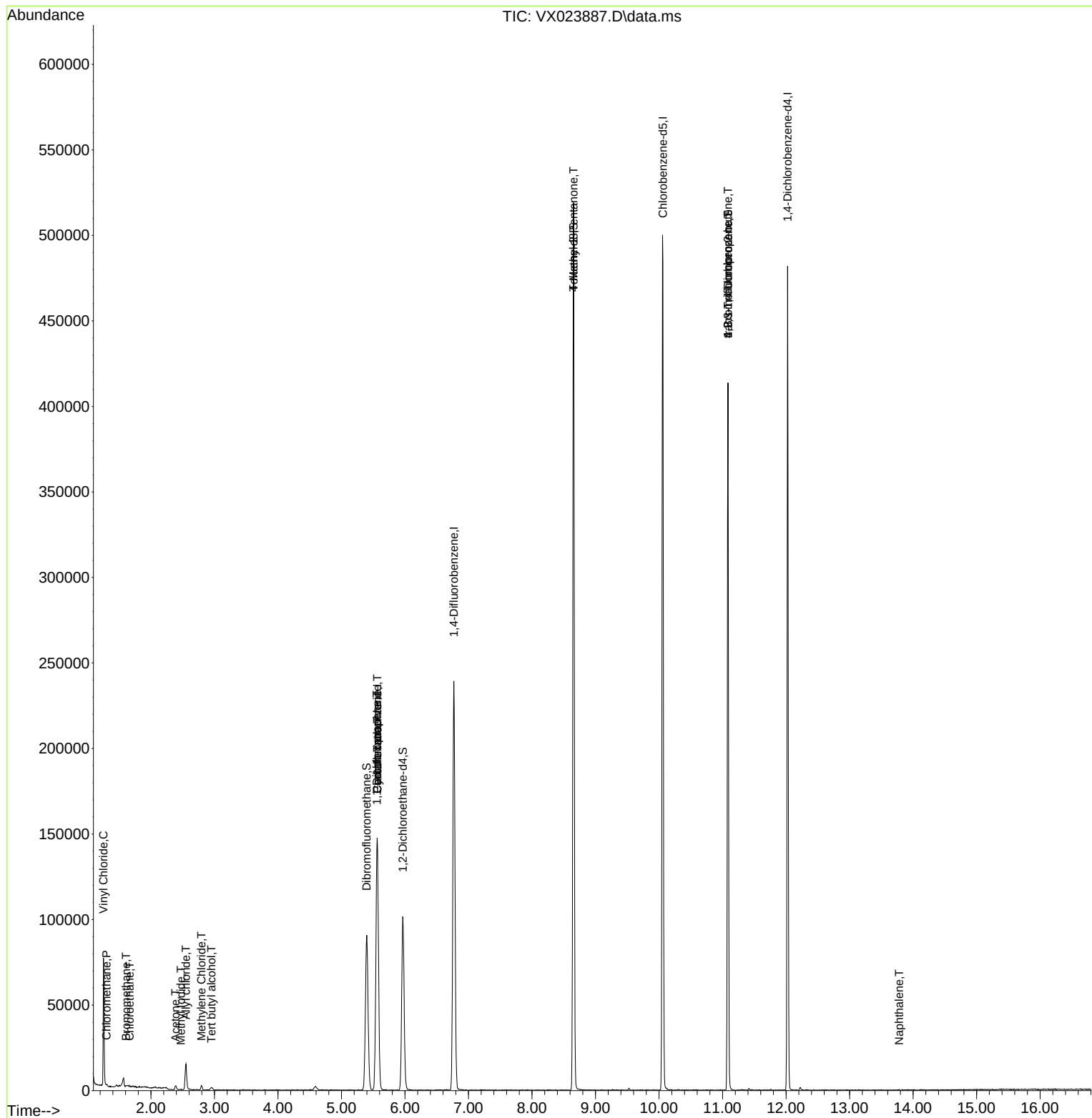
Target Compounds			Qvalue			
3) Chloromethane	1.300	50	611	0.384	ug/l #	82
4) Vinyl Chloride	1.251	62	584	0.377	ug/l #	69
5) Bromomethane	1.605	94	670	0.687	ug/l #	58
6) Chloroethane	1.666	64	50	2.254	ug/l #	43
10) Methyl Iodide	2.471	142	573	0.299	ug/l #	74
11) Tert butyl alcohol	2.952	59	1248	3.221	ug/l #	73
14) Allyl chloride	2.550	41	1731	0.713	ug/l #	56
16) Acetone	2.385	43	2669	3.115	ug/l #	84
20) Methylene Chloride	2.794	84	1057	0.646	ug/l #	84
31) Cyclohexane	5.562	56	3216	1.306	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	11014	5.003	ug/l #	50
38) Carbon Tetrachloride	5.562	117	14753	6.426	ug/l #	18
51) 4-Methyl-2-Pentanone	8.653	43	1498	0.547	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	55672	26.415	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	55672	77.700	ug/l #	12
95) Naphthalene	13.780	128	140	1.303	ug/l #	69

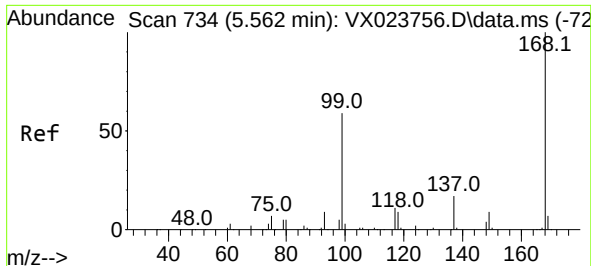
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 17 11:57:51 2021
Response via : Initial Calibration

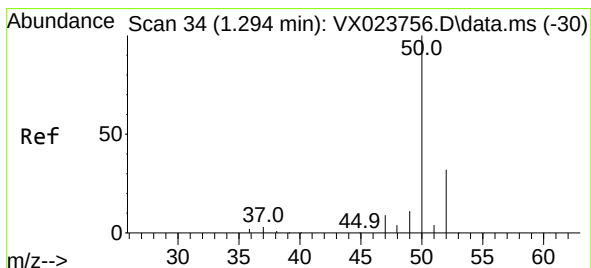
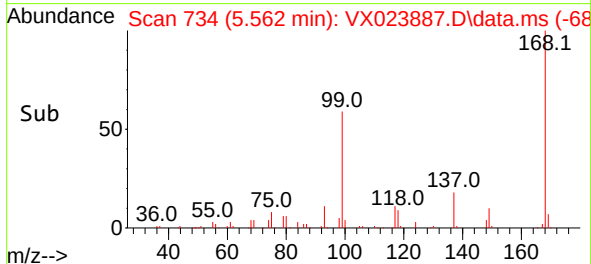
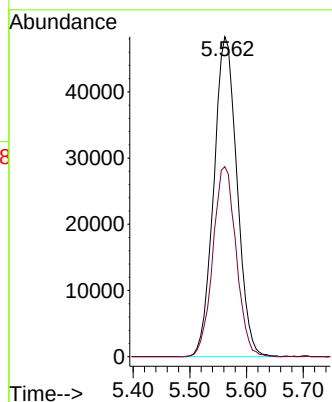
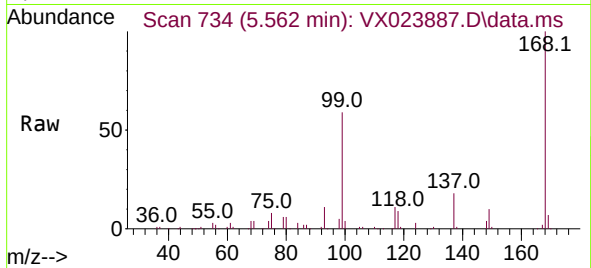




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023887.D
Acq: 20 Aug 2021 19:08

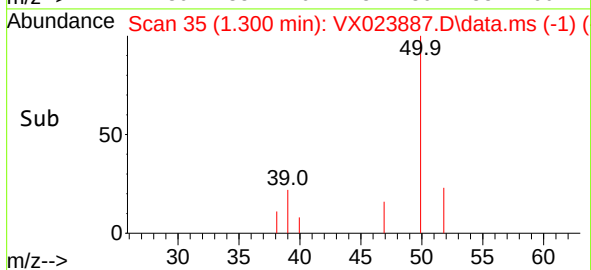
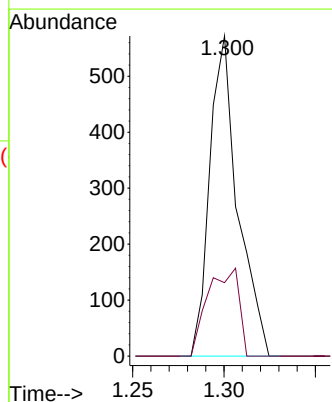
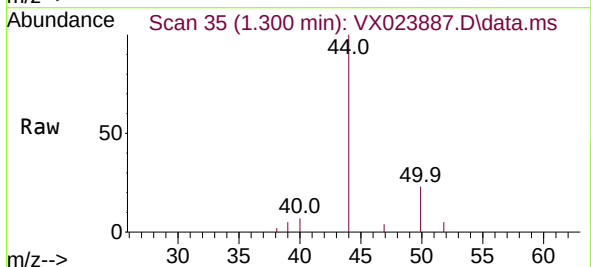
Instrument :
MSVOA_X
ClientSampled :

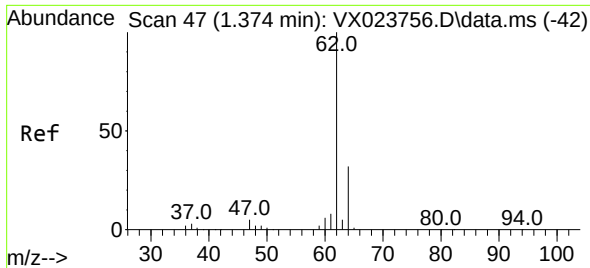
Tgt Ion:168 Resp: 137286
Ion Ratio Lower Upper
168 100
99 59.4 45.8 68.6



#3
Chloromethane
Concen: 0.384 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX023887.D
Acq: 20 Aug 2021 19:08

Tgt Ion: 50 Resp: 611
Ion Ratio Lower Upper
50 100
52 22.9 26.4 39.6#

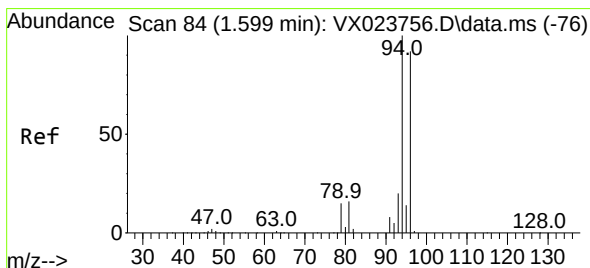
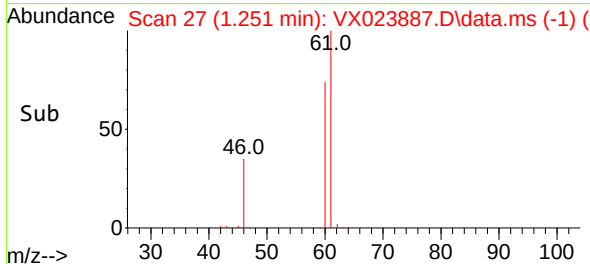
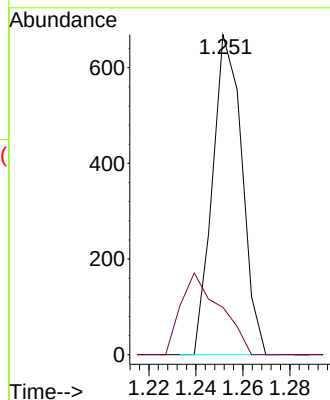
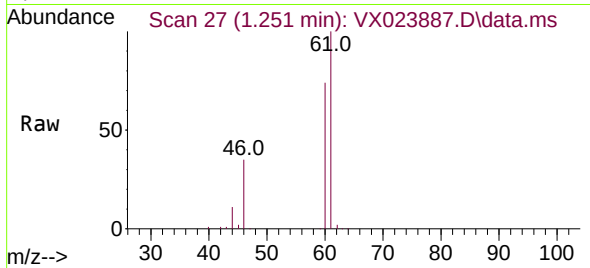




#4
 Vinyl Chloride
 Concen: 0.377 ug/l
 RT: 1.251 min Scan# 27
 Delta R.T. -0.123 min
 Lab File: VX023887.D
 Acq: 20 Aug 2021 19:08

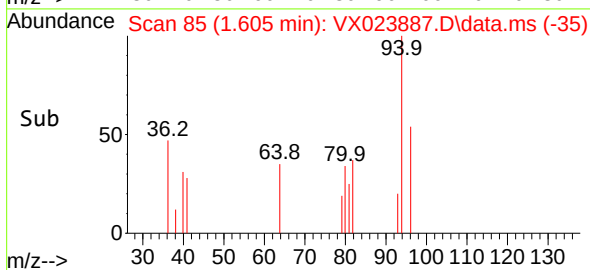
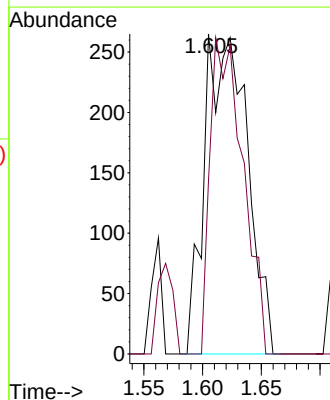
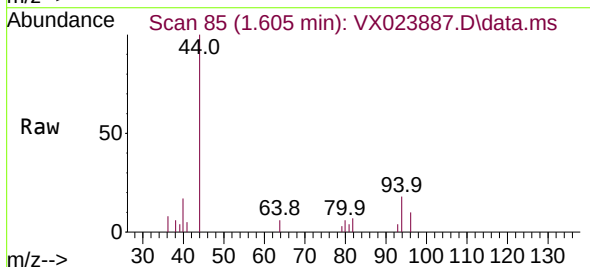
Instrument :
 MSVOA_X
 ClientSampled :

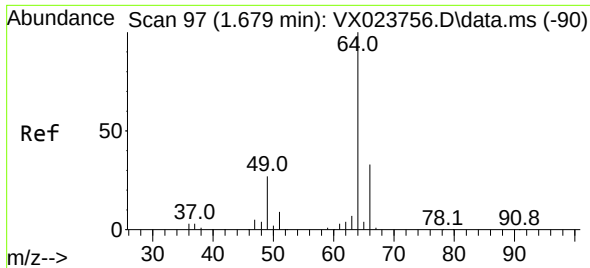
Tgt Ion: 62 Resp: 584
 Ion Ratio Lower Upper
 62 100
 64 14.8 25.7 38.5#



#5
 Bromomethane
 Concen: 0.687 ug/l
 RT: 1.605 min Scan# 85
 Delta R.T. 0.006 min
 Lab File: VX023887.D
 Acq: 20 Aug 2021 19:08

Tgt Ion: 94 Resp: 670
 Ion Ratio Lower Upper
 94 100
 96 54.3 76.4 114.6#

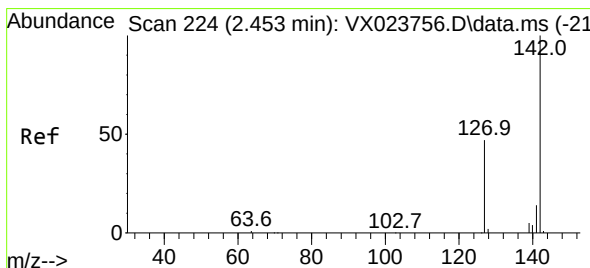
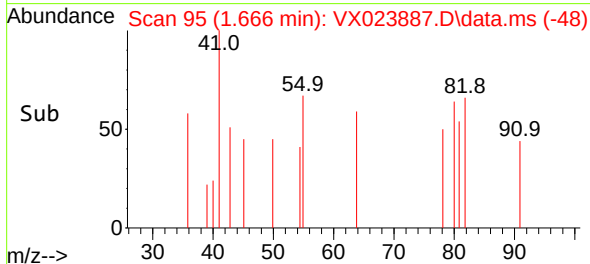
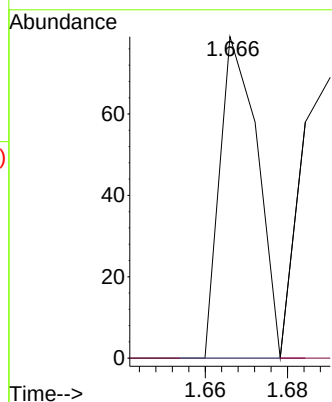
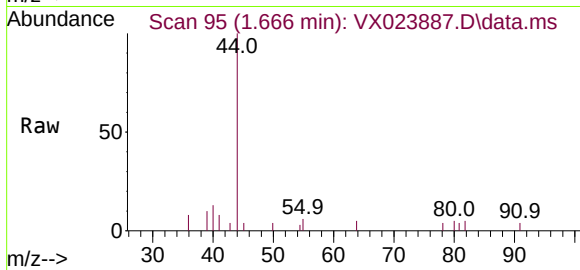




#6
Chloroethane
Concen: 2.254 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.013 min
Lab File: VX023887.D
Acq: 20 Aug 2021 19:08

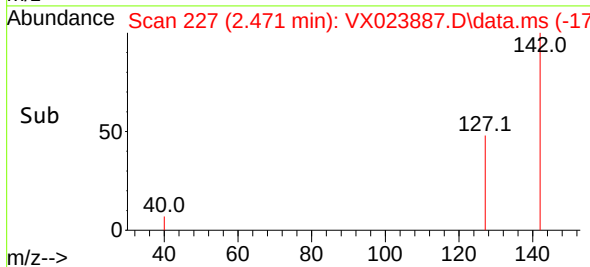
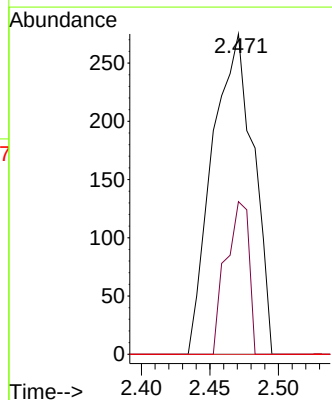
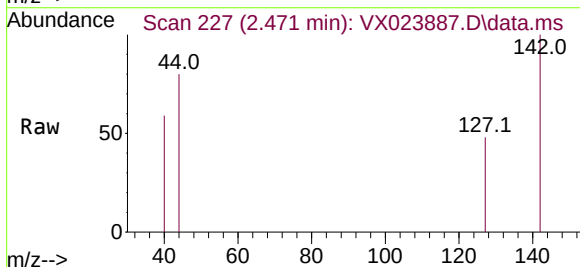
Instrument :
MSVOA_X
ClientSampled :

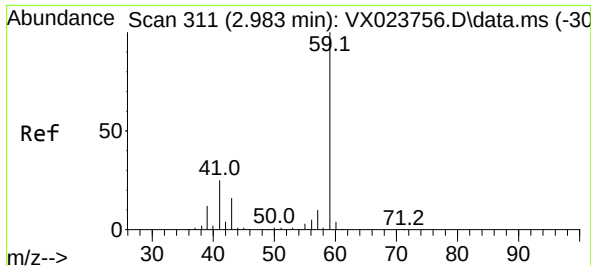
Tgt Ion: 64 Resp: 50
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 0.299 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.018 min
Lab File: VX023887.D
Acq: 20 Aug 2021 19:08

Tgt Ion: 142 Resp: 573
Ion Ratio Lower Upper
142 100
127 26.7 33.3 49.9#
141 0.0 11.4 17.0#



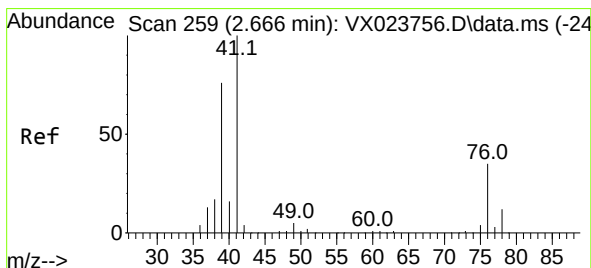
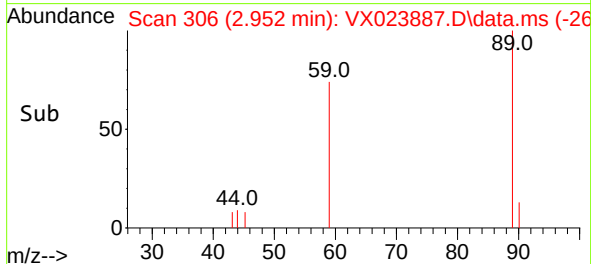
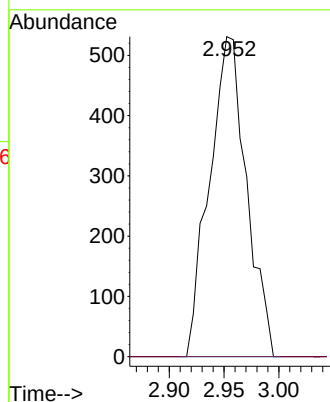
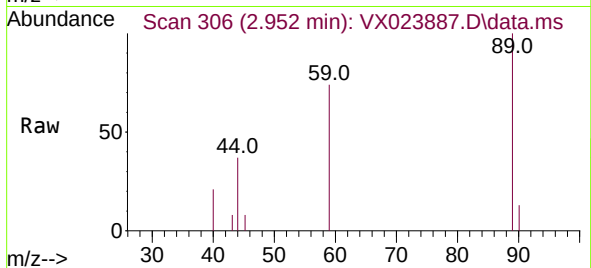


#11

Tert butyl alcohol
Concen: 3.221 ug/l
RT: 2.952 min Scan# 306
Delta R.T. -0.031 min
Lab File: VX023887.D
Acq: 20 Aug 2021 19:08

Instrument :
MSVOA_X
ClientSampled :

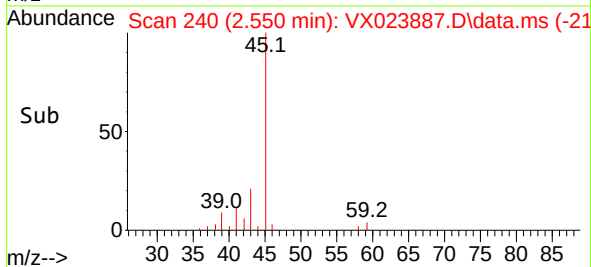
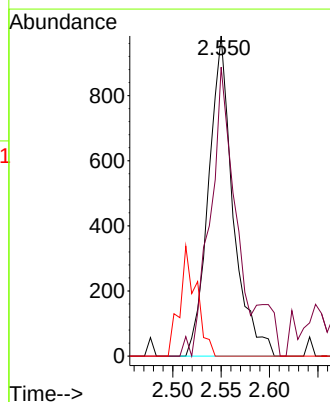
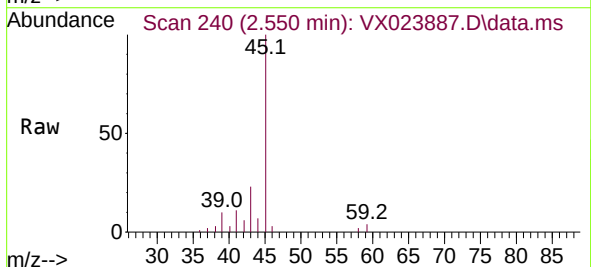
Tgt Ion: 59 Resp: 1248
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

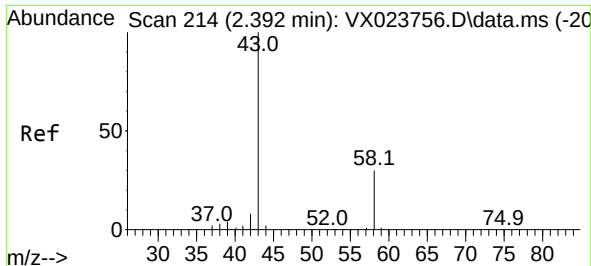


#14

Allyl chloride
Concen: 0.713 ug/l
RT: 2.550 min Scan# 240
Delta R.T. -0.116 min
Lab File: VX023887.D
Acq: 20 Aug 2021 19:08

Tgt Ion: 41 Resp: 1731
Ion Ratio Lower Upper
41 100
39 89.8 51.6 77.4#
76 0.0 30.5 45.7#

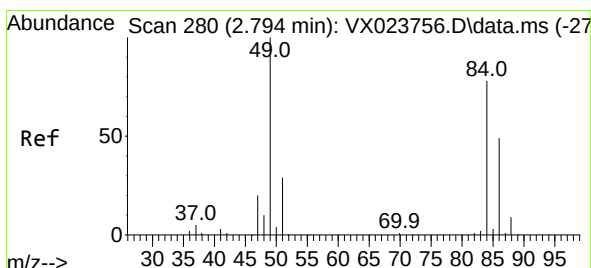
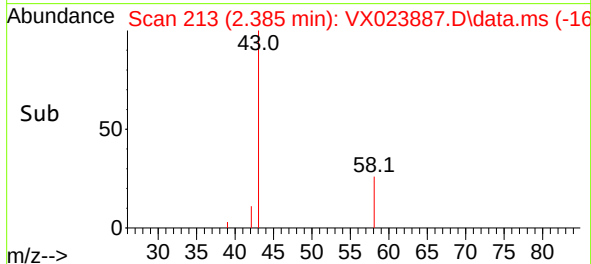
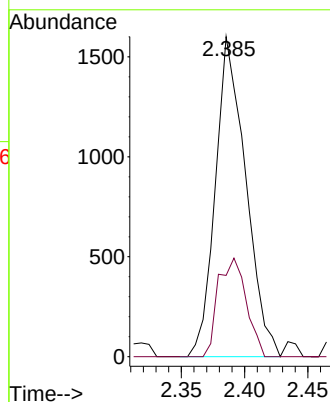
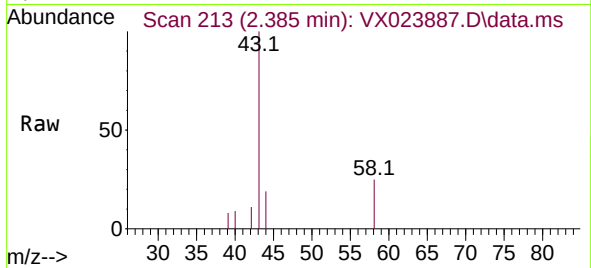




#16
Acetone
Concen: 3.115 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.007 min
Lab File: VX023887.D
Acq: 20 Aug 2021 19:08

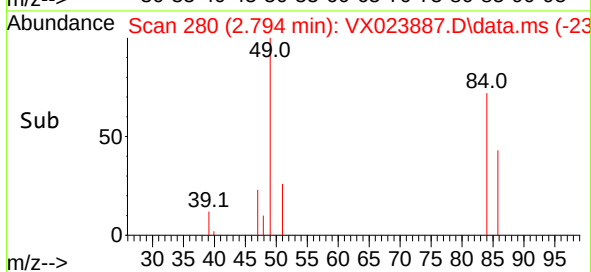
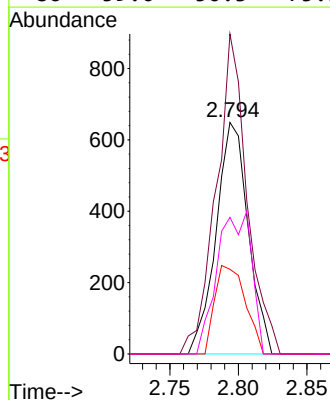
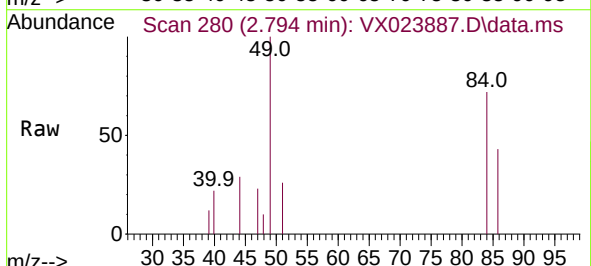
Instrument :
MSVOA_X
ClientSampled :

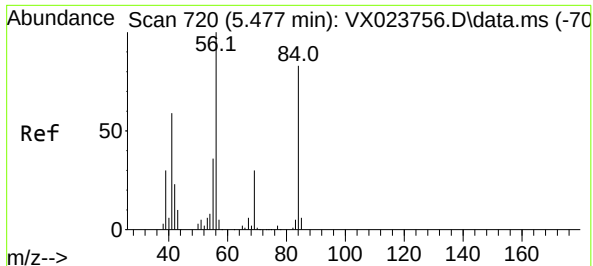
Tgt Ion: 43 Resp: 2669
Ion Ratio Lower Upper
43 100
58 25.4 27.8 41.8#



#20
Methylene Chloride
Concen: 0.646 ug/l
RT: 2.794 min Scan# 280
Delta R.T. -0.000 min
Lab File: VX023887.D
Acq: 20 Aug 2021 19:08

Tgt Ion: 84 Resp: 1057
Ion Ratio Lower Upper
84 100
49 138.2 88.6 132.8#
51 36.5 27.0 40.6
86 59.0 50.3 75.5

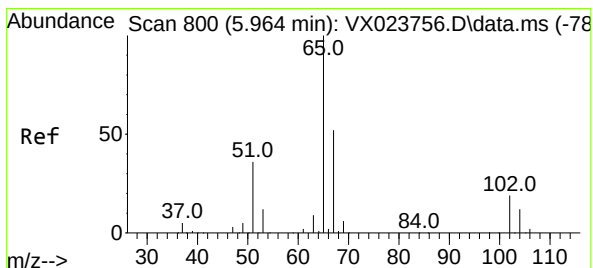
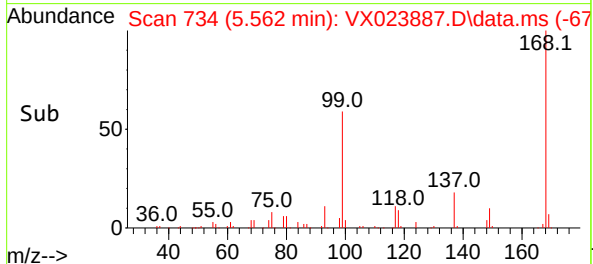
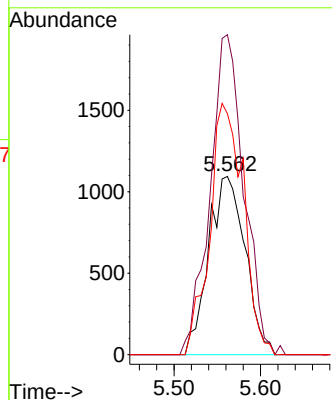
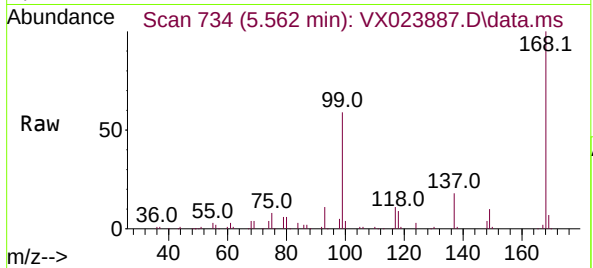




#31
Cyclohexane
Concen: 1.306 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023887.D
Acq: 20 Aug 2021 19:08

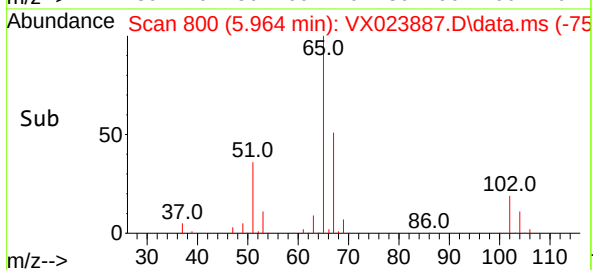
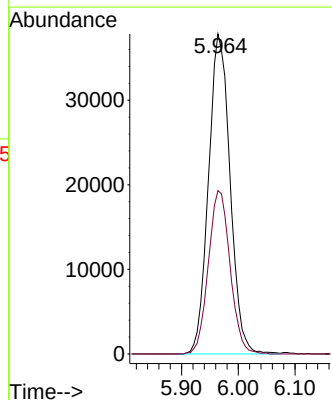
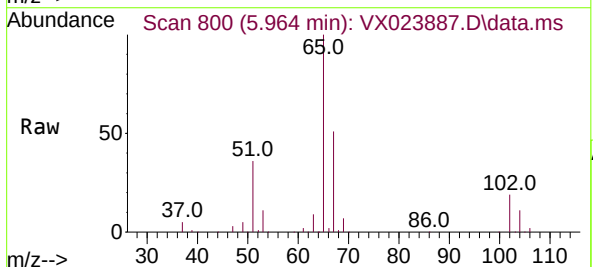
Instrument :
MSVOA_X
ClientSampled :

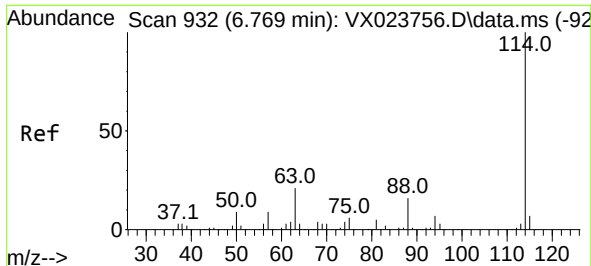
Tgt Ion: 56 Resp: 3216
Ion Ratio Lower Upper
56 100
69 179.5 25.3 37.9#
84 135.3 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 52.219 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023887.D
Acq: 20 Aug 2021 19:08

Tgt Ion: 65 Resp: 100055
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.4

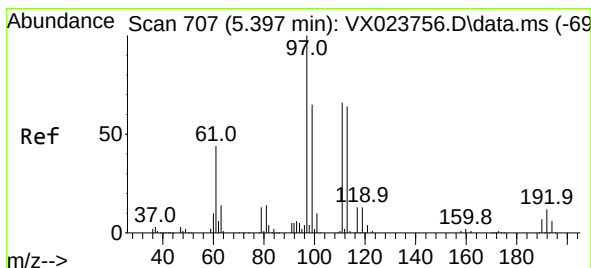
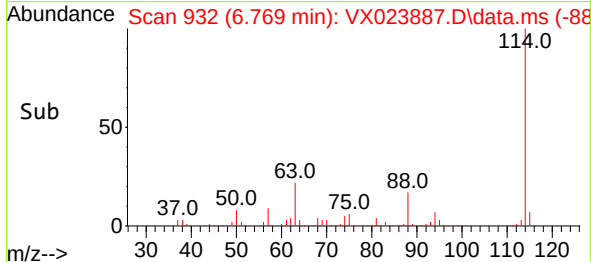
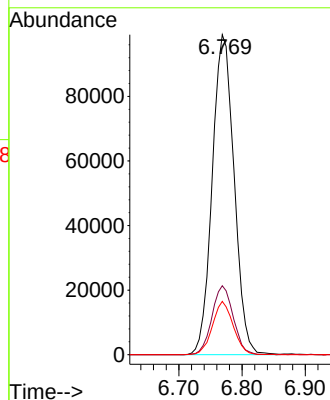
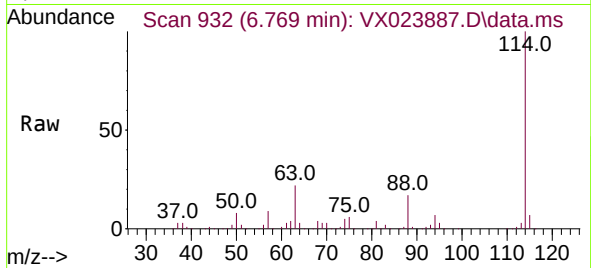




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023887.D
Acq: 20 Aug 2021 19:08

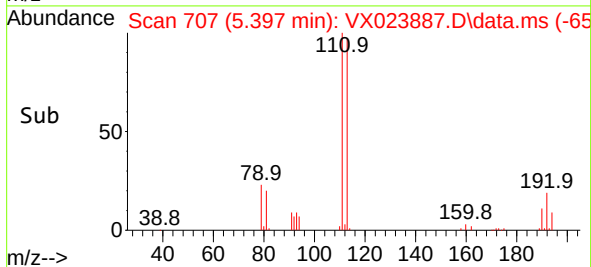
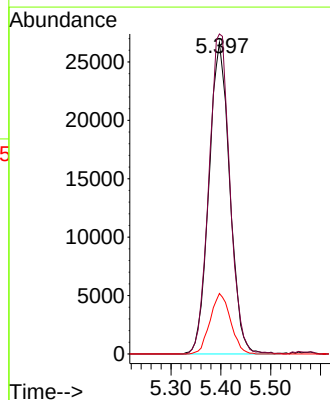
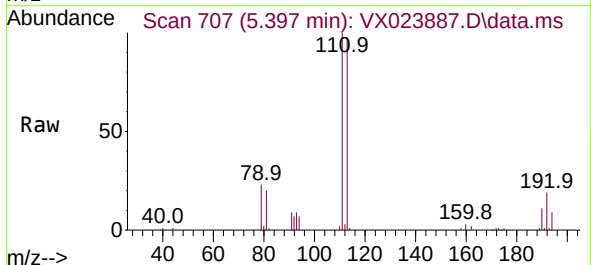
Instrument :
MSVOA_X
ClientSampleId :

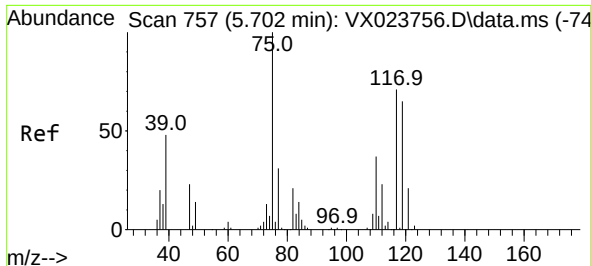
Tgt Ion:	114	Resp:	237741
Ion Ratio	Lower	Upper	
114	100		
63	21.5	0.0	40.8
88	16.6	0.0	32.8



#35
Dibromofluoromethane
Concen: 49.118 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023887.D
Acq: 20 Aug 2021 19:08

Tgt Ion:	113	Resp:	77289
Ion Ratio	Lower	Upper	
113	100		
111	103.9	81.9	122.9
192	19.1	16.7	25.1

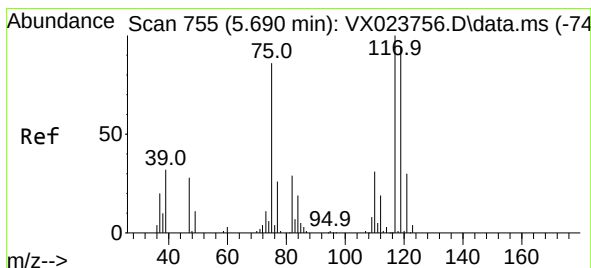
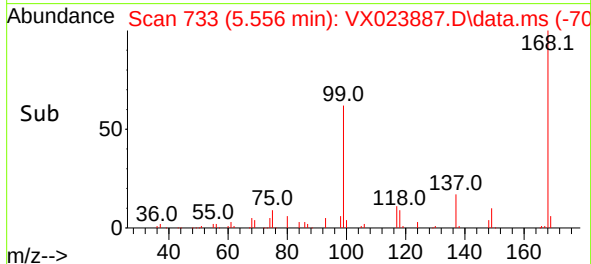
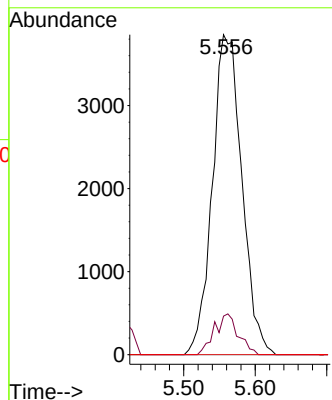
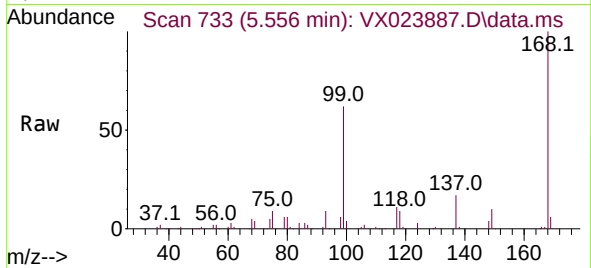




#36
1,1-Dichloropropene
Concen: 5.003 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX023887.D
Acq: 20 Aug 2021 19:08

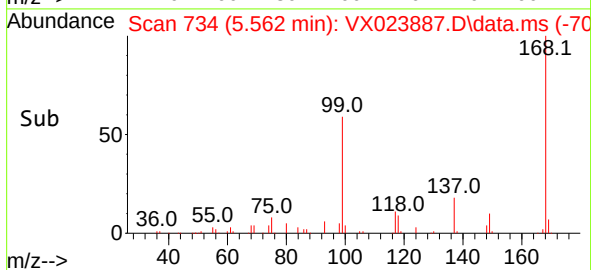
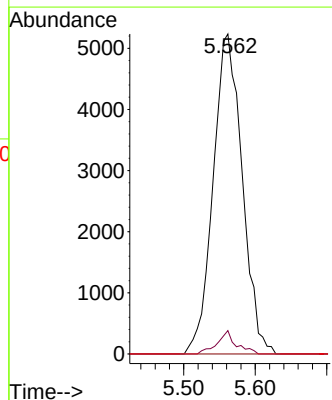
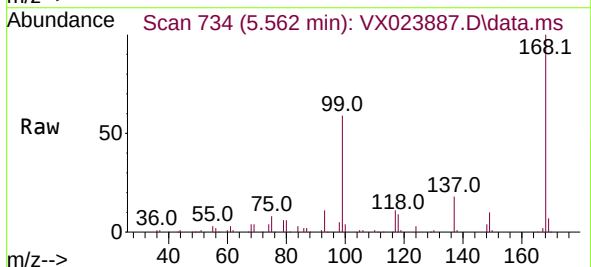
Instrument :
MSVOA_X
ClientSampled :

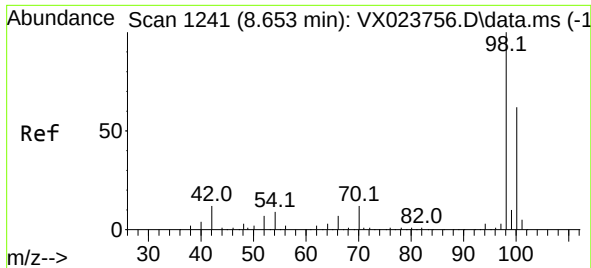
Tgt Ion: 75 Resp: 11014
Ion Ratio Lower Upper
75 100
110 10.3 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.426 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX023887.D
Acq: 20 Aug 2021 19:08

Tgt Ion: 117 Resp: 14753
Ion Ratio Lower Upper
117 100
119 7.3 76.2 114.2#
121 0.0 24.8 37.2#

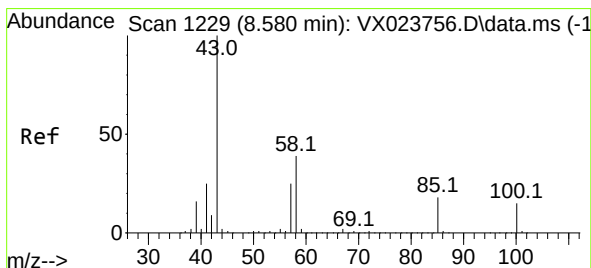
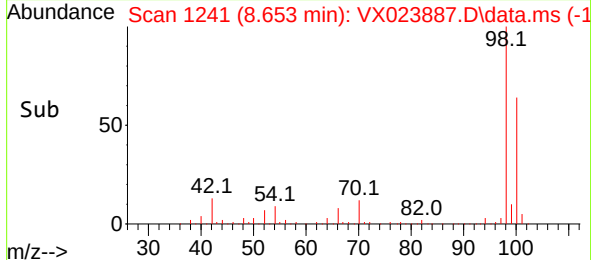
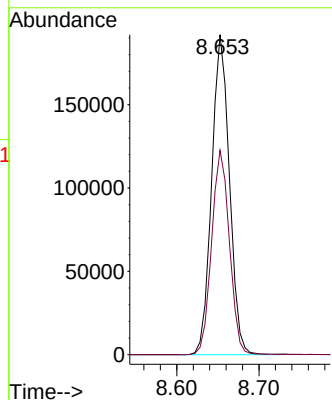
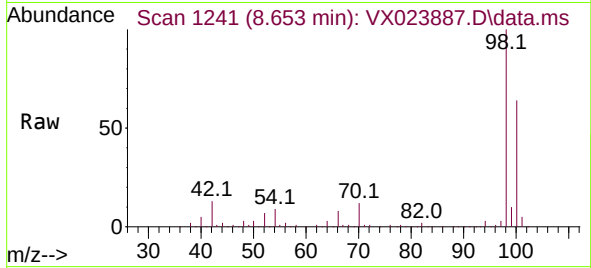




#50
Toluene-d8
Concen: 48.050 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023887.D
Acq: 20 Aug 2021 19:08

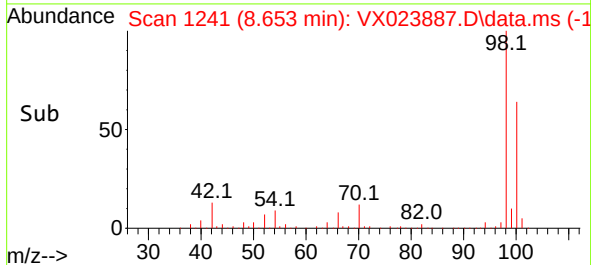
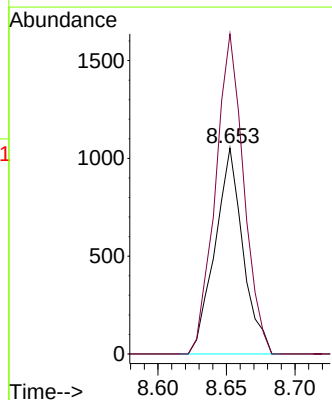
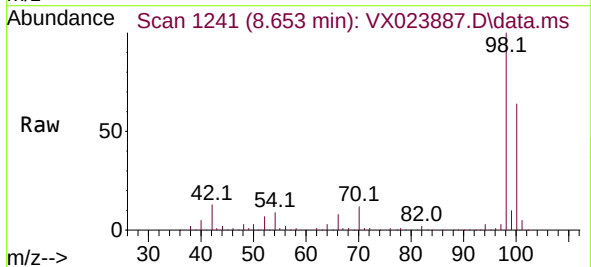
Instrument :
MSVOA_X
ClientSampled :

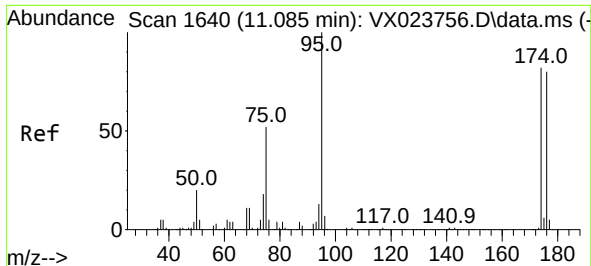
Tgt Ion: 98 Resp: 287773
Ion Ratio Lower Upper
98 100
100 63.9 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.547 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX023887.D
Acq: 20 Aug 2021 19:08

Tgt Ion: 43 Resp: 1498
Ion Ratio Lower Upper
43 100
58 157.3 35.4 53.0#

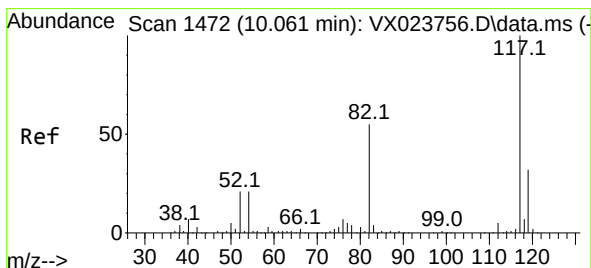
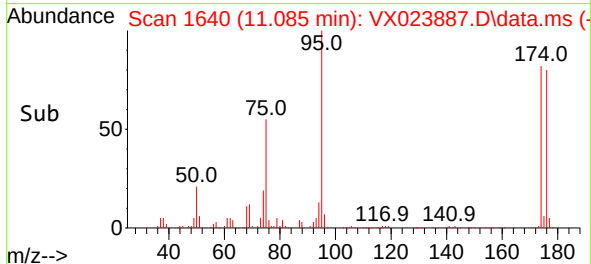
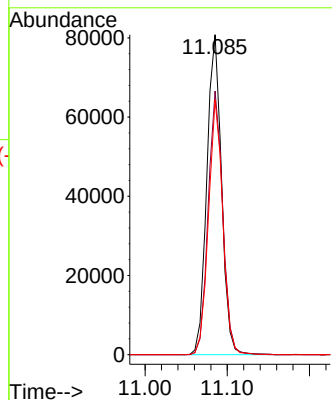
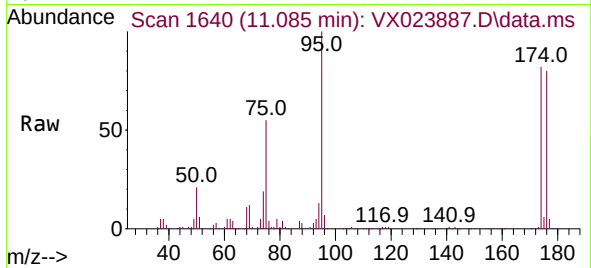




#62
4-Bromofluorobenzene
Concen: 45.456 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023887.D
Acq: 20 Aug 2021 19:08

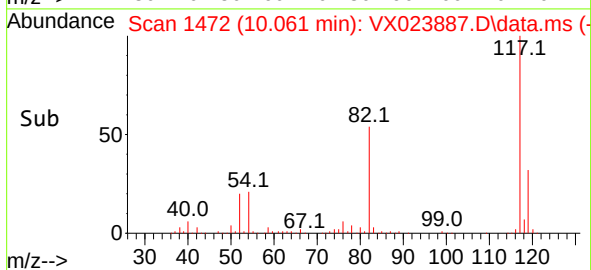
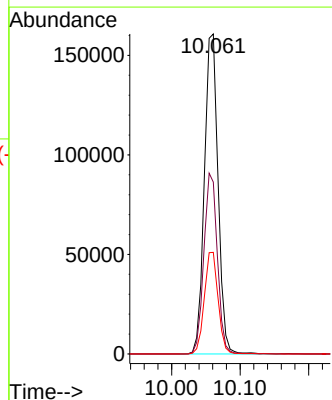
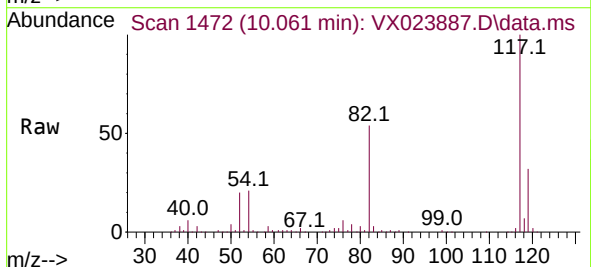
Instrument :
MSVOA_X
ClientSampled :

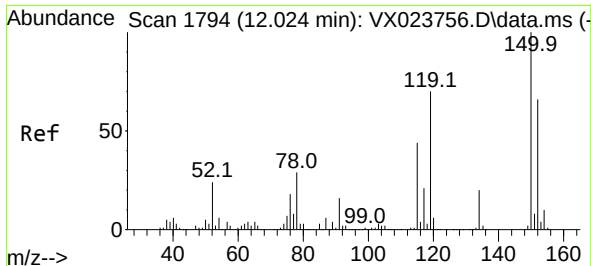
Tgt Ion: 95 Resp: 100217
Ion Ratio Lower Upper
95 100
174 82.0 0.0 154.6
176 77.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX023887.D
Acq: 20 Aug 2021 19:08

Tgt Ion: 117 Resp: 223691
Ion Ratio Lower Upper
117 100
82 53.7 47.4 71.2
119 31.8 26.6 39.8

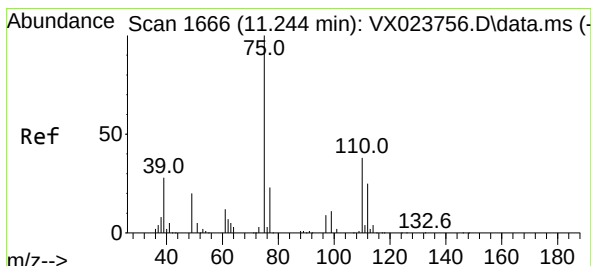
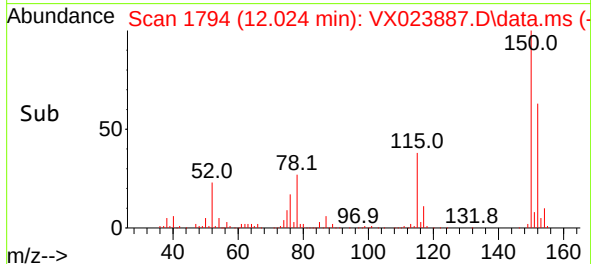
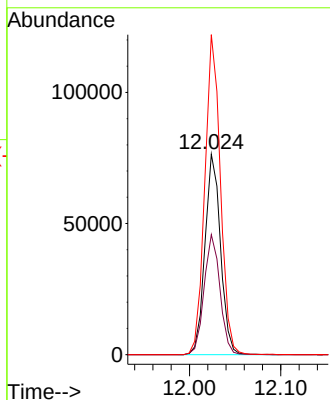
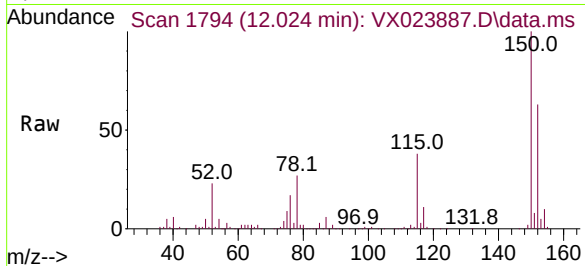




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. -0.000 min
 Lab File: VX023887.D
 Acq: 20 Aug 2021 19:08

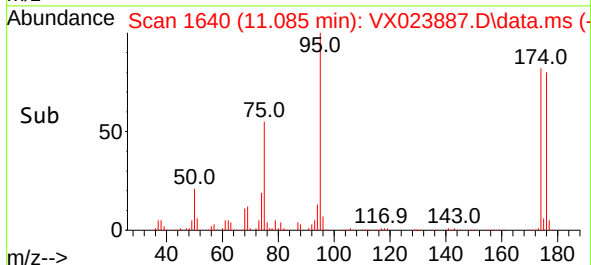
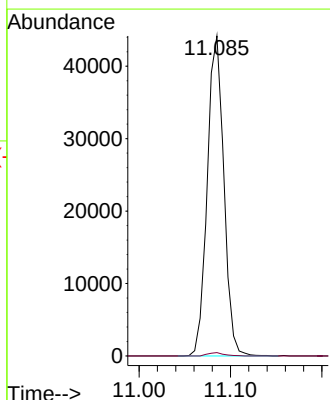
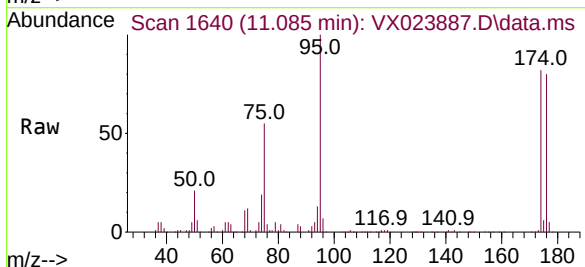
Instrument :
 MSVOA_X
 ClientSampled :

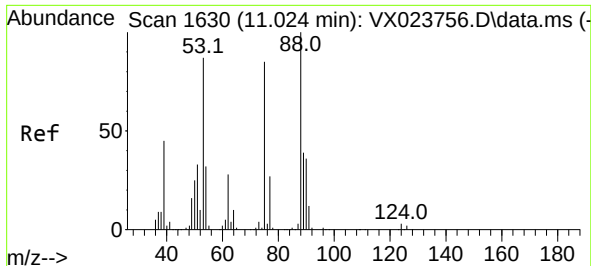
Tgt Ion:152 Resp: 90349
 Ion Ratio Lower Upper
 152 100
 115 61.0 41.1 123.3
 150 159.7 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.415 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023887.D
 Acq: 20 Aug 2021 19:08

Tgt Ion: 75 Resp: 55672
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#

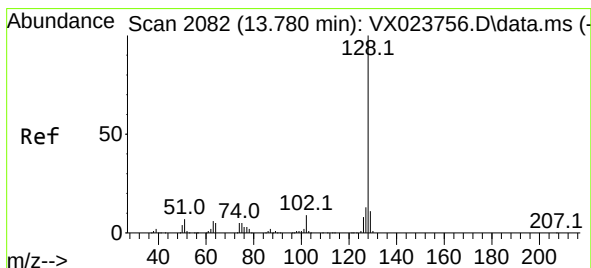
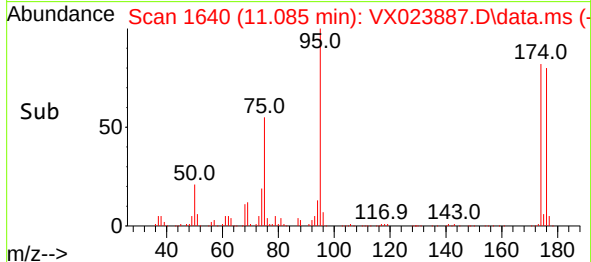
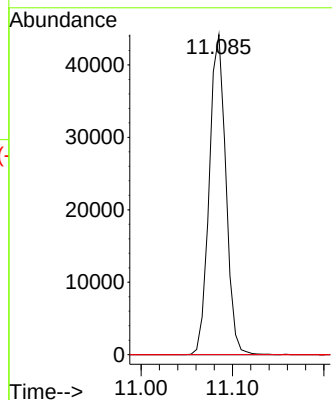
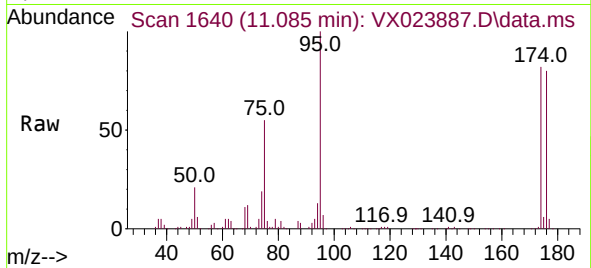




#81
trans-1,4-Dichloro-2-butene
Concen: 77.700 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023887.D
Acq: 20 Aug 2021 19:08

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 55672
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.303 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023887.D
Acq: 20 Aug 2021 19:08

Tgt Ion: 128 Resp: 140
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

