

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070621\
 Data File : VX023150.D
 Acq On : 06 Jul 2021 16:53
 Operator : JC/MD
 Sample : M2923-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 07 02:53:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 02 14:29:42 2021
 Response via : Initial Calibration

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

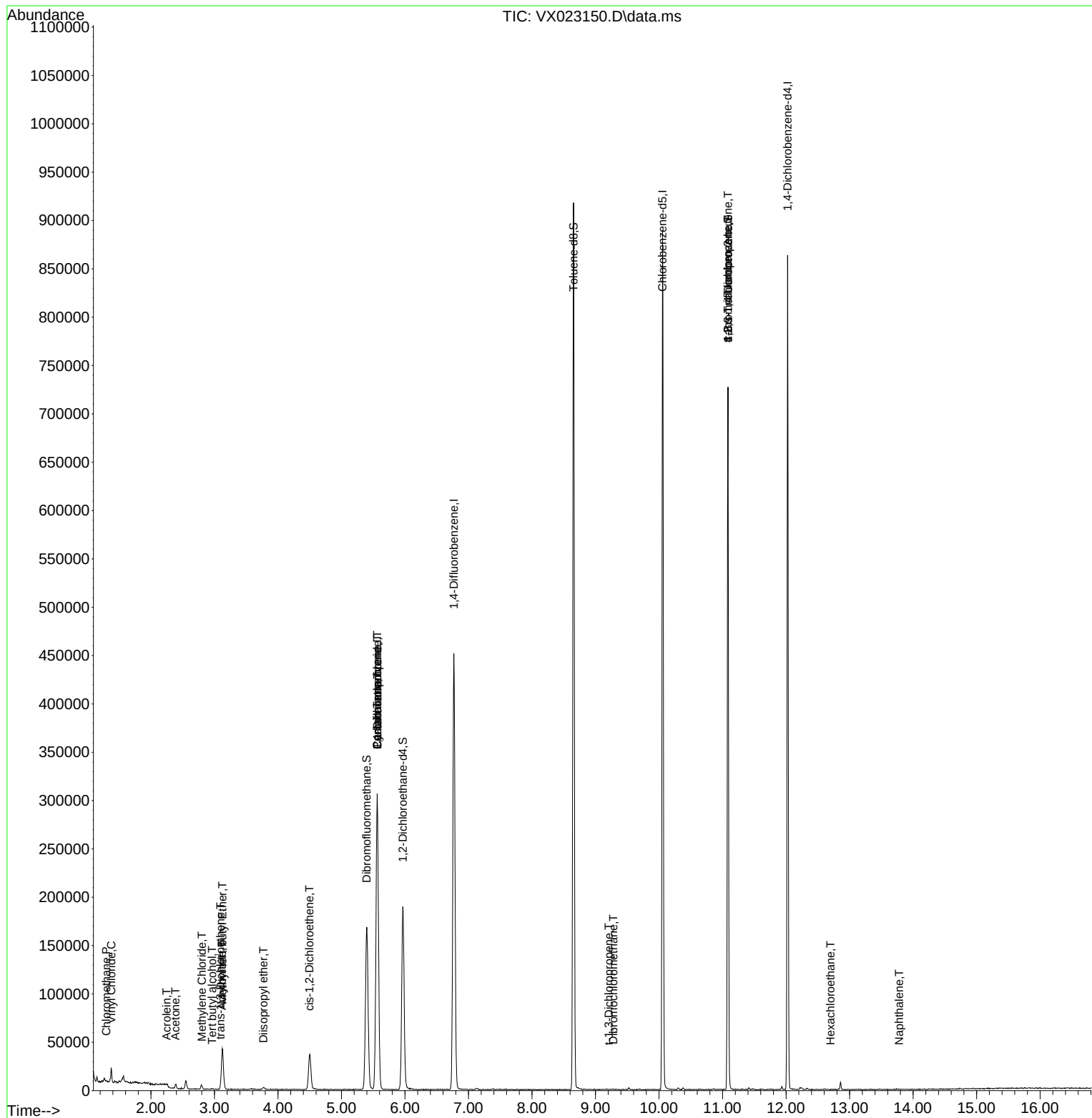
Internal Standards						
1) Pentafluorobenzene	5.562	168	277176	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	451204	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	400245	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	168091	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	191376	51.373	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 102.740%		
35) Dibromofluoromethane	5.397	113	143913	49.392	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 98.780%		
50) Toluene-d8	8.653	98	534979	49.222	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 98.440%		
62) 4-Bromofluorobenzene	11.085	95	193520	46.121	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 92.240%		
Target Compounds						Qvalue
3) Chloromethane	1.294	50	717	0.289	ug/l #	79
4) Vinyl Chloride	1.374	62	7363	2.797	ug/l	98
5) Bromomethane	1.618	94	802	Below Cal	#	60
11) Tert butyl alcohol	2.965	59	264	0.337	ug/l #	73
13) Acrolein	2.246	56	211	0.404	ug/l #	14
15) Acrylonitrile	3.117	53	728	0.478	ug/l #	22
16) Acetone	2.386	43	4324	2.934	ug/l	94
19) Methyl tert-butyl Ether	3.123	73	44087	4.771	ug/l	96
20) Methylene Chloride	2.800	84	1854	0.584	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	676	0.253	ug/l #	58
22) Diisopropyl ether	3.770	45	1985	0.219	ug/l #	75
27) cis-1,2-Dichloroethene	4.495	96	22802	7.055	ug/l	91
31) Cyclohexane	5.562	56	5832	1.308	ug/l #	7
36) 1,1-Dichloropropene	5.562	75	21111	5.248	ug/l #	49
38) Carbon Tetrachloride	5.562	117	28719	6.840	ug/l #	16
53) t-1,3-Dichloropropene	9.208	75	31	2.742	ug/l #	1
60) Dibromochloromethane	9.281	129	70	3.131	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	99833	29.514	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	99833	79.323	ug/l #	12
90) Hexachloroethane	12.701	117	27	3.010	ug/l #	9
95) Naphthalene	13.780	128	277	1.297	ug/l #	84

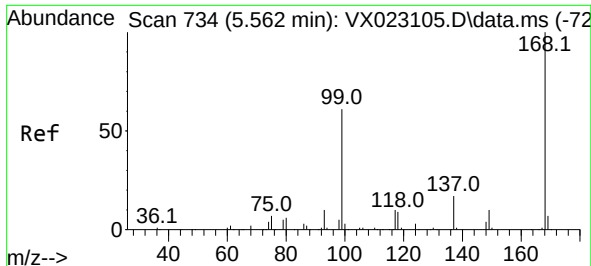
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

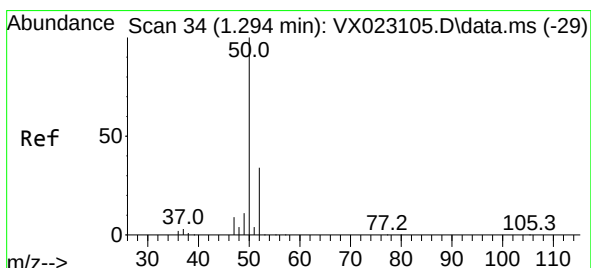
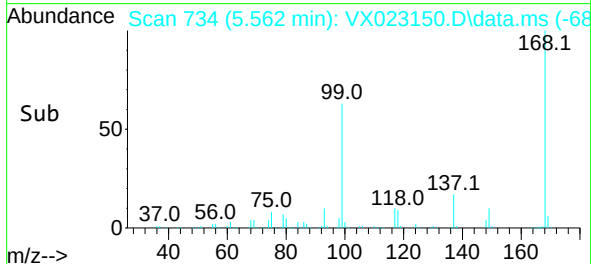
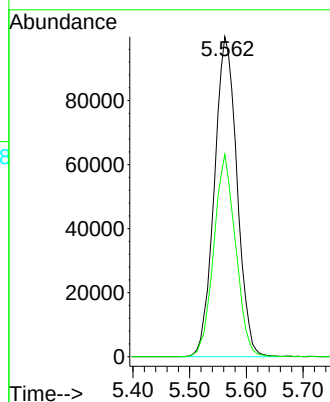
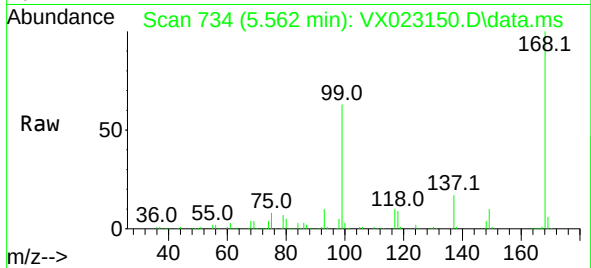




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023150.D
Acq: 06 Jul 2021 16:53

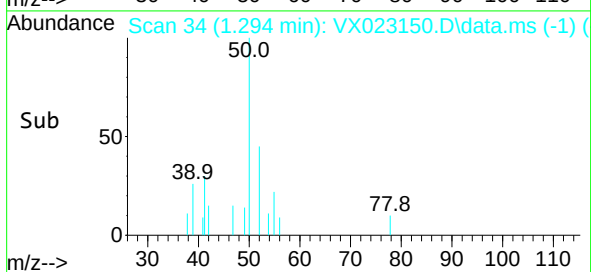
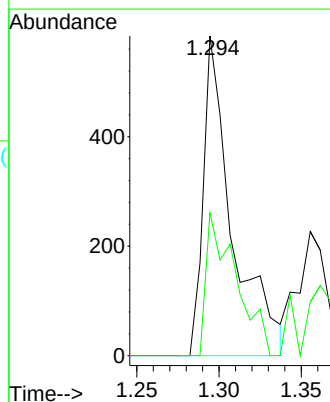
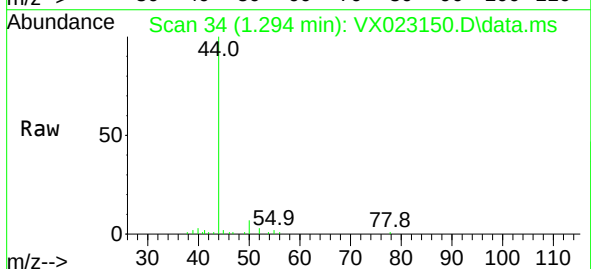
Instrument :
MSVOA_X
ClientSampled :

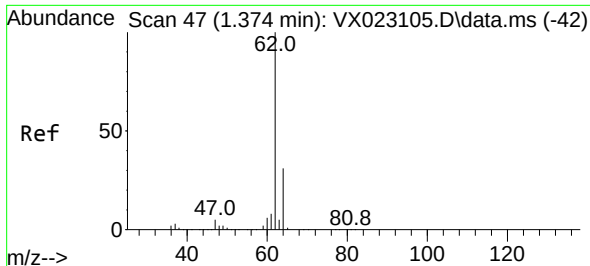
Tgt Ion:168 Resp: 277176
Ion Ratio Lower Upper
168 100
99 63.2 45.8 68.6



#3
Chloromethane
Concen: 0.289 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX023150.D
Acq: 06 Jul 2021 16:53

Tgt Ion: 50 Resp: 717
Ion Ratio Lower Upper
50 100
52 44.7 26.4 39.6#

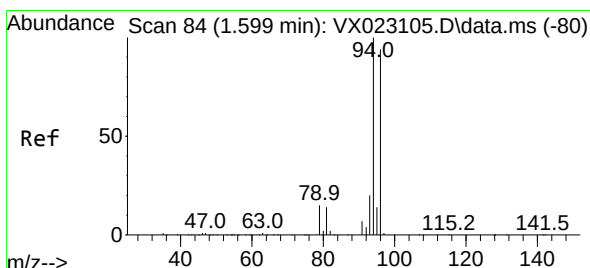
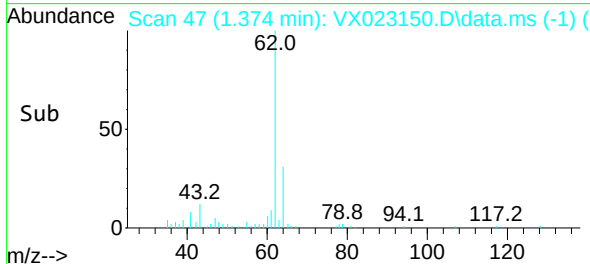
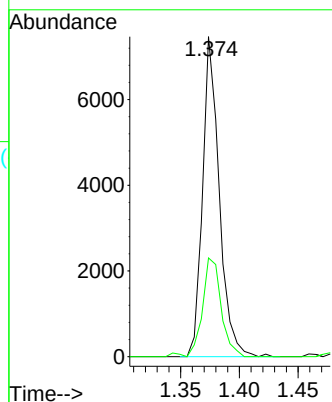
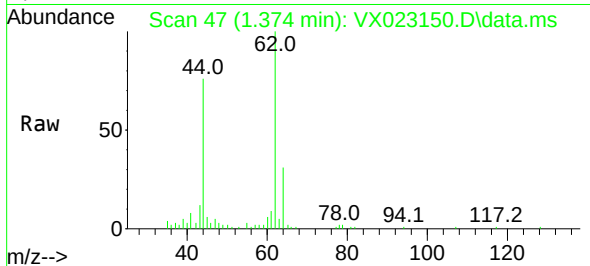




#4
 Vinyl Chloride
 Concen: 2.797 ug/l
 RT: 1.374 min Scan# 47
 Delta R.T. -0.000 min
 Lab File: VX023150.D
 Acq: 06 Jul 2021 16:53

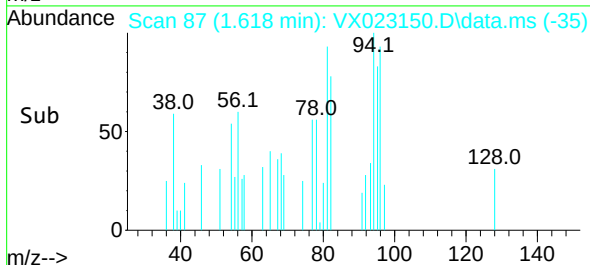
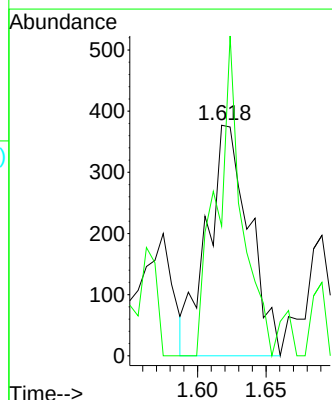
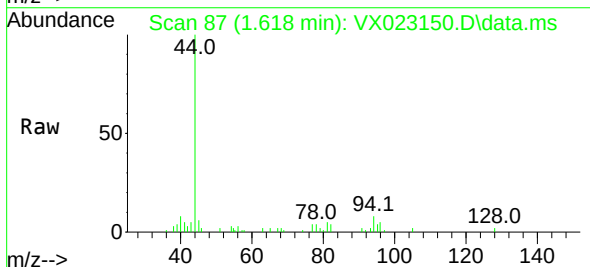
Instrument :
 MSVOA_X
 ClientSampleId :

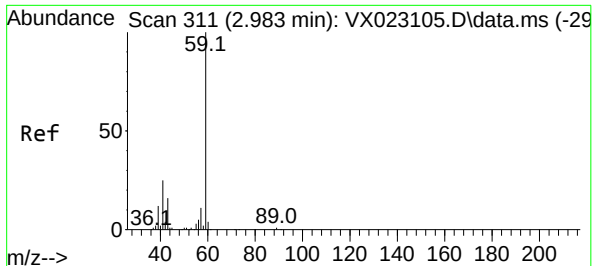
Tgt Ion: 62 Resp: 7363
 Ion Ratio Lower Upper
 62 100
 64 30.9 25.7 38.5



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.618 min Scan# 87
 Delta R.T. 0.019 min
 Lab File: VX023150.D
 Acq: 06 Jul 2021 16:53

Tgt Ion: 94 Resp: 802
 Ion Ratio Lower Upper
 94 100
 96 56.2 76.4 114.6#

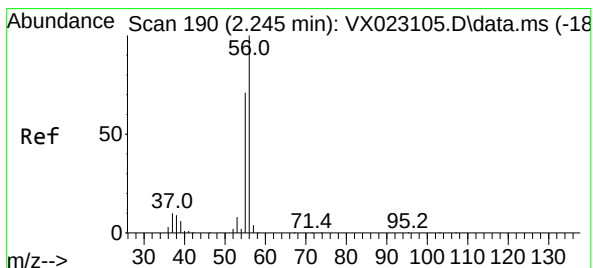
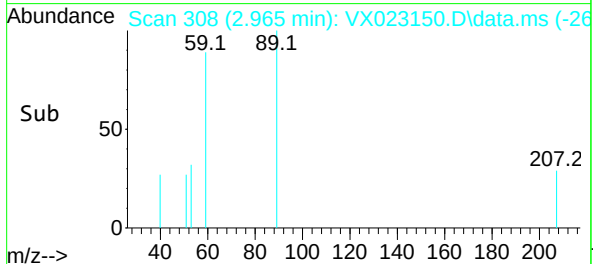
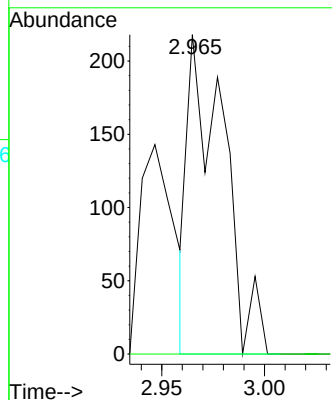
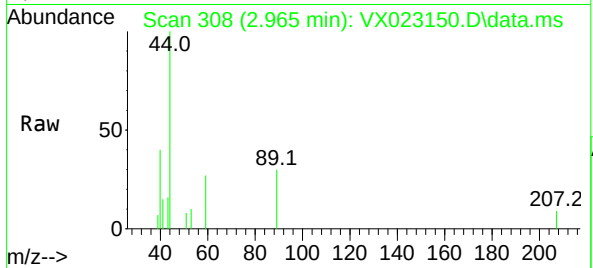




#11
Tert butyl alcohol
Concen: 0.337 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX023150.D
Acq: 06 Jul 2021 16:53

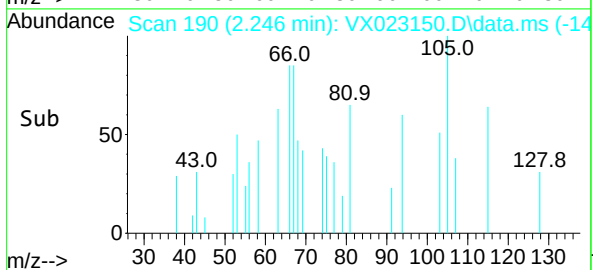
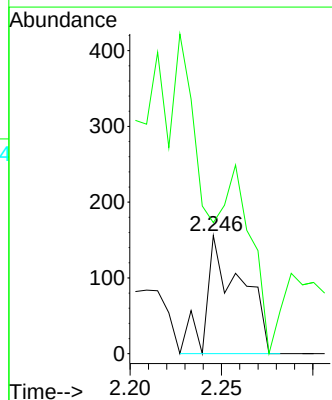
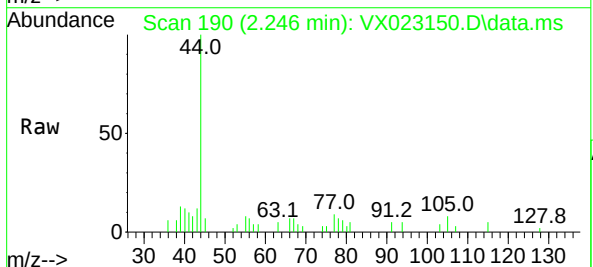
Instrument :
MSVOA_X
ClientSampled :

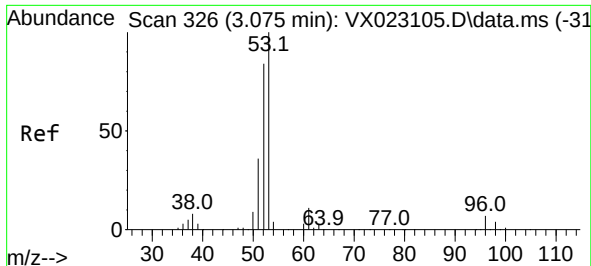
Tgt Ion: 59 Resp: 264
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 0.404 ug/l
RT: 2.246 min Scan# 190
Delta R.T. 0.001 min
Lab File: VX023150.D
Acq: 06 Jul 2021 16:53

Tgt Ion: 56 Resp: 211
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

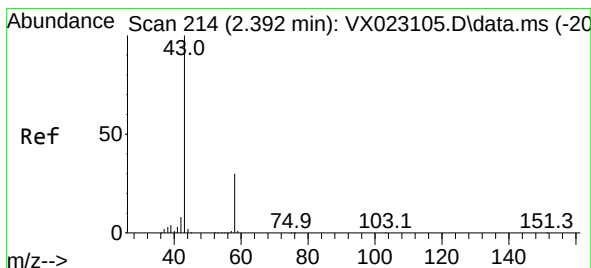
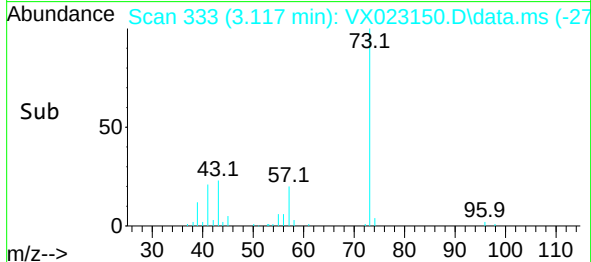
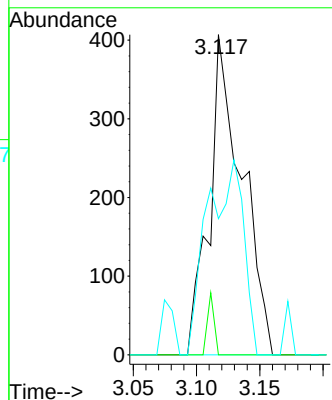
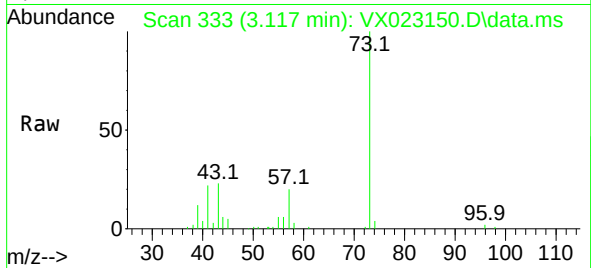




#15
Acrylonitrile
Concen: 0.478 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.042 min
Lab File: VX023150.D
Acq: 06 Jul 2021 16:53

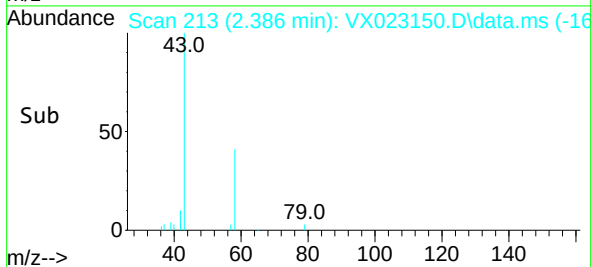
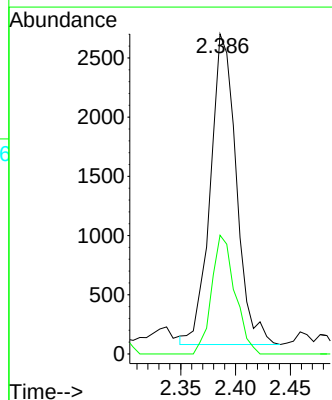
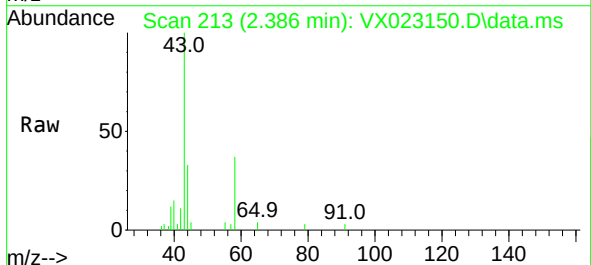
Instrument :
MSVOA_X
ClientSampled :

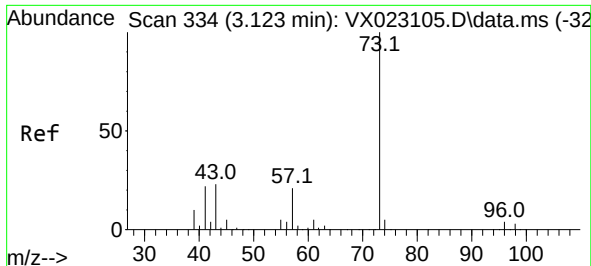
Tgt Ion: 53 Resp: 728
Ion Ratio Lower Upper
53 100
52 4.0 65.3 97.9#
51 67.7 28.2 42.2#



#16
Acetone
Concen: 2.934 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023150.D
Acq: 06 Jul 2021 16:53

Tgt Ion: 43 Resp: 4324
Ion Ratio Lower Upper
43 100
58 38.3 27.8 41.8

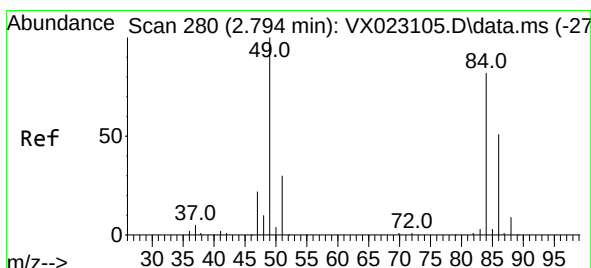
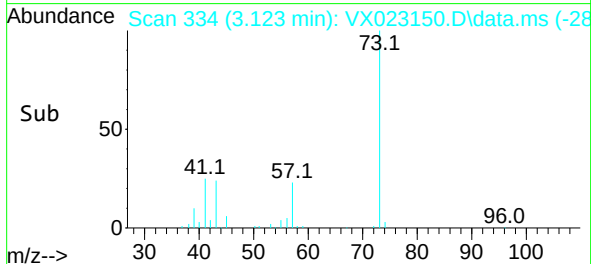
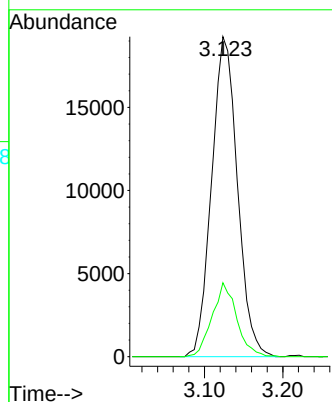
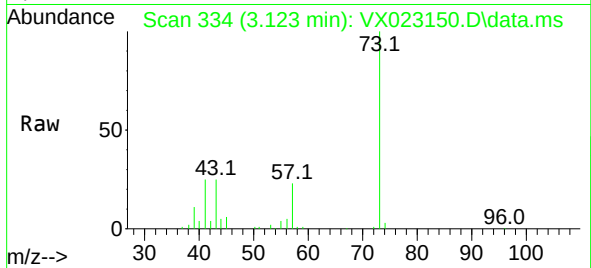




#19
Methyl tert-butyl Ether
Concen: 4.771 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.000 min
Lab File: VX023150.D
Acq: 06 Jul 2021 16:53

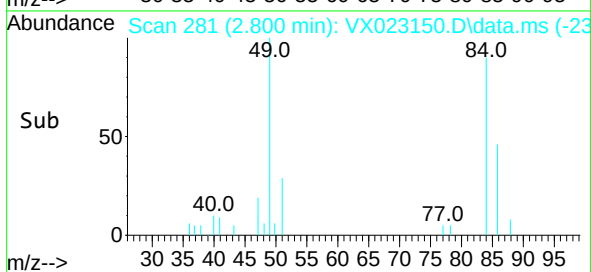
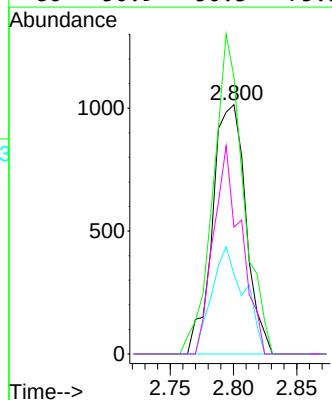
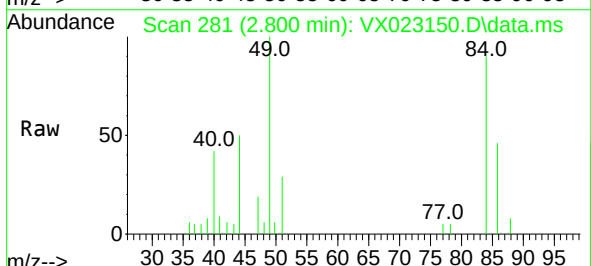
Instrument :
MSVOA_X
ClientSampled :

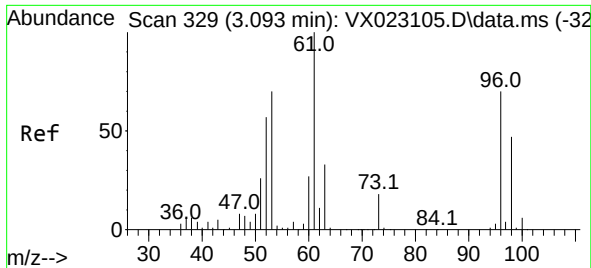
Tgt Ion: 73 Resp: 44087
Ion Ratio Lower Upper
73 100
57 23.1 17.1 25.7



#20
Methylene Chloride
Concen: 0.584 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX023150.D
Acq: 06 Jul 2021 16:53

Tgt Ion: 84 Resp: 1854
Ion Ratio Lower Upper
84 100
49 111.0 88.6 132.8
51 32.0 27.0 40.6
86 50.9 50.3 75.5

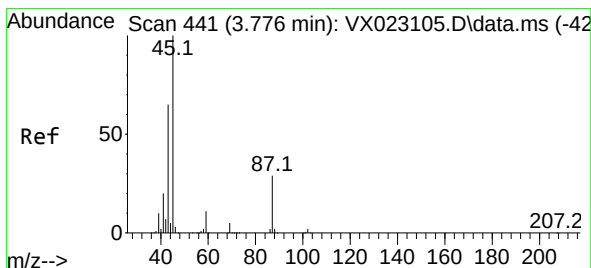
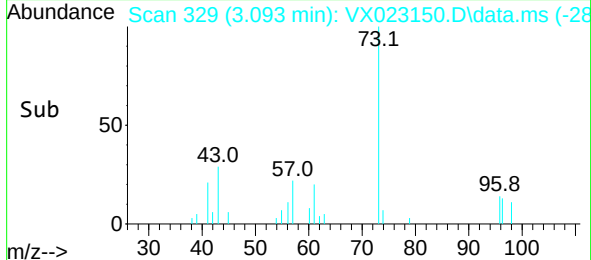
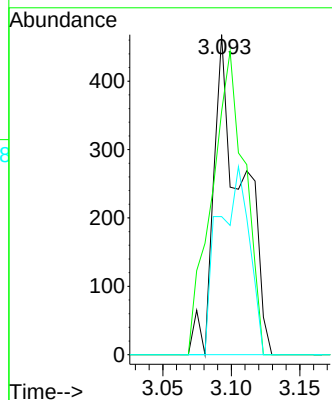
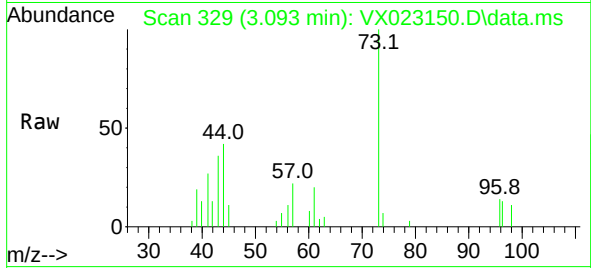




#21
trans-1,2-Dichloroethene
Concen: 0.253 ug/l
RT: 3.093 min Scan# 329
Delta R.T. -0.000 min
Lab File: VX023150.D
Acq: 06 Jul 2021 16:53

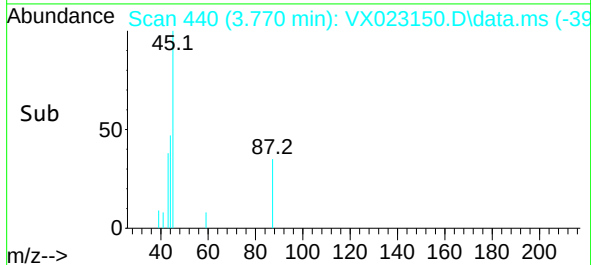
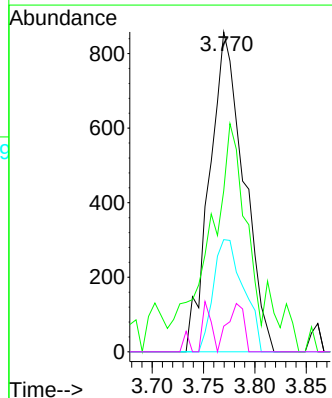
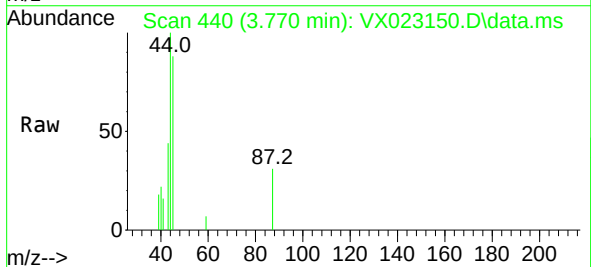
Instrument :
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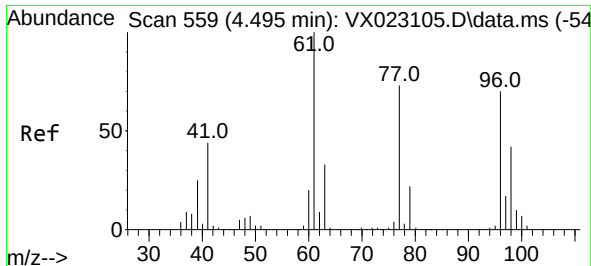
Tgt Ion: 96 Resp: 676
Ion Ratio Lower Upper
96 100
61 76.1 107.7 161.5#
98 43.2 50.4 75.6#



#22
Diisopropyl ether
Concen: 0.219 ug/l
RT: 3.770 min Scan# 440
Delta R.T. -0.006 min
Lab File: VX023150.D
Acq: 06 Jul 2021 16:53

Tgt Ion: 45 Resp: 1985
Ion Ratio Lower Upper
45 100
43 42.8 58.0 87.0#
87 35.1 25.4 38.0
59 8.0 10.2 15.2#





#27

cis-1,2-Dichloroethene

Concen: 7.055 ug/l

RT: 4.495 min Scan# 559

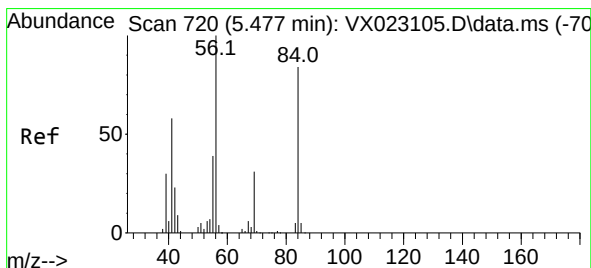
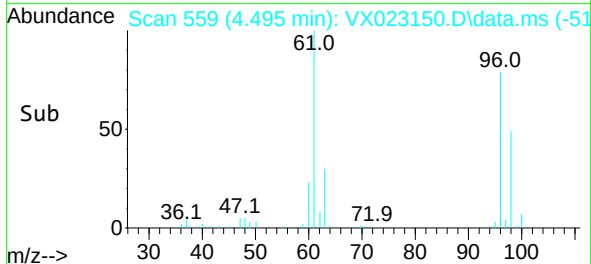
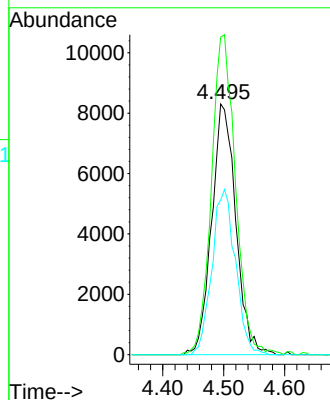
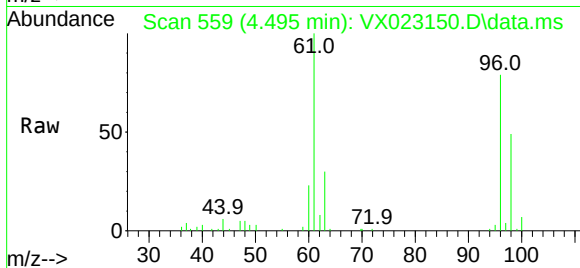
Delta R.T. 0.000 min

Lab File: VX023150.D

Acq: 06 Jul 2021 16:53

Tgt Ion: 96 Resp: 22802

Ion	Ratio	Lower	Upper
96	100		
61	127.4	0.0	285.6
98	64.2	0.0	129.6



#31

Cyclohexane

Concen: 1.308 ug/l

RT: 5.562 min Scan# 734

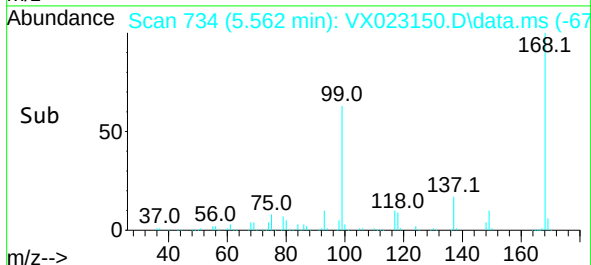
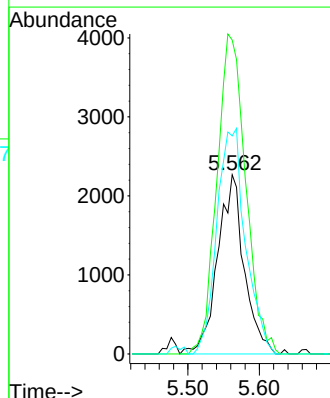
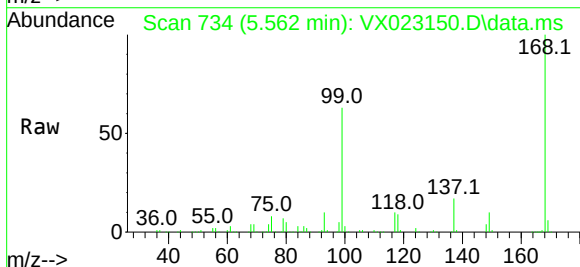
Delta R.T. 0.085 min

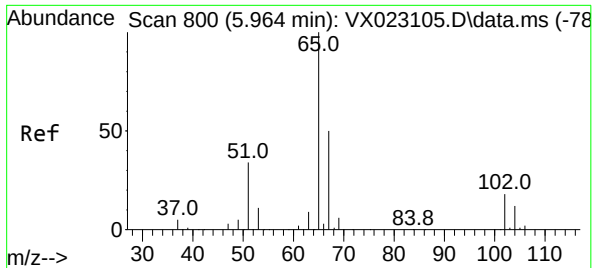
Lab File: VX023150.D

Acq: 06 Jul 2021 16:53

Tgt Ion: 56 Resp: 5832

Ion	Ratio	Lower	Upper
56	100		
69	175.2	25.3	37.9#
84	121.6	71.4	107.0#

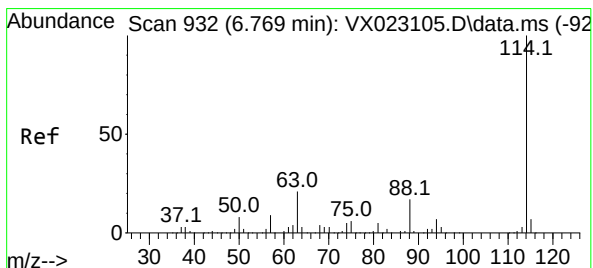
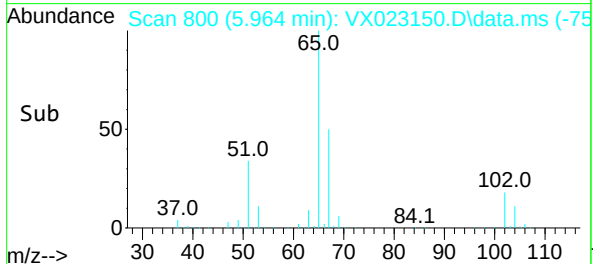
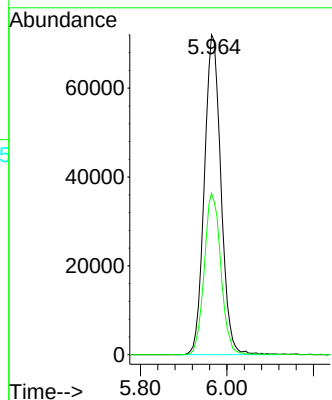
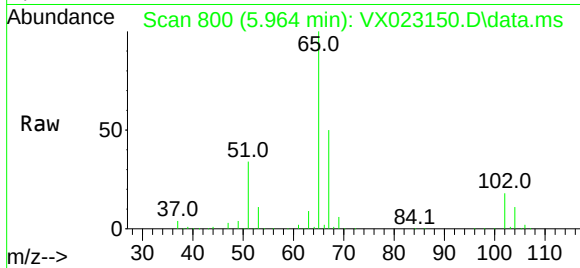




#33
1,2-Dichloroethane-d4
Concen: 51.373 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023150.D
Acq: 06 Jul 2021 16:53

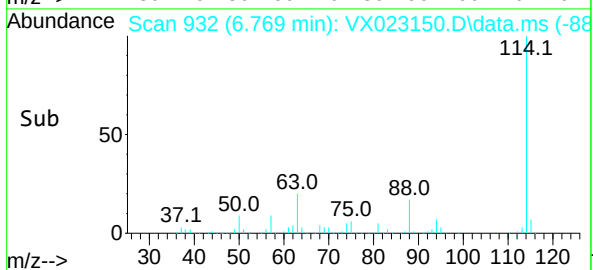
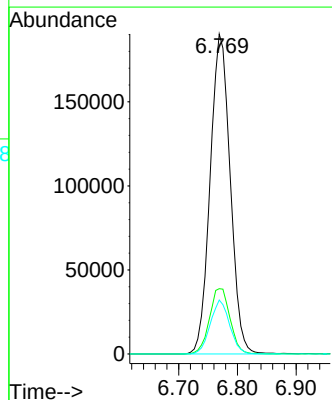
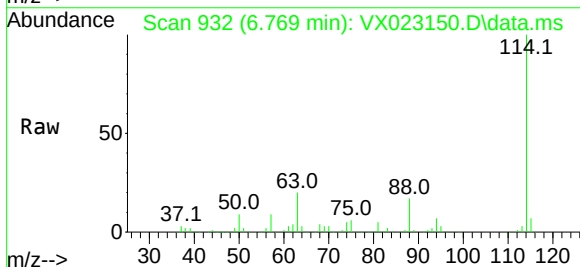
Instrument :
MSVOA_X
ClientSampleId :

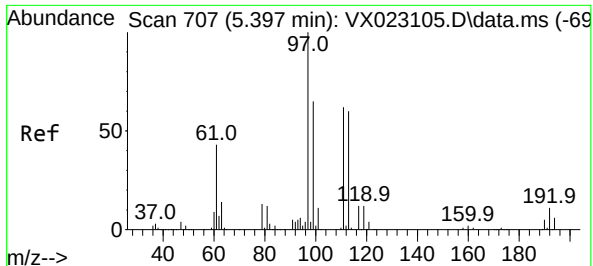
Tgt Ion: 65 Resp: 191376
Ion Ratio Lower Upper
65 100
67 50.4 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023150.D
Acq: 06 Jul 2021 16:53

Tgt Ion: 114 Resp: 451204
Ion Ratio Lower Upper
114 100
63 20.4 0.0 40.8
88 16.9 0.0 32.8

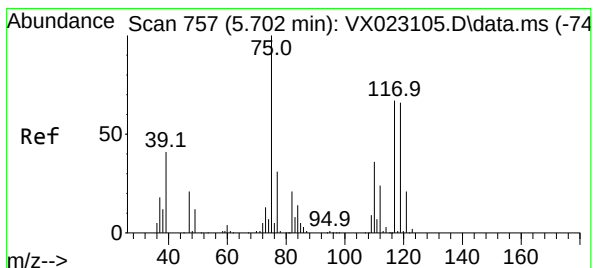
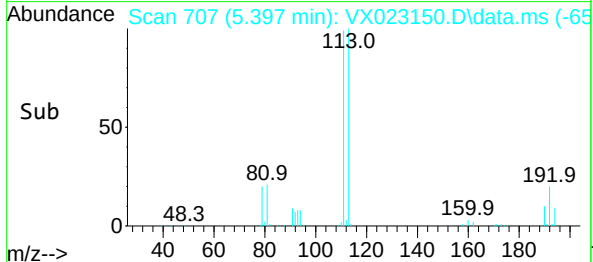
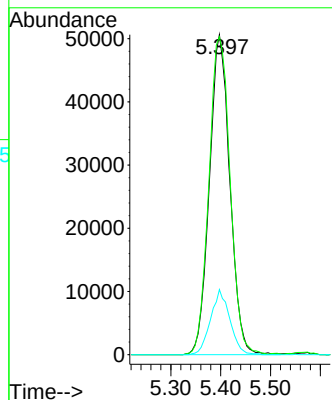
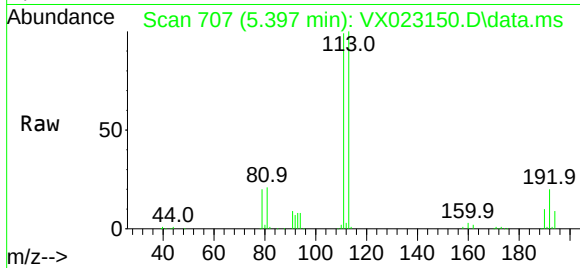




#35
Dibromofluoromethane
Concen: 49.392 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023150.D
Acq: 06 Jul 2021 16:53

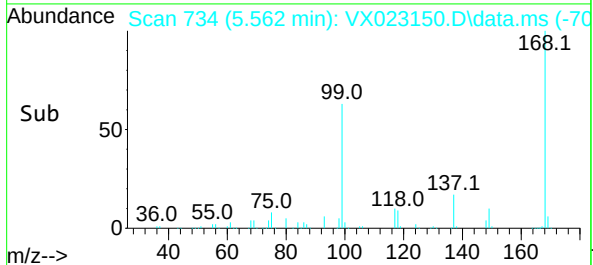
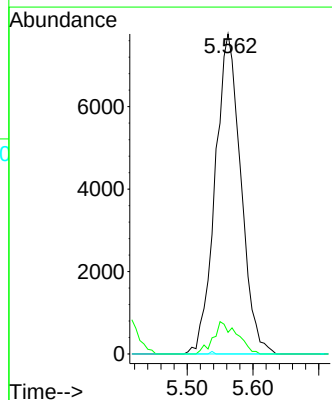
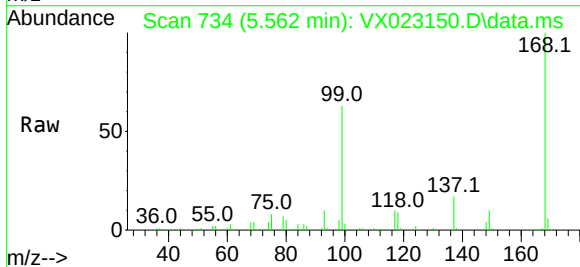
Instrument :
MSVOA_X
ClientSampled :

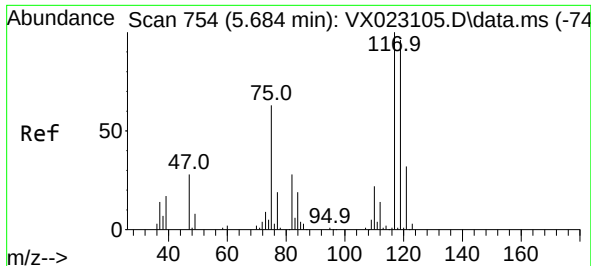
Tgt Ion:113 Resp: 143913
Ion Ratio Lower Upper
113 100
111 103.3 81.9 122.9
192 19.2 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.248 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023150.D
Acq: 06 Jul 2021 16:53

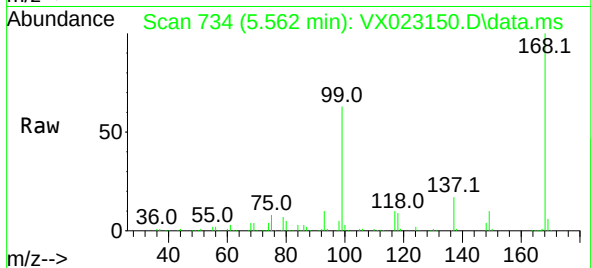
Tgt Ion: 75 Resp: 21111
Ion Ratio Lower Upper
75 100
110 9.4 18.1 54.4#
77 0.0 25.3 37.9#



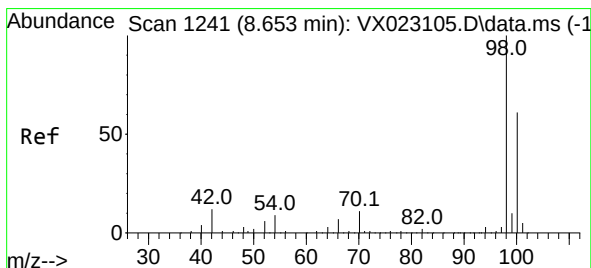
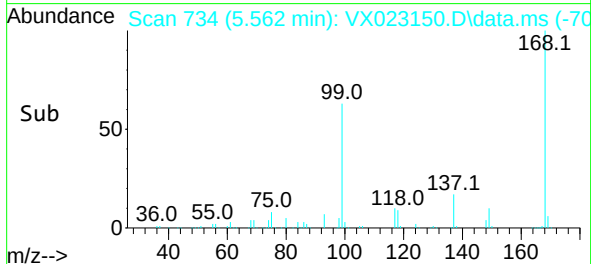
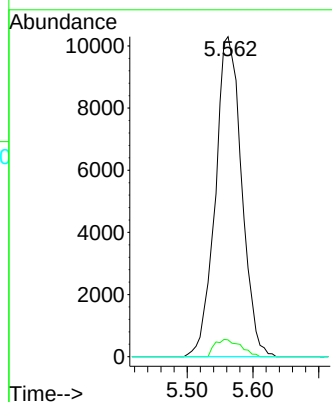


#38
Carbon Tetrachloride
Concen: 6.840 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023150.D
Acq: 06 Jul 2021 16:53

Instrument :
MSVOA_X
ClientSampled :

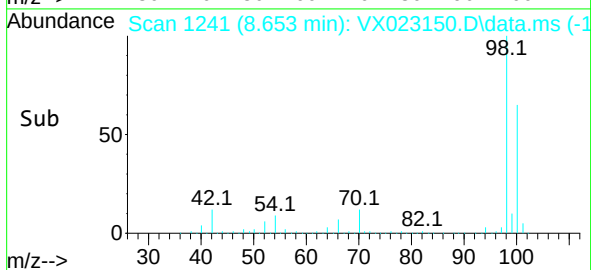
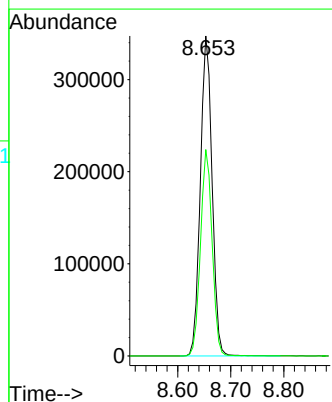
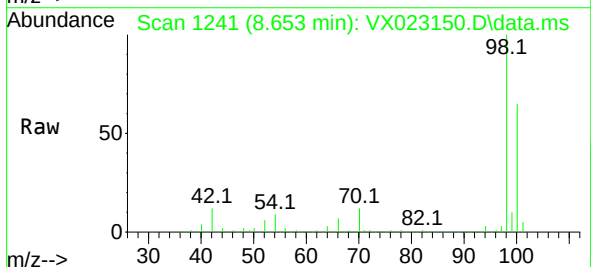


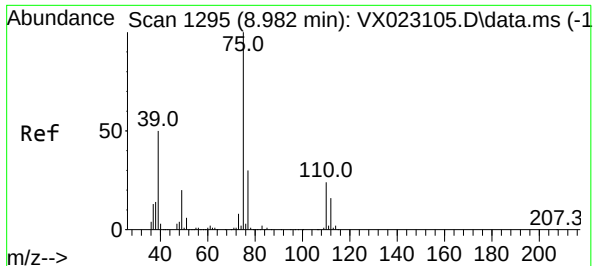
Tgt Ion:117 Resp: 28719
Ion Ratio Lower Upper
117 100
119 5.3 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 49.222 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023150.D
Acq: 06 Jul 2021 16:53

Tgt Ion: 98 Resp: 534979
Ion Ratio Lower Upper
98 100
100 63.9 51.9 77.9

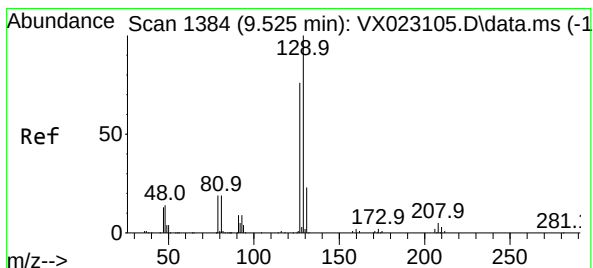
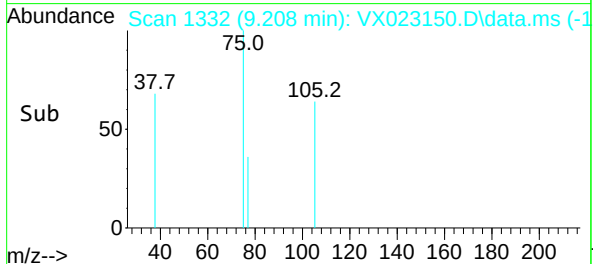
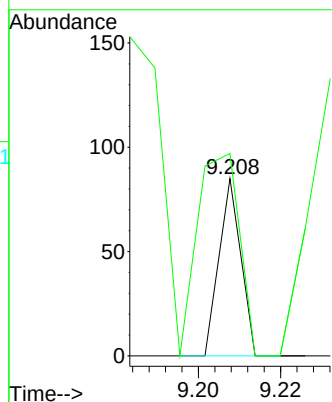
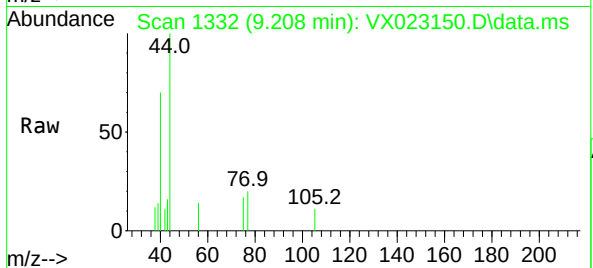




#53
t-1,3-Dichloropropene
Concen: 2.742 ug/l
RT: 9.208 min Scan# 1332
Delta R.T. 0.226 min
Lab File: VX023150.D
Acq: 06 Jul 2021 16:53

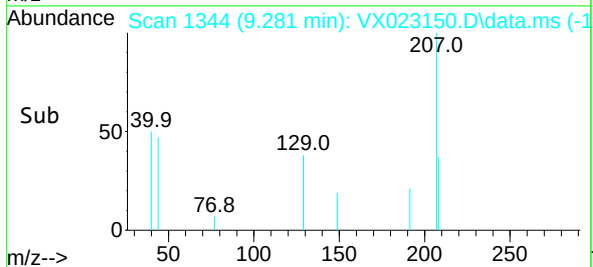
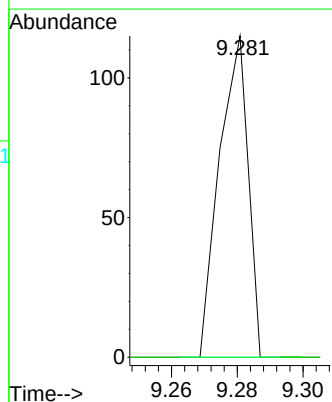
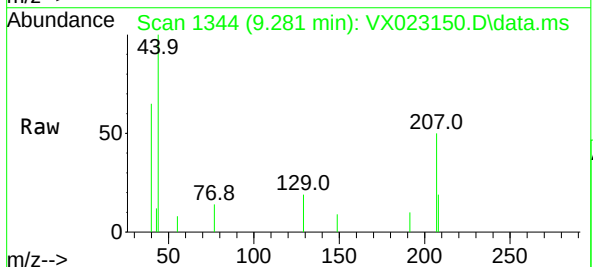
Instrument :
MSVOA_X
ClientSampled :

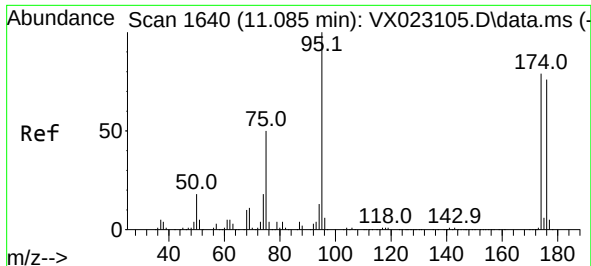
Tgt Ion: 75 Resp: 31
Ion Ratio Lower Upper
75 100
77 114.1 24.9 37.3#



#60
Dibromochloromethane
Concen: 3.131 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX023150.D
Acq: 06 Jul 2021 16:53

Tgt Ion: 129 Resp: 70
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

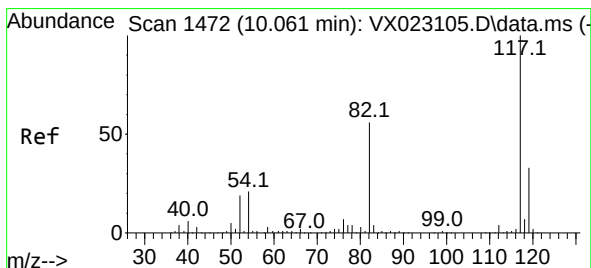
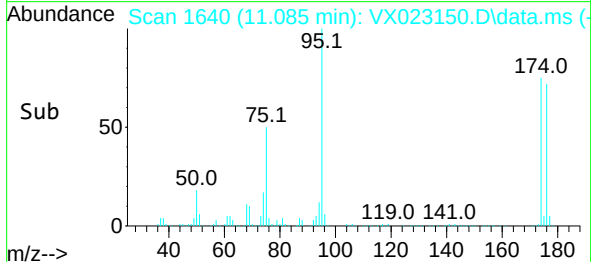
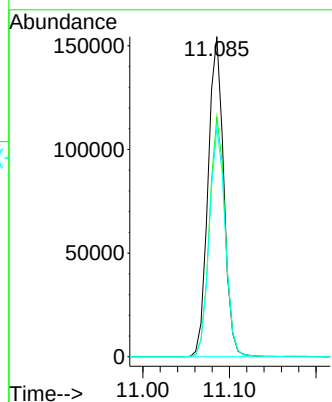
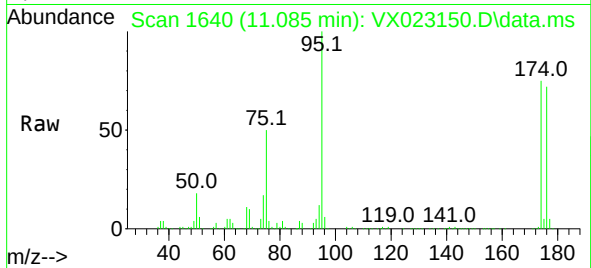




#62
4-Bromofluorobenzene
Concen: 46.121 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023150.D
Acq: 06 Jul 2021 16:53

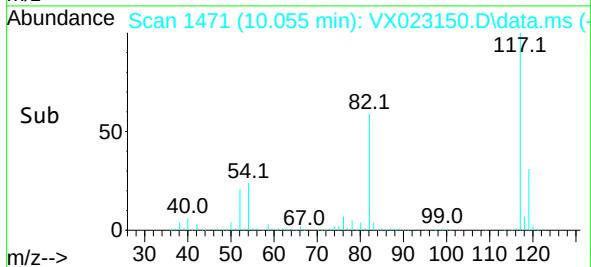
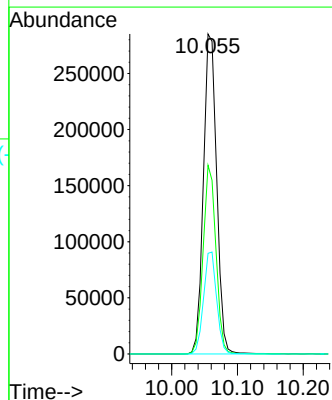
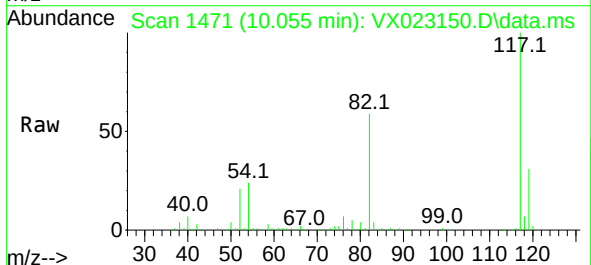
Instrument :
MSVOA_X
ClientSampleId :

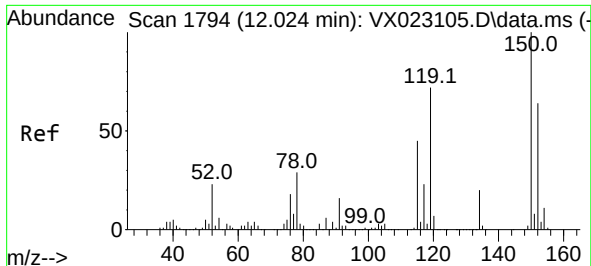
Tgt Ion: 95 Resp: 193520
Ion Ratio Lower Upper
95 100
174 75.3 0.0 154.6
176 72.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023150.D
Acq: 06 Jul 2021 16:53

Tgt Ion: 117 Resp: 400245
Ion Ratio Lower Upper
117 100
82 59.0 47.4 71.2
119 31.5 26.6 39.8

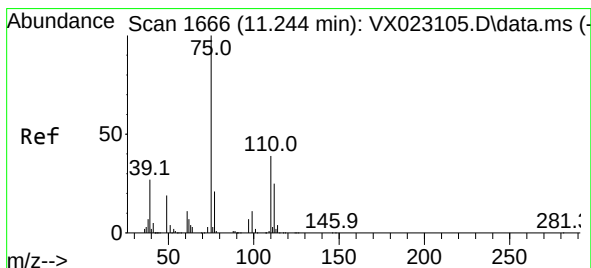
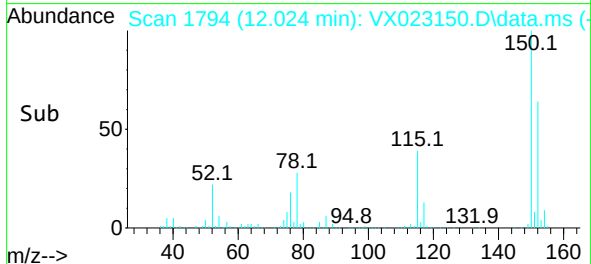
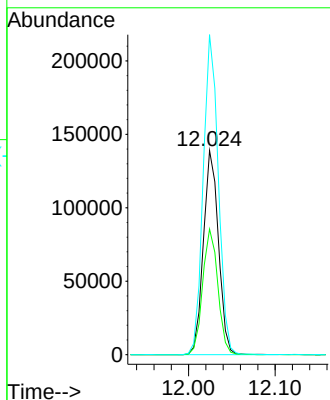
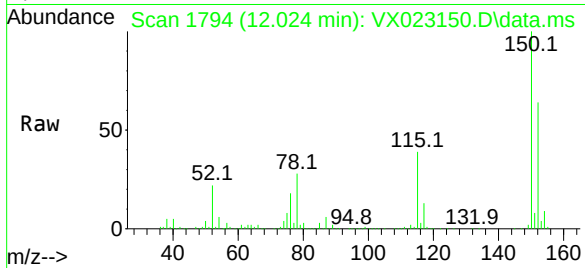




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023150.D
 Acq: 06 Jul 2021 16:53

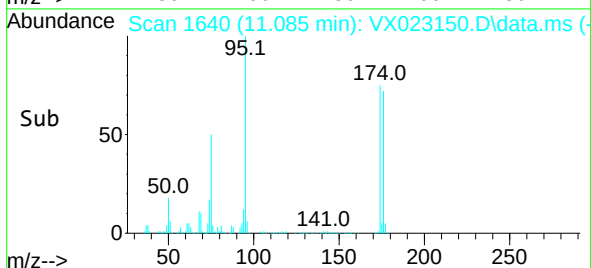
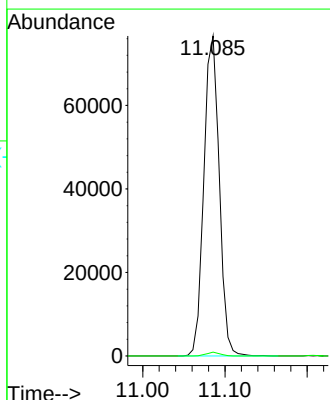
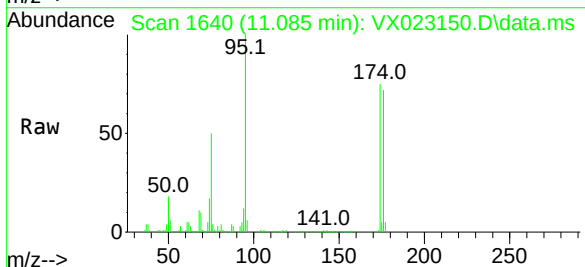
Instrument :
 MSVOA_X
 ClientSampled :

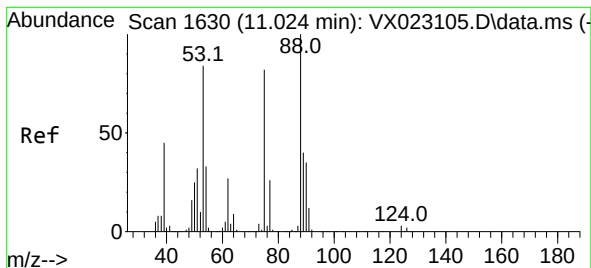
Tgt Ion:152 Resp: 168091
 Ion Ratio Lower Upper
 152 100
 115 61.9 41.1 123.3
 150 157.2 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 29.514 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023150.D
 Acq: 06 Jul 2021 16:53

Tgt Ion: 75 Resp: 99833
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#

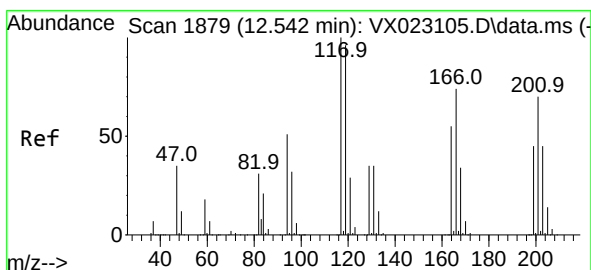
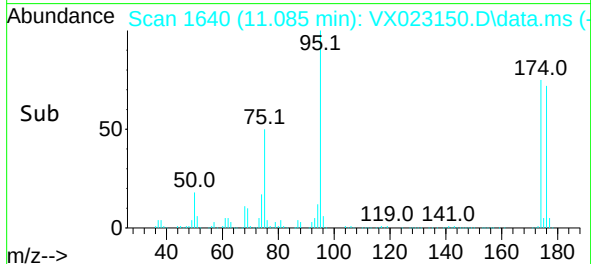
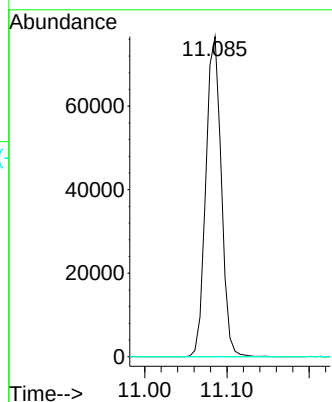
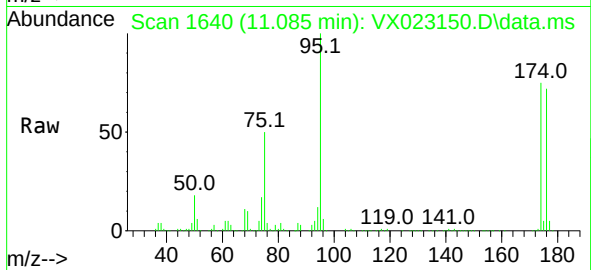




#81
trans-1,4-Dichloro-2-butene
Concen: 79.323 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023150.D
Acq: 06 Jul 2021 16:53

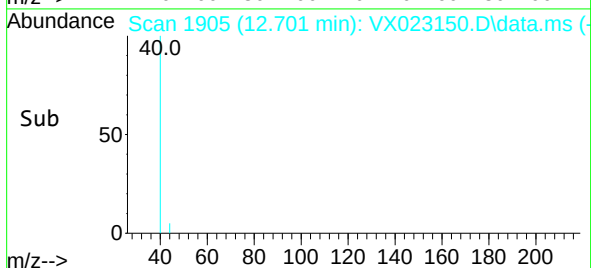
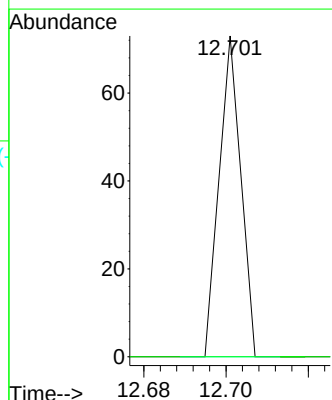
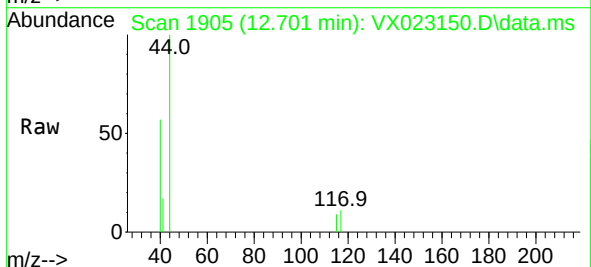
Instrument :
MSVOA_X
ClientSampleId :

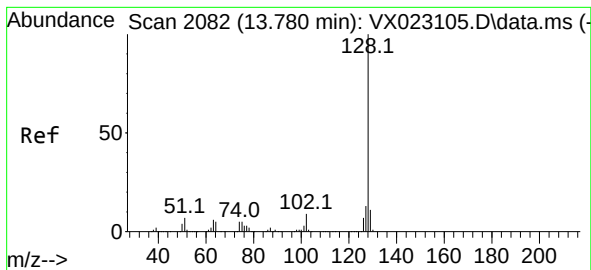
Tgt Ion: 75 Resp: 99833
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#90
Hexachloroethane
Concen: 3.010 ug/l
RT: 12.701 min Scan# 1905
Delta R.T. 0.159 min
Lab File: VX023150.D
Acq: 06 Jul 2021 16:53

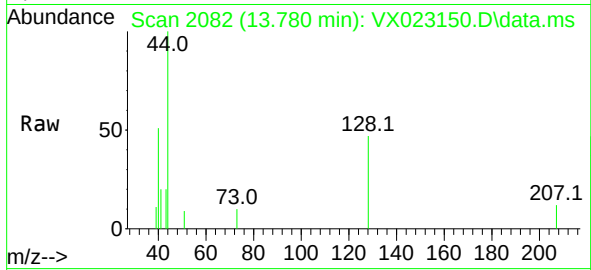
Tgt Ion: 117 Resp: 27
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#





#95
Naphthalene
Concen: 1.297 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023150.D
Acq: 06 Jul 2021 16:53

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
128	100		
127	10.8	10.3	15.5
129	0.0	8.8	13.2#

