

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071221\
 Data File : VX023249.D
 Acq On : 12 Jul 2021 18:09
 Operator : JC/MD
 Sample : M3015-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 13 01:30:12 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)

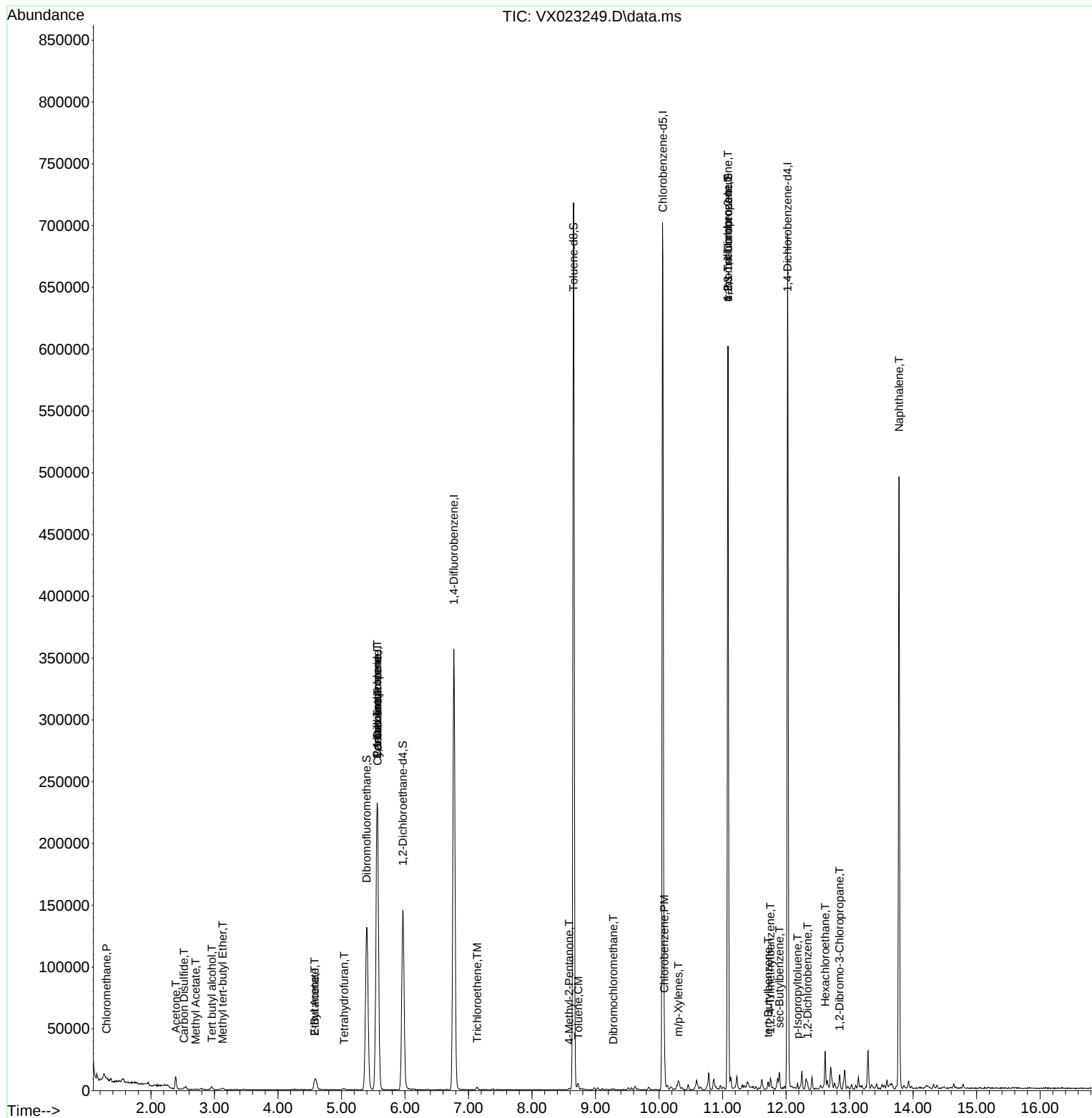
Internal Standards						
1) Pentafluorobenzene	5.562	168	220040	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	360252	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	326823	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	142971	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	147351	49.826	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.660%
35) Dibromofluoromethane	5.397	113	113712	48.880	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.760%
50) Toluene-d8	8.653	98	422726	48.713	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.420%
62) 4-Bromofluorobenzene	11.085	95	158372	47.273	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.540%
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	474	0.240	ug/l	91
5) Bromomethane	1.617	94	734	Below Cal	#	57
11) Tert butyl alcohol	2.958	59	1708	2.745	ug/l #	73
16) Acetone	2.392	43	10227	8.741	ug/l	92
17) Carbon Disulfide	2.520	76	1462	0.353	ug/l #	89
18) Methyl Acetate	2.702	43	697	0.245	ug/l #	55
19) Methyl tert-butyl Ether	3.129	73	1523	0.208	ug/l #	91
25) 2-Butanone	4.574	43	5681	3.220	ug/l #	88
29) Tetrahydrofuran	5.043	42	603	0.532	ug/l	93
31) Cyclohexane	5.568	56	4544	1.283	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	17176	5.348	ug/l #	51
37) Ethyl Acetate	4.574	43	5681	1.622	ug/l #	71
38) Carbon Tetrachloride	5.562	117	23379	6.974	ug/l #	15
44) Trichloroethene	7.135	130	763	0.288	ug/l	94
51) 4-Methyl-2-Pentanone	8.586	43	825	0.228	ug/l #	67
52) Toluene	8.726	92	1774	0.294	ug/l	97
60) Dibromochloromethane	9.281	129	23	3.120	ug/l #	11
65) Chlorobenzene	10.085	112	14105	2.183	ug/l	91
68) m/p-Xylenes	10.305	106	998	0.229	ug/l	80
76) 1,2,3-Trichloropropane	11.085	75	80081	27.834	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	80081	75.080	ug/l #	12
83) tert-Butylbenzene	11.719	119	2320	0.282	ug/l	77
84) 1,2,4-Trimethylbenzene	11.756	105	3601	0.420	ug/l	89
85) sec-Butylbenzene	11.896	105	7169	0.677	ug/l	94
86) p-Isopropyltoluene	12.182	119	1992	0.224	ug/l	91
90) Hexachloroethane	12.615	117	1277	3.785	ug/l #	9
91) 1,2-Dichlorobenzene	12.341	146	966	0.206	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.841	75	28	2.604	ug/l #	1
95) Naphthalene	13.780	128	302646	28.907	ug/l	100

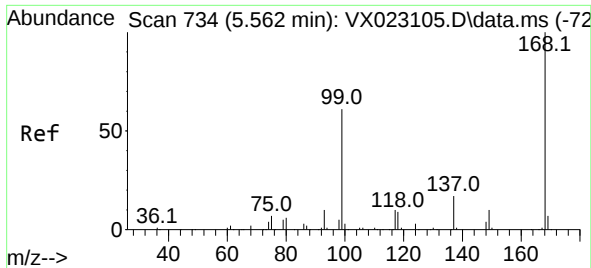
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Jul 13 01:30:12 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
Quant Title : SW846 8260
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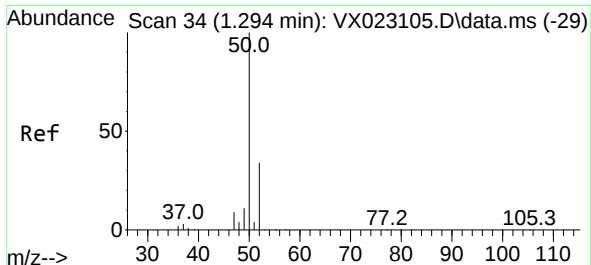
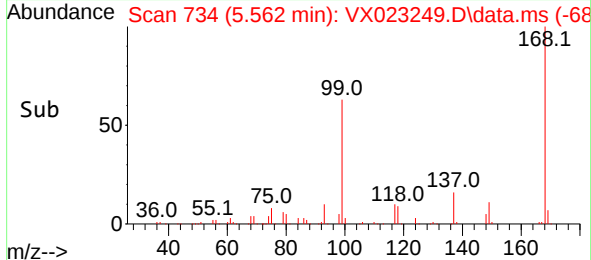
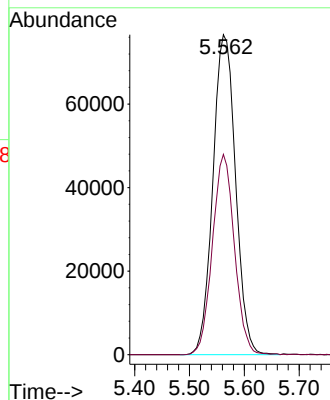
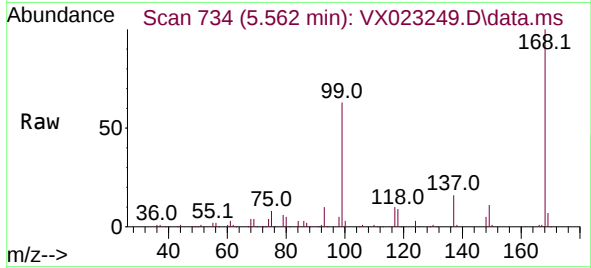




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023249.D
Acq: 12 Jul 2021 18:09

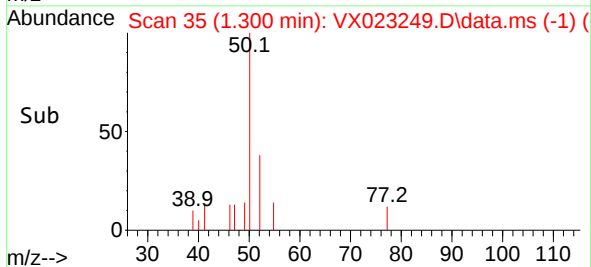
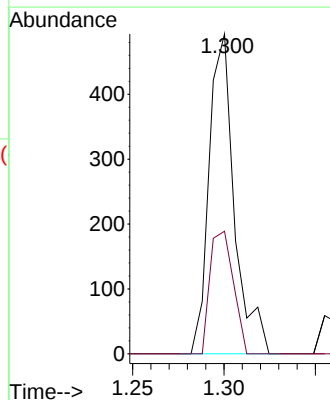
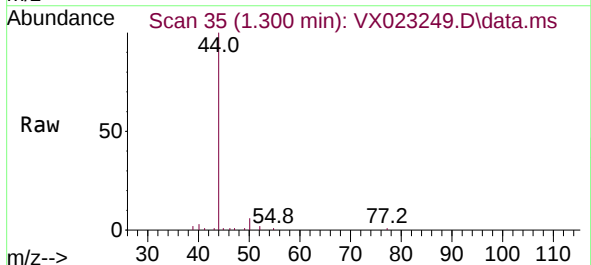
Instrument :
MSVOA_X
ClientSampled :

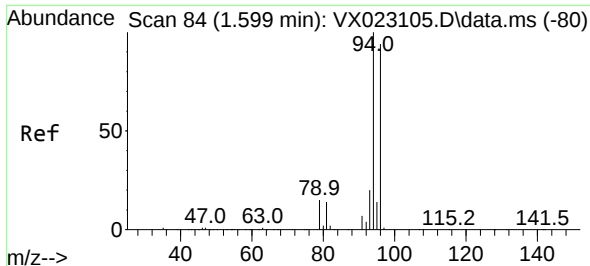
Tgt Ion:168 Resp: 220040
Ion Ratio Lower Upper
168 100
99 62.6 45.8 68.6



#3
Chloromethane
Concen: 0.240 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX023249.D
Acq: 12 Jul 2021 18:09

Tgt Ion: 50 Resp: 474
Ion Ratio Lower Upper
50 100
52 38.3 26.4 39.6

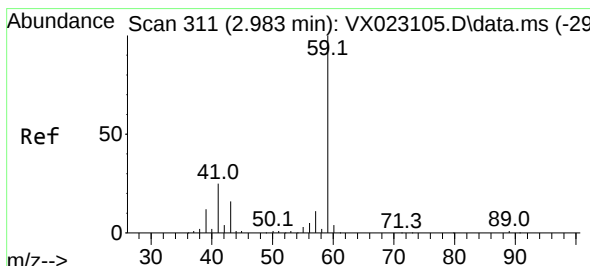
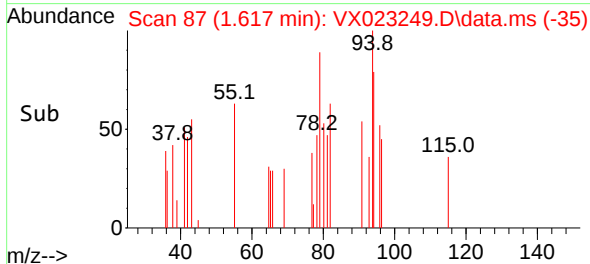
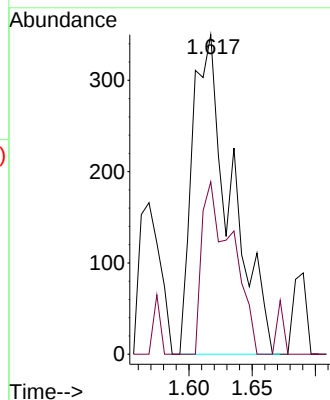
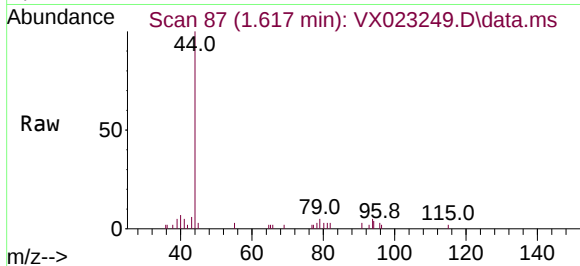




#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX023249.D
Acq: 12 Jul 2021 18:09

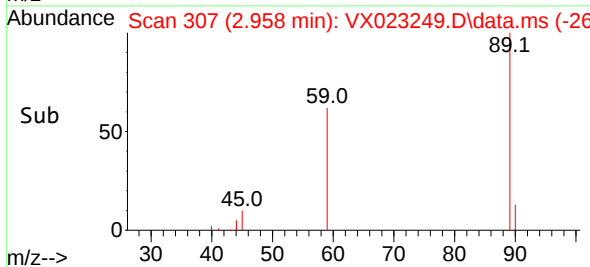
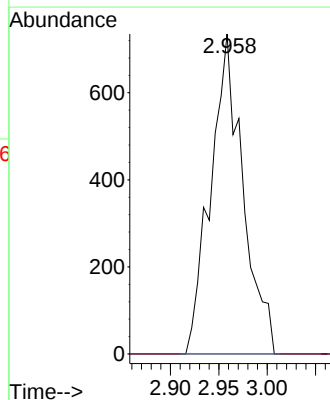
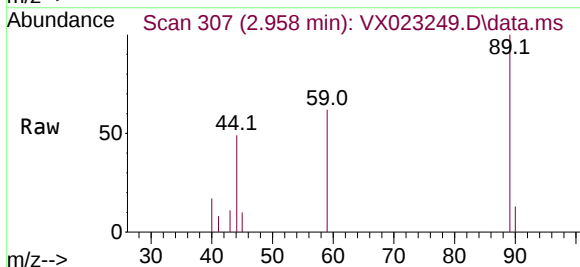
Instrument :
MSVOA_X
ClientSampled :

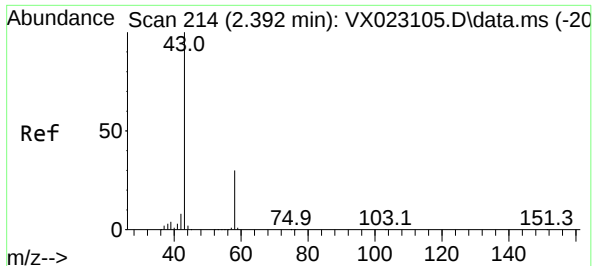
Tgt Ion: 94 Resp: 734
Ion Ratio Lower Upper
94 100
96 54.0 76.4 114.6#



#11
Tert butyl alcohol
Concen: 2.745 ug/l
RT: 2.958 min Scan# 307
Delta R.T. -0.025 min
Lab File: VX023249.D
Acq: 12 Jul 2021 18:09

Tgt Ion: 59 Resp: 1708
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

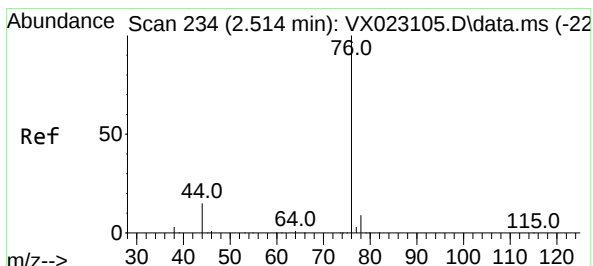
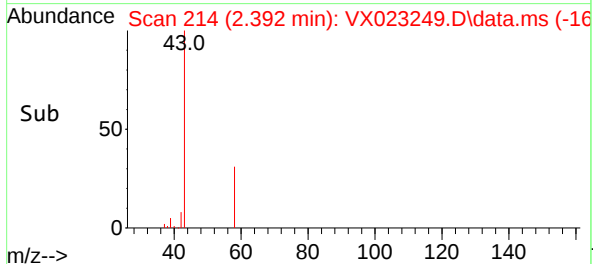
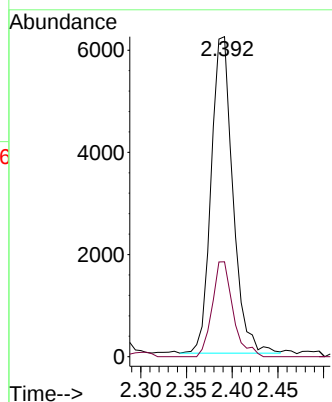
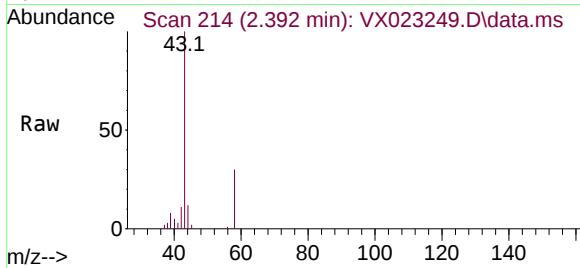




#16
Acetone
Concen: 8.741 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023249.D
Acq: 12 Jul 2021 18:09

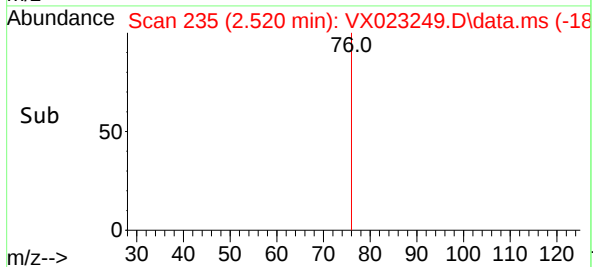
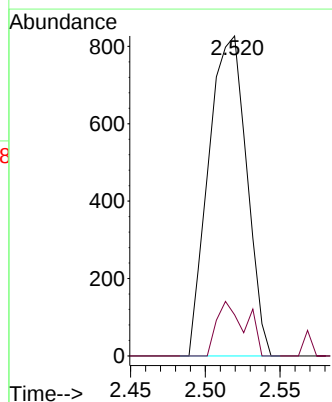
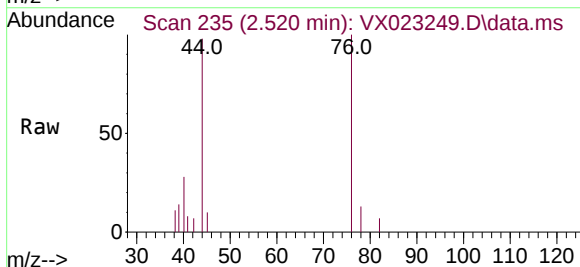
Instrument :
MSVOA_X
ClientSampled :

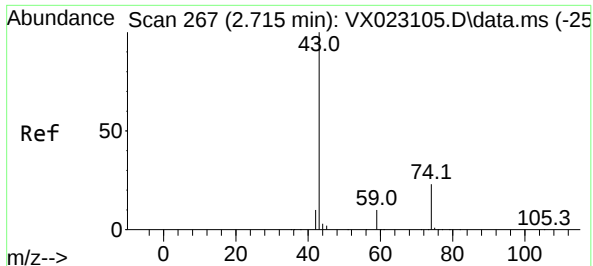
Tgt Ion: 43 Resp: 10227
Ion Ratio Lower Upper
43 100
58 30.0 27.8 41.8



#17
Carbon Disulfide
Concen: 0.353 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX023249.D
Acq: 12 Jul 2021 18:09

Tgt Ion: 76 Resp: 1462
Ion Ratio Lower Upper
76 100
78 12.8 7.2 10.8#





#18

Methyl Acetate

Concen: 0.245 ug/l

RT: 2.702 min Scan# 265

Delta R.T. -0.013 min

Lab File: VX023249.D

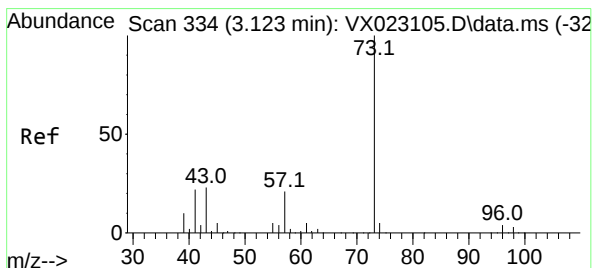
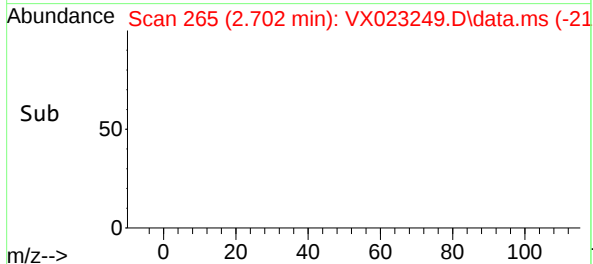
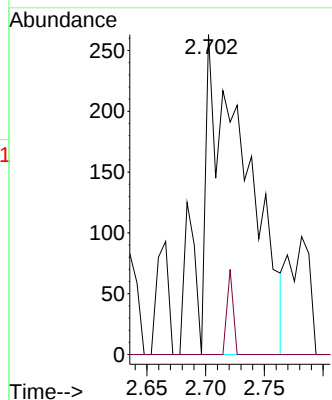
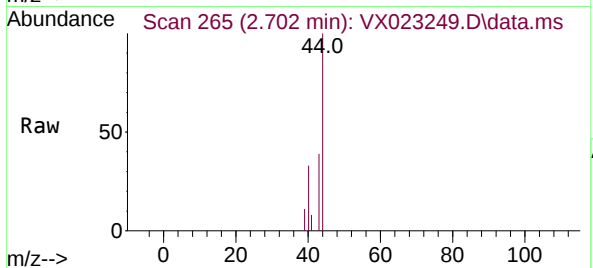
Acq: 12 Jul 2021 18:09

Tgt Ion: 43 Resp: 697

Ion Ratio Lower Upper

43 100

74 3.7 21.9 32.9#



#19

Methyl tert-butyl Ether

Concen: 0.208 ug/l

RT: 3.129 min Scan# 335

Delta R.T. 0.006 min

Lab File: VX023249.D

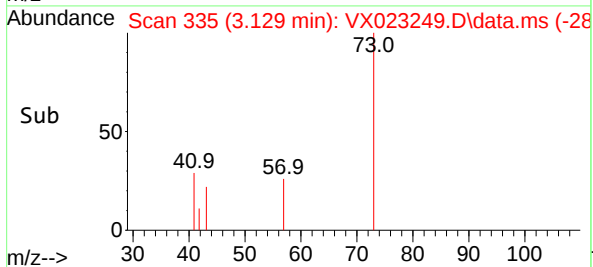
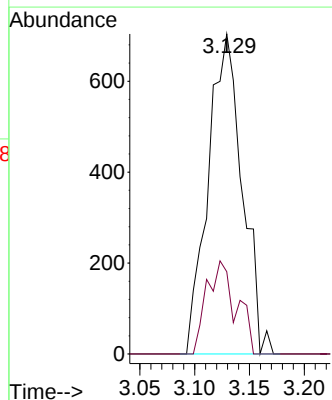
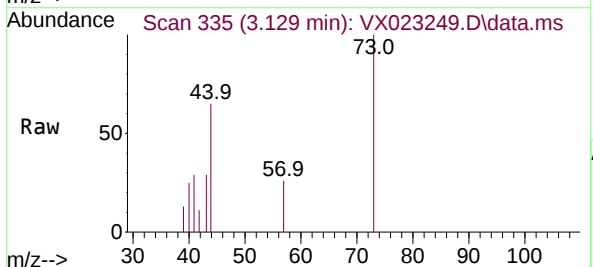
Acq: 12 Jul 2021 18:09

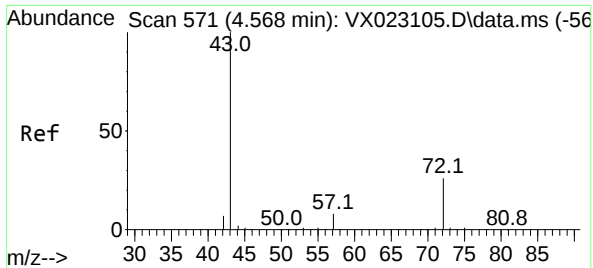
Tgt Ion: 73 Resp: 1523

Ion Ratio Lower Upper

73 100

57 25.7 17.1 25.7#

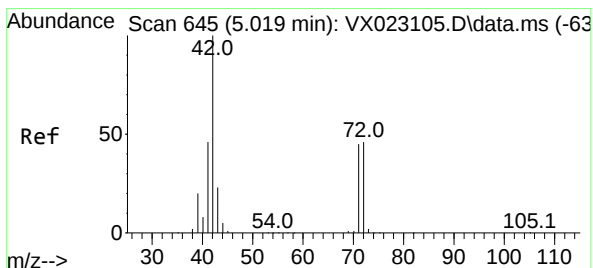
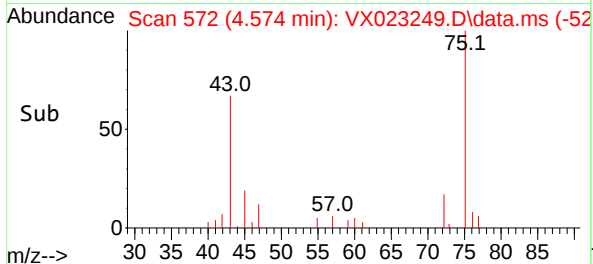
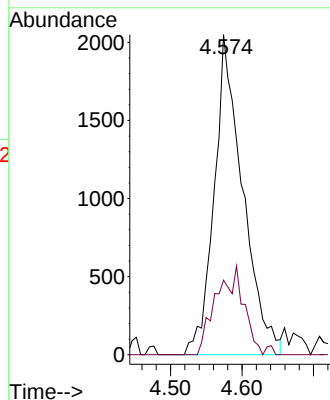
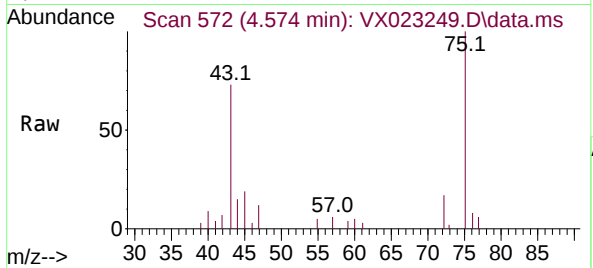




#25
2-Butanone
Concen: 3.220 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX023249.D
Acq: 12 Jul 2021 18:09

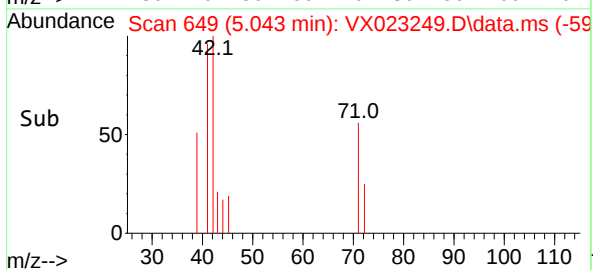
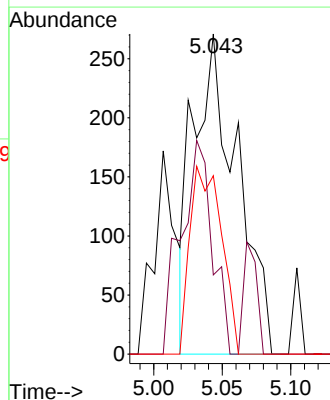
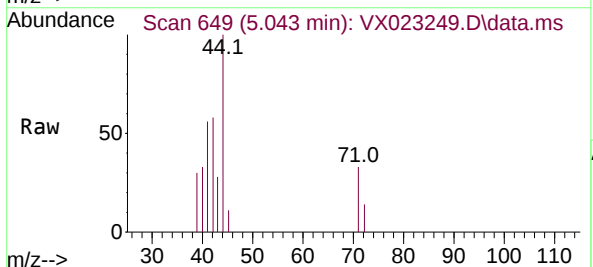
Instrument :
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ClientSampleId :

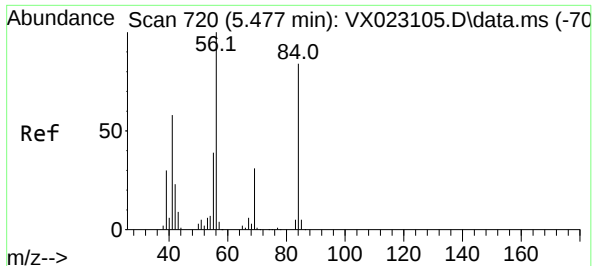
Tgt Ion: 43 Resp: 5681
Ion Ratio Lower Upper
43 100
72 23.3 23.7 35.5#



#29
Tetrahydrofuran
Concen: 0.532 ug/l
RT: 5.043 min Scan# 649
Delta R.T. 0.024 min
Lab File: VX023249.D
Acq: 12 Jul 2021 18:09

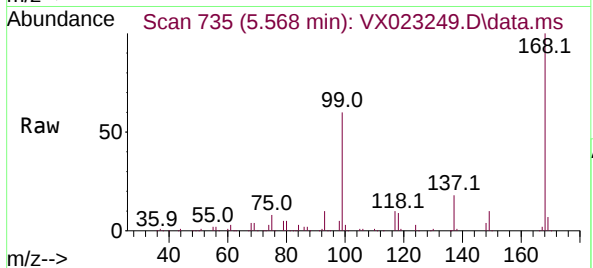
Tgt Ion: 42 Resp: 603
Ion Ratio Lower Upper
42 100
72 47.9 41.7 62.5
71 42.3 38.4 57.6



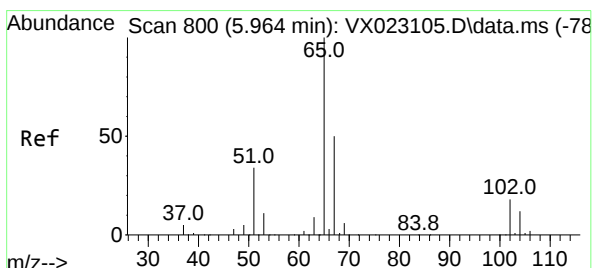
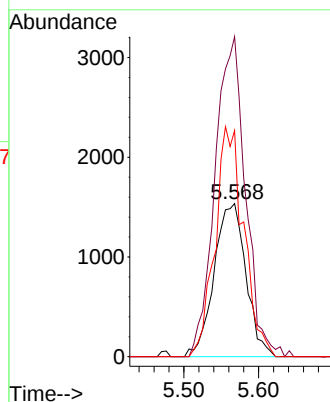
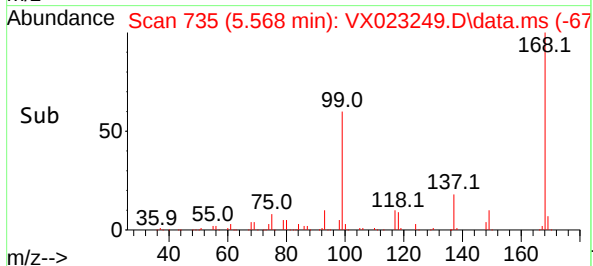


#31
Cyclohexane
Concen: 1.283 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.091 min
Lab File: VX023249.D
Acq: 12 Jul 2021 18:09

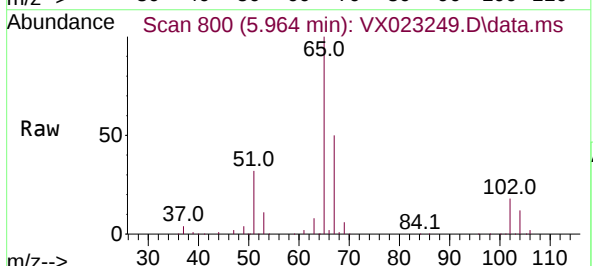
Instrument :
MSVOA_X
ClientSampled :



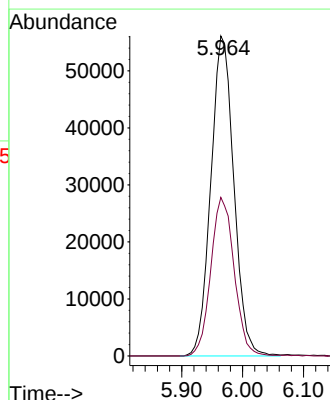
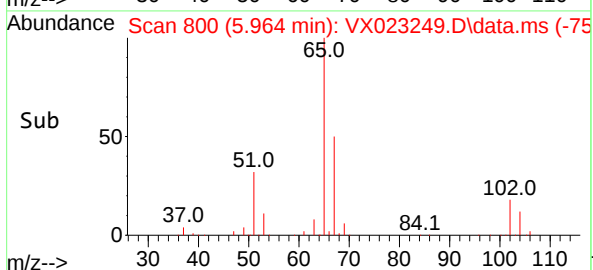
Tgt Ion: 56 Resp: 4544
Ion Ratio Lower Upper
56 100
69 208.9 25.3 37.9#
84 147.7 71.4 107.0#

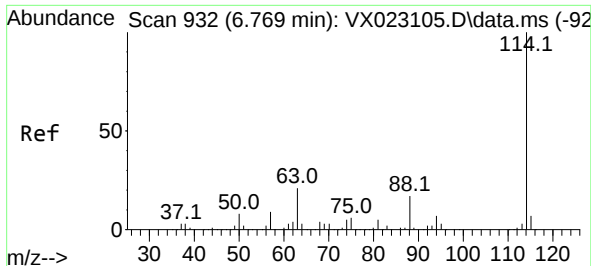


#33
1,2-Dichloroethane-d4
Concen: 49.826 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023249.D
Acq: 12 Jul 2021 18:09



Tgt Ion: 65 Resp: 147351
Ion Ratio Lower Upper
65 100
67 50.4 0.0 105.4

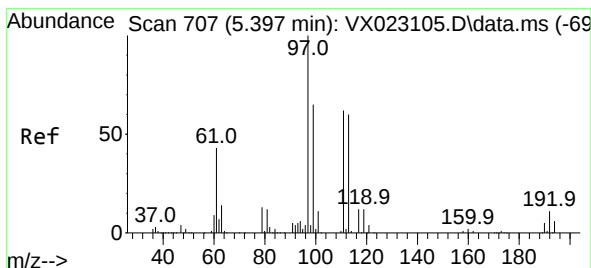
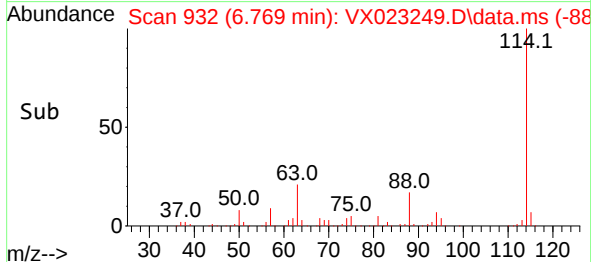
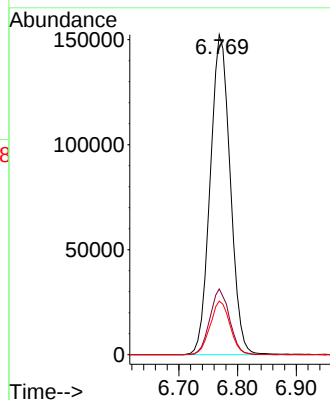
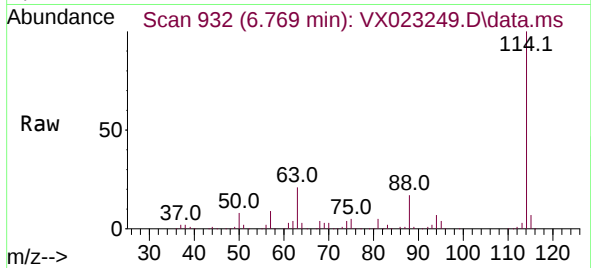




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023249.D
Acq: 12 Jul 2021 18:09

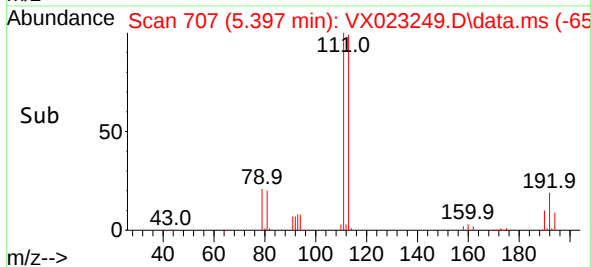
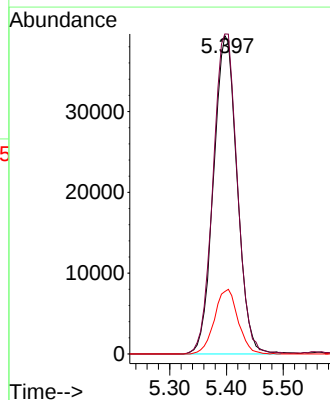
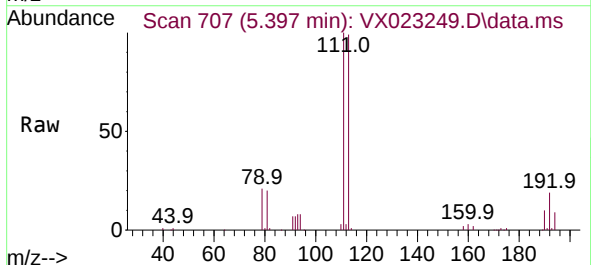
Instrument :
MSVOA_X
ClientSampleId :

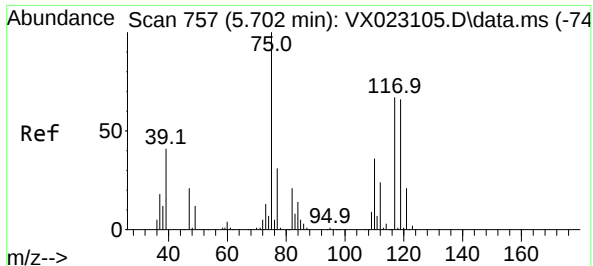
Tgt Ion:114 Resp: 360252
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.8
88 16.8 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.880 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023249.D
Acq: 12 Jul 2021 18:09

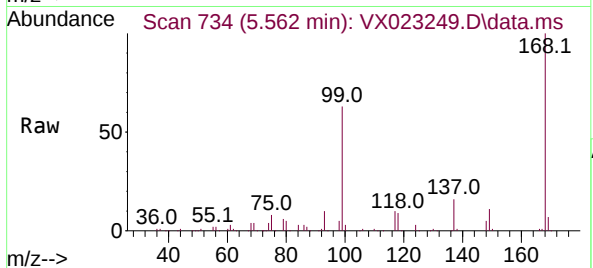
Tgt Ion:113 Resp: 113712
Ion Ratio Lower Upper
113 100
111 103.3 81.9 122.9
192 20.3 16.7 25.1



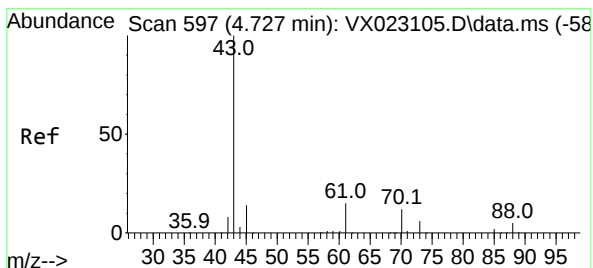
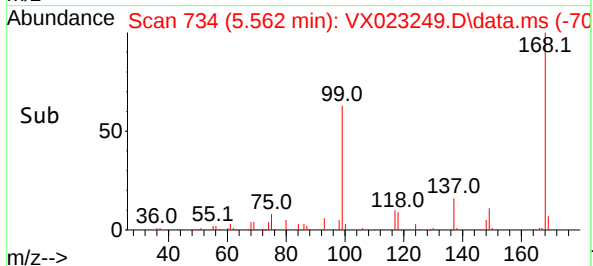
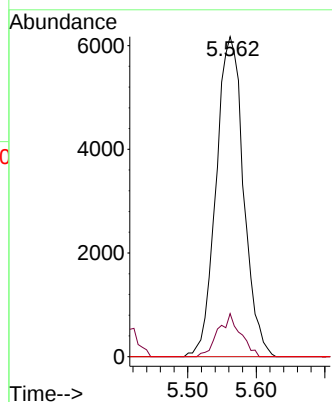


#36
1,1-Dichloropropene
Concen: 5.348 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023249.D
Acq: 12 Jul 2021 18:09

Instrument :
MSVOA_X
ClientSampled :

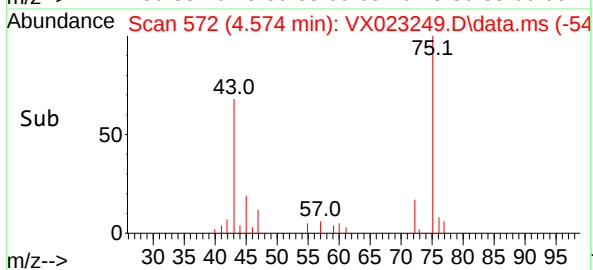
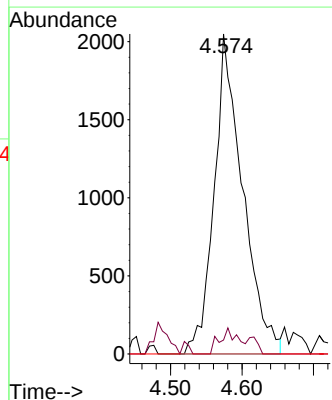
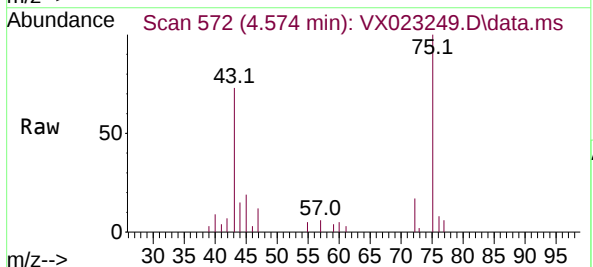


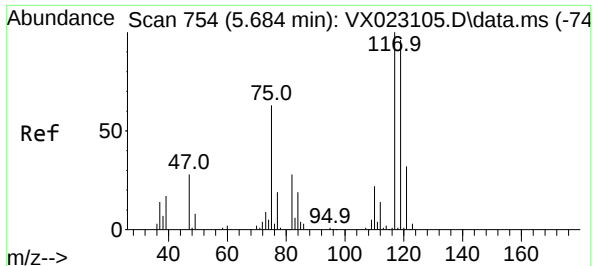
Tgt Ion: 75 Resp: 17176
Ion Ratio Lower Upper
75 100
110 11.0 18.1 54.4#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 1.622 ug/l
RT: 4.574 min Scan# 572
Delta R.T. -0.153 min
Lab File: VX023249.D
Acq: 12 Jul 2021 18:09

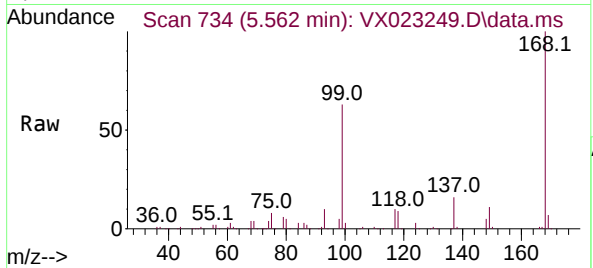
Tgt Ion: 43 Resp: 5681
Ion Ratio Lower Upper
43 100
61 5.2 12.8 19.2#
70 0.0 10.5 15.7#



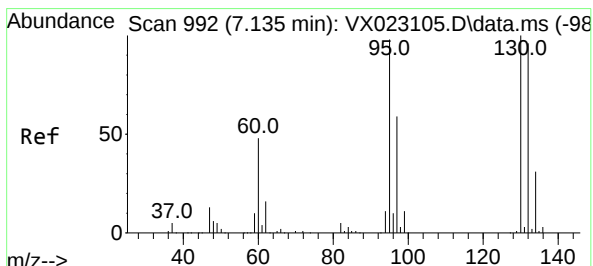
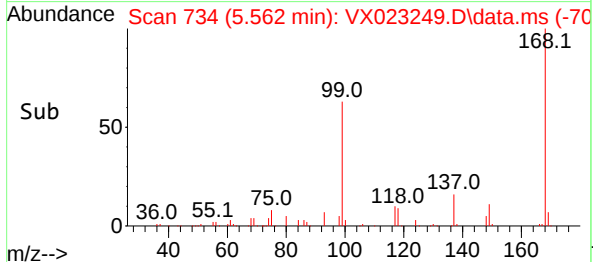
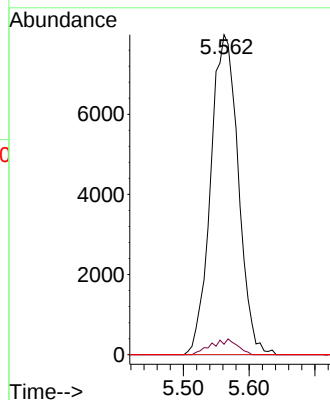


#38
Carbon Tetrachloride
Concen: 6.974 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023249.D
Acq: 12 Jul 2021 18:09

Instrument :
MSVOA_X
ClientSampleId :

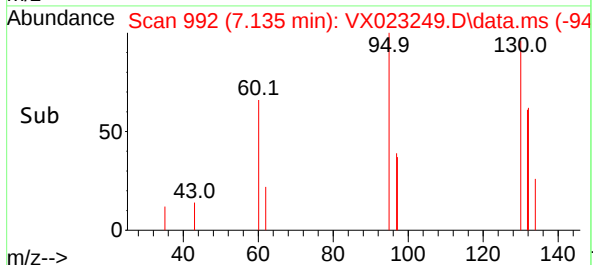
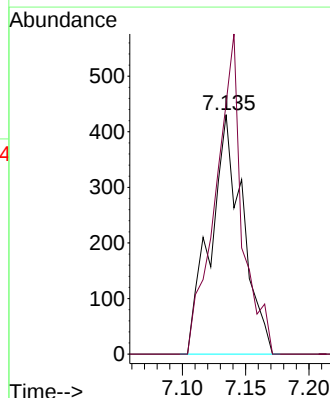
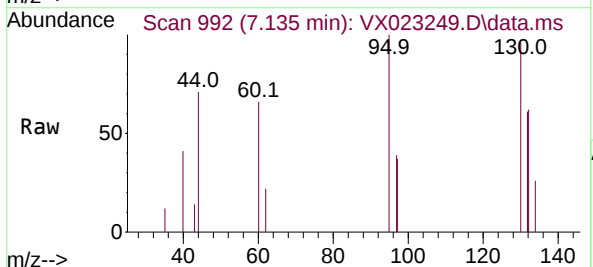


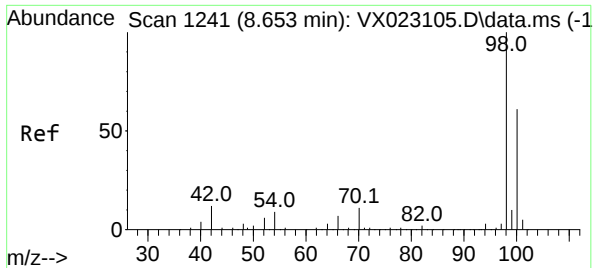
Tgt Ion:117 Resp: 23379
Ion Ratio Lower Upper
117 100
119 3.3 76.2 114.2#
121 0.0 24.8 37.2#



#44
Trichloroethene
Concen: 0.288 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.000 min
Lab File: VX023249.D
Acq: 12 Jul 2021 18:09

Tgt Ion:130 Resp: 763
Ion Ratio Lower Upper
130 100
95 104.6 0.0 198.0

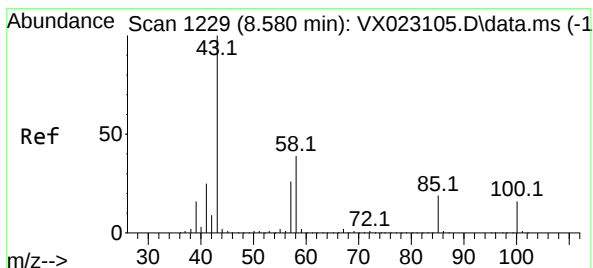
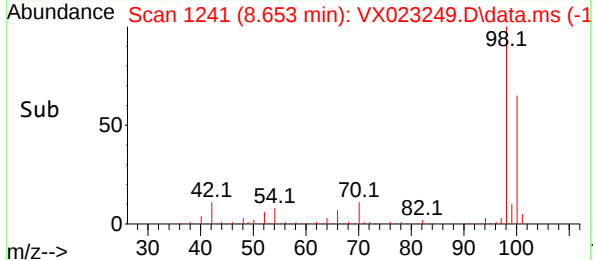
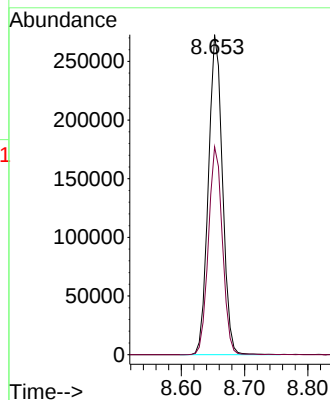
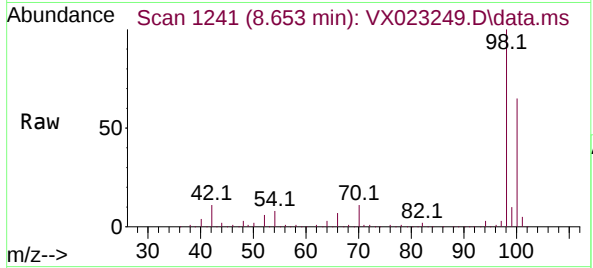




#50
Toluene-d8
Concen: 48.713 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023249.D
Acq: 12 Jul 2021 18:09

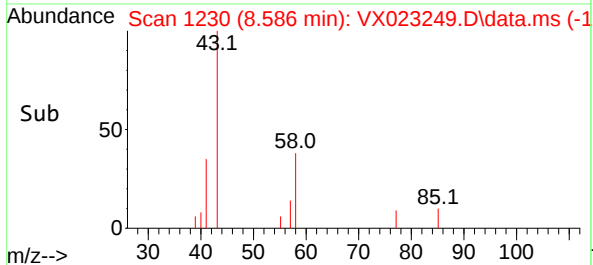
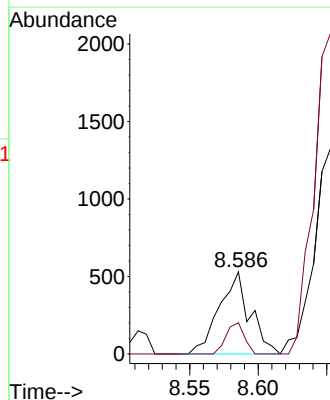
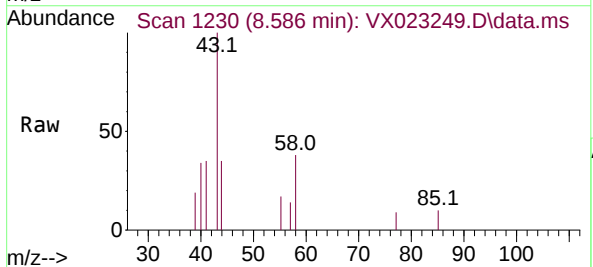
Instrument :
MSVOA_X
ClientSampled :

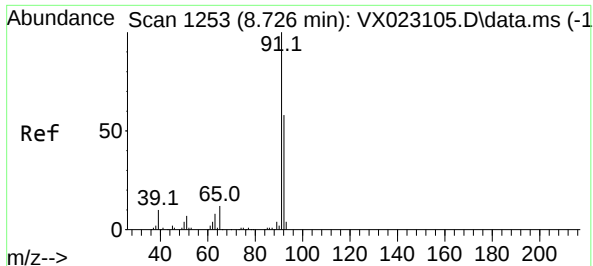
Tgt Ion: 98 Resp: 422726
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.228 ug/l
RT: 8.586 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VX023249.D
Acq: 12 Jul 2021 18:09

Tgt Ion: 43 Resp: 825
Ion Ratio Lower Upper
43 100
58 22.5 35.4 53.0#





#52

Toluene

Concen: 0.294 ug/l

RT: 8.726 min Scan# 1253

Delta R.T. -0.000 min

Lab File: VX023249.D

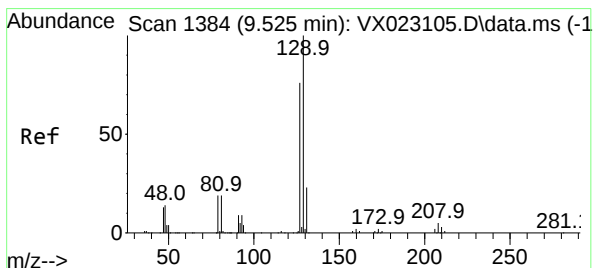
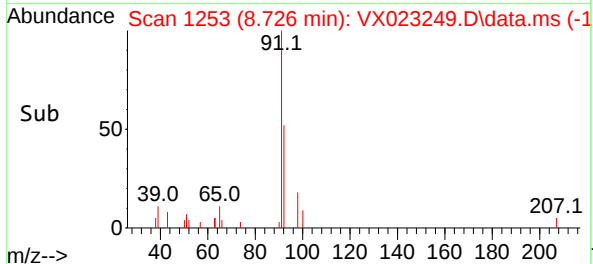
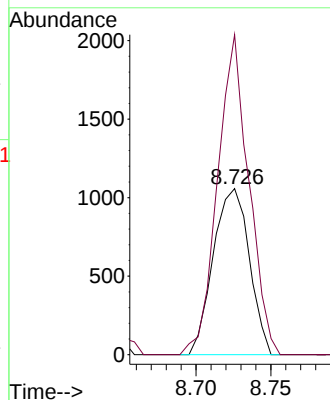
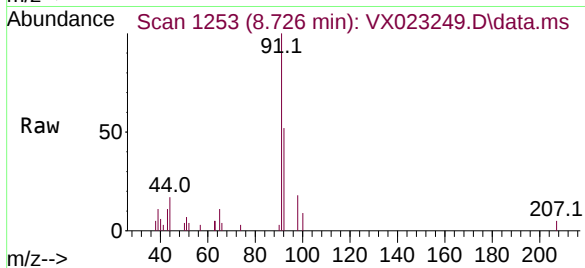
Acq: 12 Jul 2021 18:09

Tgt Ion: 92 Resp: 1774

Ion Ratio Lower Upper

92 100

91 167.0 137.1 205.7



#60

Dibromochloromethane

Concen: 3.120 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. -0.244 min

Lab File: VX023249.D

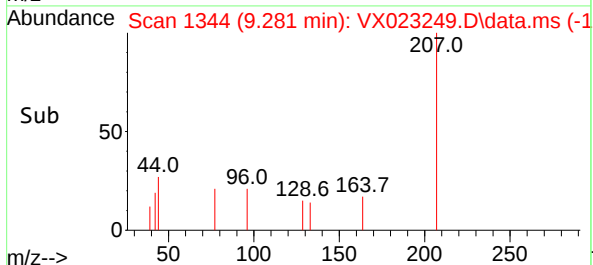
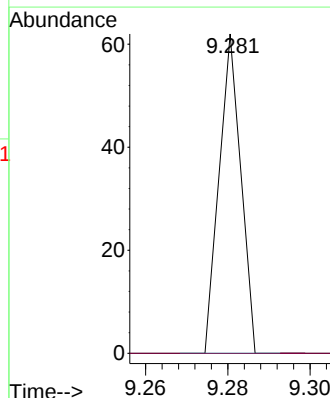
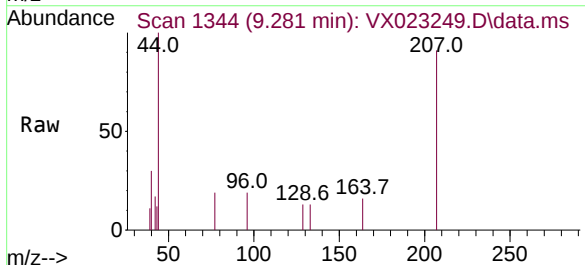
Acq: 12 Jul 2021 18:09

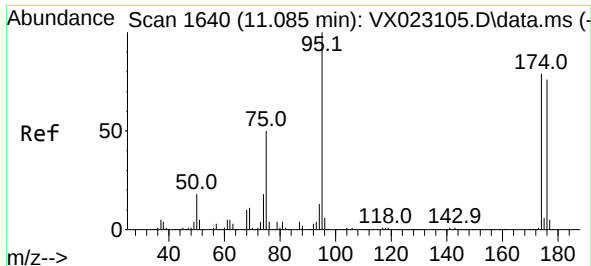
Tgt Ion: 129 Resp: 23

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#

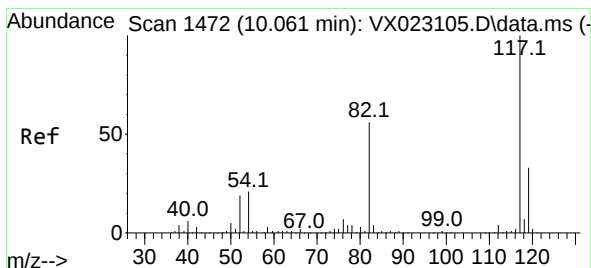
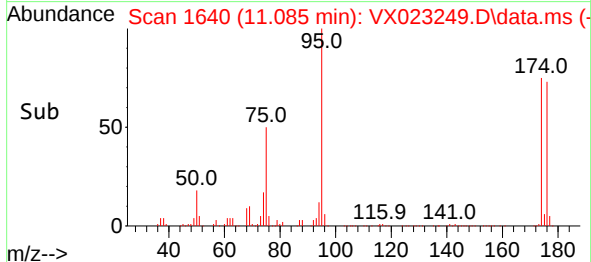
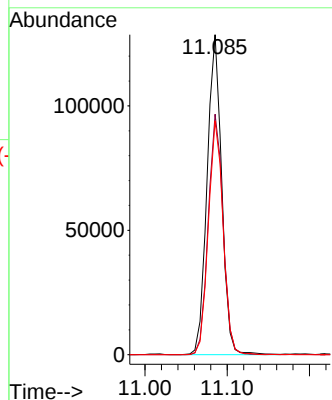
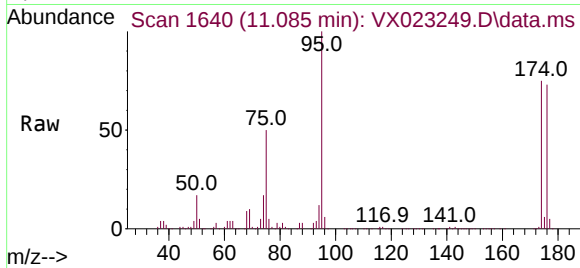




#62
4-Bromofluorobenzene
Concen: 47.273 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023249.D
Acq: 12 Jul 2021 18:09

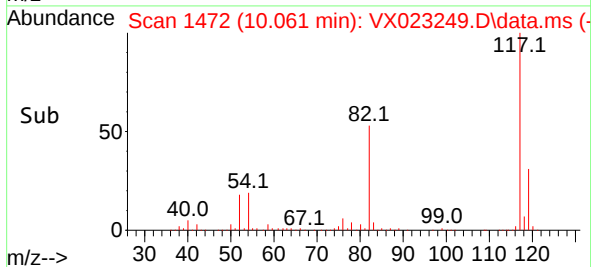
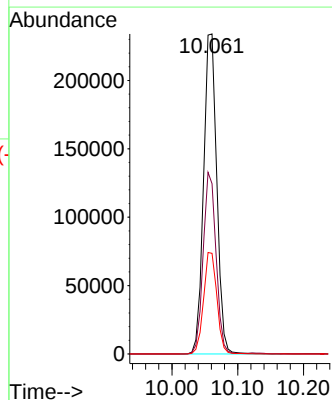
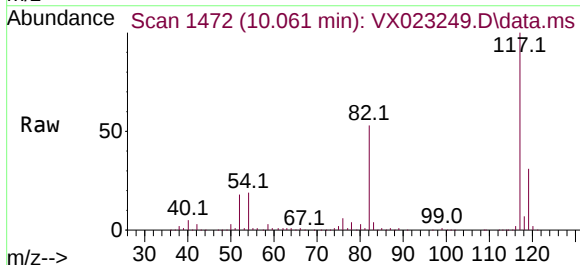
Instrument :
MSVOA_X
ClientSampleId :

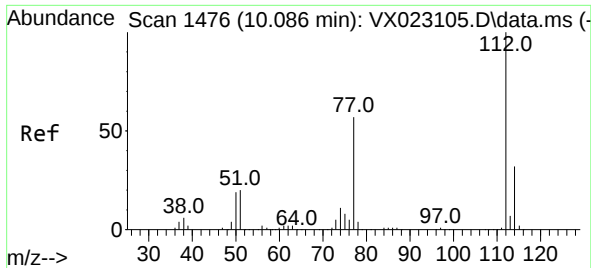
Tgt Ion: 95 Resp: 158372
Ion Ratio Lower Upper
95 100
174 76.5 0.0 154.6
176 73.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX023249.D
Acq: 12 Jul 2021 18:09

Tgt Ion: 117 Resp: 326823
Ion Ratio Lower Upper
117 100
82 53.2 47.4 71.2
119 31.4 26.6 39.8

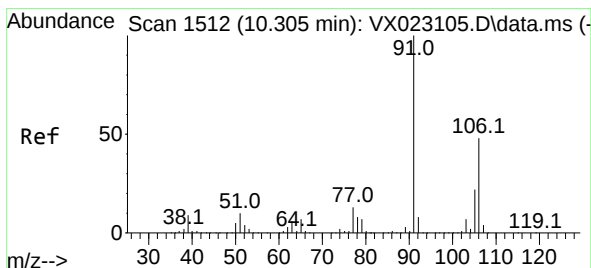
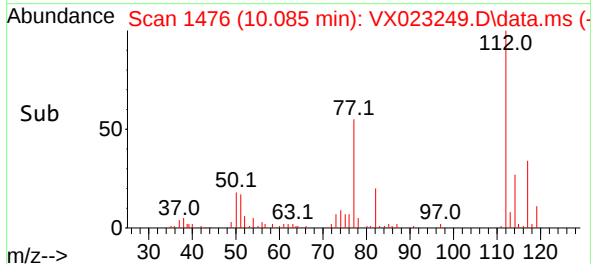
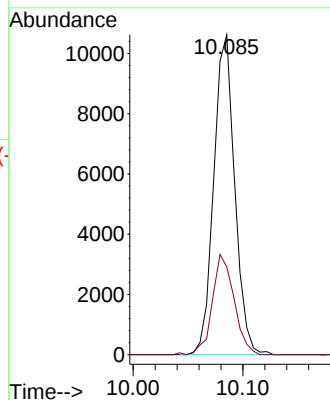
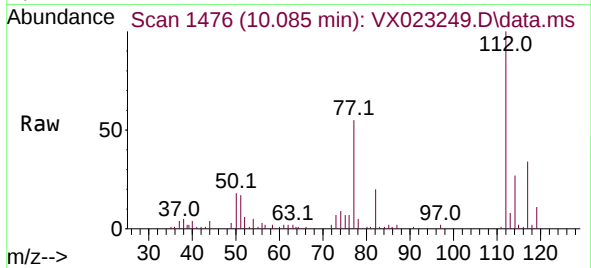




#65
Chlorobenzene
Concen: 2.183 ug/l
RT: 10.085 min Scan# 1476
Delta R.T. -0.001 min
Lab File: VX023249.D
Acq: 12 Jul 2021 18:09

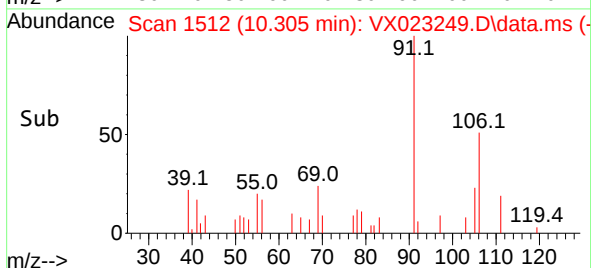
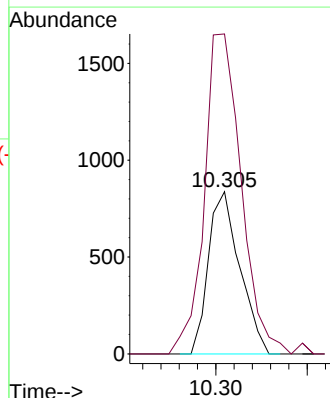
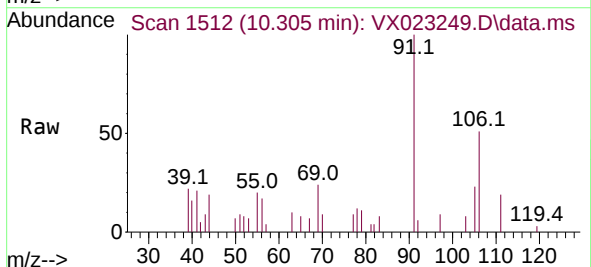
Instrument :
MSVOA_X
ClientSampleId :

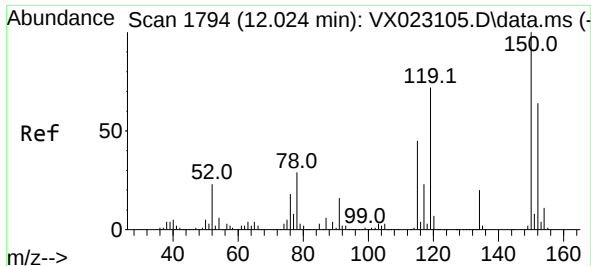
Tgt Ion:112 Resp: 14105
Ion Ratio Lower Upper
112 100
114 27.4 25.8 38.6



#68
m/p-Xylenes
Concen: 0.229 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX023249.D
Acq: 12 Jul 2021 18:09

Tgt Ion:106 Resp: 998
Ion Ratio Lower Upper
106 100
91 233.8 162.8 244.2

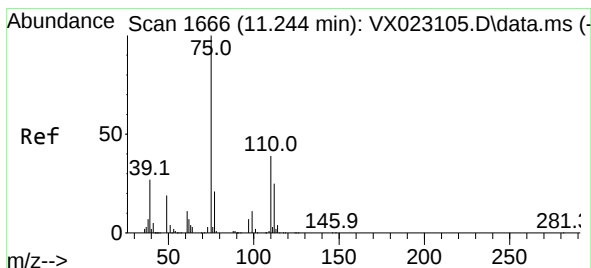
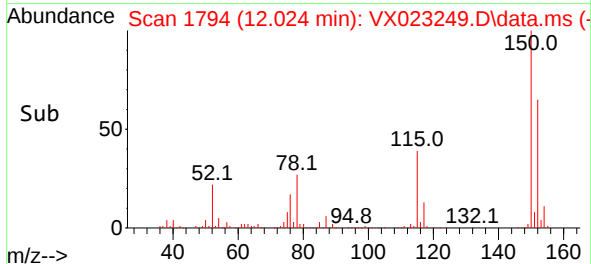
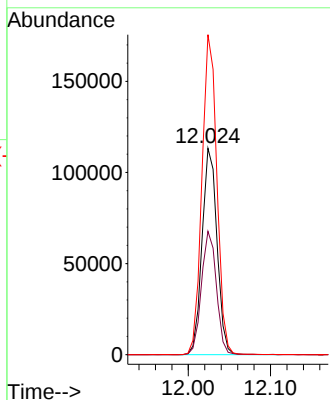
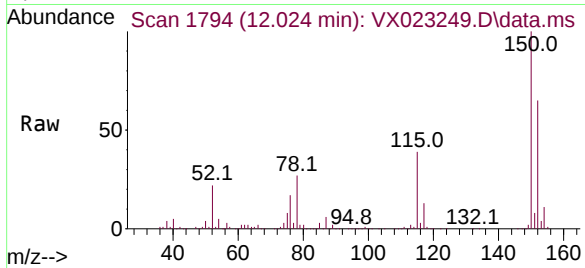




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX023249.D
Acq: 12 Jul 2021 18:09

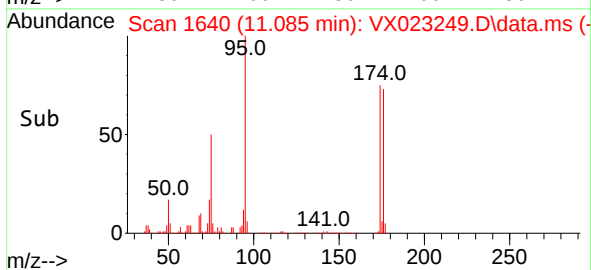
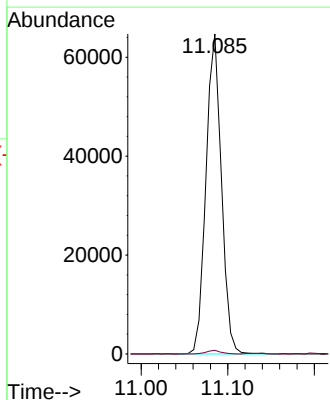
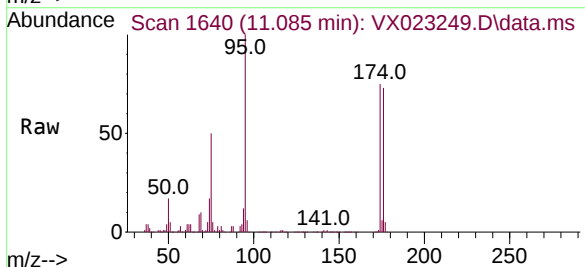
Instrument :
MSVOA_X
ClientSampled :

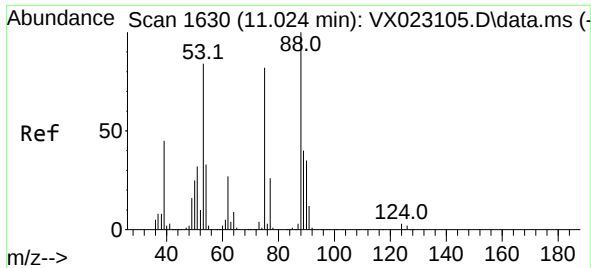
Tgt Ion:152 Resp: 142971
Ion Ratio Lower Upper
152 100
115 59.8 41.1 123.3
150 154.9 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 27.834 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023249.D
Acq: 12 Jul 2021 18:09

Tgt Ion: 75 Resp: 80081
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#

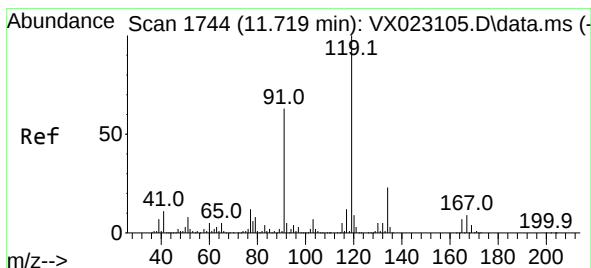
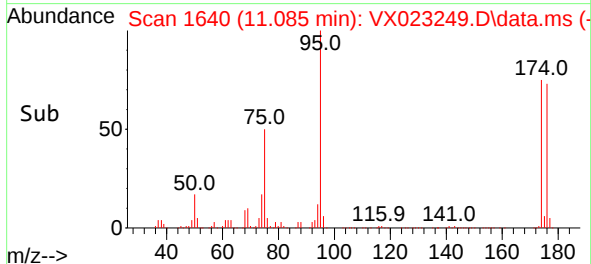
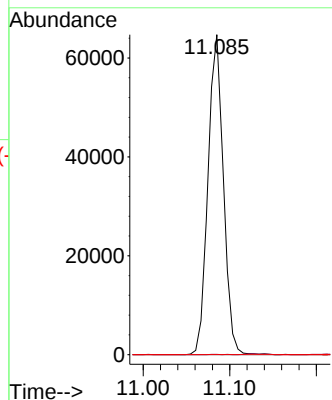
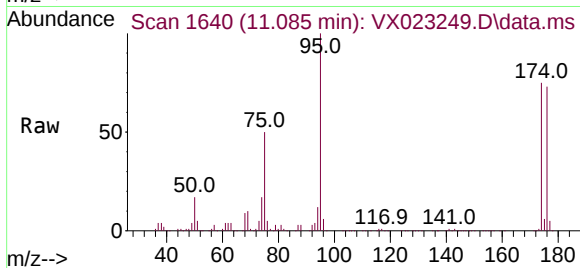




#81
trans-1,4-Dichloro-2-butene
Concen: 75.080 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023249.D
Acq: 12 Jul 2021 18:09

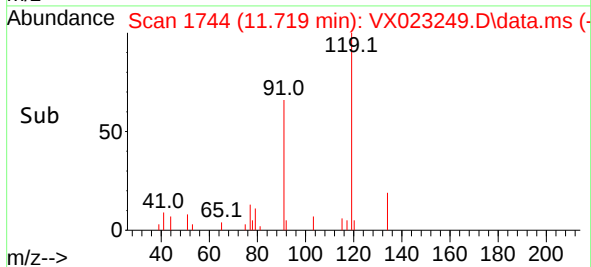
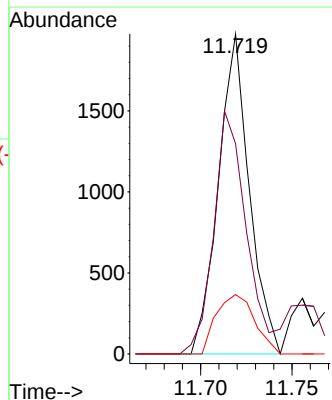
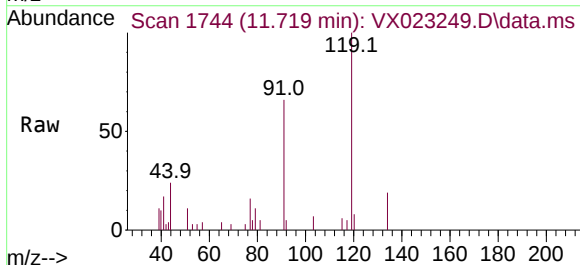
Instrument :
MSVOA_X
ClientSampled :

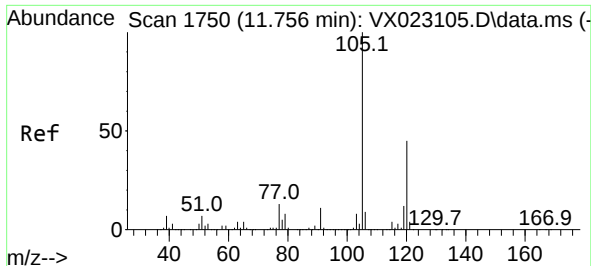
Tgt Ion: 75 Resp: 80081
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#



#83
tert-Butylbenzene
Concen: 0.282 ug/l
RT: 11.719 min Scan# 1744
Delta R.T. 0.000 min
Lab File: VX023249.D
Acq: 12 Jul 2021 18:09

Tgt Ion: 119 Resp: 2320
Ion Ratio Lower Upper
119 100
91 78.9 27.9 83.7
134 23.0 11.3 33.9

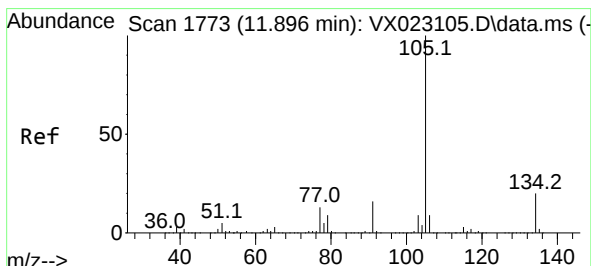
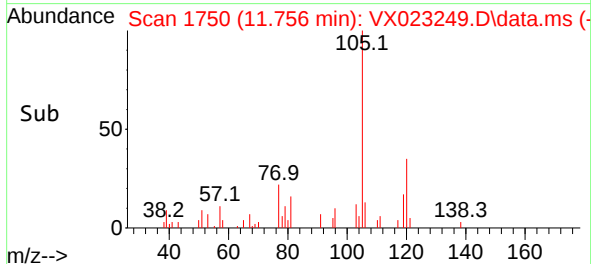
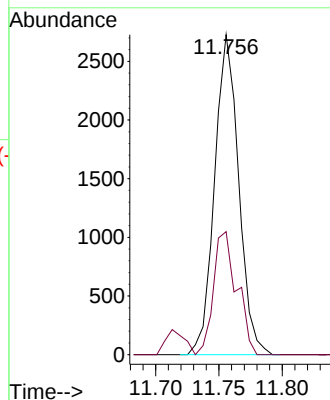
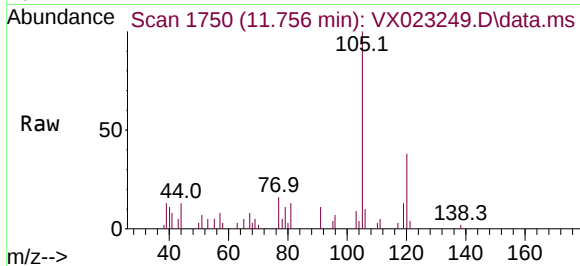




#84
1,2,4-Trimethylbenzene
Concen: 0.420 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX023249.D
Acq: 12 Jul 2021 18:09

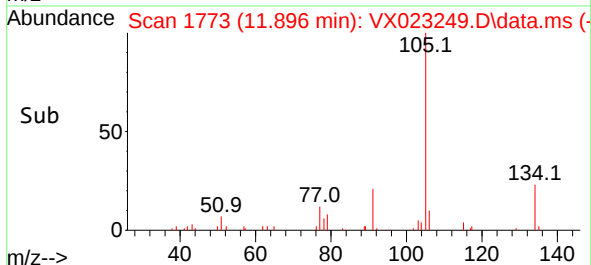
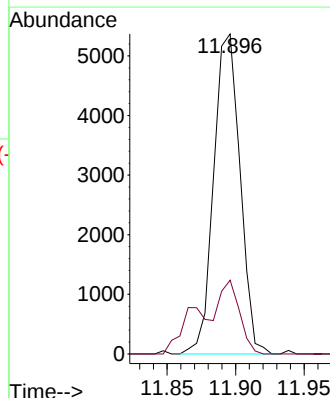
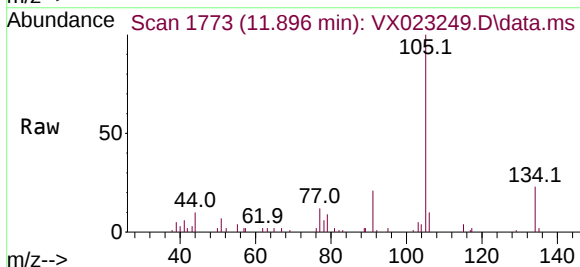
Instrument :
MSVOA_X
ClientSampled :

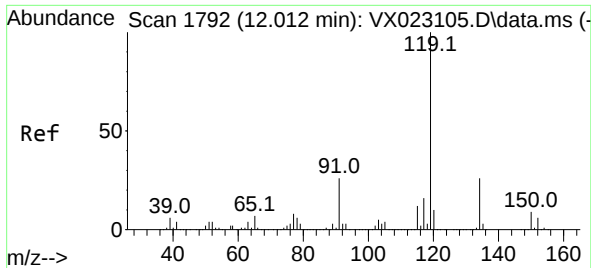
Tgt Ion:105 Resp: 3601
Ion Ratio Lower Upper
105 100
120 37.5 22.4 67.3



#85
sec-Butylbenzene
Concen: 0.677 ug/l
RT: 11.896 min Scan# 1773
Delta R.T. -0.000 min
Lab File: VX023249.D
Acq: 12 Jul 2021 18:09

Tgt Ion:105 Resp: 7169
Ion Ratio Lower Upper
105 100
134 17.3 10.0 29.8

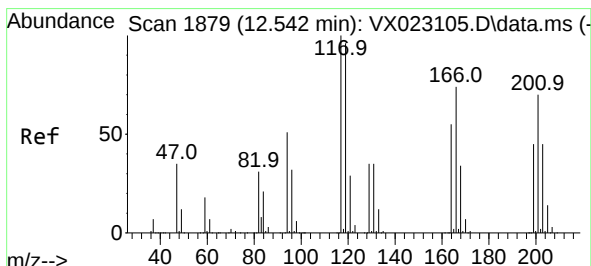
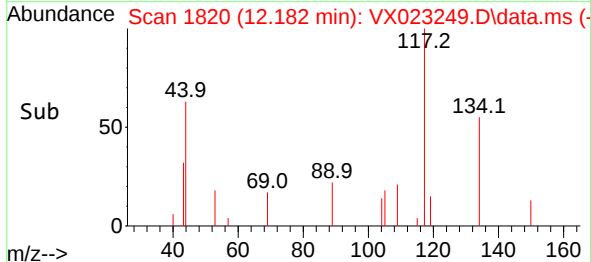
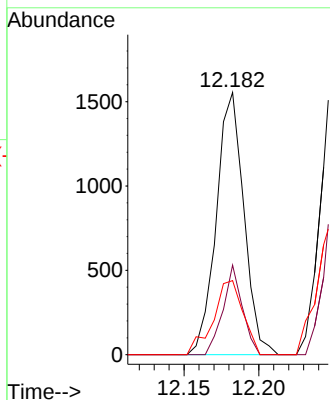
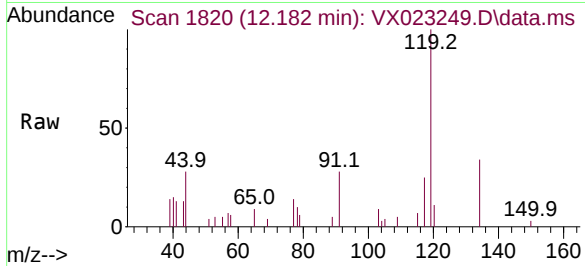




#86
p-Isopropyltoluene
Concen: 0.224 ug/l
RT: 12.182 min Scan# 1820
Delta R.T. 0.170 min
Lab File: VX023249.D
Acq: 12 Jul 2021 18:09

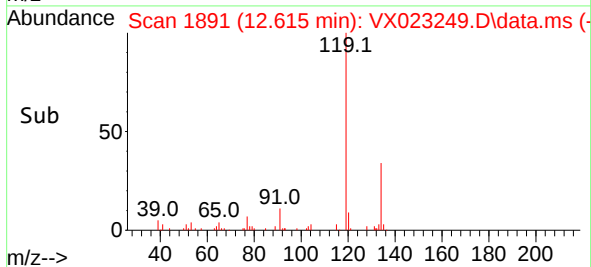
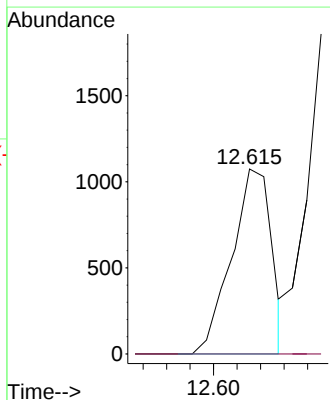
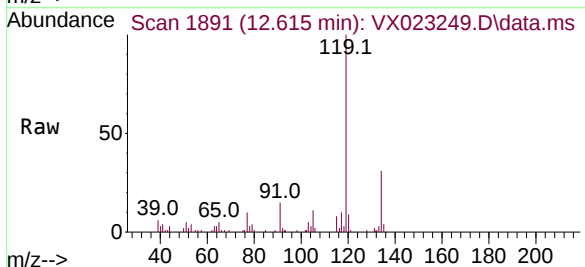
Instrument :
MSVOA_X
ClientSampleId :

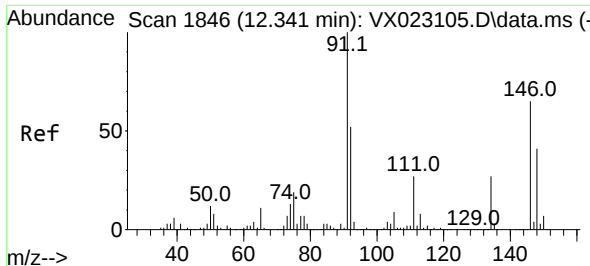
Tgt Ion:119	Resp:	1992
Ion	Ratio	Lower Upper
119	100	
134	23.9	12.9 38.7
91	30.7	11.7 35.0



#90
Hexachloroethane
Concen: 3.785 ug/l
RT: 12.615 min Scan# 1891
Delta R.T. 0.073 min
Lab File: VX023249.D
Acq: 12 Jul 2021 18:09

Tgt Ion:117	Resp:	1277
Ion	Ratio	Lower Upper
117	100	
201	0.0	40.4 121.2#

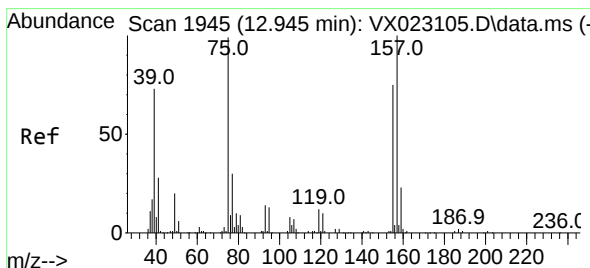
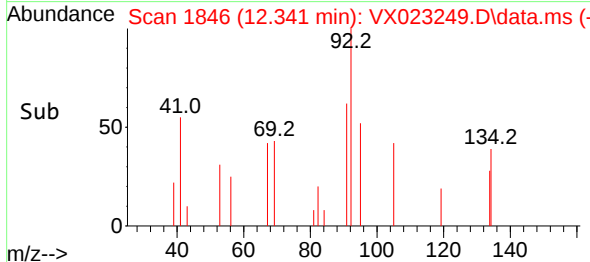
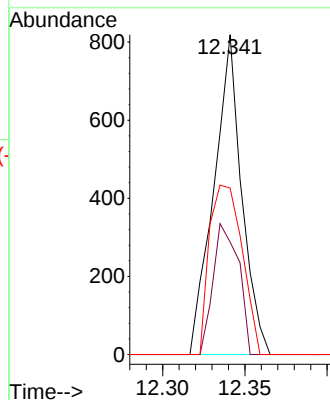
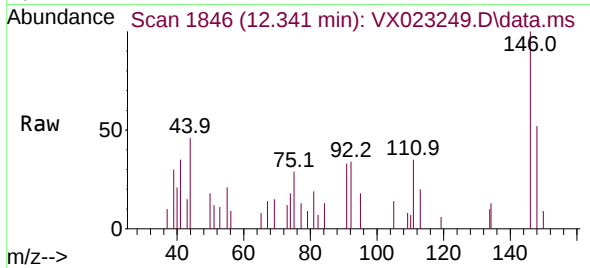




#91
1,2-Dichlorobenzene
Concen: 0.206 ug/l
RT: 12.341 min Scan# 1846
Delta R.T. -0.000 min
Lab File: VX023249.D
Acq: 12 Jul 2021 18:09

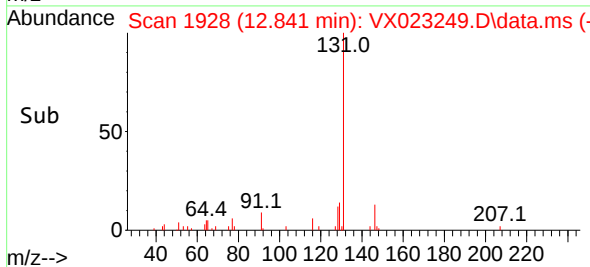
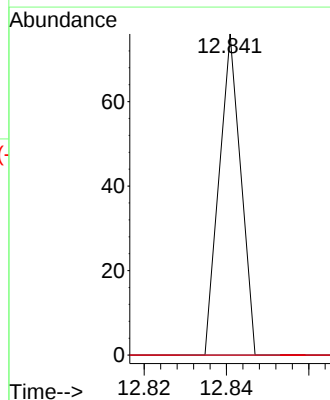
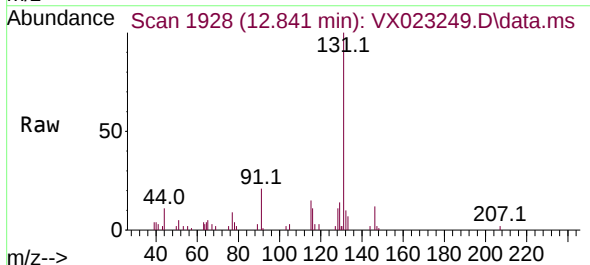
Instrument :
MSVOA_X
ClientSampleId :

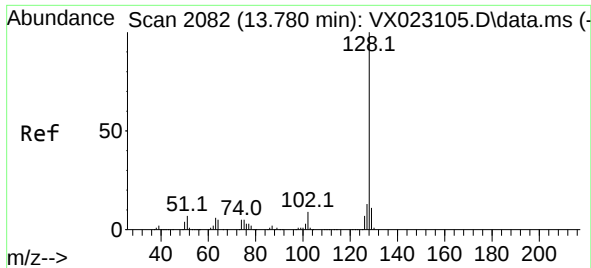
Tgt Ion:146 Resp: 966
Ion Ratio Lower Upper
146 100
111 37.4 20.8 62.2
148 62.1 31.9 95.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.604 ug/l
RT: 12.841 min Scan# 1928
Delta R.T. -0.104 min
Lab File: VX023249.D
Acq: 12 Jul 2021 18:09

Tgt Ion: 75 Resp: 28
Ion Ratio Lower Upper
75 100
155 0.0 45.3 135.9#
157 0.0 57.7 173.1#





#95
Naphthalene
Concen: 28.907 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023249.D
Acq: 12 Jul 2021 18:09

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128 Resp: 302646
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 11.1 8.8 13.2

