

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083122\
 Data File : VX031007.D
 Acq On : 01 Sep 2022 03:40
 Operator : JC/MD
 Sample : N4454-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-13A-8-13-083022

Quant Time: Sep 06 02:31:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X083022W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 30 14:24:53 2022
 Response via : Initial Calibration

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

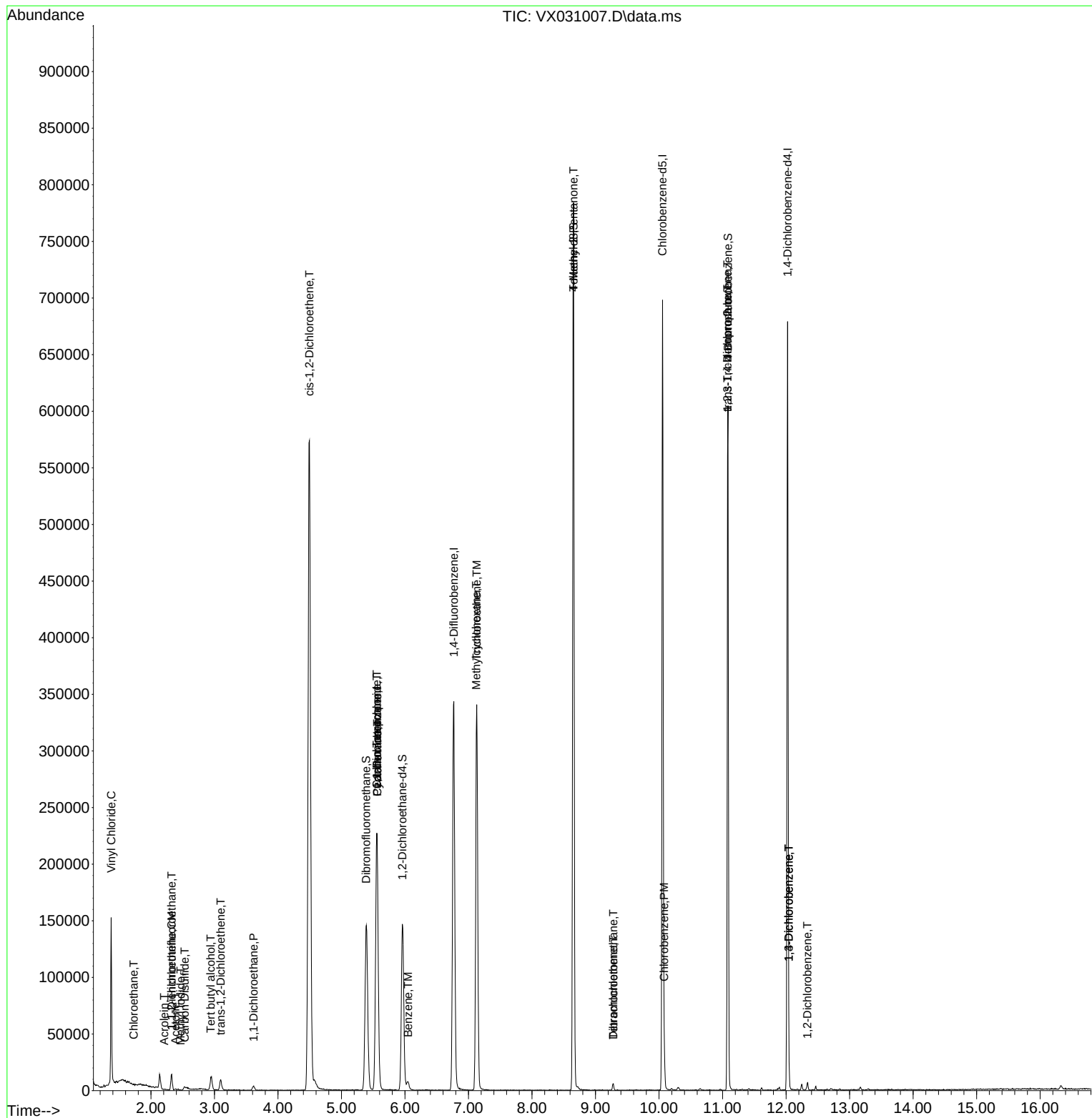
Internal Standards						
1) Pentafluorobenzene	5.562	168	228847	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	380940	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	340803	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	150992	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	141445	43.093	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.180%		
35) Dibromofluoromethane	5.385	113	134394	47.860	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.720%		
50) Toluene-d8	8.653	98	497023	47.794	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.580%		
62) 4-Bromofluorobenzene	11.085	95	167796	45.310	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.620%		
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.374	62	88730	30.780	ug/l	97
5) Bromomethane	1.624	94	164	Below Cal	#	69
6) Chloroethane	1.727	64	588	0.339	ug/l #	41
9) 1,1,2-Trichlorotrifluo...	2.325	101	867	0.308	ug/l #	90
10) Methyl Iodide	2.465	142	95	4.410	ug/l #	78
11) Tert butyl alcohol	2.940	59	6243	8.028	ug/l #	74
12) 1,1-Dichloroethene	2.325	96	4487	1.613	ug/l	84
13) Acrolein	2.209	56	22	7.328	ug/l #	14
16) Acetone	2.386	43	838	0.566	ug/l #	38
17) Carbon Disulfide	2.532	76	6308	0.859	ug/l #	90
21) trans-1,2-Dichloroethene	3.099	96	4082	1.354	ug/l	94
24) 1,1-Dichloroethane	3.617	63	4345	0.798	ug/l #	93
27) cis-1,2-Dichloroethene	4.495	96	400971	115.383	ug/l	87
31) Cyclohexane	5.562	56	3894	0.802	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	16457	3.943	ug/l #	48
38) Carbon Tetrachloride	5.556	117	22623	5.694	ug/l #	21
39) Methylcyclohexane	7.123	83	1927	0.377	ug/l #	1
40) Benzene	6.050	78	9041	0.752	ug/l	98
44) Trichloroethene	7.129	130	143298	40.436	ug/l	93
51) 4-Methyl-2-Pentanone	8.653	43	1769	0.394	ug/l #	1
60) Dibromochloromethane	9.281	129	1227	0.387	ug/l #	11
64) Tetrachloroethene	9.281	164	1084	0.336	ug/l #	67
65) Chlorobenzene	10.079	112	15772	1.957	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	76828	20.668	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	76828	61.449	ug/l #	12
87) 1,3-Dichlorobenzene	12.042	146	6686	1.171	ug/l #	78
88) 1,4-Dichlorobenzene	12.042	146	6686	1.143	ug/l #	79
91) 1,2-Dichlorobenzene	12.335	146	2389	0.413	ug/l	91

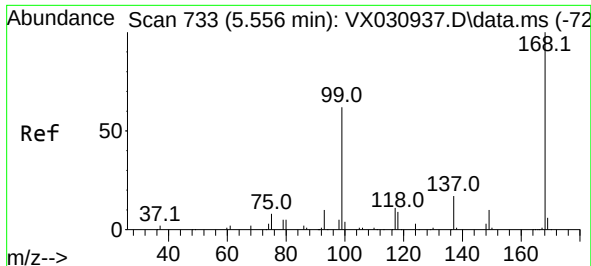
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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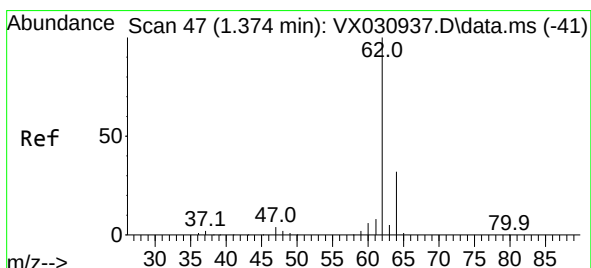
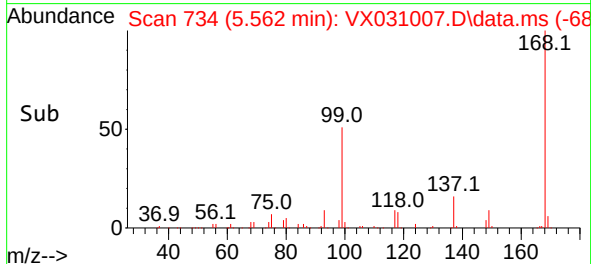
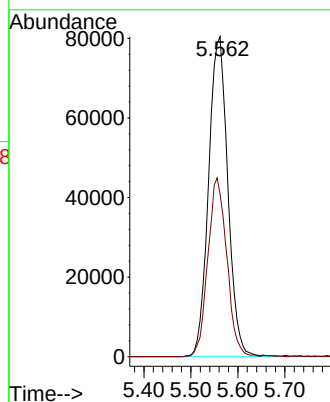
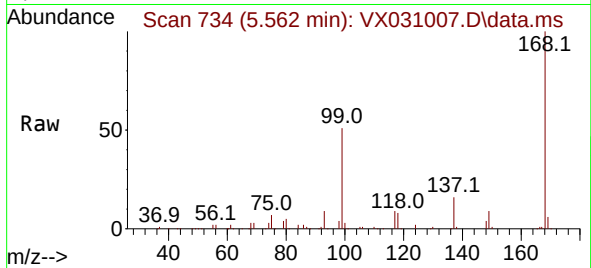




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX031007.D
Acq: 01 Sep 2022 03:40

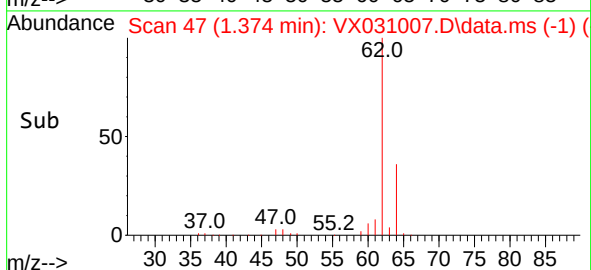
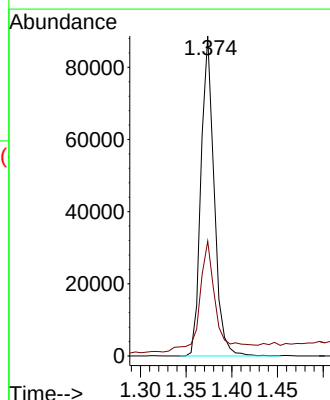
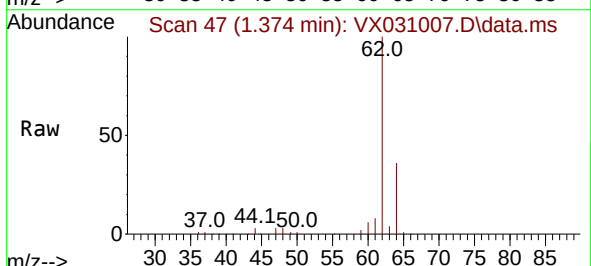
Instrument :
MSVOA_X
ClientSampleId :
MW-13A-8-13-083022

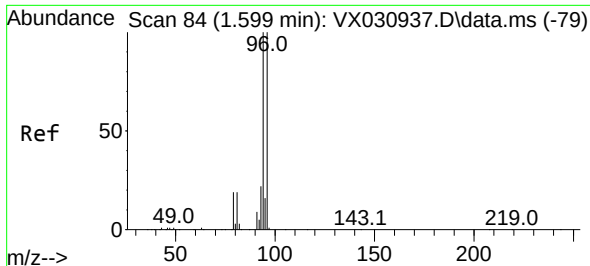
Tgt Ion:168 Resp: 228847
Ion Ratio Lower Upper
168 100
99 50.8 44.0 66.0



#4
Vinyl Chloride
Concen: 30.780 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX031007.D
Acq: 01 Sep 2022 03:40

Tgt Ion: 62 Resp: 88730
Ion Ratio Lower Upper
62 100
64 33.1 25.2 37.8

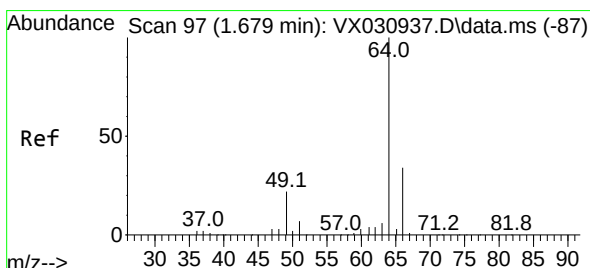
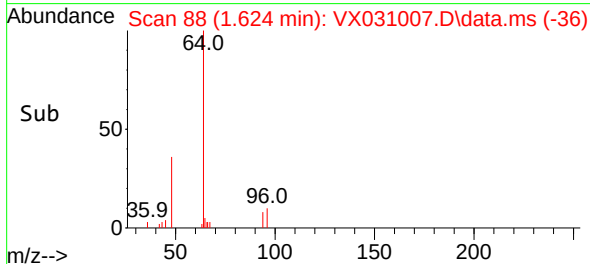
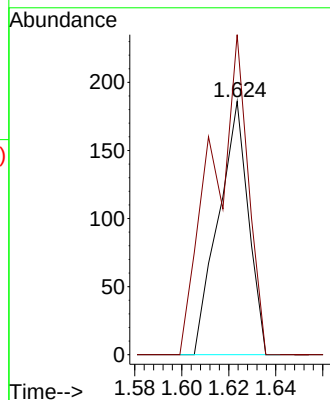
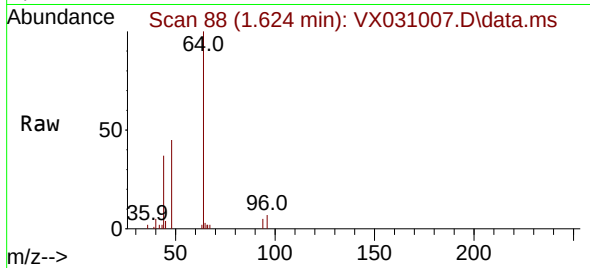




#5
Bromomethane
Concen: Below Cal
RT: 1.624 min Scan# 84
Delta R.T. 0.019 min
Lab File: VX031007.D
Acq: 01 Sep 2022 03:40

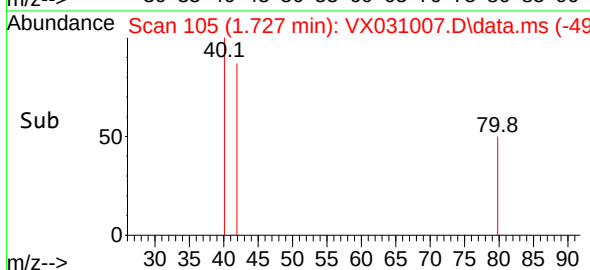
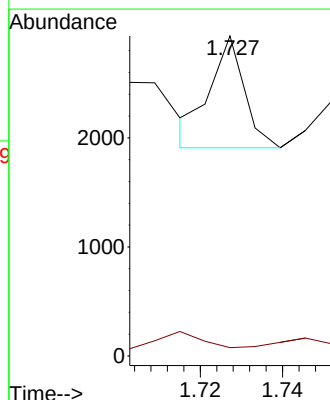
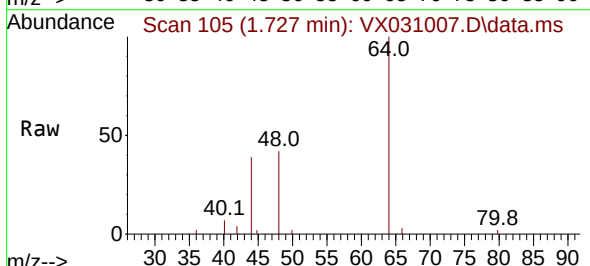
Instrument :
MSVOA_X
ClientSampleId :
MW-13A-8-13-083022

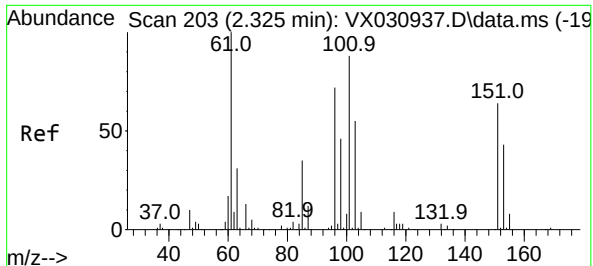
Tgt Ion: 94 Resp: 164
Ion Ratio Lower Upper
94 100
96 126.3 76.9 115.3#



#6
Chloroethane
Concen: 0.339 ug/l
RT: 1.727 min Scan# 105
Delta R.T. 0.042 min
Lab File: VX031007.D
Acq: 01 Sep 2022 03:40

Tgt Ion: 64 Resp: 588
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#

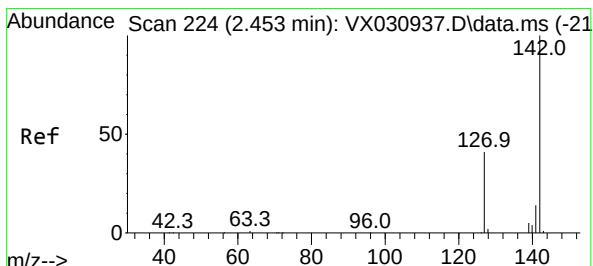
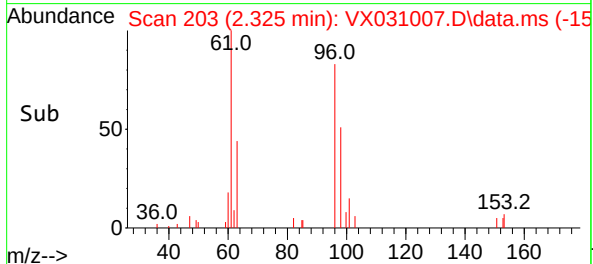
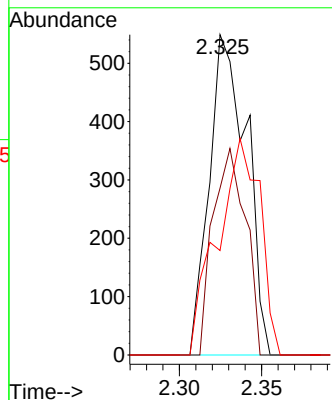
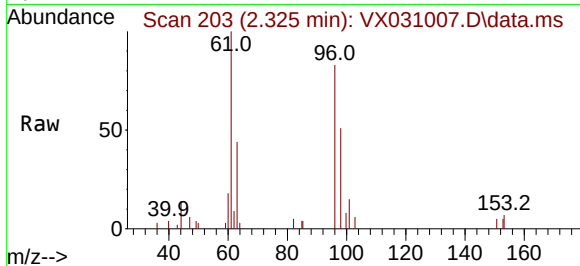




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.308 ug/l
RT: 2.325 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX031007.D
Acq: 01 Sep 2022 03:40

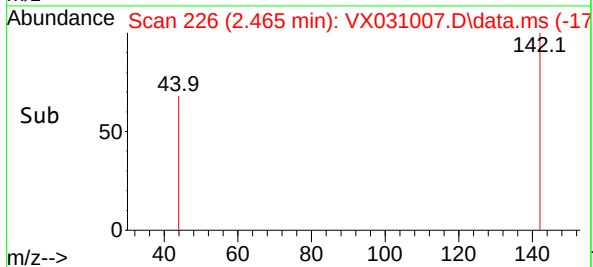
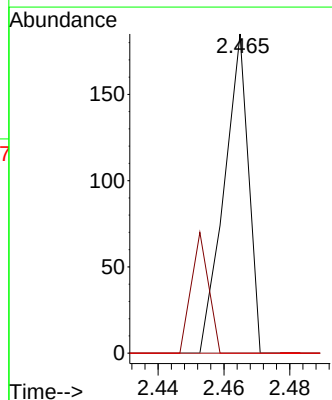
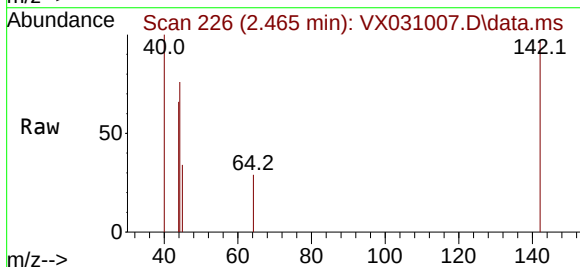
Instrument :
MSVOA_X
ClientSampleId :
MW-13A-8-13-083022

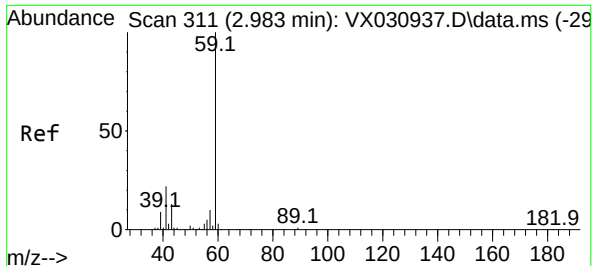
Tgt Ion:101 Resp: 867
Ion Ratio Lower Upper
101 100
85 56.3 34.0 51.0#
151 77.0 59.4 89.0



#10
Methyl Iodide
Concen: 4.410 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX031007.D
Acq: 01 Sep 2022 03:40

Tgt Ion:142 Resp: 95
Ion Ratio Lower Upper
142 100
127 27.4 30.2 45.2#
141 0.0 11.3 16.9#

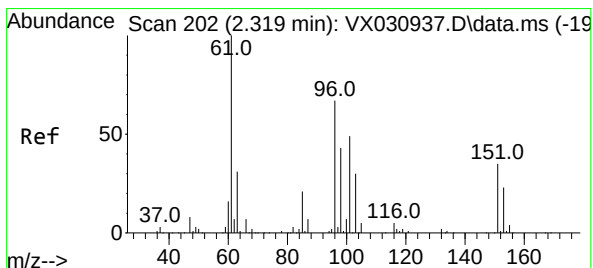
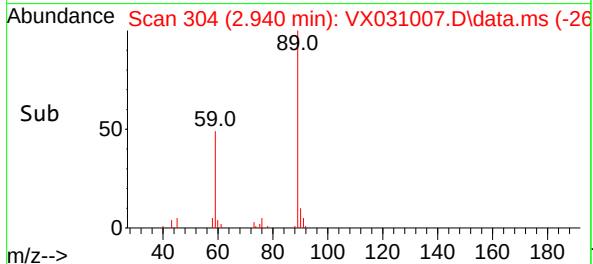
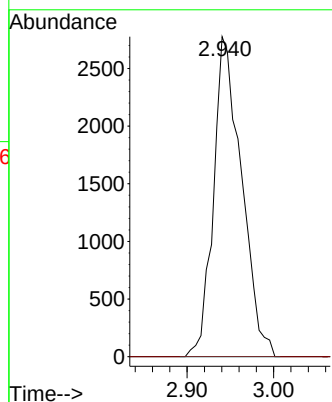
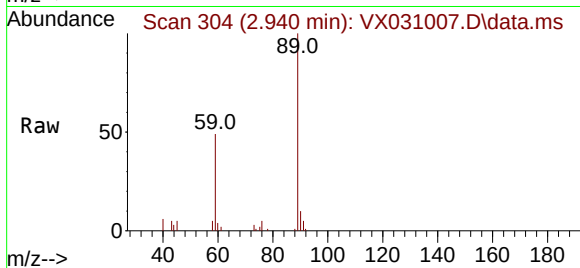




#11
Tert butyl alcohol
Concen: 8.028 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.049 min
Lab File: VX031007.D
Acq: 01 Sep 2022 03:40

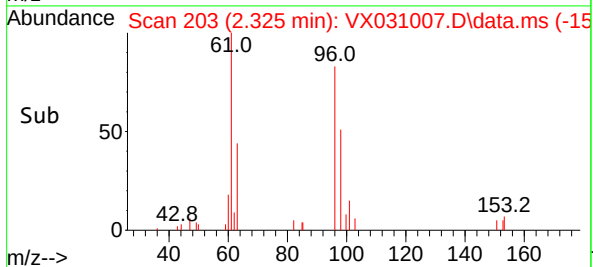
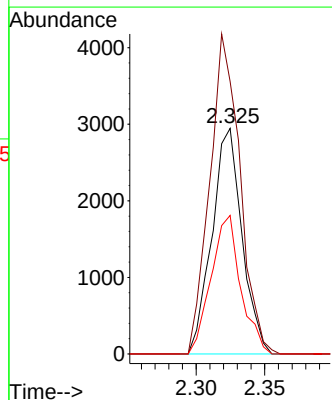
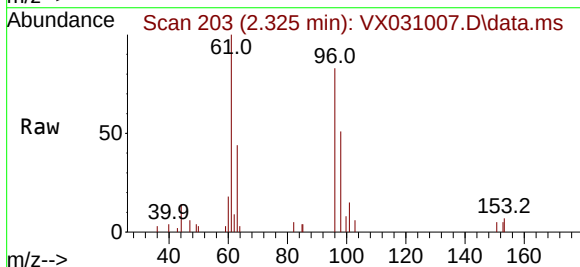
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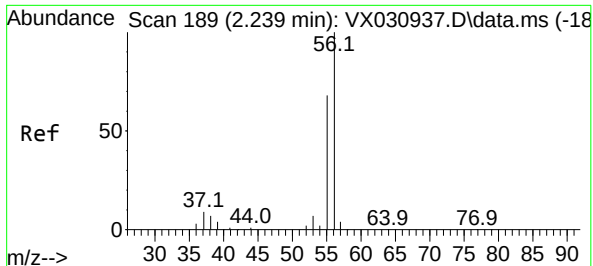
Tgt Ion: 59 Resp: 6243
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#12
1,1-Dichloroethene
Concen: 1.613 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX031007.D
Acq: 01 Sep 2022 03:40

Tgt Ion: 96 Resp: 4487
Ion Ratio Lower Upper
96 100
61 120.7 117.4 176.0
98 61.4 52.2 78.4

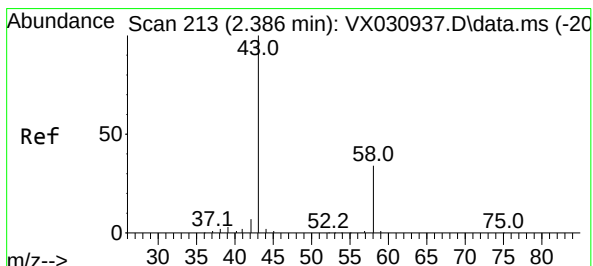
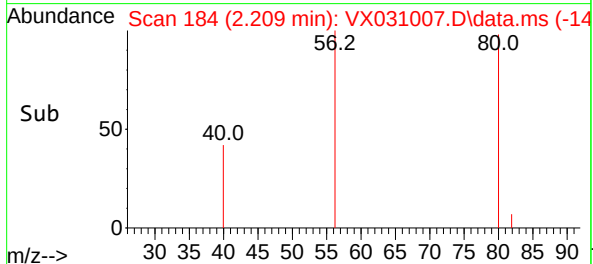
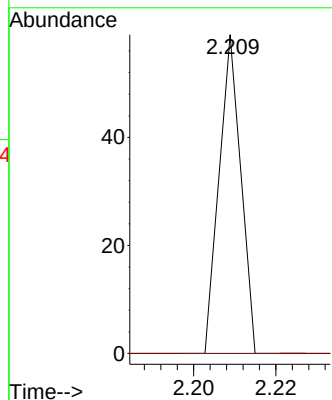
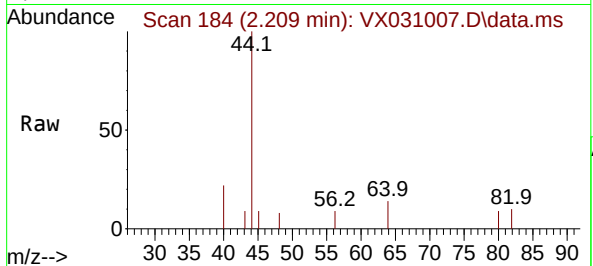




#13
Acrolein
Concen: 7.328 ug/l
RT: 2.209 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX031007.D
Acq: 01 Sep 2022 03:40

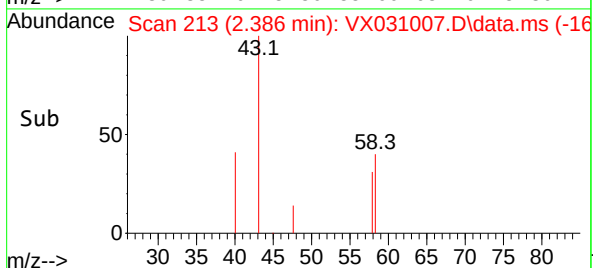
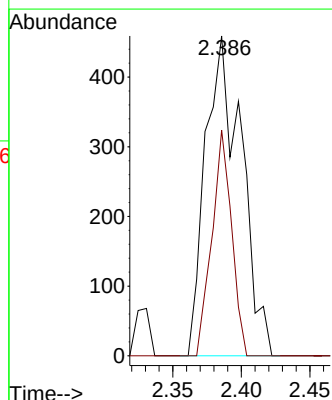
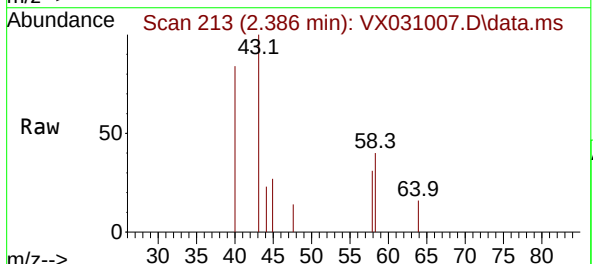
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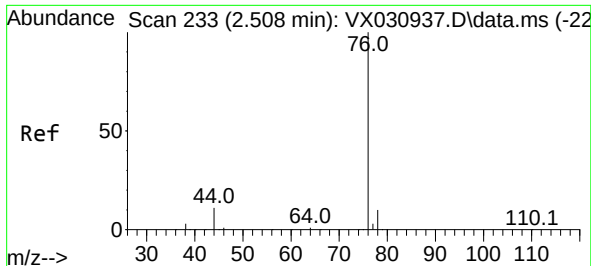
Tgt Ion: 56 Resp: 22
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#



#16
Acetone
Concen: 0.566 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX031007.D
Acq: 01 Sep 2022 03:40

Tgt Ion: 43 Resp: 838
Ion Ratio Lower Upper
43 100
58 70.6 27.7 41.5#

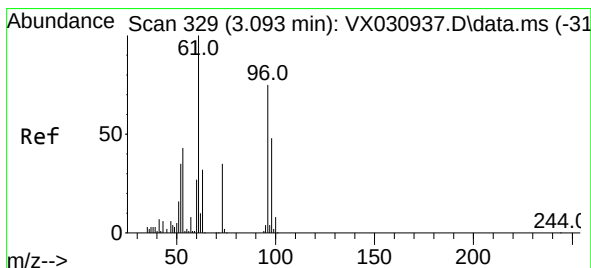
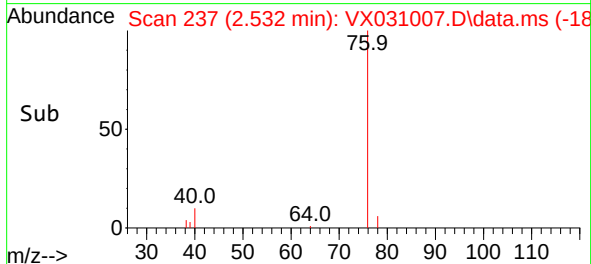
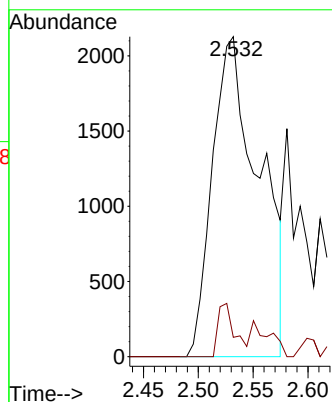
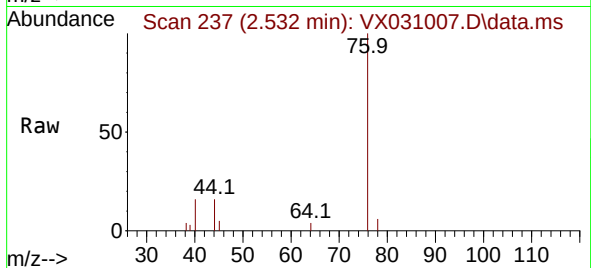




#17
Carbon Disulfide
Concen: 0.859 ug/l
RT: 2.532 min Scan# 21
Delta R.T. 0.018 min
Lab File: VX031007.D
Acq: 01 Sep 2022 03:40

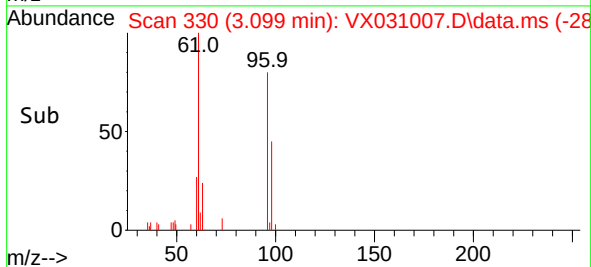
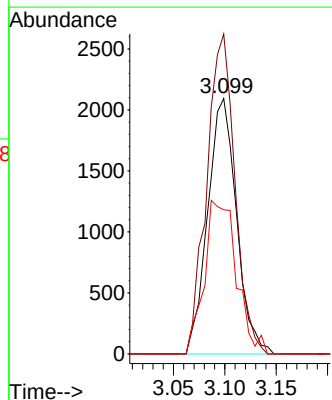
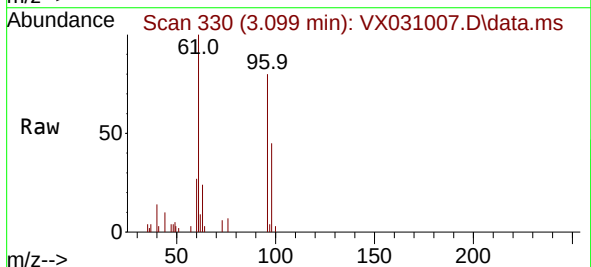
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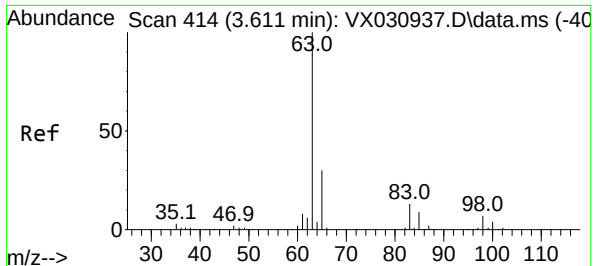
Tgt Ion: 76 Resp: 6308
Ion Ratio Lower Upper
76 100
78 6.1 7.8 11.6#



#21
trans-1,2-Dichloroethene
Concen: 1.354 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.006 min
Lab File: VX031007.D
Acq: 01 Sep 2022 03:40

Tgt Ion: 96 Resp: 4082
Ion Ratio Lower Upper
96 100
61 125.2 105.6 158.4
98 56.4 50.1 75.1

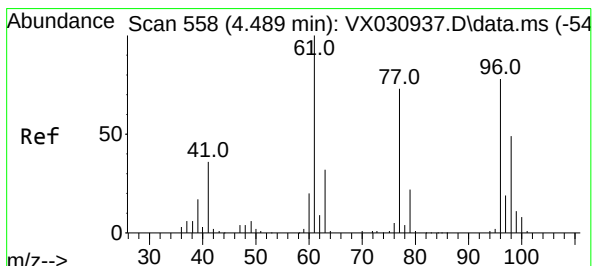
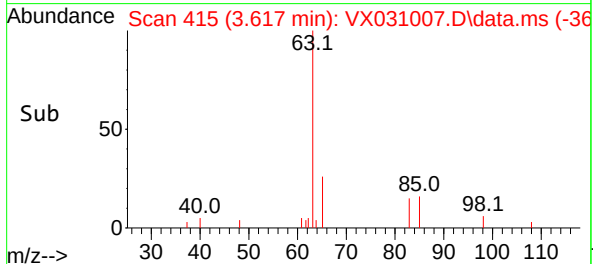
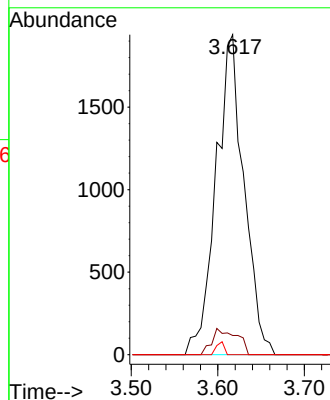
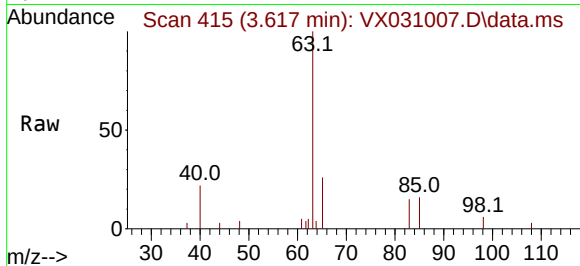




#24
1,1-Dichloroethane
Concen: 0.798 ug/l
RT: 3.617 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX031007.D
Acq: 01 Sep 2022 03:40

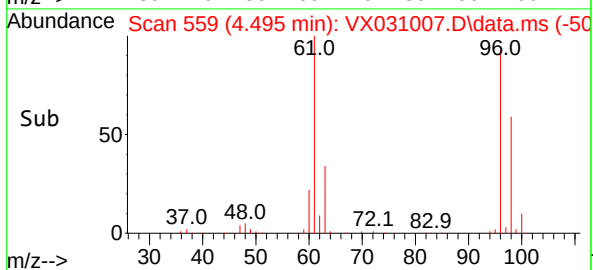
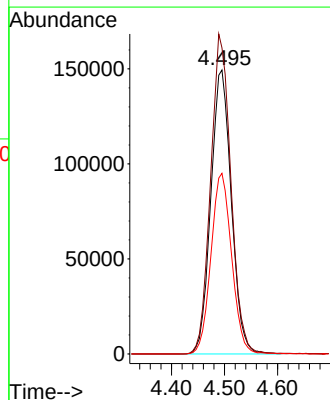
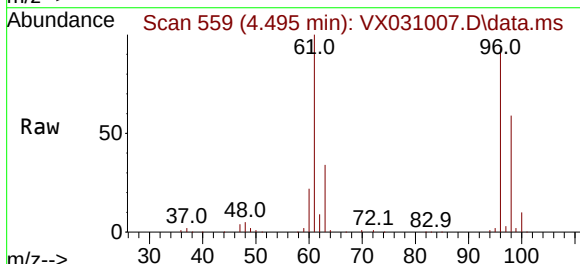
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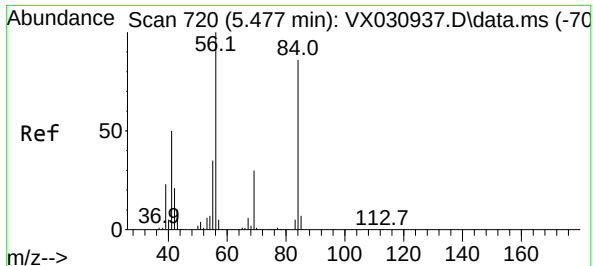
Tgt Ion: 63 Resp: 4345
Ion Ratio Lower Upper
63 100
98 6.0 3.5 10.5
100 0.0 2.3 6.9#



#27
cis-1,2-Dichloroethene
Concen: 115.383 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX031007.D
Acq: 01 Sep 2022 03:40

Tgt Ion: 96 Resp: 400971
Ion Ratio Lower Upper
96 100
61 111.7 0.0 270.0
98 64.1 0.0 127.8

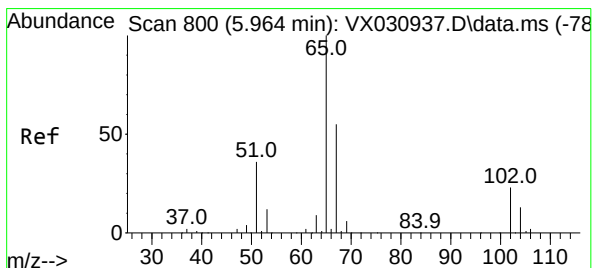
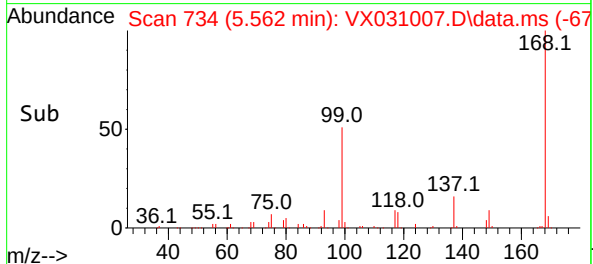
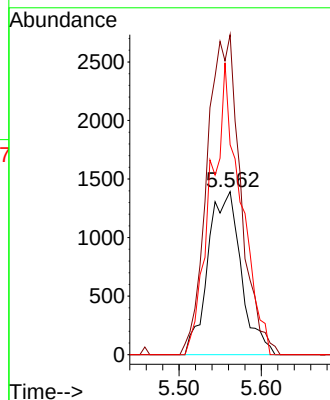
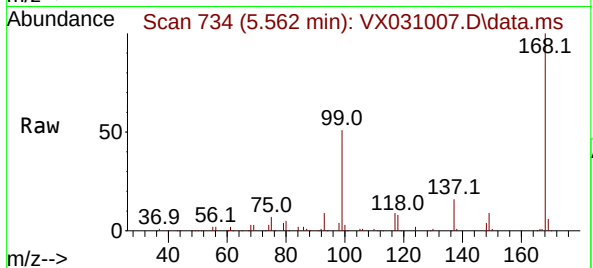




#31
Cyclohexane
Concen: 0.802 ug/l
RT: 5.562 min Scan# 710
Delta R.T. 0.085 min
Lab File: VX031007.D
Acq: 01 Sep 2022 03:40

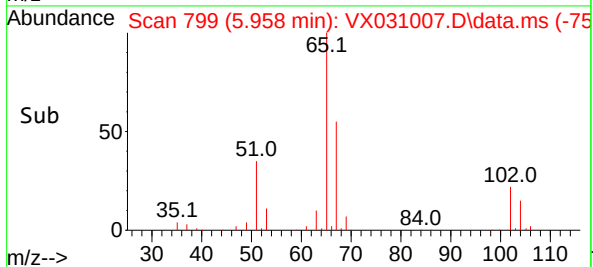
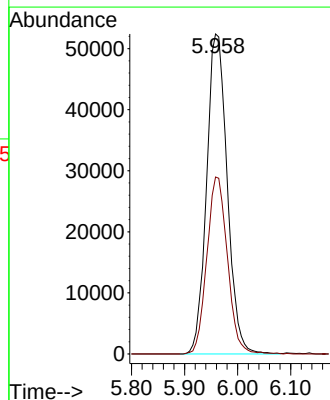
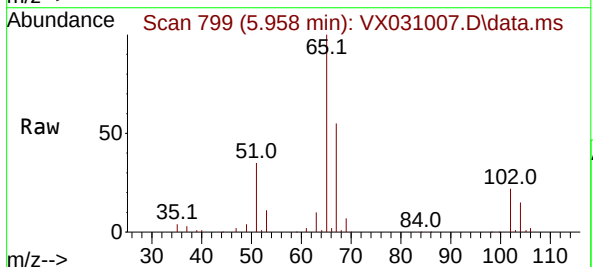
Instrument :
MSVOA_X
ClientSampleId :
MW-13A-8-13-083022

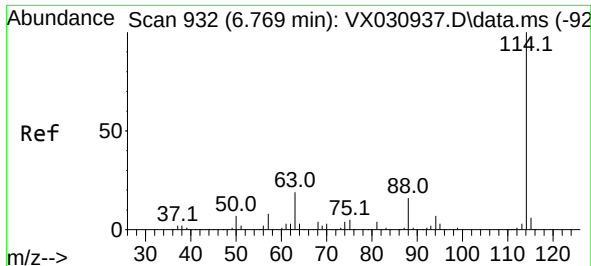
Tgt Ion: 56 Resp: 3894
Ion Ratio Lower Upper
56 100
69 196.2 25.4 38.0#
84 128.7 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 43.093 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031007.D
Acq: 01 Sep 2022 03:40

Tgt Ion: 65 Resp: 141445
Ion Ratio Lower Upper
65 100
67 55.2 0.0 109.6

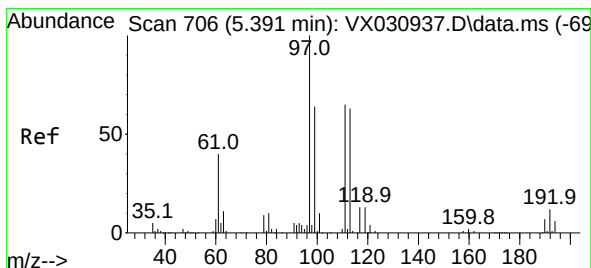
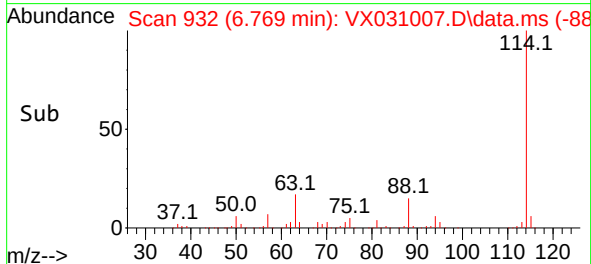
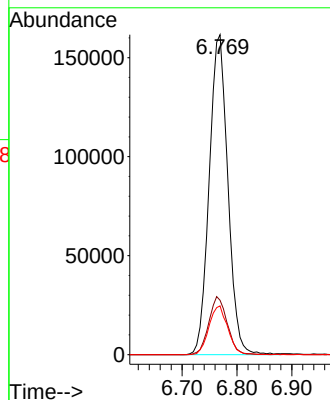
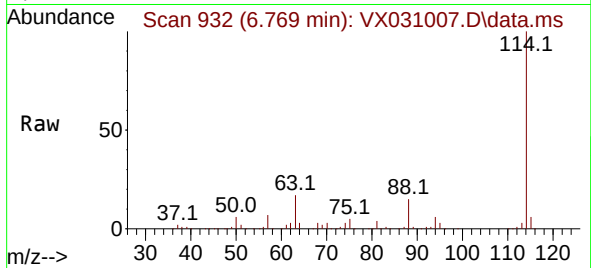




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX031007.D
Acq: 01 Sep 2022 03:40

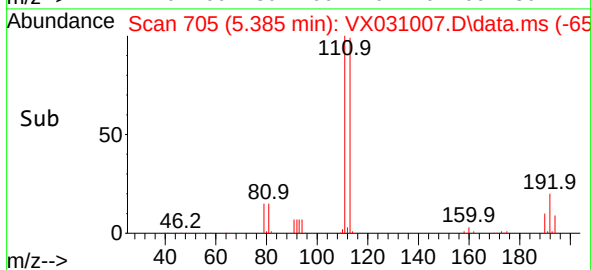
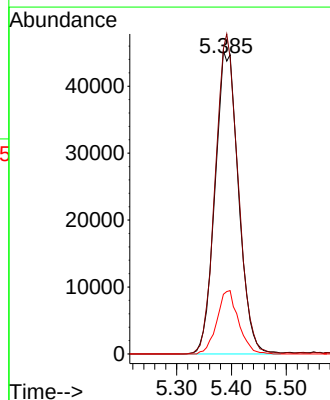
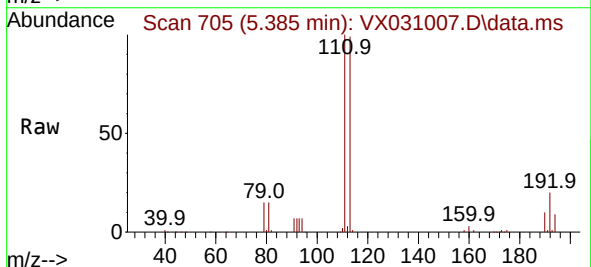
Instrument :
MSVOA_X
ClientSampleId :
MW-13A-8-13-083022

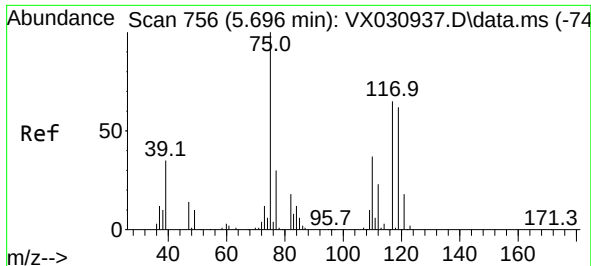
Tgt Ion:114 Resp: 380940
Ion Ratio Lower Upper
114 100
63 17.0 0.0 38.4
88 15.3 0.0 31.8



#35
Dibromofluoromethane
Concen: 47.860 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX031007.D
Acq: 01 Sep 2022 03:40

Tgt Ion:113 Resp: 134394
Ion Ratio Lower Upper
113 100
111 102.4 83.2 124.8
192 19.2 14.8 22.2

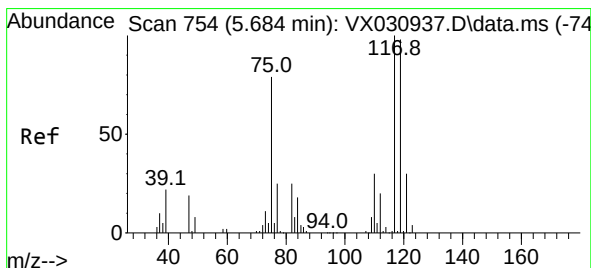
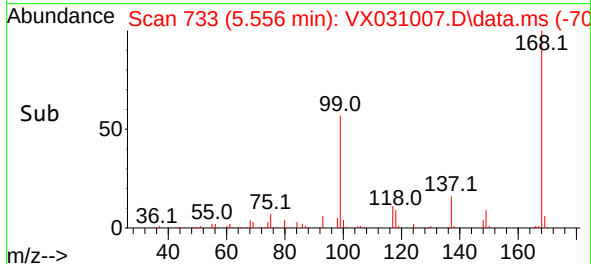
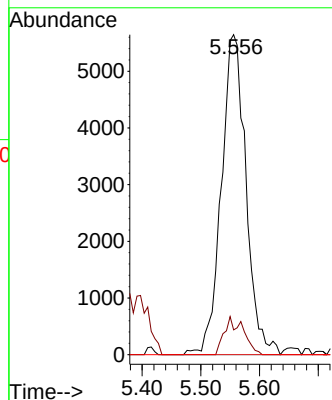
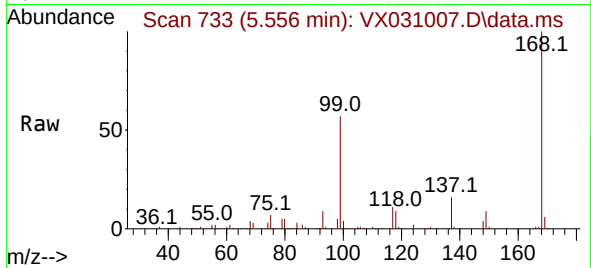




#36
1,1-Dichloropropene
Concen: 3.943 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX031007.D
Acq: 01 Sep 2022 03:40

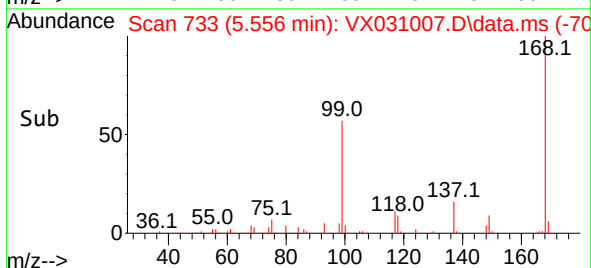
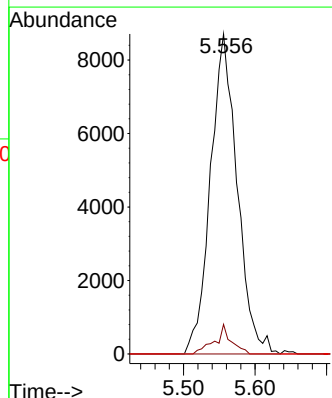
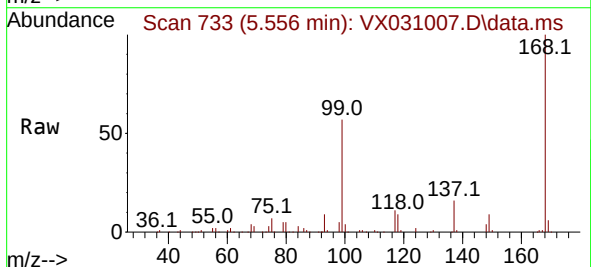
Instrument :
MSVOA_X
ClientSampleId :
MW-13A-8-13-083022

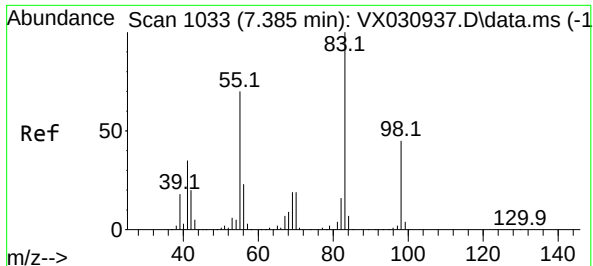
Tgt Ion: 75 Resp: 16457
Ion Ratio Lower Upper
75 100
110 9.2 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.694 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX031007.D
Acq: 01 Sep 2022 03:40

Tgt Ion: 117 Resp: 22623
Ion Ratio Lower Upper
117 100
119 9.3 74.1 111.1#
121 0.0 25.8 38.8#





#39

Methylcyclohexane

Concen: 0.377 ug/l

RT: 7.123 min Scan# 91

Delta R.T. -0.262 min

Lab File: VX031007.D

Acq: 01 Sep 2022 03:40

Instrument :

MSVOA_X

ClientSampleId :

MW-13A-8-13-083022

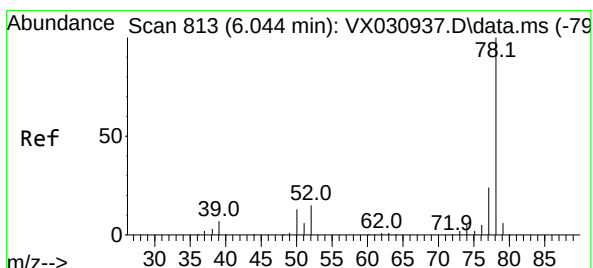
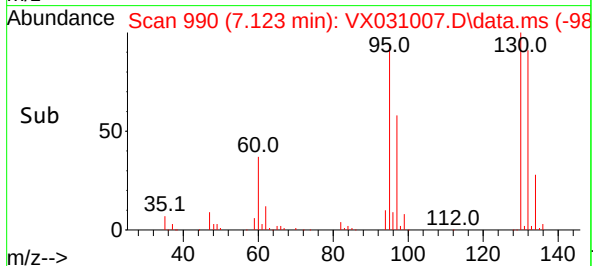
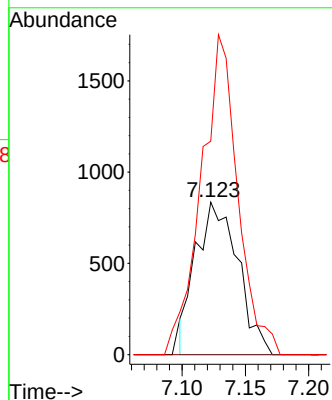
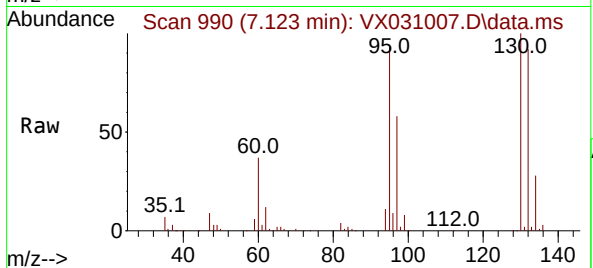
Tgt Ion: 83 Resp: 1927

Ion Ratio Lower Upper

83 100

55 0.0 57.7 86.5#

98 140.0 36.5 54.7#



#40

Benzene

Concen: 0.752 ug/l

RT: 6.050 min Scan# 814

Delta R.T. 0.006 min

Lab File: VX031007.D

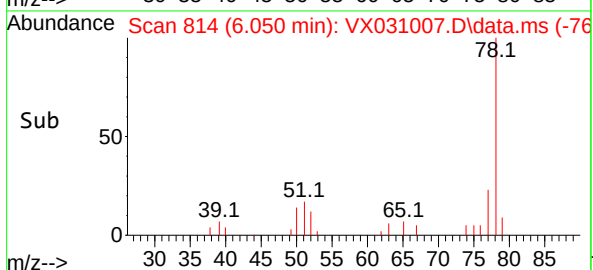
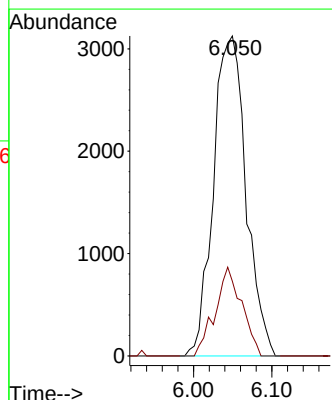
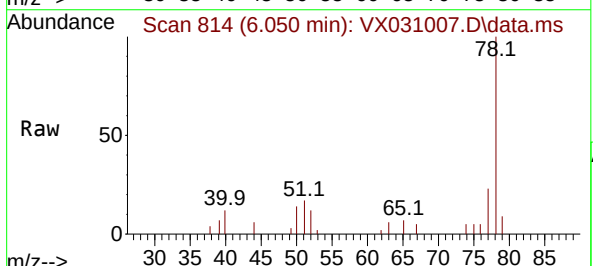
Acq: 01 Sep 2022 03:40

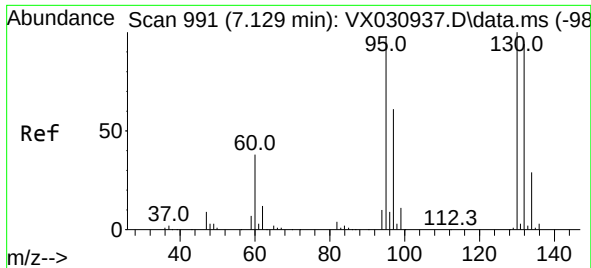
Tgt Ion: 78 Resp: 9041

Ion Ratio Lower Upper

78 100

77 23.4 18.0 27.0

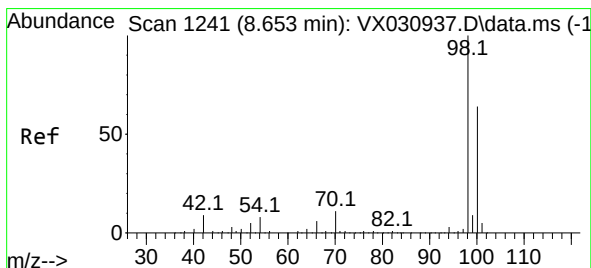
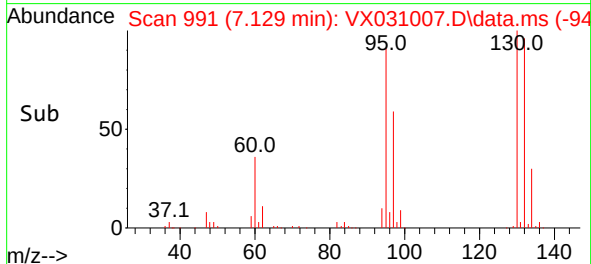
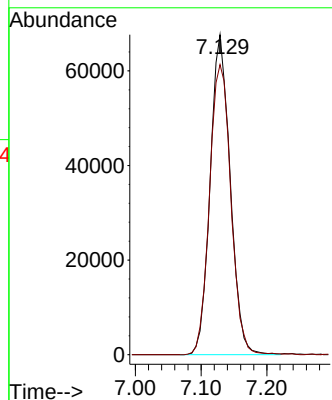
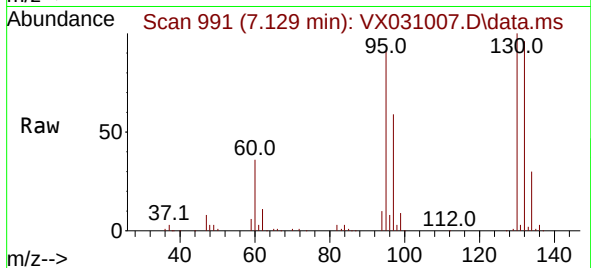




#44
 Trichloroethene
 Concen: 40.436 ug/l
 RT: 7.129 min Scan# 991
 Delta R.T. -0.000 min
 Lab File: VX031007.D
 Acq: 01 Sep 2022 03:40

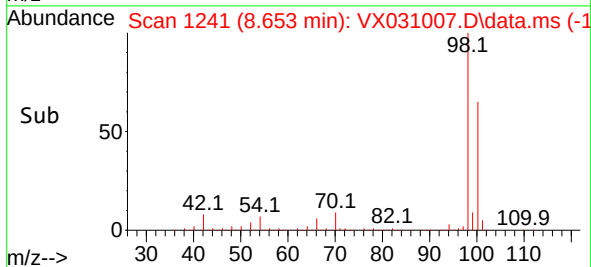
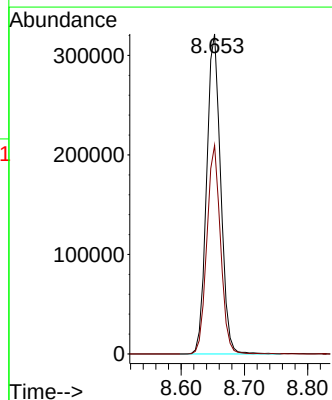
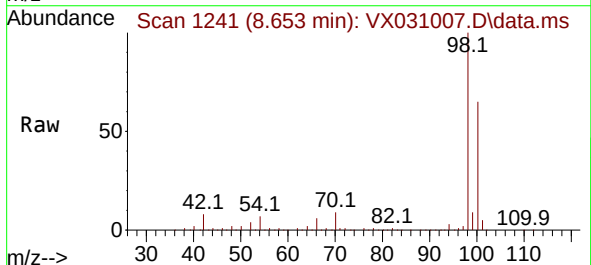
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-13A-8-13-083022

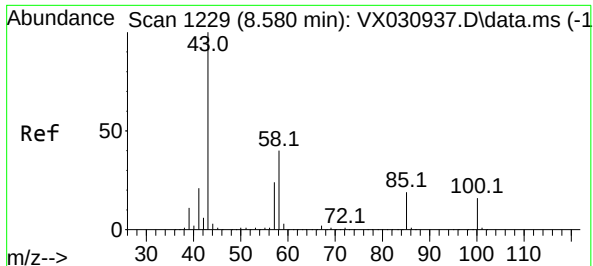
Tgt Ion:130 Resp: 143298
 Ion Ratio Lower Upper
 130 100
 95 90.7 0.0 194.8



#50
 Toluene-d8
 Concen: 47.794 ug/l
 RT: 8.653 min Scan# 1241
 Delta R.T. -0.000 min
 Lab File: VX031007.D
 Acq: 01 Sep 2022 03:40

Tgt Ion: 98 Resp: 497023
 Ion Ratio Lower Upper
 98 100
 100 63.5 52.3 78.5

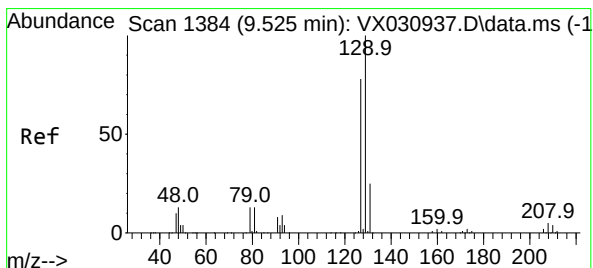
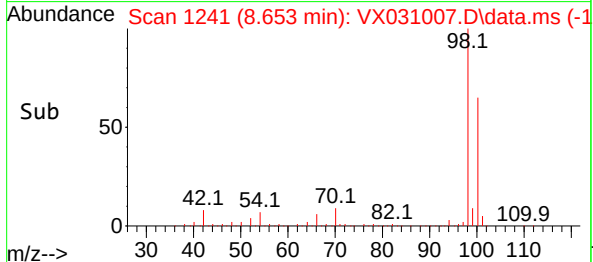
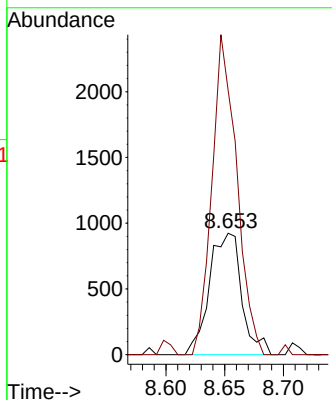
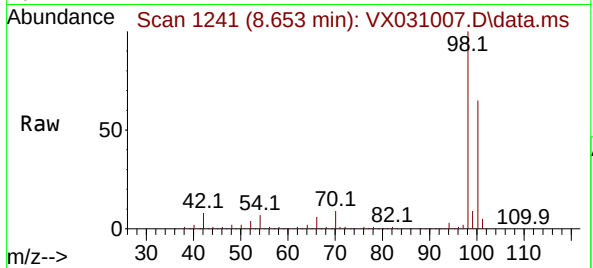




#51
4-Methyl-2-Pentanone
Concen: 0.394 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX031007.D
Acq: 01 Sep 2022 03:40

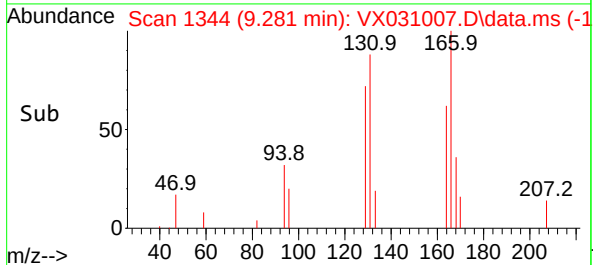
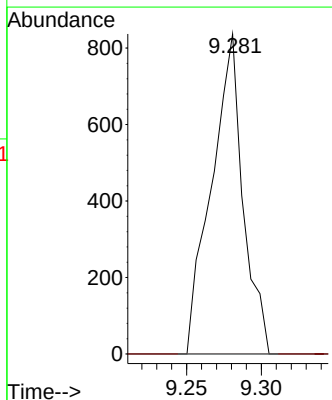
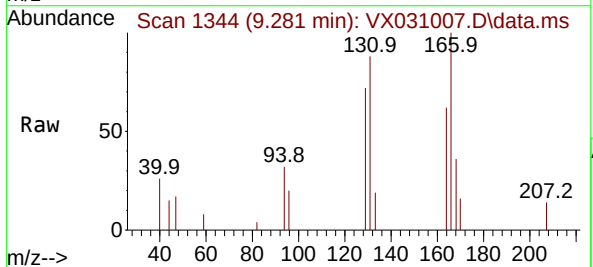
Instrument :
MSVOA_X
ClientSampleId :
MW-13A-8-13-083022

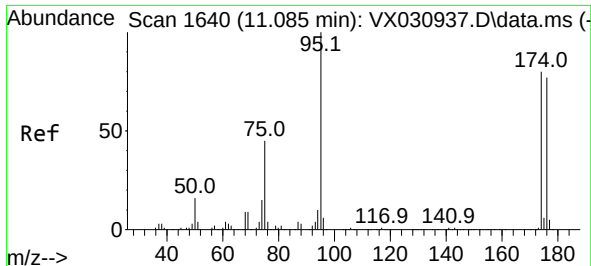
Tgt Ion: 43 Resp: 1769
Ion Ratio Lower Upper
43 100
58 202.3 31.4 47.2#



#60
Dibromochloromethane
Concen: 0.387 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX031007.D
Acq: 01 Sep 2022 03:40

Tgt Ion: 129 Resp: 1227
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#

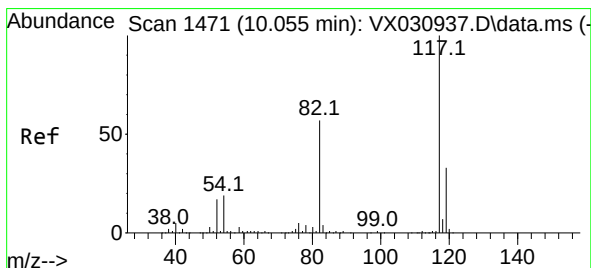
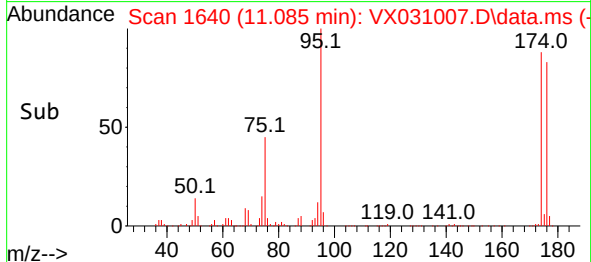
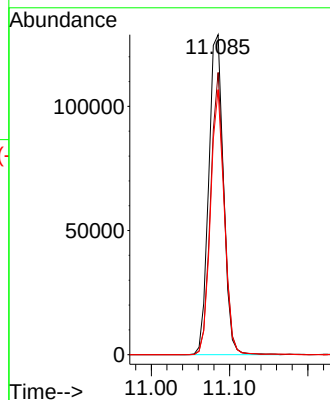
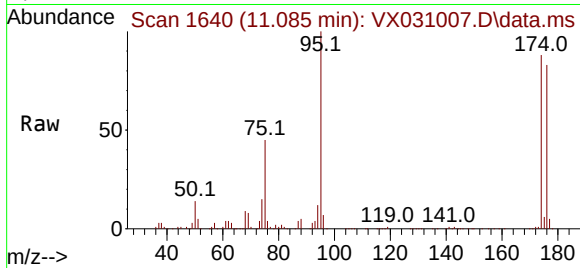




#62
4-Bromofluorobenzene
Concen: 45.310 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX031007.D
Acq: 01 Sep 2022 03:40

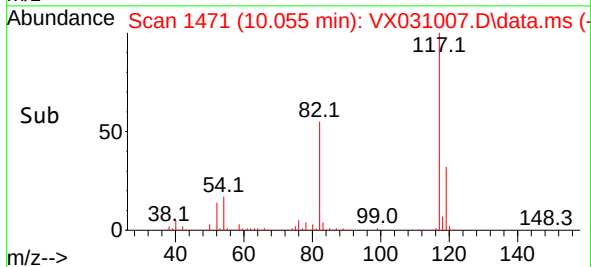
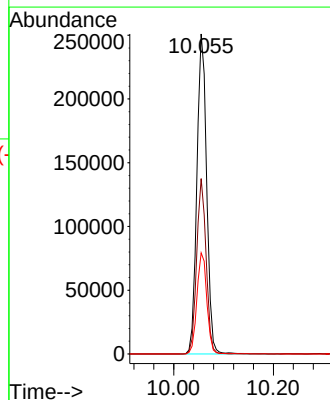
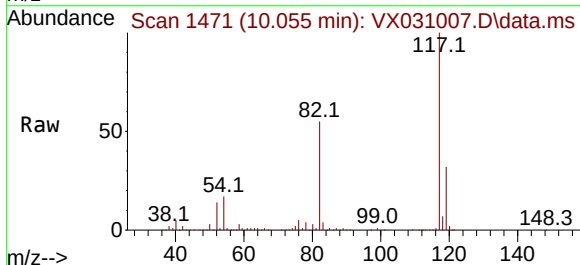
Instrument :
MSVOA_X
ClientSampleId :
MW-13A-8-13-083022

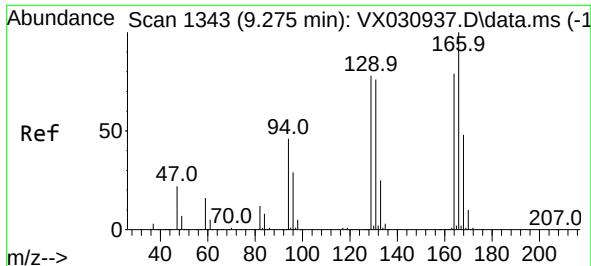
Tgt Ion: 95 Resp: 167796
Ion Ratio Lower Upper
95 100
174 81.8 0.0 149.0
176 77.6 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031007.D
Acq: 01 Sep 2022 03:40

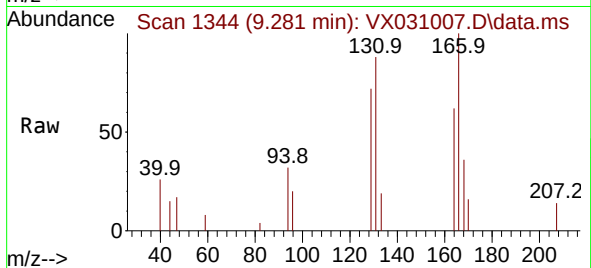
Tgt Ion: 117 Resp: 340803
Ion Ratio Lower Upper
117 100
82 54.8 42.7 64.1
119 31.6 25.4 38.2



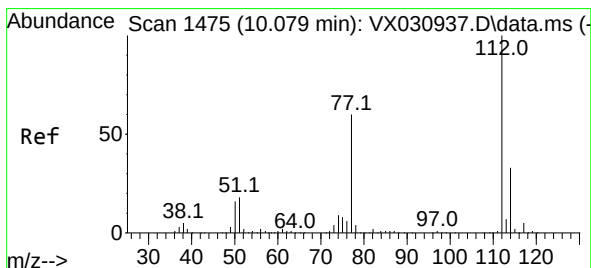
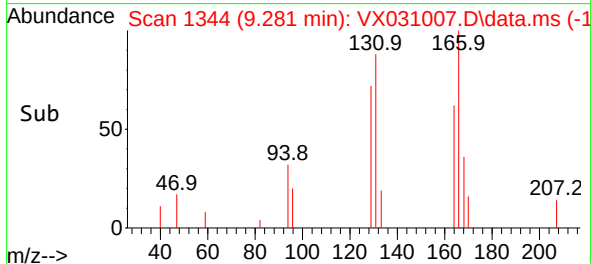
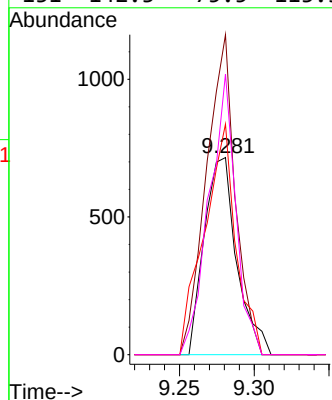


#64
Tetrachloroethene
Concen: 0.336 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX031007.D
Acq: 01 Sep 2022 03:40

Instrument :
MSVOA_X
ClientSampleId :
MW-13A-8-13-083022

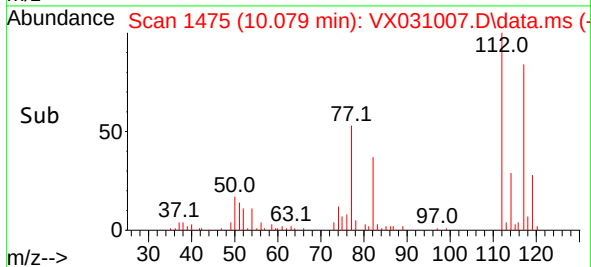
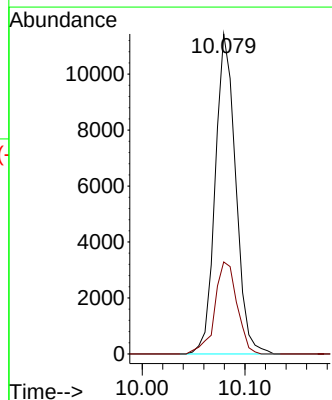
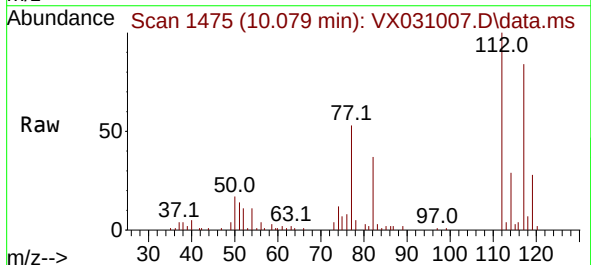


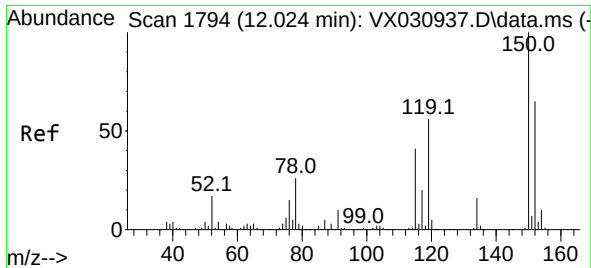
Tgt Ion:164 Resp: 1084
Ion Ratio Lower Upper
164 100
166 162.3 98.2 147.4#
129 116.9 80.8 121.2
131 142.3 75.5 113.3#



#65
Chlorobenzene
Concen: 1.957 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX031007.D
Acq: 01 Sep 2022 03:40

Tgt Ion:112 Resp: 15772
Ion Ratio Lower Upper
112 100
114 28.7 24.6 36.8

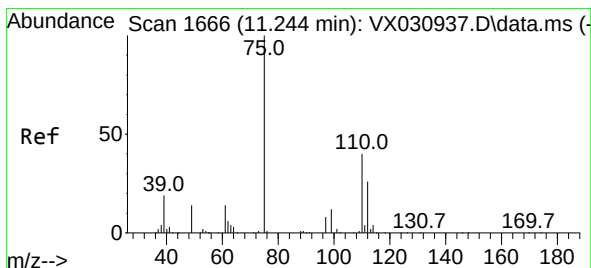
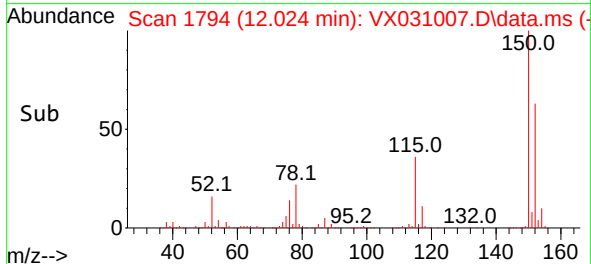
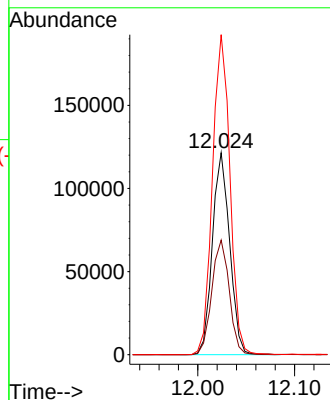
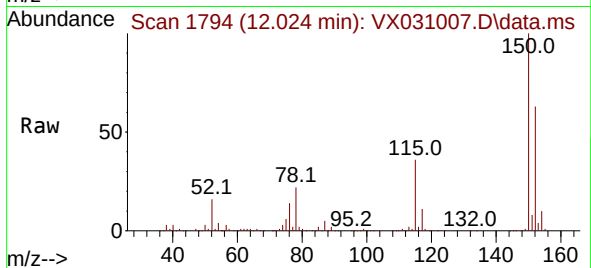




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX031007.D
 Acq: 01 Sep 2022 03:40

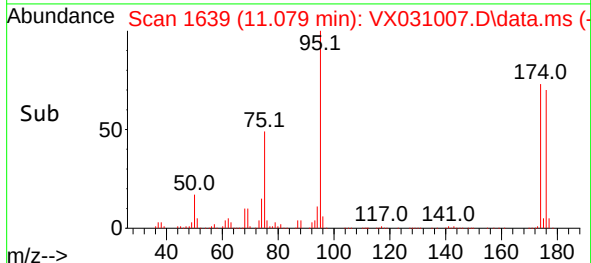
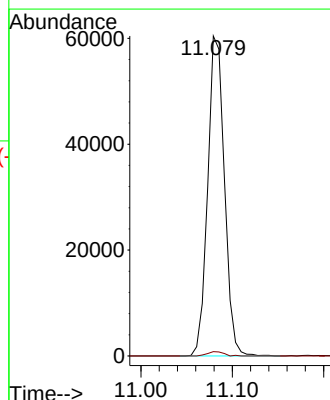
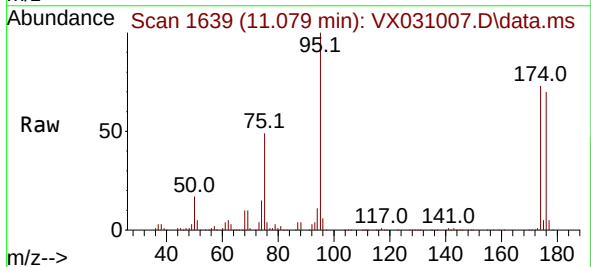
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-13A-8-13-083022

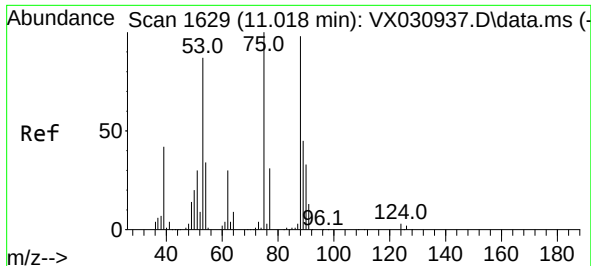
Tgt Ion:152 Resp: 150992
 Ion Ratio Lower Upper
 152 100
 115 57.2 40.5 121.5
 150 160.1 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 20.668 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX031007.D
 Acq: 01 Sep 2022 03:40

Tgt Ion: 75 Resp: 76828
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.8 59.3#

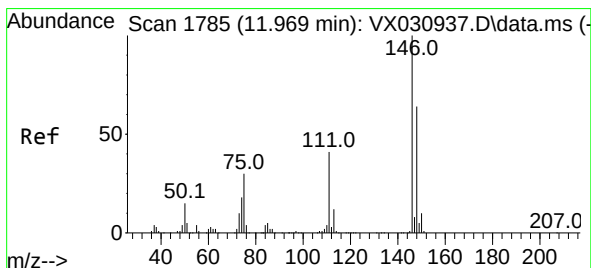
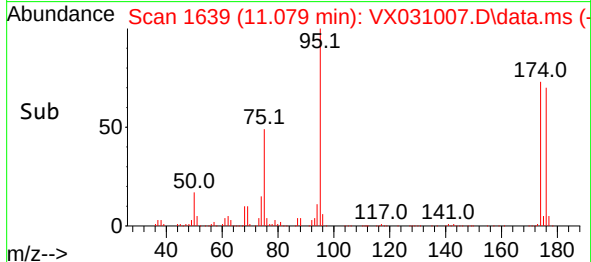
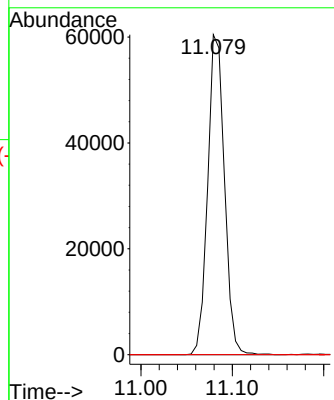
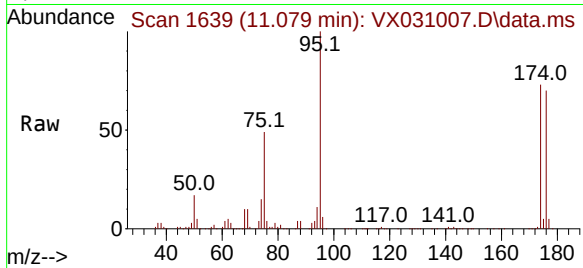




#81
trans-1,4-Dichloro-2-butene
Concen: 61.449 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.055 min
Lab File: VX031007.D
Acq: 01 Sep 2022 03:40

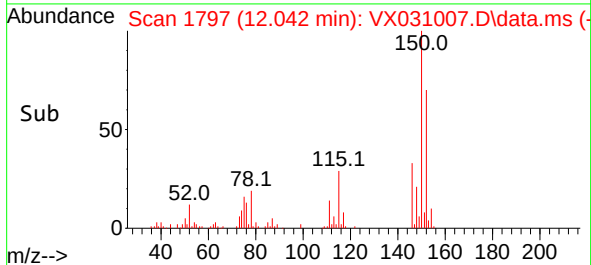
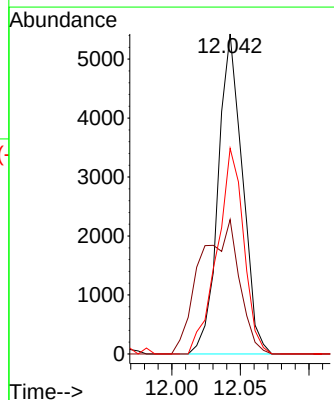
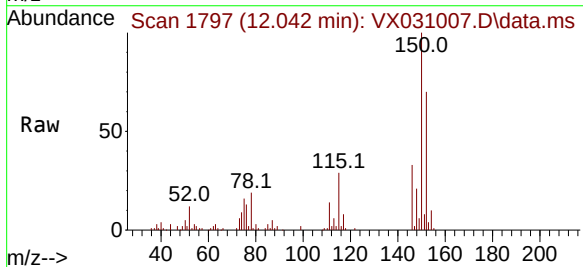
Instrument :
MSVOA_X
ClientSampleId :
MW-13A-8-13-083022

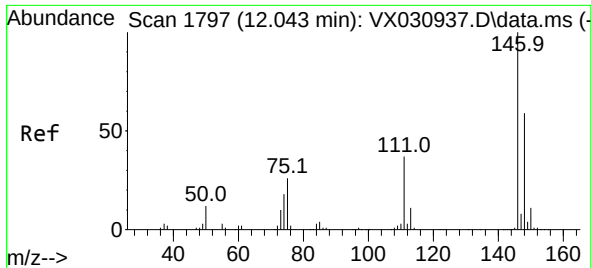
Tgt Ion: 75 Resp: 76828
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#



#87
1,3-Dichlorobenzene
Concen: 1.171 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.073 min
Lab File: VX031007.D
Acq: 01 Sep 2022 03:40

Tgt Ion:146 Resp: 6686
Ion Ratio Lower Upper
146 100
111 67.1 20.3 60.8#
148 70.3 31.8 95.3

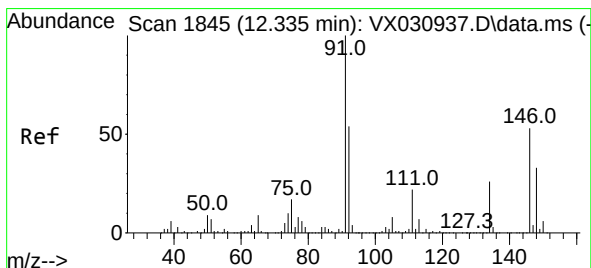
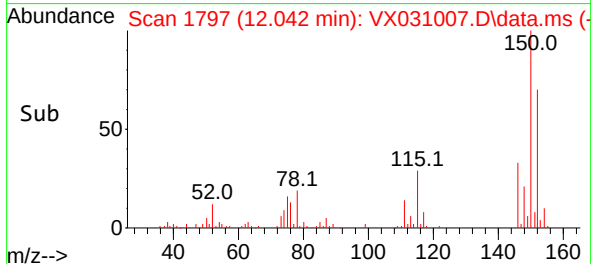
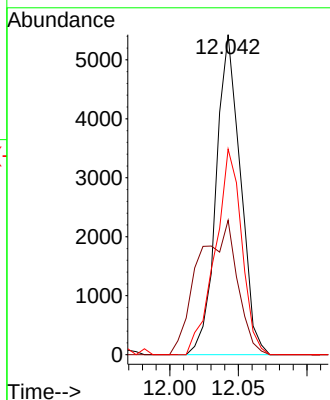
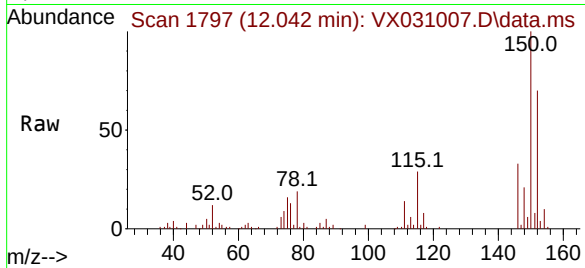




#88
1,4-Dichlorobenzene
Concen: 1.143 ug/l
RT: 12.042 min Scan# 11
Delta R.T. -0.001 min
Lab File: VX031007.D
Acq: 01 Sep 2022 03:40

Instrument :
MSVOA_X
ClientSampleId :
MW-13A-8-13-083022

Tgt Ion:146 Resp: 6686
Ion Ratio Lower Upper
146 100
111 67.1 20.3 60.9#
148 70.3 32.3 96.8



#91
1,2-Dichlorobenzene
Concen: 0.413 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX031007.D
Acq: 01 Sep 2022 03:40

Tgt Ion:146 Resp: 2389
Ion Ratio Lower Upper
146 100
111 36.9 20.7 62.1
148 55.6 32.0 96.2

