

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070621\
 Data File : VX023149.D
 Acq On : 06 Jul 2021 16:29
 Operator : JC/MD
 Sample : M2923-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

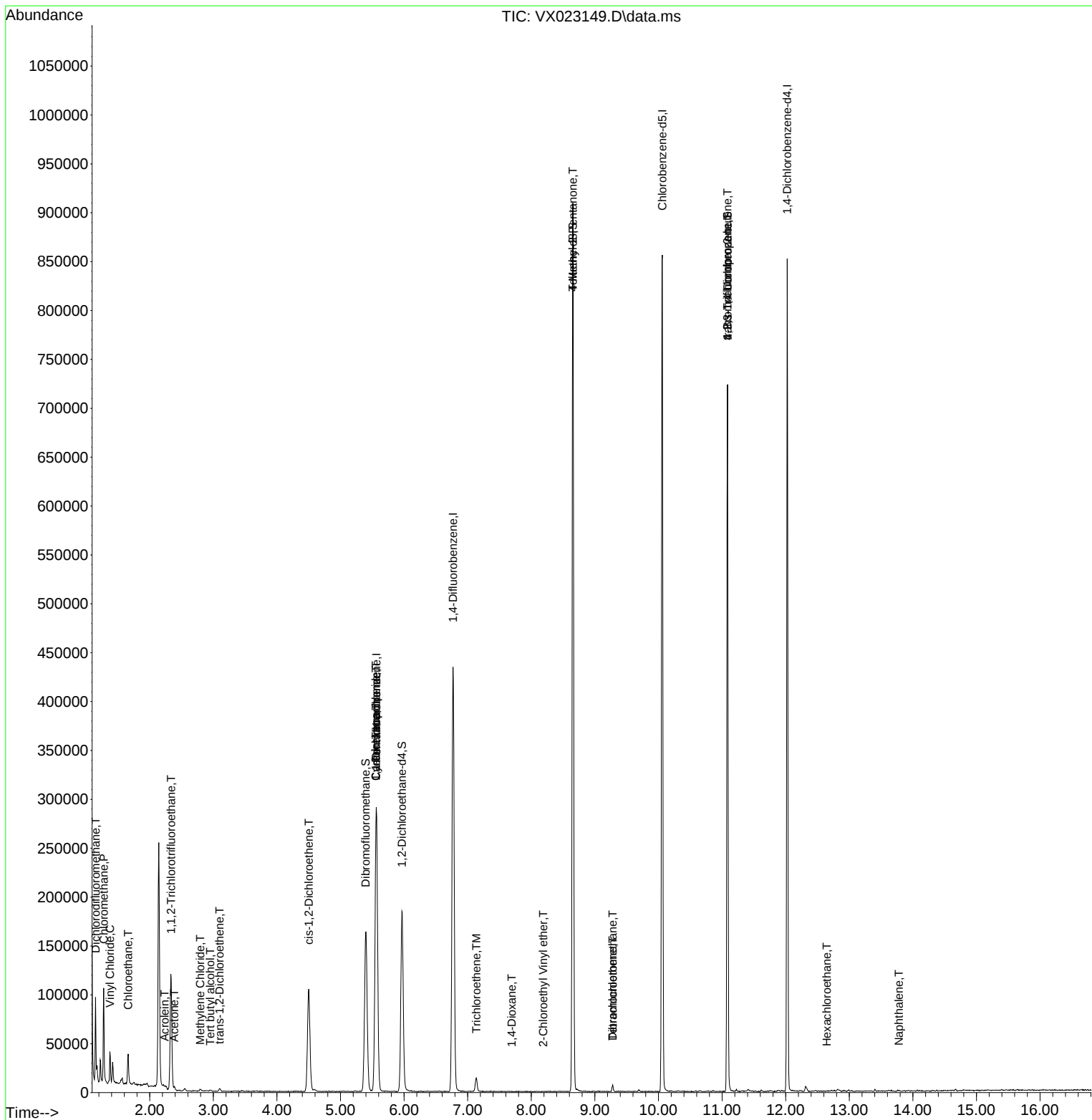
Quant Time: Jul 07 02:53:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 02 14:29:42 2021
 Response via : Initial Calibration

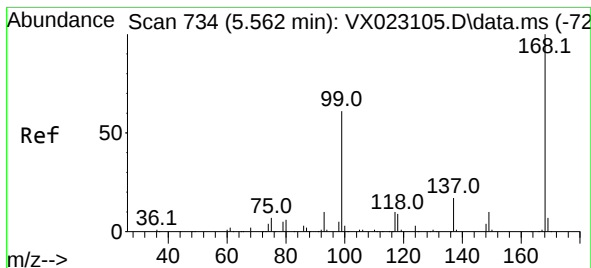
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	266972	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	443549	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	395144	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	165962	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	185839	51.793	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	103.580%
35) Dibromofluoromethane	5.397	113	142045	49.592	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.180%
50) Toluene-d8	8.653	98	525392	49.174	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.340%
62) 4-Bromofluorobenzene	11.085	95	190389	46.158	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.320%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.148	85	7007	2.897	ug/l	98
3) Chloromethane	1.276	50	887	0.371	ug/l #	42
4) Vinyl Chloride	1.374	62	16871	6.654	ug/l	99
5) Bromomethane	1.624	94	1199	Below Cal	#	80
6) Chloroethane	1.660	64	888	0.536	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.337	101	44358	17.203	ug/l	94
11) Tert butyl alcohol	2.953	59	665	0.881	ug/l #	91
13) Acrolein	2.233	56	258	0.513	ug/l #	14
16) Acetone	2.386	43	3215	2.265	ug/l	90
20) Methylene Chloride	2.794	84	973	0.318	ug/l #	87
21) trans-1,2-Dichloroethene	3.099	96	714	0.278	ug/l #	77
27) cis-1,2-Dichloroethene	4.501	96	65405	21.009	ug/l	92
31) Cyclohexane	5.556	56	6203	1.444	ug/l #	12
36) 1,1-Dichloropropene	5.556	75	21090	5.334	ug/l #	50
38) Carbon Tetrachloride	5.556	117	28511	6.908	ug/l #	16
44) Trichloroethene	7.135	130	5193	1.595	ug/l	92
49) 1,4-Dioxane	7.690	88	85	1.073	ug/l #	24
51) 4-Methyl-2-Pentanone	8.653	43	2851	0.641	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.189	63	47	4.707	ug/l #	45
60) Dibromochloromethane	9.281	129	940	3.366	ug/l #	11
64) Tetrachloroethene	9.281	164	964	0.306	ug/l #	83
76) 1,2,3-Trichloropropane	11.085	75	98631	29.533	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	98631	79.370	ug/l #	12
90) Hexachloroethane	12.646	117	44	3.019	ug/l #	9
95) Naphthalene	13.780	128	505	1.315	ug/l #	74

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

Quant Time: Jul 07 02:53:26 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.000 min

Lab File: VX023149.D

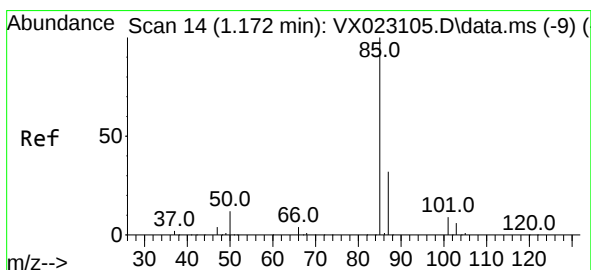
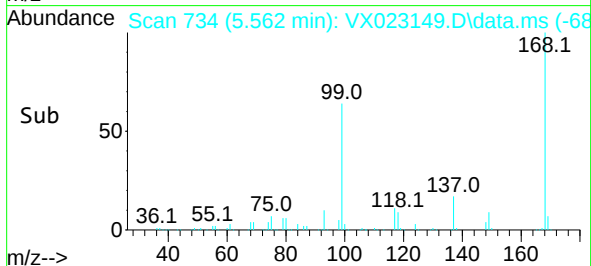
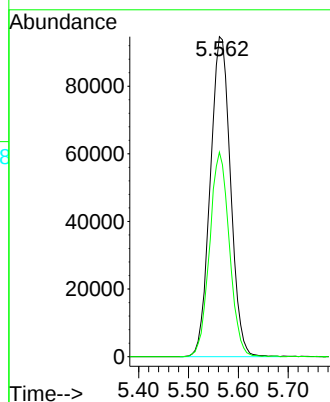
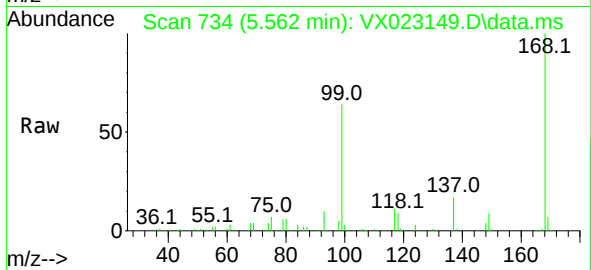
Acq: 06 Jul 2021 16:29

Tgt Ion:168 Resp: 266972

Ion Ratio Lower Upper

168 100

99 63.9 45.8 68.6



#2

Dichlorodifluoromethane

Concen: 2.897 ug/l

RT: 1.148 min Scan# 10

Delta R.T. -0.024 min

Lab File: VX023149.D

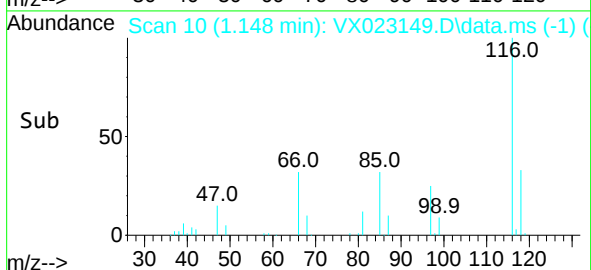
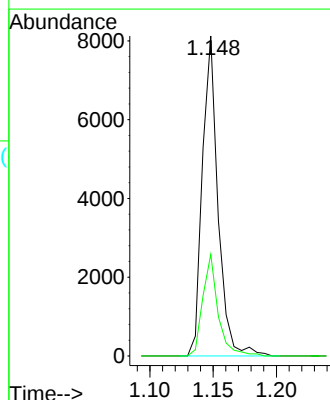
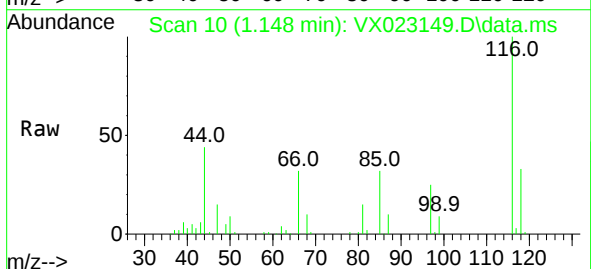
Acq: 06 Jul 2021 16:29

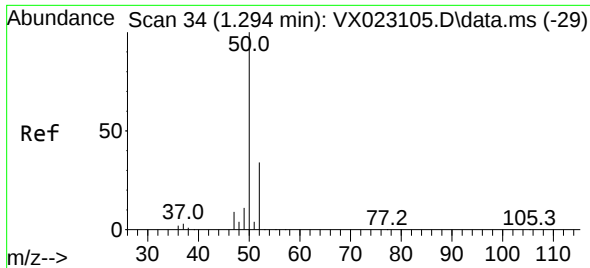
Tgt Ion: 85 Resp: 7007

Ion Ratio Lower Upper

85 100

87 31.7 16.4 49.2

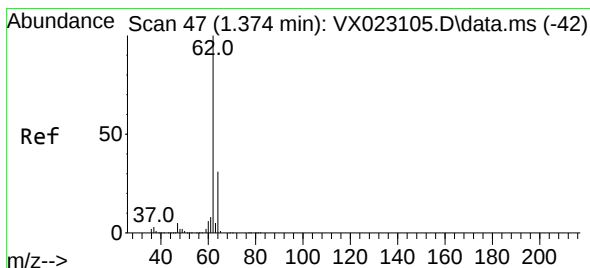
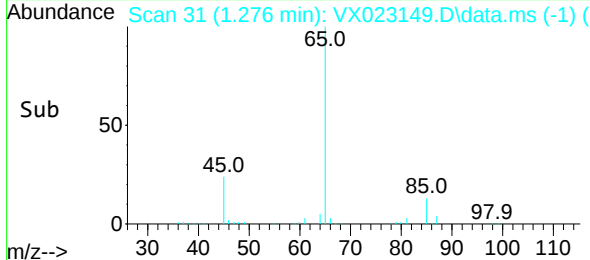
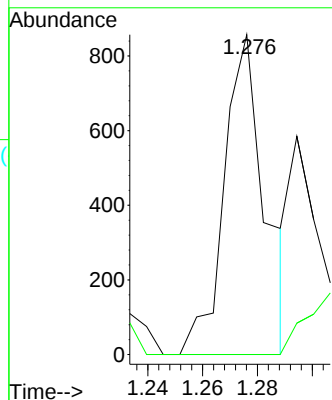
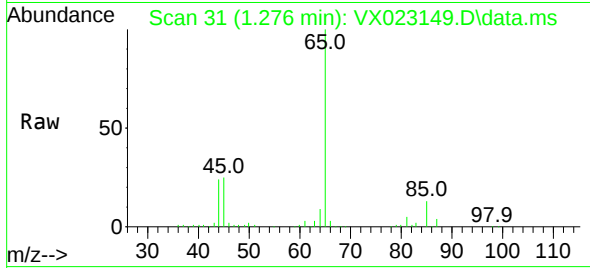




#3
Chloromethane
Concen: 0.371 ug/l
RT: 1.276 min Scan# 31
Delta R.T. -0.018 min
Lab File: VX023149.D
Acq: 06 Jul 2021 16:29

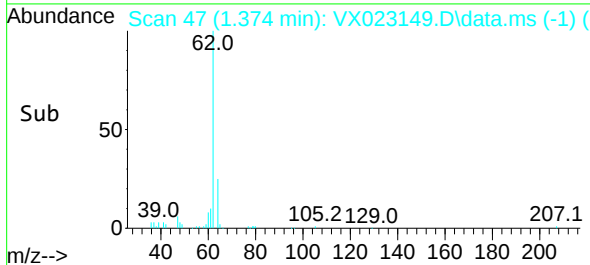
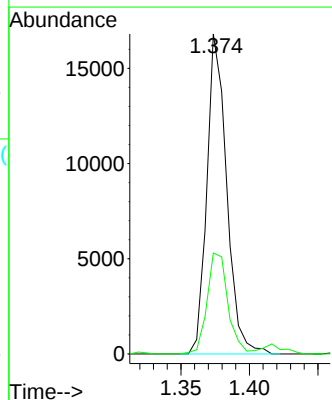
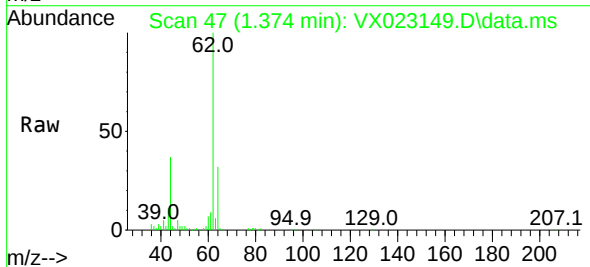
Instrument :
MSVOA_X
ClientSampled :

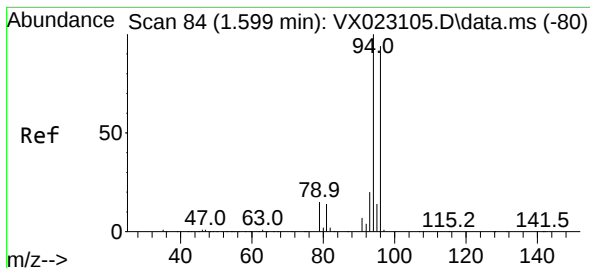
Tgt Ion: 50 Resp: 887
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#



#4
Vinyl Chloride
Concen: 6.654 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX023149.D
Acq: 06 Jul 2021 16:29

Tgt Ion: 62 Resp: 16871
Ion Ratio Lower Upper
62 100
64 31.6 25.7 38.5





#5

Bromomethane

Concen: Below Cal

RT: 1.624 min Scan# 88

Delta R.T. 0.025 min

Lab File: VX023149.D

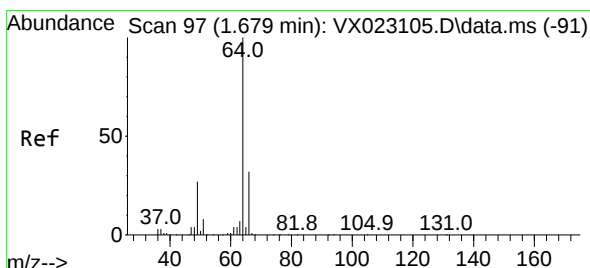
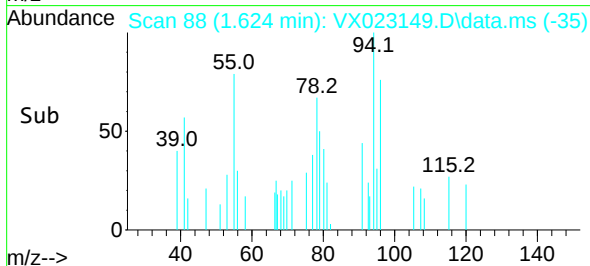
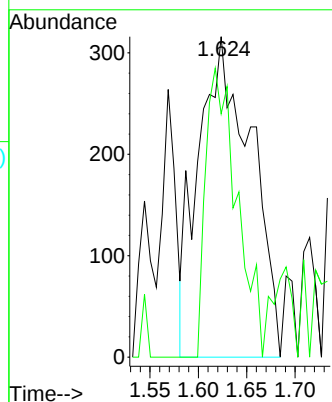
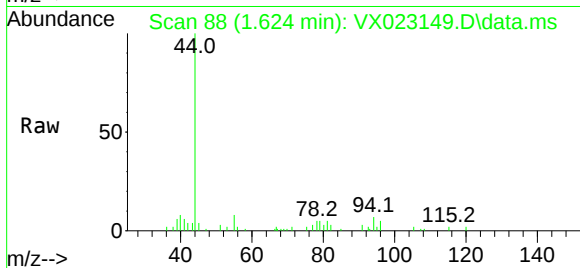
Acq: 06 Jul 2021 16:29

Tgt Ion: 94 Resp: 1199

Ion Ratio Lower Upper

94 100

96 75.9 76.4 114.6#



#6

Chloroethane

Concen: 0.536 ug/l

RT: 1.660 min Scan# 94

Delta R.T. -0.019 min

Lab File: VX023149.D

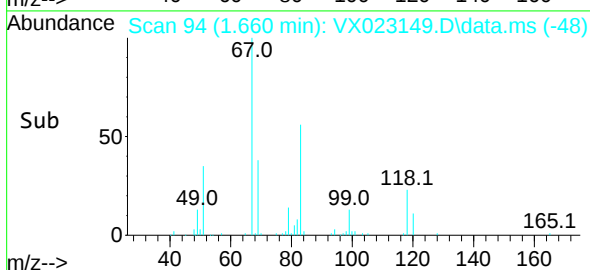
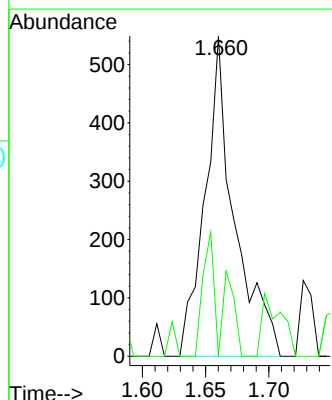
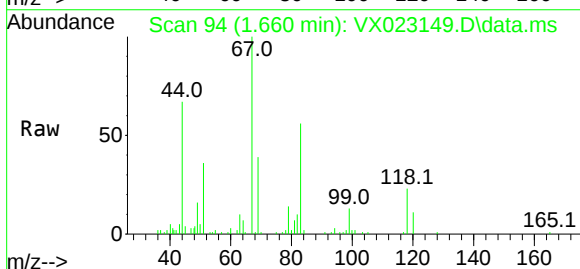
Acq: 06 Jul 2021 16:29

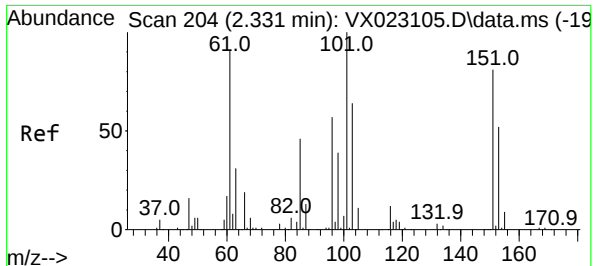
Tgt Ion: 64 Resp: 888

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.0#

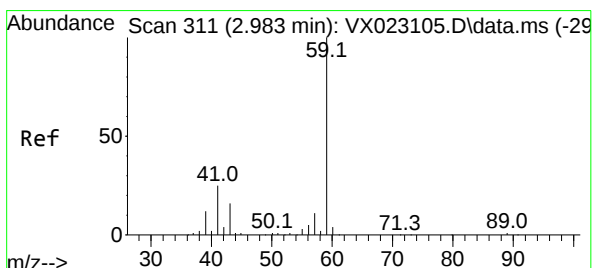
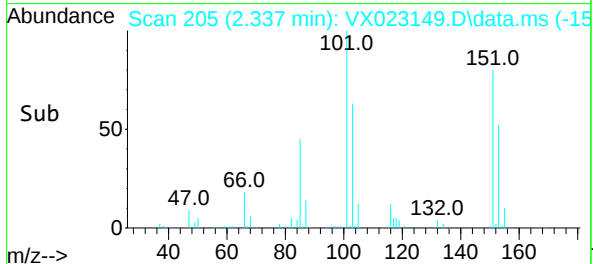
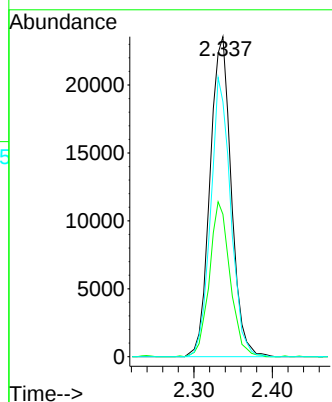
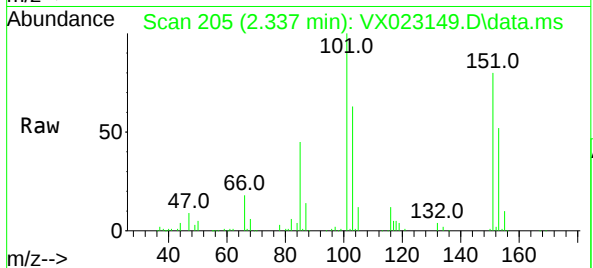




#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.203 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: VX023149.D
Acq: 06 Jul 2021 16:29

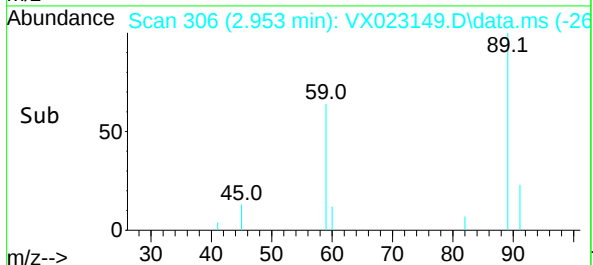
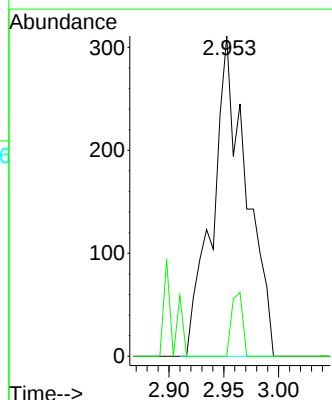
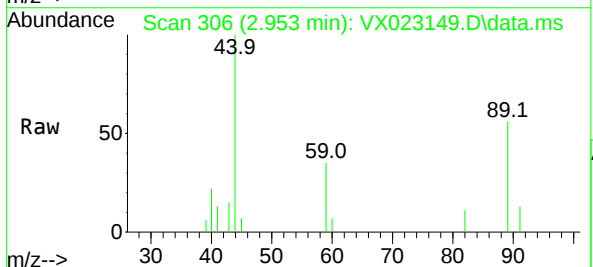
Instrument :
MSVOA_X
ClientSampled :

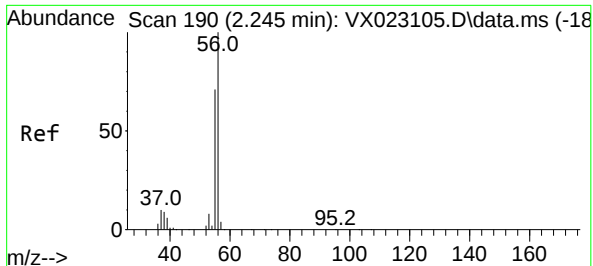
Tgt Ion:101 Resp: 44358
Ion Ratio Lower Upper
101 100
85 46.9 34.9 52.3
151 82.3 61.4 92.2



#11
Tert butyl alcohol
Concen: 0.881 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX023149.D
Acq: 06 Jul 2021 16:29

Tgt Ion: 59 Resp: 665
Ion Ratio Lower Upper
59 100
57 6.5 7.8 11.8#

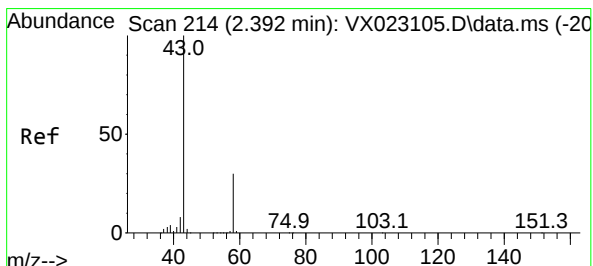
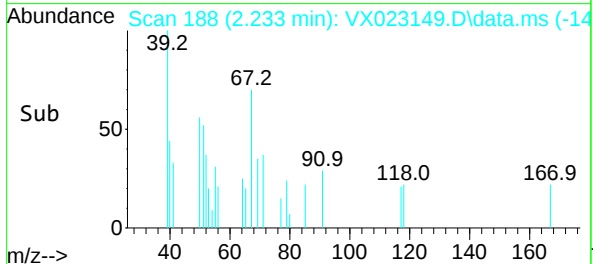
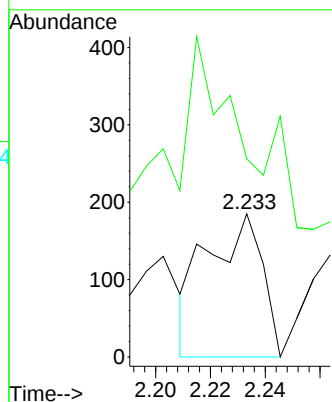
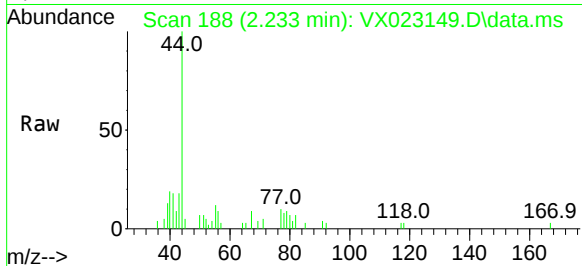




#13
Acrolein
Concen: 0.513 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.012 min
Lab File: VX023149.D
Acq: 06 Jul 2021 16:29

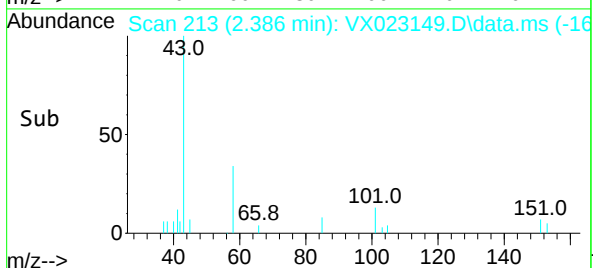
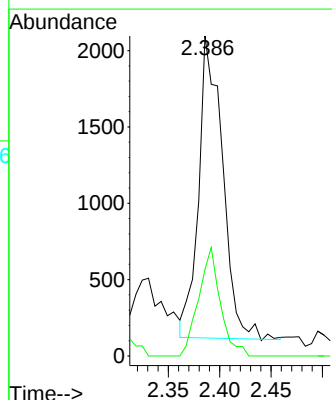
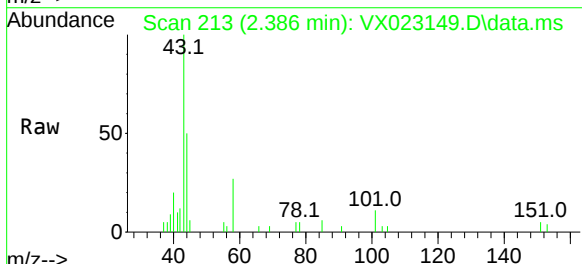
Instrument :
MSVOA_X
ClientSampled :

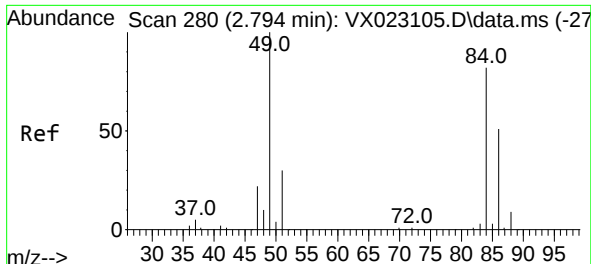
Tgt Ion: 56 Resp: 258
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 2.265 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023149.D
Acq: 06 Jul 2021 16:29

Tgt Ion: 43 Resp: 3215
Ion Ratio Lower Upper
43 100
58 28.8 27.8 41.8





#20

Methylene Chloride

Concen: 0.318 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX023149.D

Acq: 06 Jul 2021 16:29

Tgt Ion: 84 Resp: 973

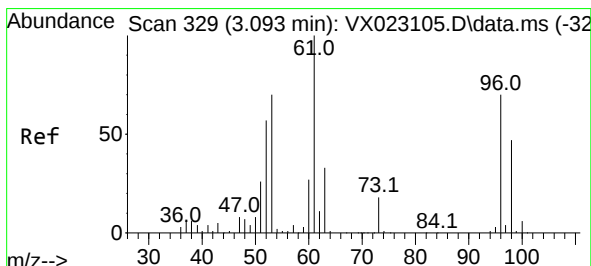
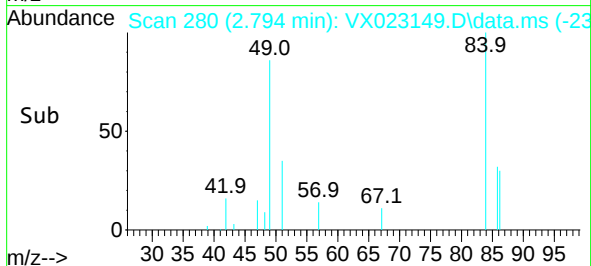
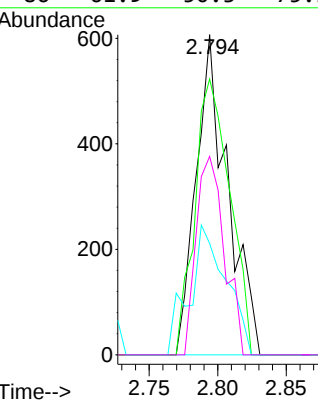
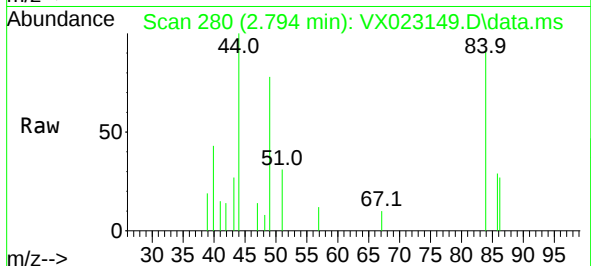
Ion Ratio Lower Upper

84 100

49 86.2 88.6 132.8#

51 34.8 27.0 40.6

86 61.9 50.3 75.5



#21

trans-1,2-Dichloroethene

Concen: 0.278 ug/l

RT: 3.099 min Scan# 330

Delta R.T. 0.006 min

Lab File: VX023149.D

Acq: 06 Jul 2021 16:29

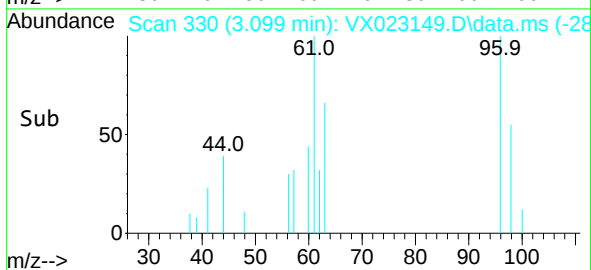
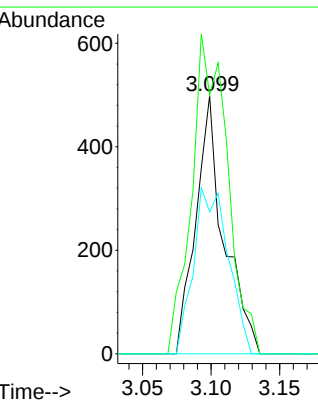
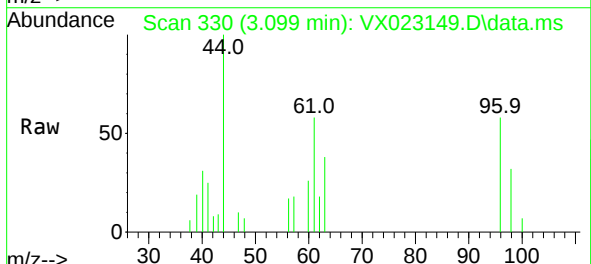
Tgt Ion: 96 Resp: 714

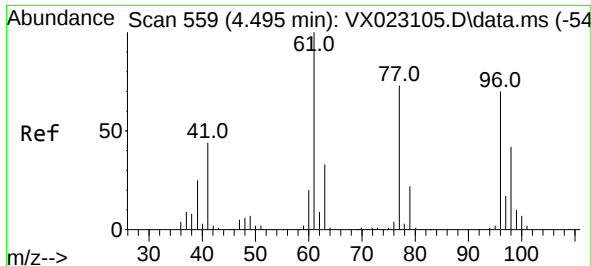
Ion Ratio Lower Upper

96 100

61 100.2 107.7 161.5#

98 54.9 50.4 75.6





#27

cis-1,2-Dichloroethene

Concen: 21.009 ug/l

RT: 4.501 min Scan# 560

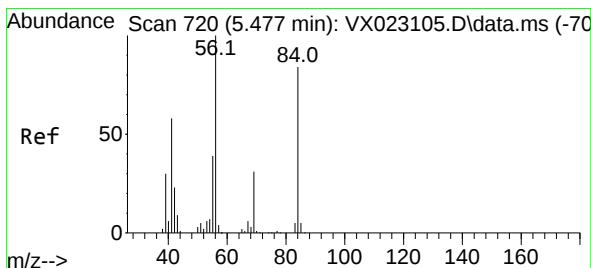
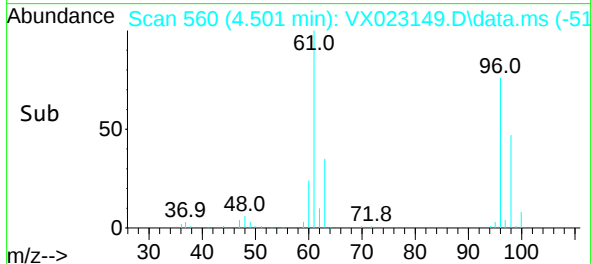
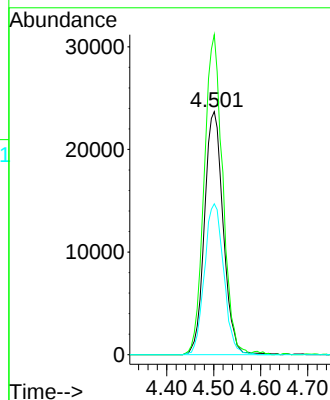
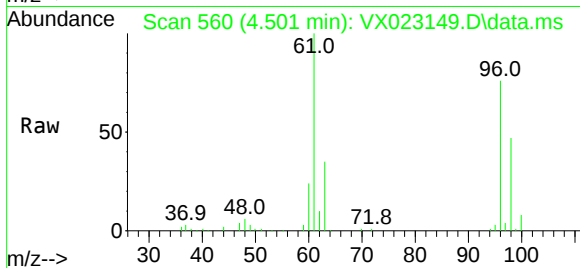
Delta R.T. 0.006 min

Lab File: VX023149.D

Acq: 06 Jul 2021 16:29

Tgt Ion: 96 Resp: 65405

Ion	Ratio	Lower	Upper
96	100		
61	129.7	0.0	285.6
98	63.9	0.0	129.6



#31

Cyclohexane

Concen: 1.444 ug/l

RT: 5.556 min Scan# 733

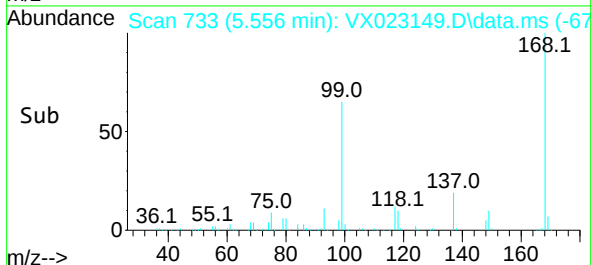
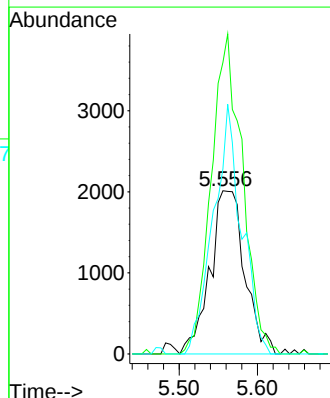
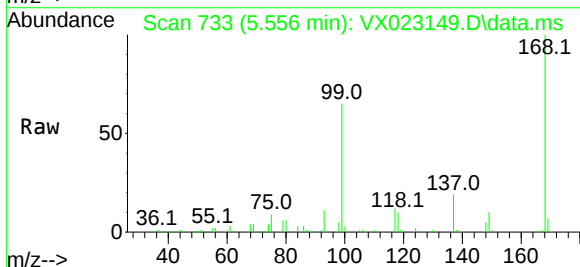
Delta R.T. 0.079 min

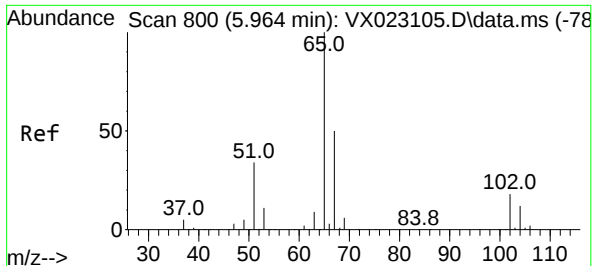
Lab File: VX023149.D

Acq: 06 Jul 2021 16:29

Tgt Ion: 56 Resp: 6203

Ion	Ratio	Lower	Upper
56	100		
69	178.6	25.3	37.9#
84	113.4	71.4	107.0#

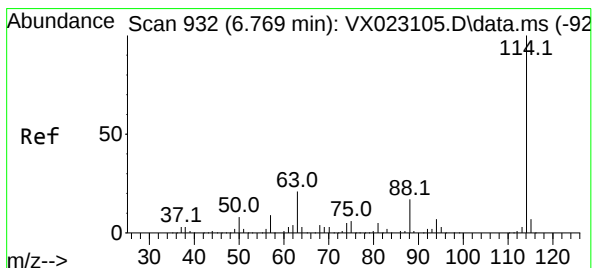
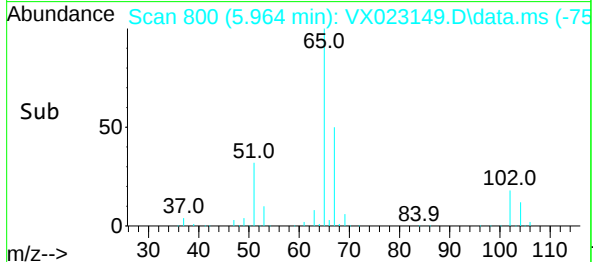
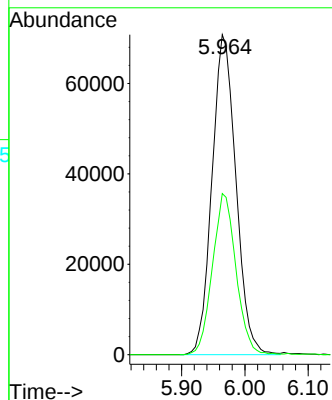
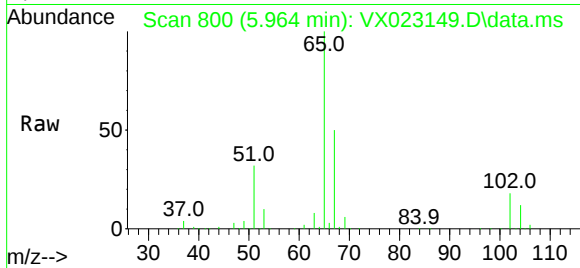




#33
 1,2-Dichloroethane-d4
 Concen: 51.793 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX023149.D
 Acq: 06 Jul 2021 16:29

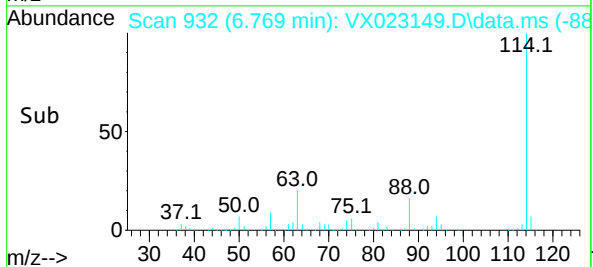
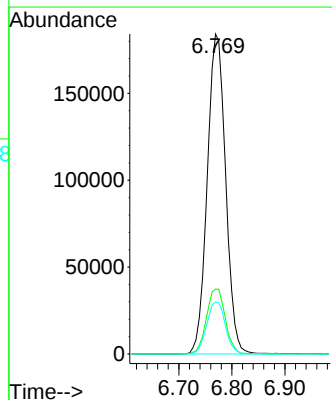
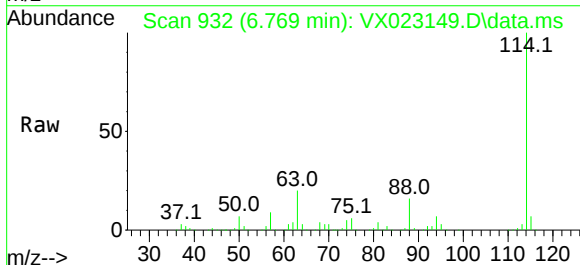
Instrument :
 MSVOA_X
 ClientSampleId :

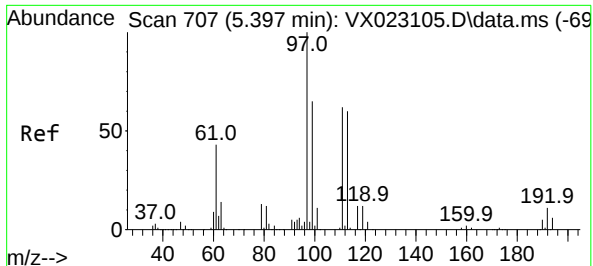
Tgt Ion: 65 Resp: 185839
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX023149.D
 Acq: 06 Jul 2021 16:29

Tgt Ion: 114 Resp: 443549
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.8
 88 16.2 0.0 32.8

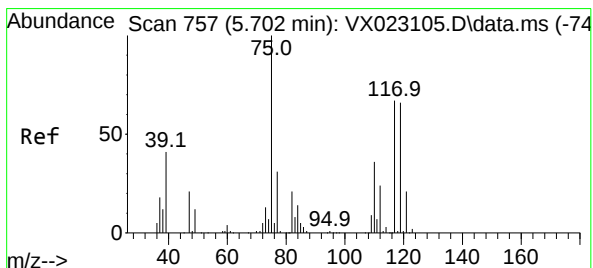
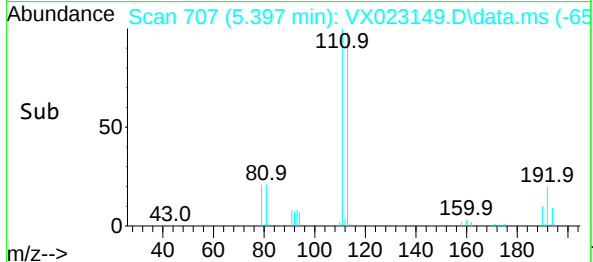
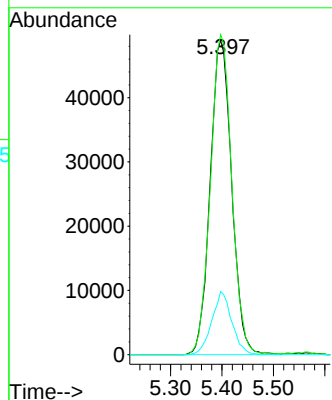
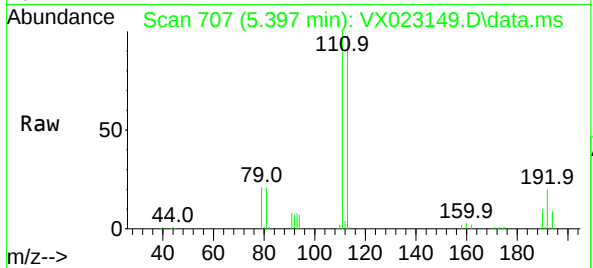




#35
Dibromofluoromethane
Concen: 49.592 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023149.D
Acq: 06 Jul 2021 16:29

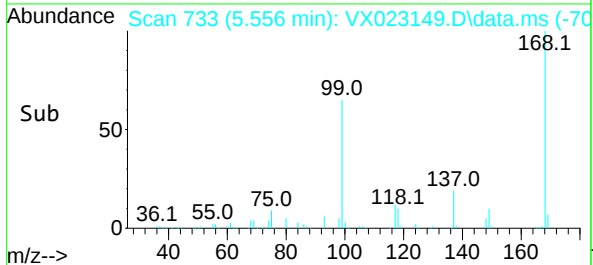
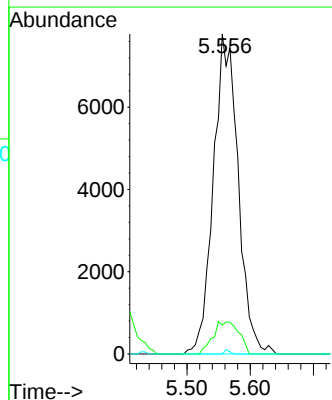
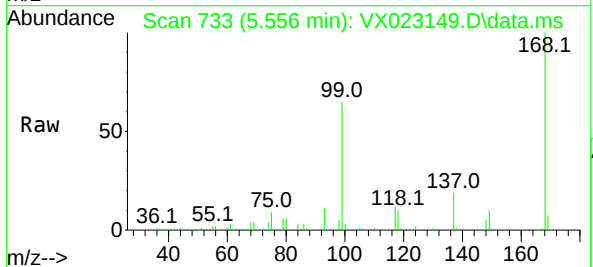
Instrument :
MSVOA_X
ClientSampled :

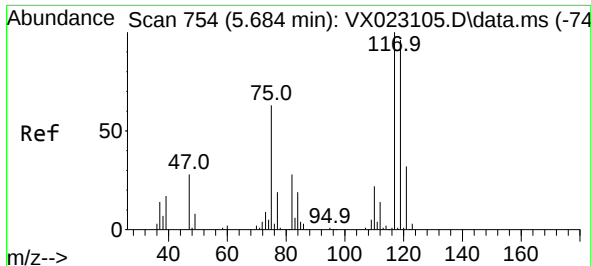
Tgt Ion:113 Resp: 142045
Ion Ratio Lower Upper
113 100
111 101.1 81.9 122.9
192 18.7 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.334 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX023149.D
Acq: 06 Jul 2021 16:29

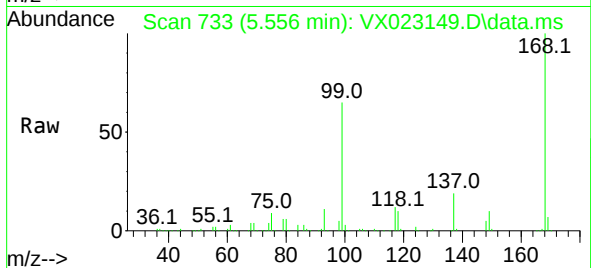
Tgt Ion: 75 Resp: 21090
Ion Ratio Lower Upper
75 100
110 10.6 18.1 54.4#
77 0.3 25.3 37.9#



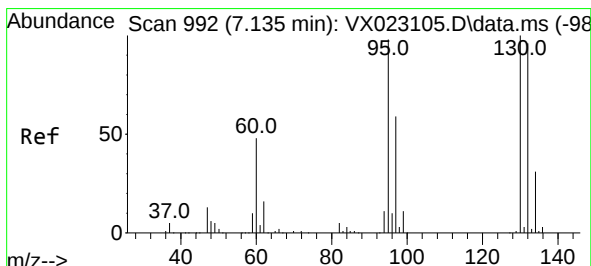
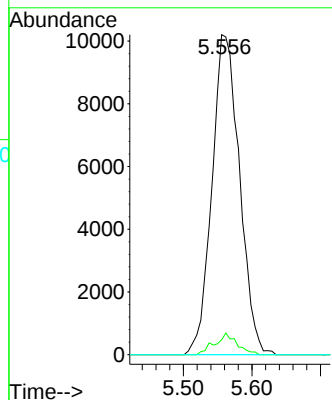
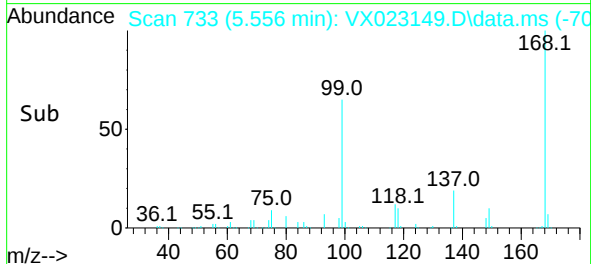


#38
Carbon Tetrachloride
Concen: 6.908 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX023149.D
Acq: 06 Jul 2021 16:29

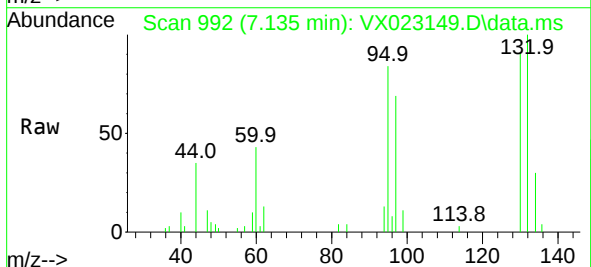
Instrument :
MSVOA_X
ClientSampled :



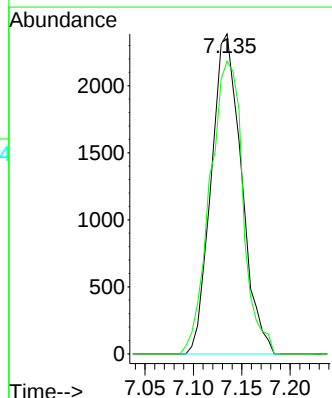
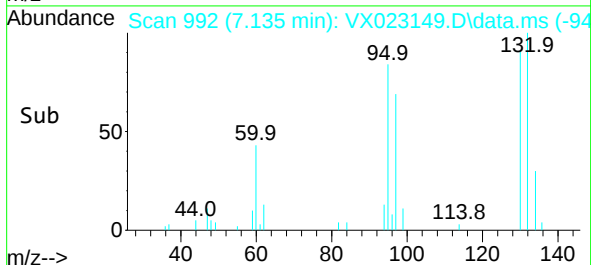
Tgt Ion:117 Resp: 28511
Ion Ratio Lower Upper
117 100
119 4.6 76.2 114.2#
121 0.0 24.8 37.2#

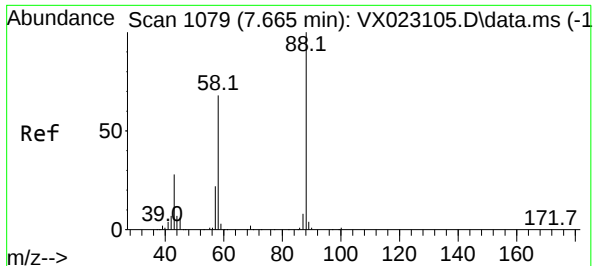


#44
Trichloroethene
Concen: 1.595 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.000 min
Lab File: VX023149.D
Acq: 06 Jul 2021 16:29



Tgt Ion:130 Resp: 5193
Ion Ratio Lower Upper
130 100
95 91.5 0.0 198.0

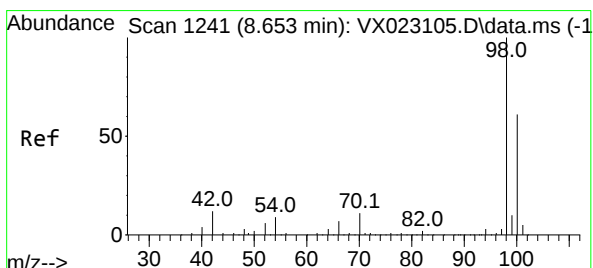
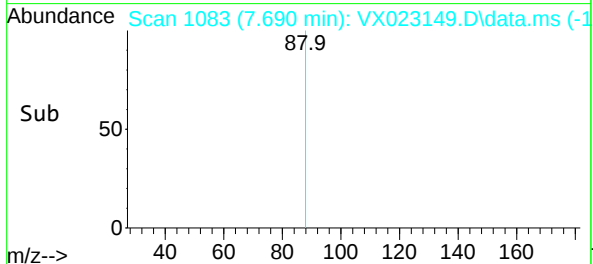
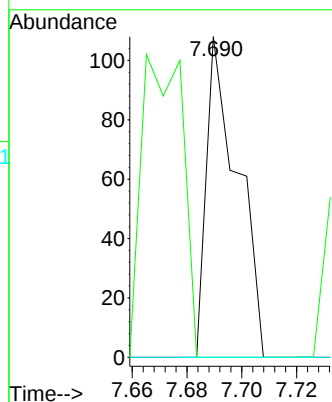
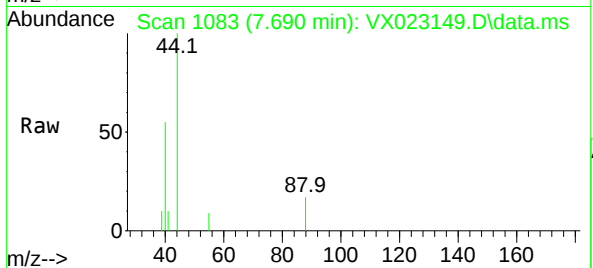




#49
1,4-Dioxane
Concen: 1.073 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.025 min
Lab File: VX023149.D
Acq: 06 Jul 2021 16:29

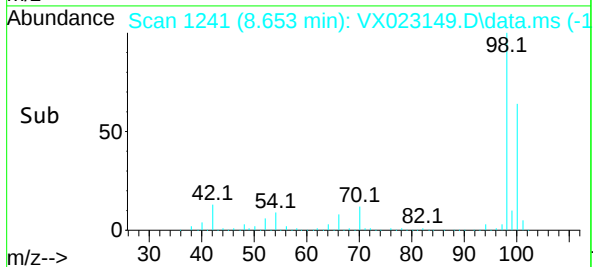
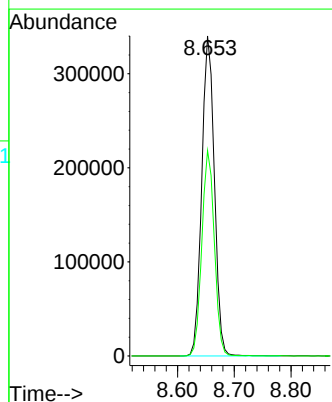
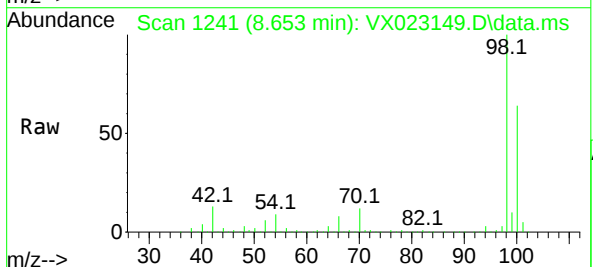
Instrument :
MSVOA_X
ClientSampled :

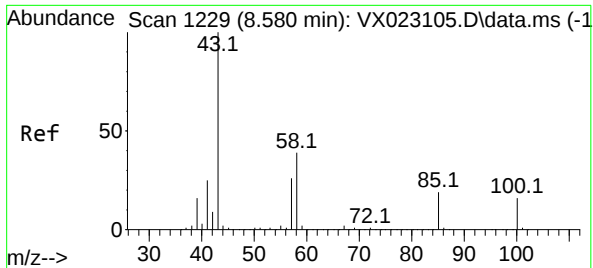
Tgt Ion: 88 Resp: 85
Ion Ratio Lower Upper
88 100
43 0.0 23.2 34.8#
58 0.0 55.0 82.4#



#50
Toluene-d8
Concen: 49.174 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023149.D
Acq: 06 Jul 2021 16:29

Tgt Ion: 98 Resp: 525392
Ion Ratio Lower Upper
98 100
100 63.6 51.9 77.9

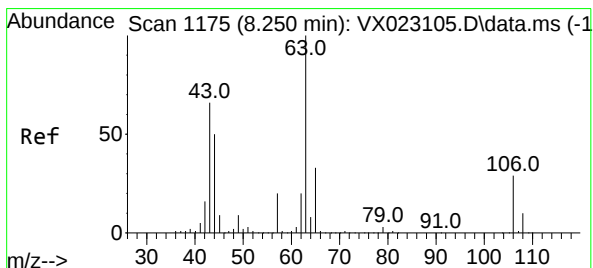
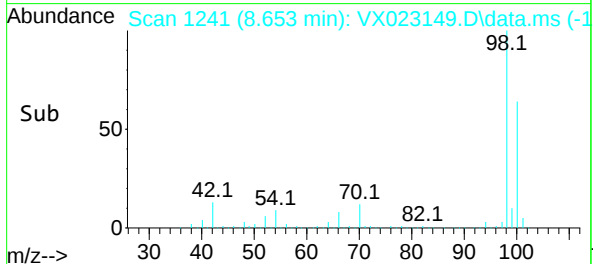
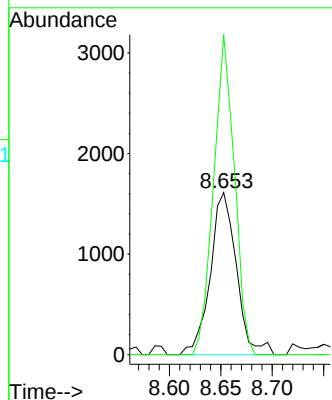
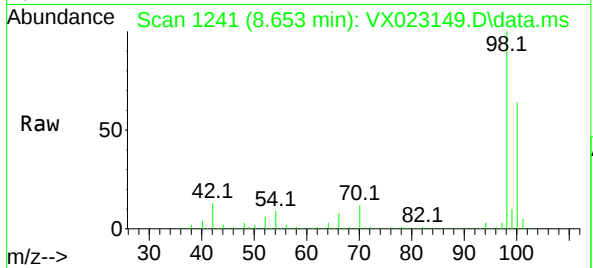




#51
4-Methyl-2-Pentanone
Concen: 0.641 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX023149.D
Acq: 06 Jul 2021 16:29

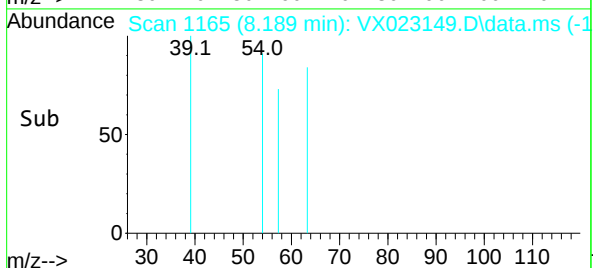
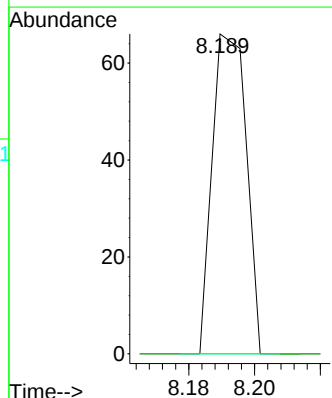
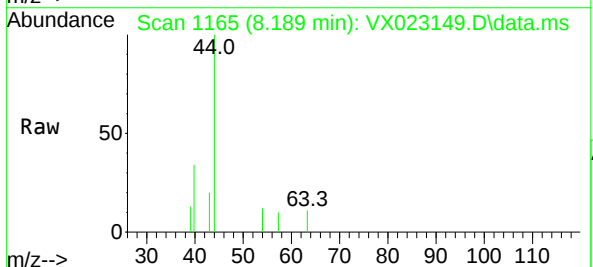
Instrument :
MSVOA_X
ClientSampled :

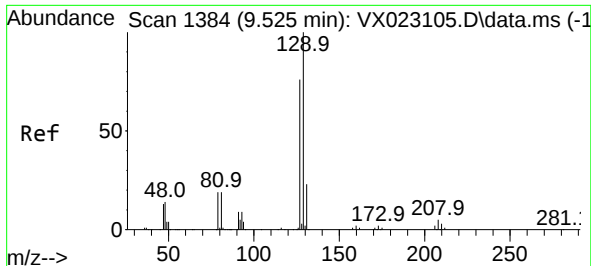
Tgt Ion: 43 Resp: 2851
Ion Ratio Lower Upper
43 100
58 157.3 35.4 53.0#



#58
2-Chloroethyl Vinyl ether
Concen: 4.707 ug/l
RT: 8.189 min Scan# 1165
Delta R.T. -0.061 min
Lab File: VX023149.D
Acq: 06 Jul 2021 16:29

Tgt Ion: 63 Resp: 47
Ion Ratio Lower Upper
63 100
106 0.0 23.5 35.3#

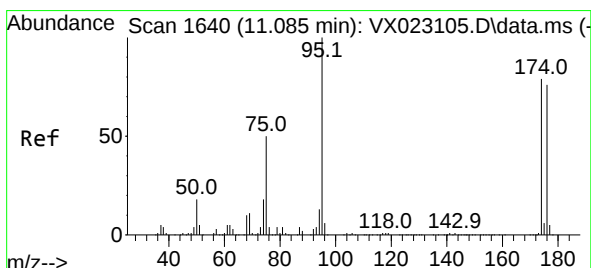
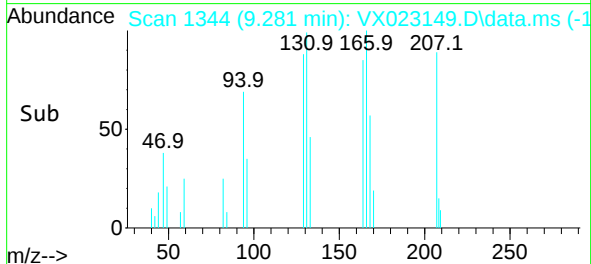
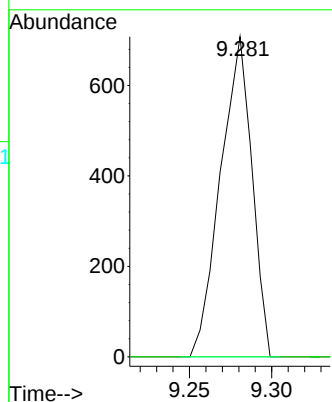
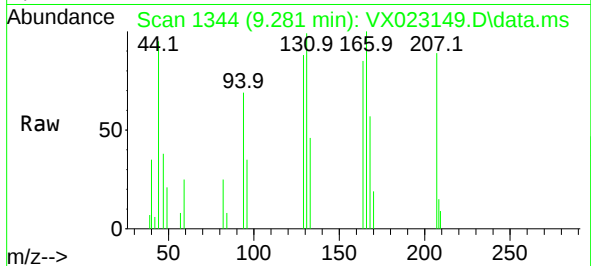




#60
Dibromochloromethane
Concen: 3.366 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX023149.D
Acq: 06 Jul 2021 16:29

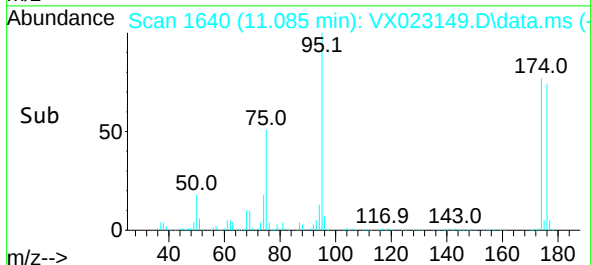
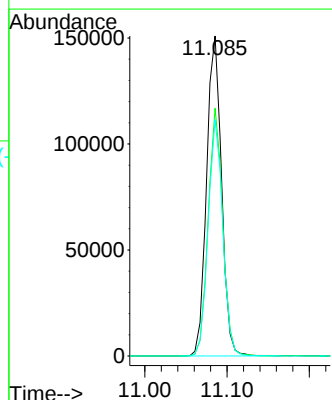
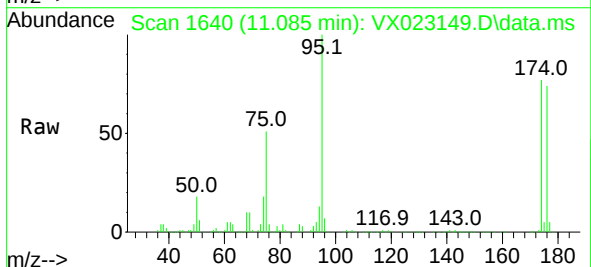
Instrument :
MSVOA_X
ClientSampleId :

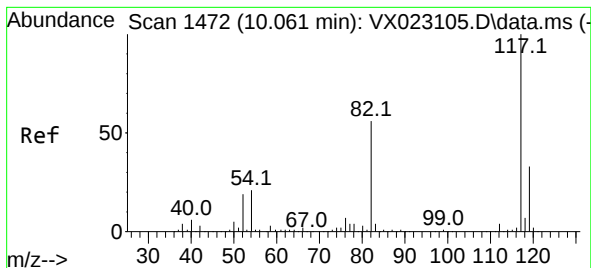
Tgt Ion:129 Resp: 940
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 46.158 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023149.D
Acq: 06 Jul 2021 16:29

Tgt Ion: 95 Resp: 190389
Ion Ratio Lower Upper
95 100
174 75.4 0.0 154.6
176 72.3 0.0 155.8

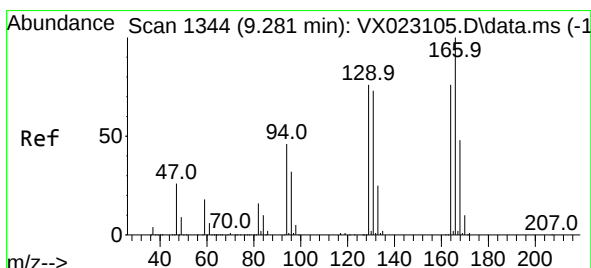
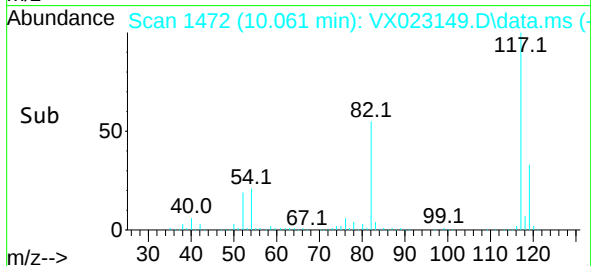
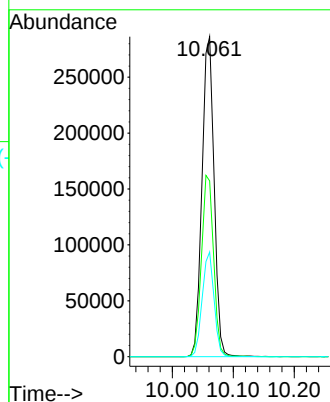
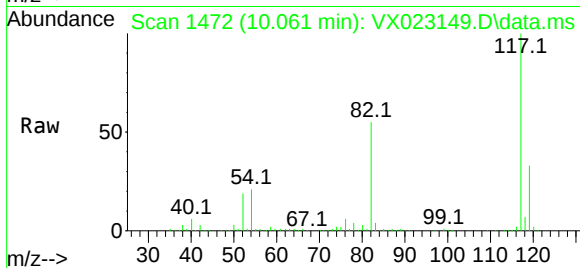




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX023149.D
Acq: 06 Jul 2021 16:29

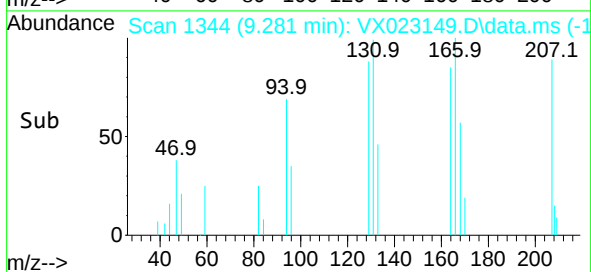
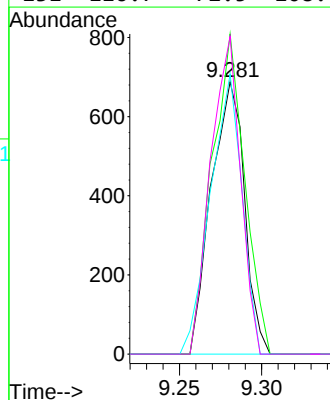
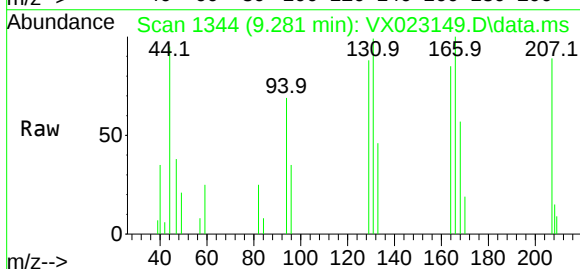
Instrument :
MSVOA_X
ClientSampled :

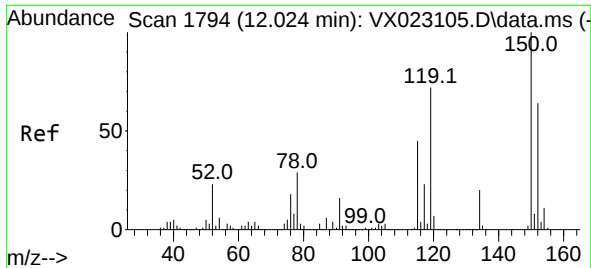
Tgt Ion:117 Resp: 395144
Ion Ratio Lower Upper
117 100
82 55.0 47.4 71.2
119 32.7 26.6 39.8



#64
Tetrachloroethene
Concen: 0.306 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.000 min
Lab File: VX023149.D
Acq: 06 Jul 2021 16:29

Tgt Ion:164 Resp: 964
Ion Ratio Lower Upper
164 100
166 117.6 103.4 155.2
129 102.9 70.8 106.2
131 116.7 72.5 108.7#

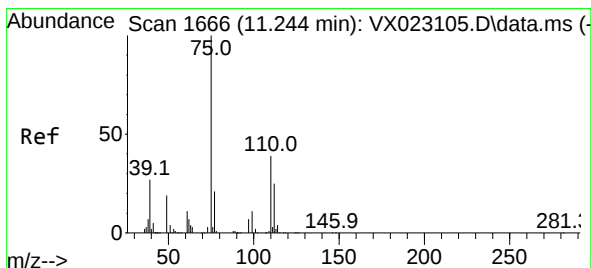
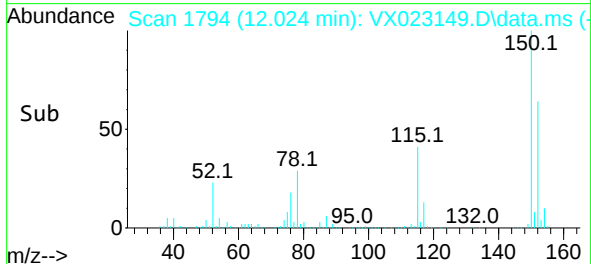
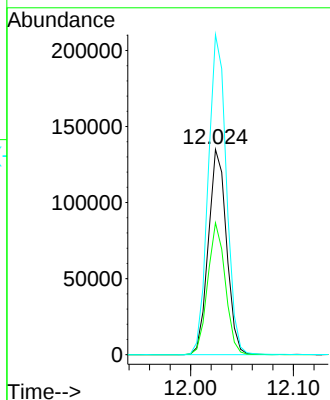
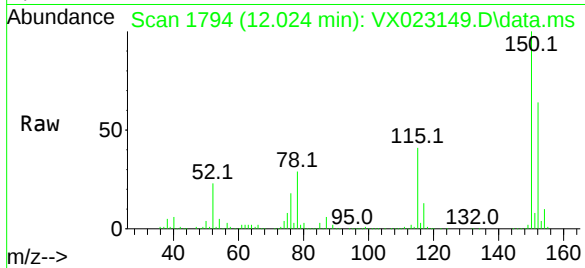




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023149.D
 Acq: 06 Jul 2021 16:29

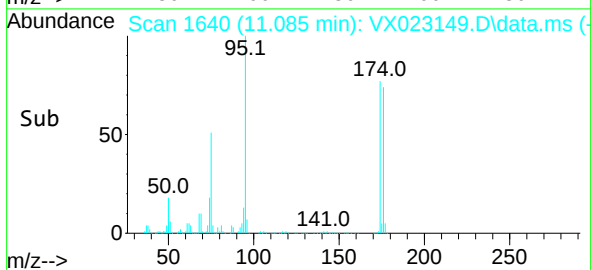
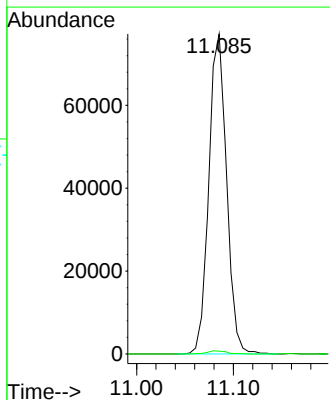
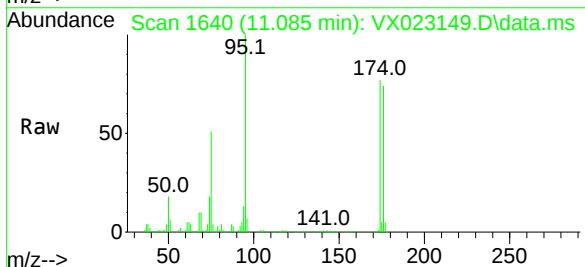
Instrument :
 MSVOA_X
 ClientSampled :

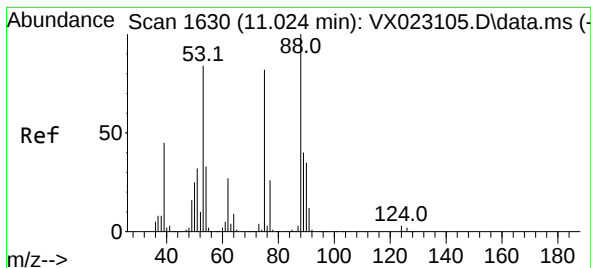
Tgt Ion:152 Resp: 165962
 Ion Ratio Lower Upper
 152 100
 115 62.2 41.1 123.3
 150 156.3 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 29.533 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023149.D
 Acq: 06 Jul 2021 16:29

Tgt Ion: 75 Resp: 98631
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#

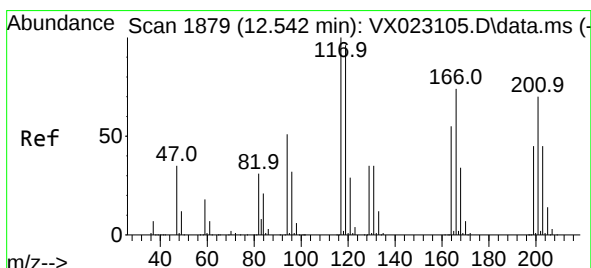
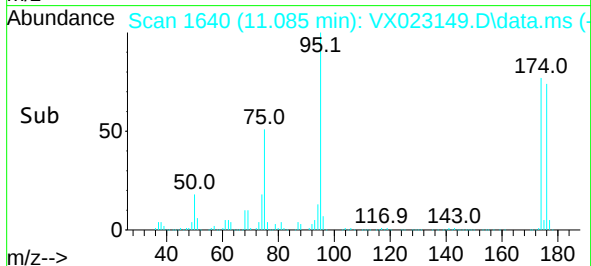
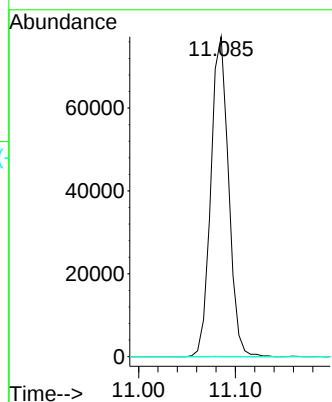
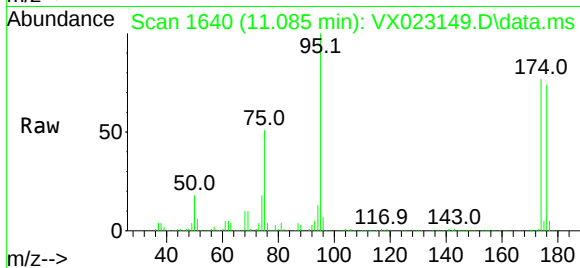




#81
trans-1,4-Dichloro-2-butene
Concen: 79.370 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023149.D
Acq: 06 Jul 2021 16:29

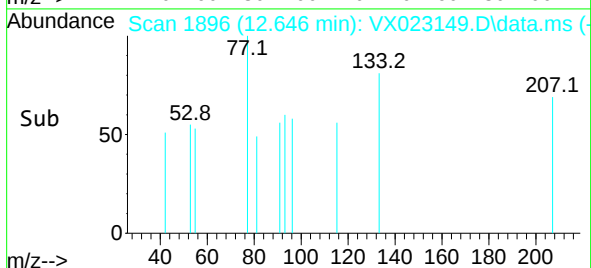
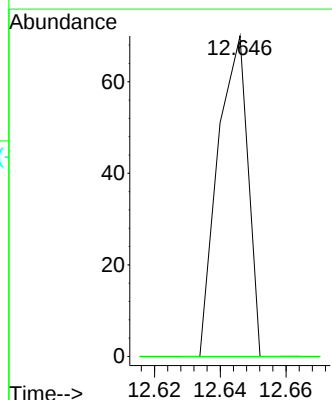
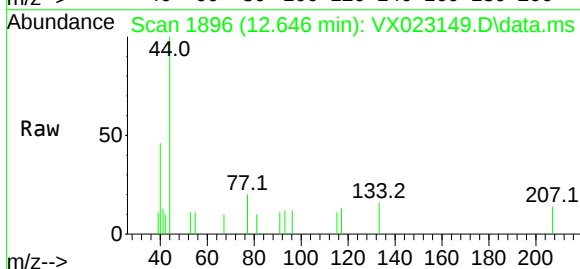
Instrument :
MSVOA_X
ClientSampleId :

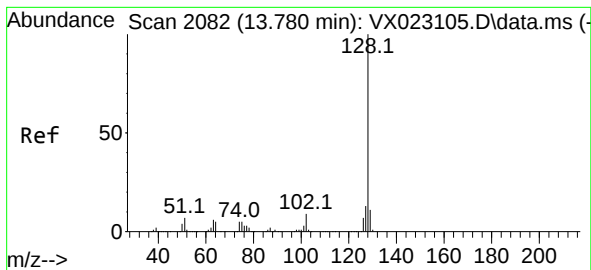
Tgt Ion: 75 Resp: 98631
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#90
Hexachloroethane
Concen: 3.019 ug/l
RT: 12.646 min Scan# 1896
Delta R.T. 0.104 min
Lab File: VX023149.D
Acq: 06 Jul 2021 16:29

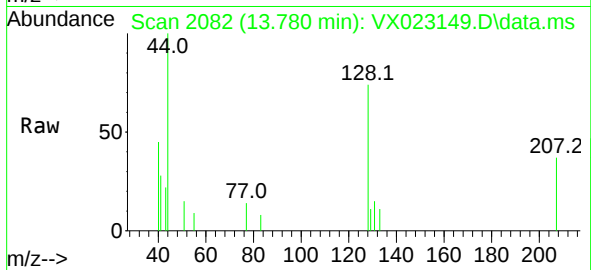
Tgt Ion: 117 Resp: 44
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#





#95
Naphthalene
Concen: 1.315 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023149.D
Acq: 06 Jul 2021 16:29

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 505
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 17.6 8.8 13.2#

