

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083122\
 Data File : VX031014.D
 Acq On : 01 Sep 2022 06:23
 Operator : JC/MD
 Sample : N4454-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-10A-7-12-083022

Quant Time: Sep 06 02:34:07 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)

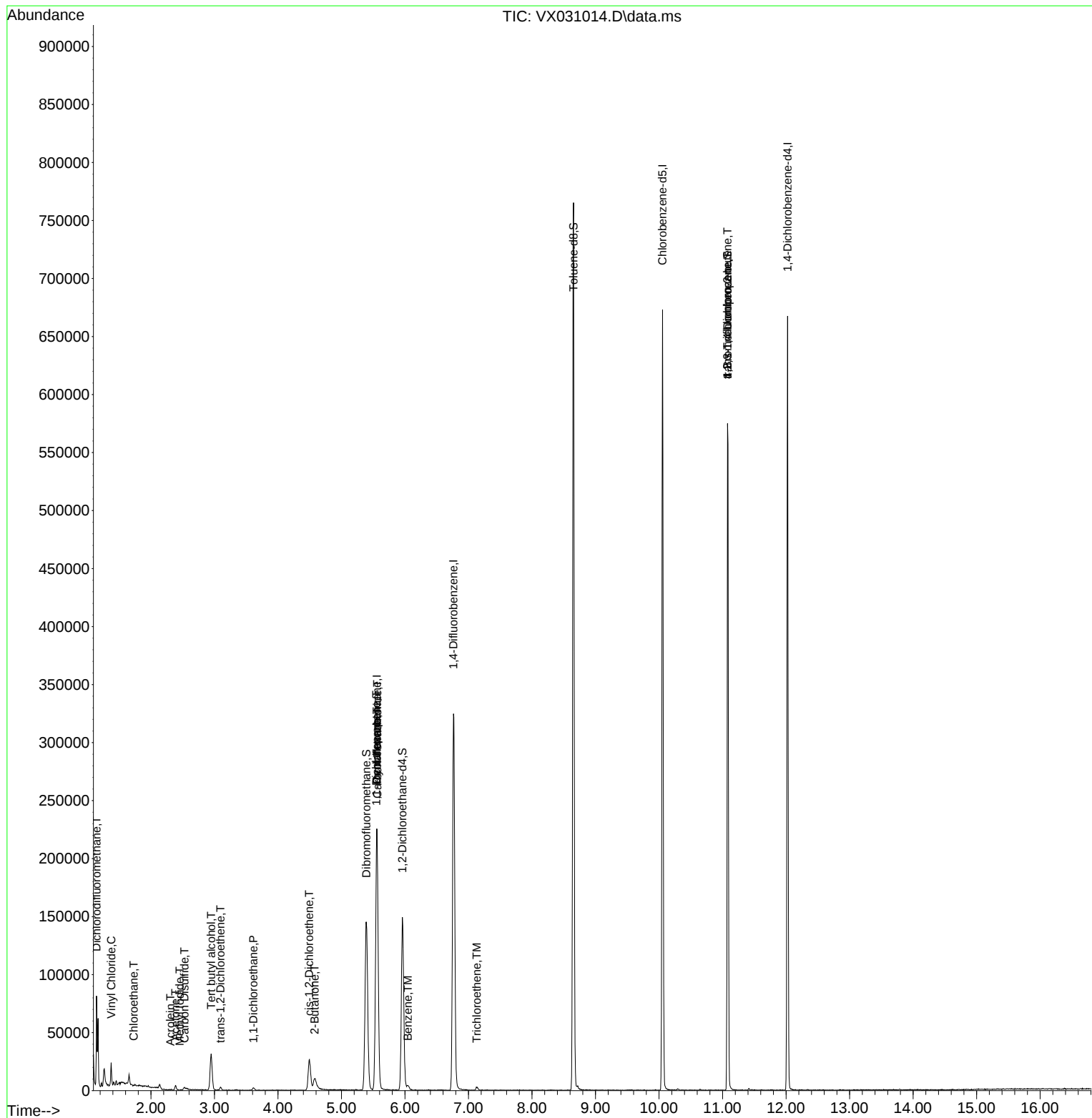
Internal Standards						
1) Pentafluorobenzene	5.556	168	220904	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	366482	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	324329	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	142825	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	139072	43.893	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.780%
35) Dibromofluoromethane	5.391	113	136249	50.434	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.860%
50) Toluene-d8	8.653	98	488036	48.781	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.560%
62) 4-Bromofluorobenzene	11.079	95	164130	46.069	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.140%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.142	85	2973	1.272	ug/l	91
4) Vinyl Chloride	1.374	62	11005	3.955	ug/l	96
5) Bromomethane	1.617	94	217	Below Cal	#	42
6) Chloroethane	1.727	64	479	0.286	ug/l #	46
10) Methyl Iodide	2.453	142	101	4.413	ug/l #	45
11) Tert butyl alcohol	2.947	59	17460	23.260	ug/l #	77
13) Acrolein	2.306	56	41	7.378	ug/l #	14
16) Acetone	2.386	43	4145	2.899	ug/l	97
17) Carbon Disulfide	2.526	76	4581	0.647	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	1042	0.358	ug/l #	76
24) 1,1-Dichloroethane	3.611	63	2494	0.475	ug/l #	92
25) 2-Butanone	4.574	43	549	0.237	ug/l #	85
27) cis-1,2-Dichloroethene	4.489	96	18355	5.472	ug/l	89
31) Cyclohexane	5.556	56	3654	0.779	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	16630	4.142	ug/l #	49
38) Carbon Tetrachloride	5.562	117	21298	5.572	ug/l #	17
40) Benzene	6.044	78	4481	0.387	ug/l	95
44) Trichloroethene	7.129	130	1192	0.350	ug/l	84
76) 1,2,3-Trichloropropane	11.079	75	75597	21.500	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	75597	63.922	ug/l #	13

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

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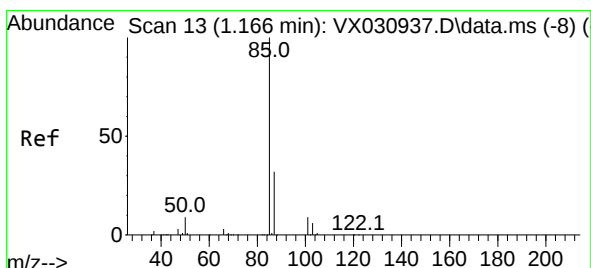
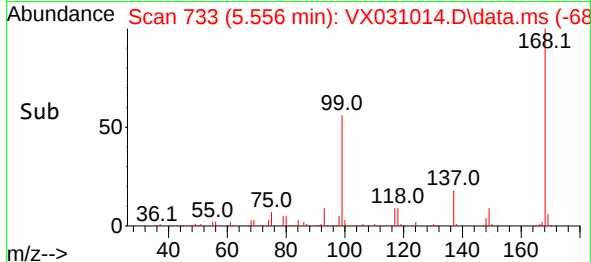
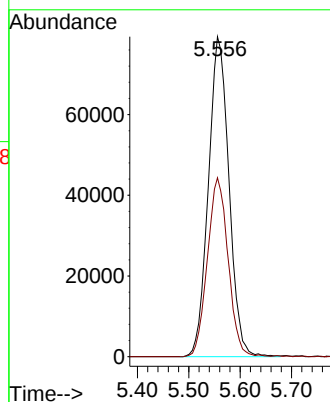
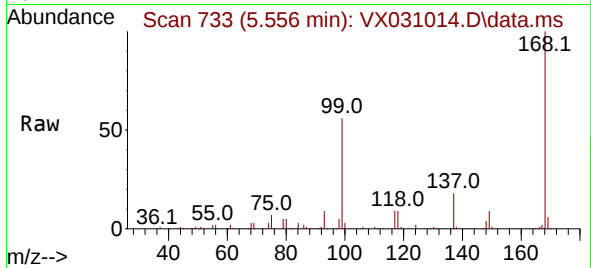




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031014.D
Acq: 01 Sep 2022 06:23

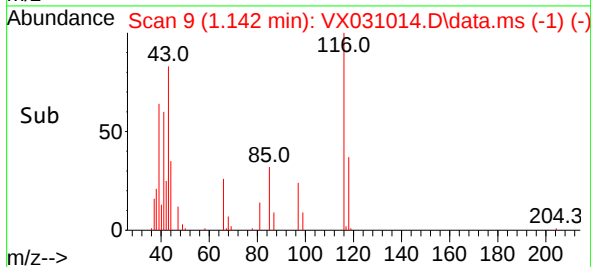
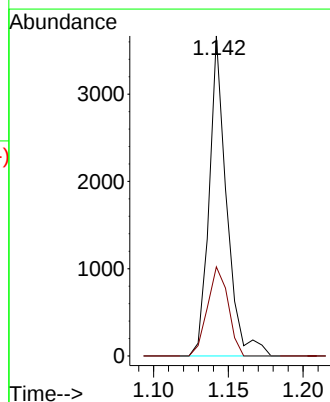
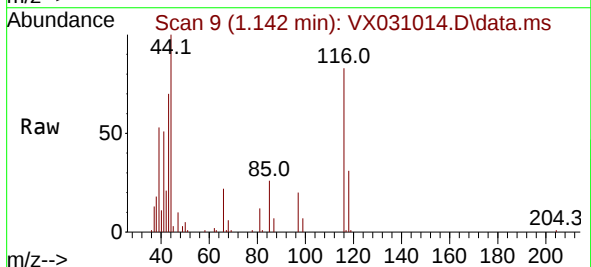
Instrument :
MSVOA_X
ClientSampleId :
MW-10A-7-12-083022

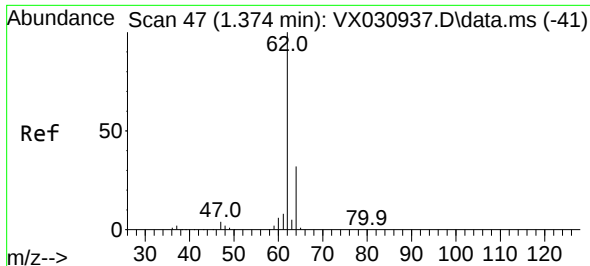
Tgt Ion:168 Resp: 220904
Ion Ratio Lower Upper
168 100
99 55.9 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 1.272 ug/l
RT: 1.142 min Scan# 9
Delta R.T. -0.024 min
Lab File: VX031014.D
Acq: 01 Sep 2022 06:23

Tgt Ion: 85 Resp: 2973
Ion Ratio Lower Upper
85 100
87 27.8 16.5 49.5

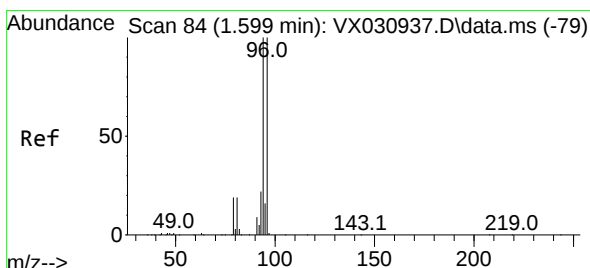
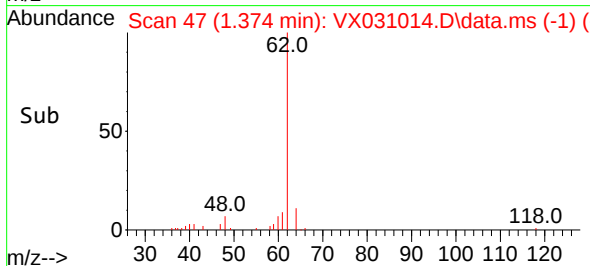
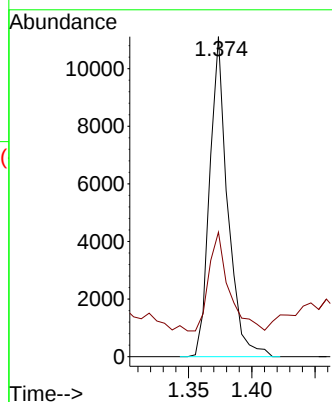
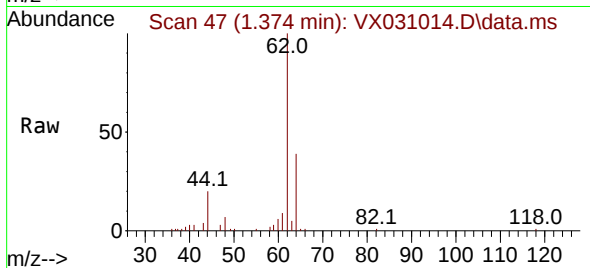




#4
 Vinyl Chloride
 Concen: 3.955 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX031014.D
 Acq: 01 Sep 2022 06:23

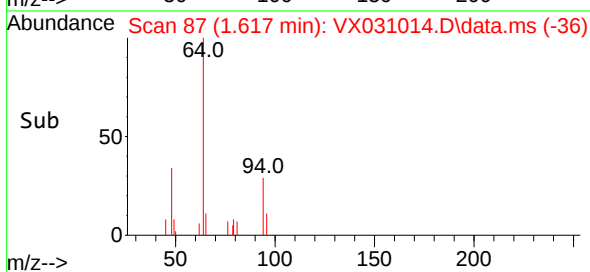
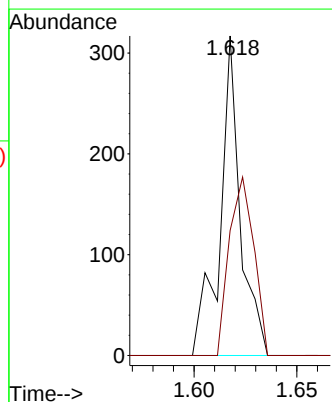
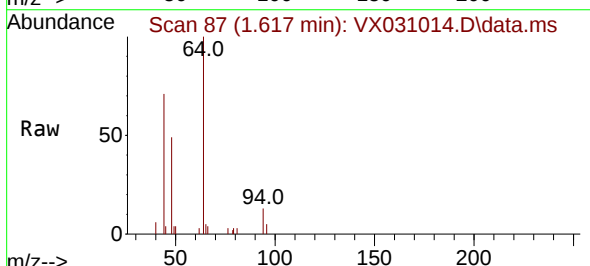
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-10A-7-12-083022

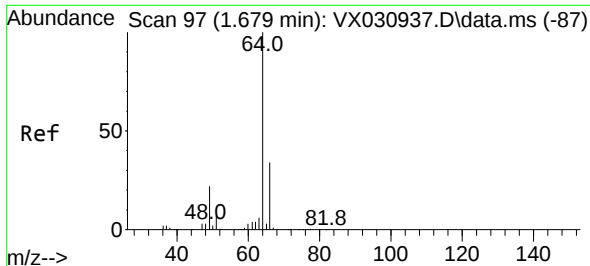
Tgt Ion: 62 Resp: 11005
 Ion Ratio Lower Upper
 62 100
 64 29.2 25.2 37.8



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.617 min Scan# 87
 Delta R.T. 0.012 min
 Lab File: VX031014.D
 Acq: 01 Sep 2022 06:23

Tgt Ion: 94 Resp: 217
 Ion Ratio Lower Upper
 94 100
 96 39.1 76.9 115.3#

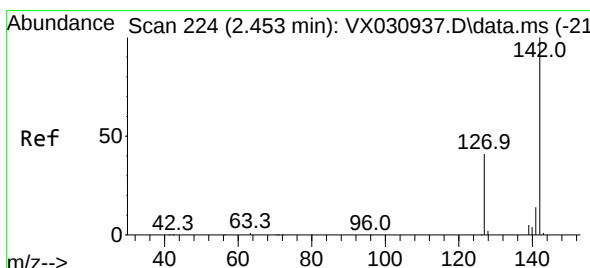
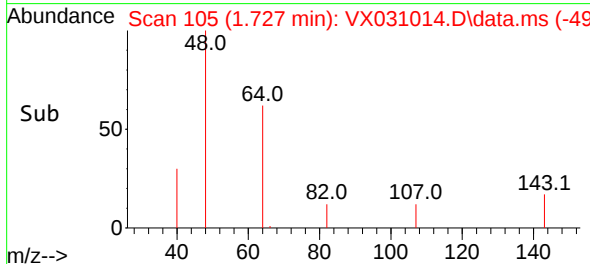
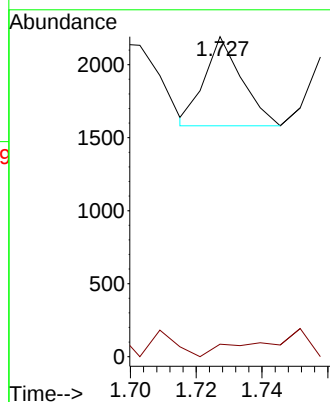
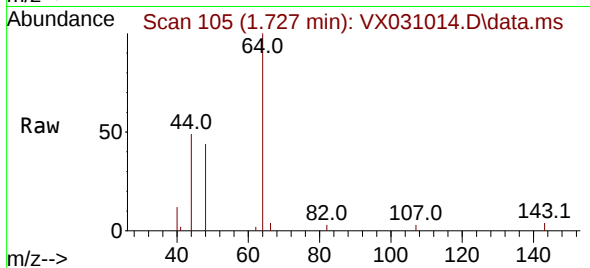




#6
Chloroethane
Concen: 0.286 ug/l
RT: 1.727 min Scan# 105
Delta R.T. 0.042 min
Lab File: VX031014.D
Acq: 01 Sep 2022 06:23

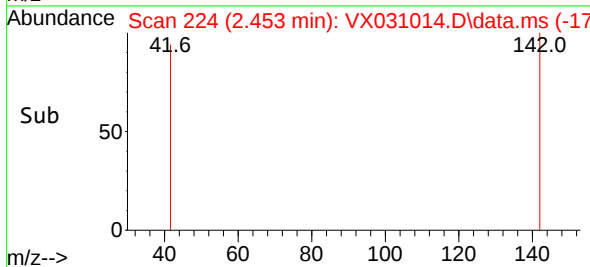
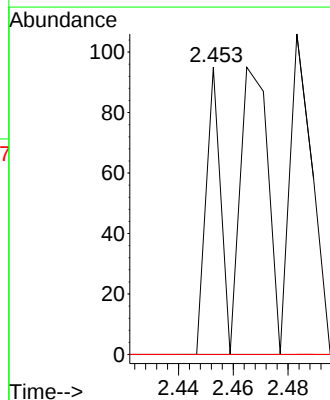
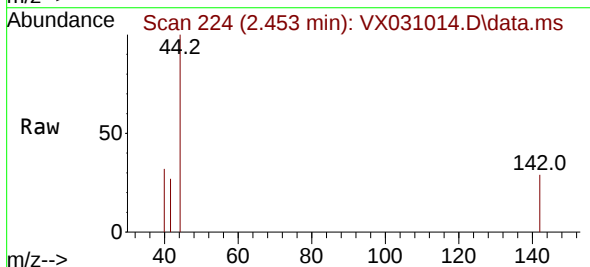
Instrument :
MSVOA_X
ClientSampleId :
MW-10A-7-12-083022

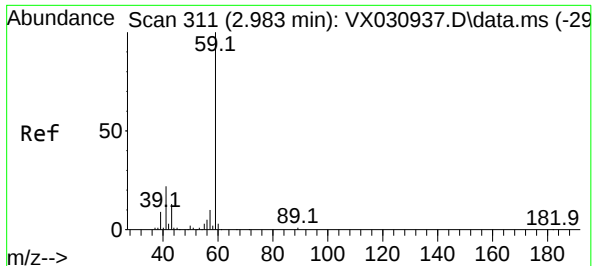
Tgt Ion: 64 Resp: 479
Ion Ratio Lower Upper
64 100
66 2.8 27.2 40.8#



#10
Methyl Iodide
Concen: 4.413 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX031014.D
Acq: 01 Sep 2022 06:23

Tgt Ion: 142 Resp: 101
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#





#11

Tert butyl alcohol

Concen: 23.260 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.042 min

Lab File: VX031014.D

Acq: 01 Sep 2022 06:23

Instrument :

MSVOA_X

ClientSampleId :

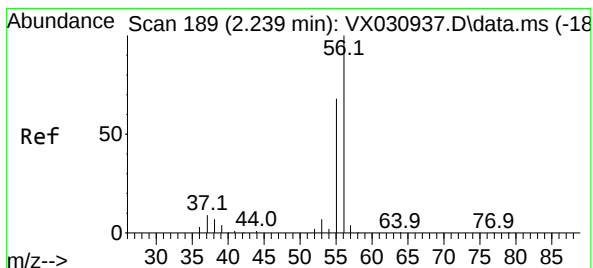
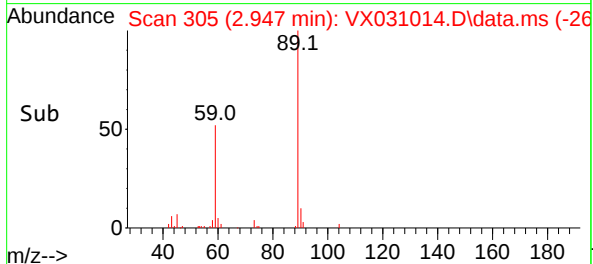
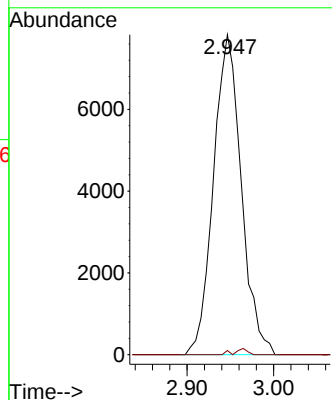
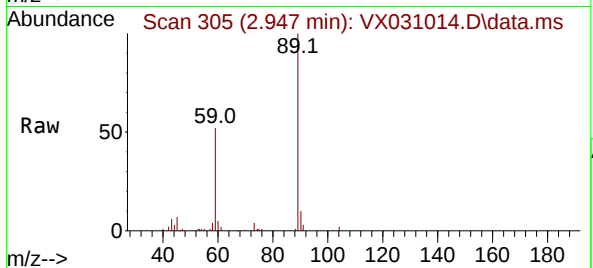
MW-10A-7-12-083022

Tgt Ion: 59 Resp: 17460

Ion Ratio Lower Upper

59 100

57 0.9 7.4 11.2#



#13

Acrolein

Concen: 7.378 ug/l

RT: 2.306 min Scan# 200

Delta R.T. 0.067 min

Lab File: VX031014.D

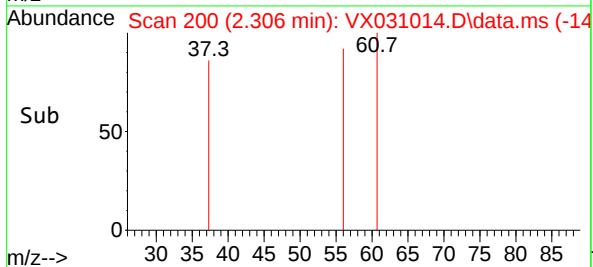
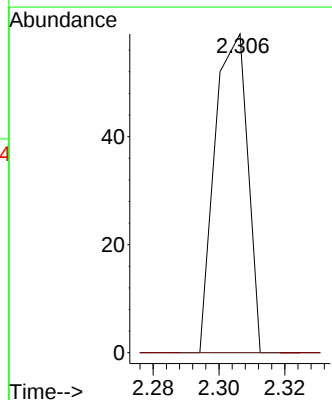
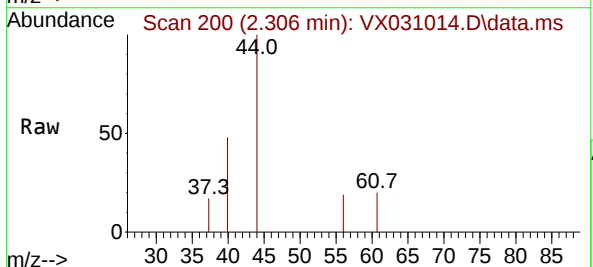
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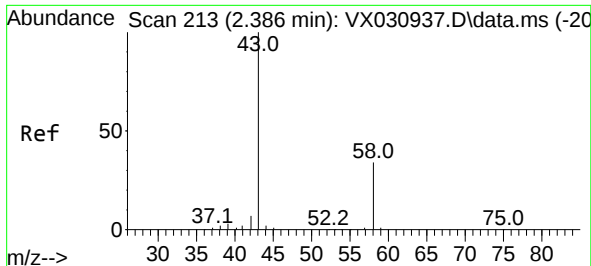
Tgt Ion: 56 Resp: 41

Ion Ratio Lower Upper

56 100

55 0.0 56.6 84.8#

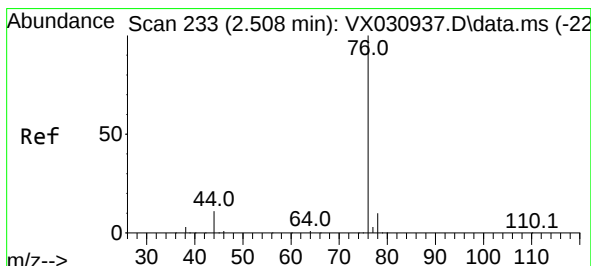
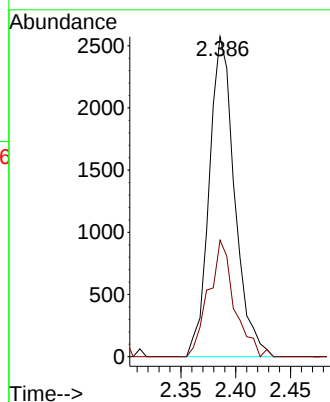
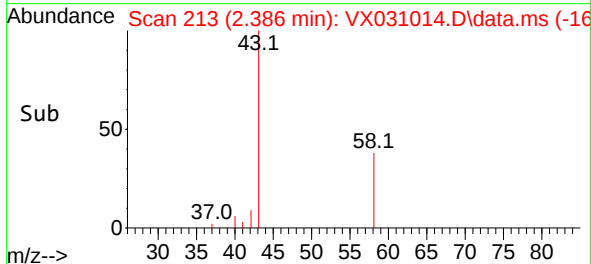
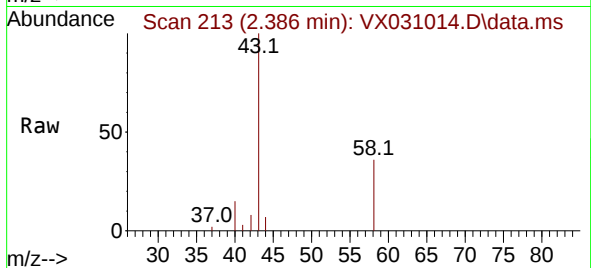




#16
Acetone
Concen: 2.899 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX031014.D
Acq: 01 Sep 2022 06:23

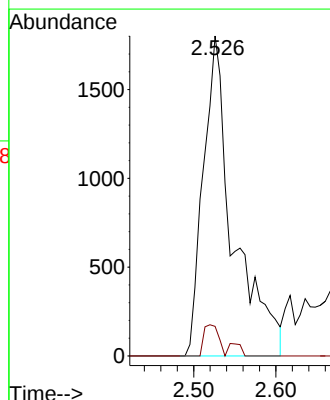
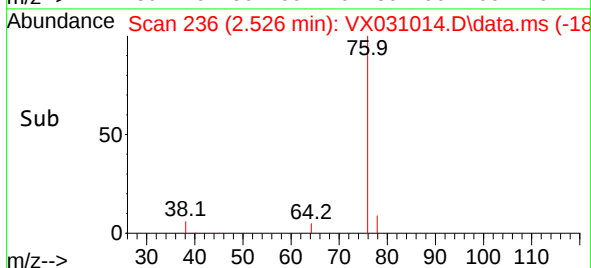
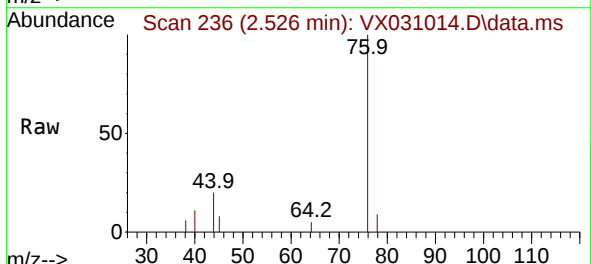
Instrument :
MSVOA_X
ClientSampleId :
MW-10A-7-12-083022

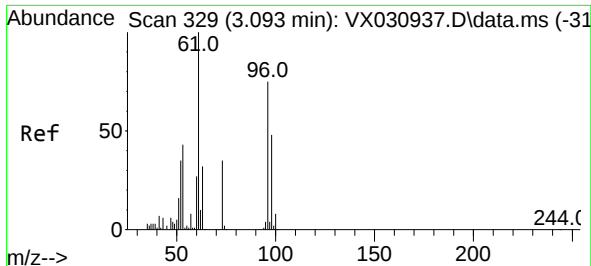
Tgt Ion: 43 Resp: 4145
Ion Ratio Lower Upper
43 100
58 36.4 27.7 41.5



#17
Carbon Disulfide
Concen: 0.647 ug/l
RT: 2.526 min Scan# 236
Delta R.T. 0.012 min
Lab File: VX031014.D
Acq: 01 Sep 2022 06:23

Tgt Ion: 76 Resp: 4581
Ion Ratio Lower Upper
76 100
78 9.3 7.8 11.6

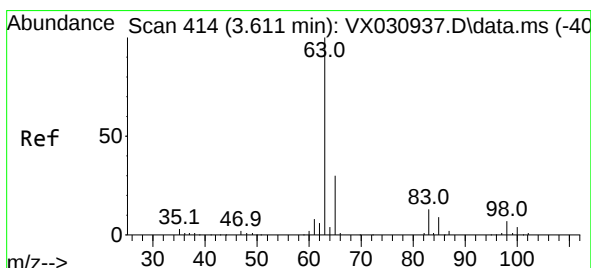
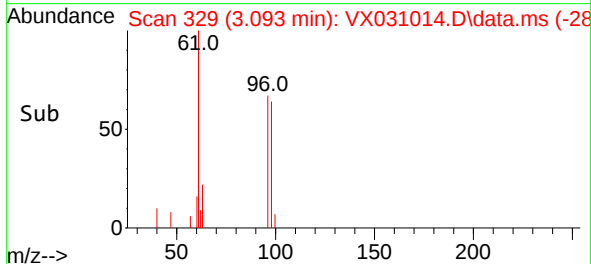
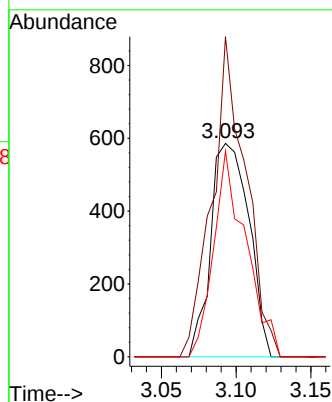
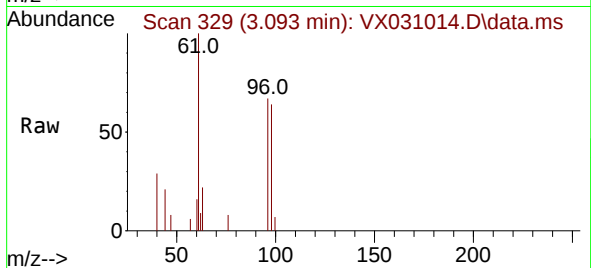




#21
trans-1,2-Dichloroethene
Concen: 0.358 ug/l
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX031014.D
Acq: 01 Sep 2022 06:23

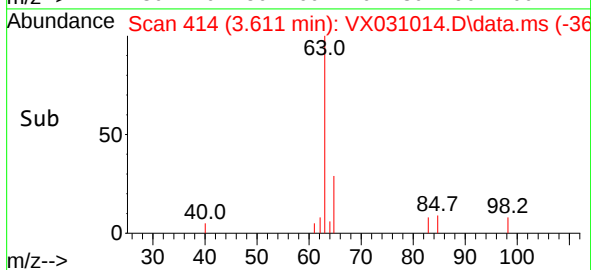
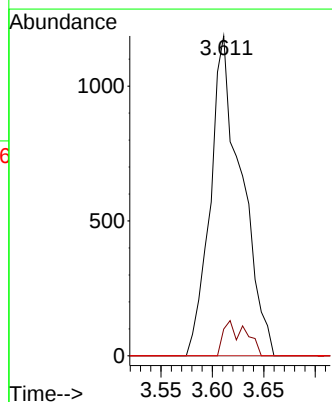
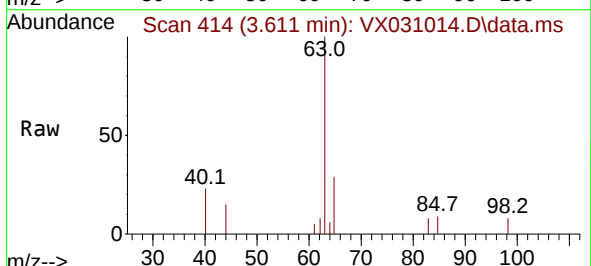
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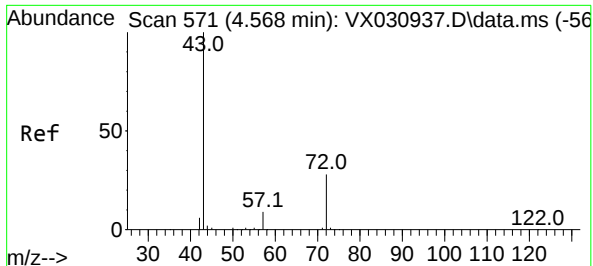
Tgt Ion: 96 Resp: 1042
Ion Ratio Lower Upper
96 100
61 150.0 105.6 158.4
98 96.4 50.1 75.1#



#24
1,1-Dichloroethane
Concen: 0.475 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX031014.D
Acq: 01 Sep 2022 06:23

Tgt Ion: 63 Resp: 2494
Ion Ratio Lower Upper
63 100
98 8.3 3.5 10.5
100 0.0 2.3 6.9#





#25

2-Butanone

Concen: 0.237 ug/l

RT: 4.574 min Scan# 5

Delta R.T. 0.006 min

Lab File: VX031014.D

Acq: 01 Sep 2022 06:23

Instrument :

MSVOA_X

ClientSampleId :

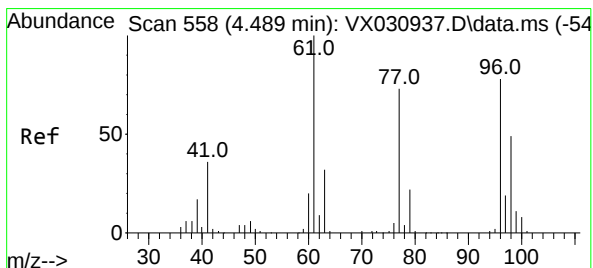
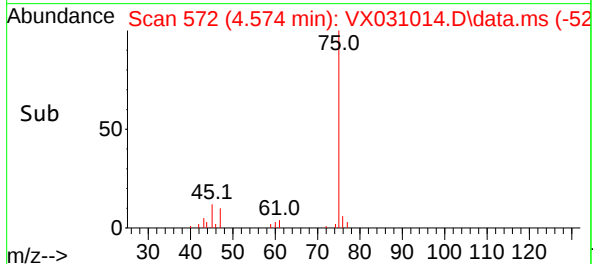
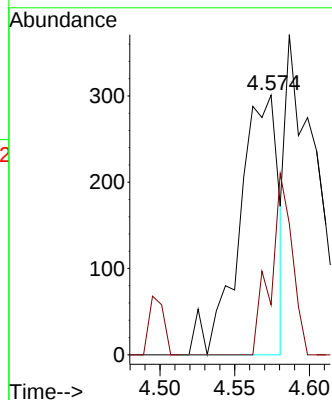
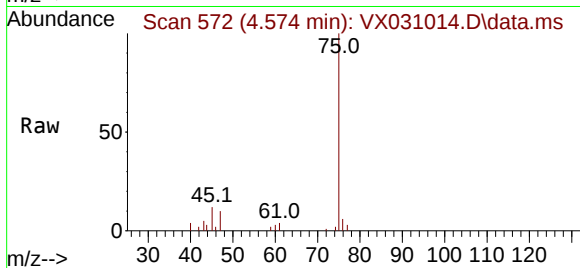
MW-10A-7-12-083022

Tgt Ion: 43 Resp: 549

Ion Ratio Lower Upper

43 100

72 19.3 21.7 32.5#



#27

cis-1,2-Dichloroethene

Concen: 5.472 ug/l

RT: 4.489 min Scan# 558

Delta R.T. -0.000 min

Lab File: VX031014.D

Acq: 01 Sep 2022 06:23

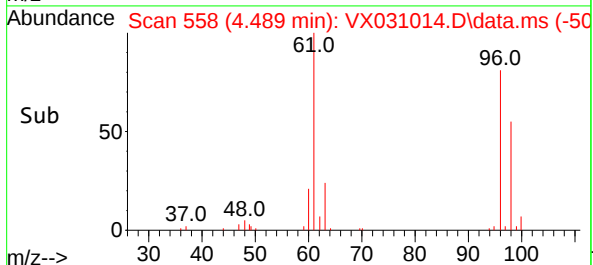
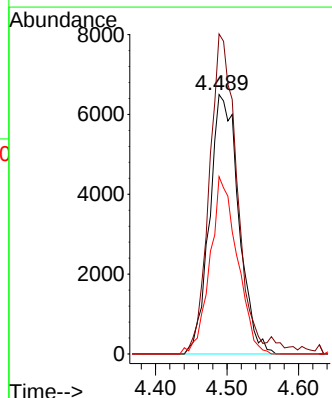
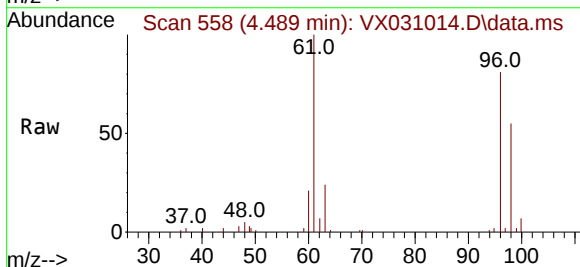
Tgt Ion: 96 Resp: 18355

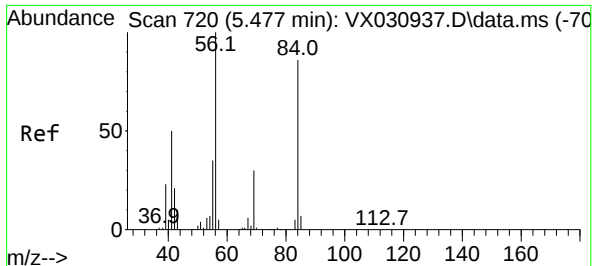
Ion Ratio Lower Upper

96 100

61 115.3 0.0 270.0

98 63.9 0.0 127.8

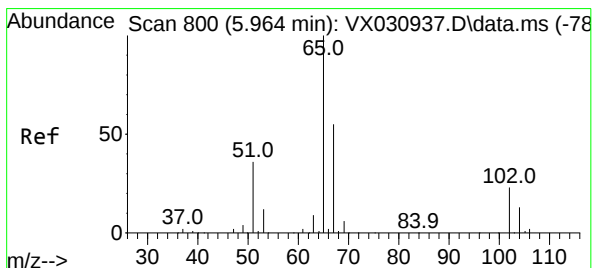
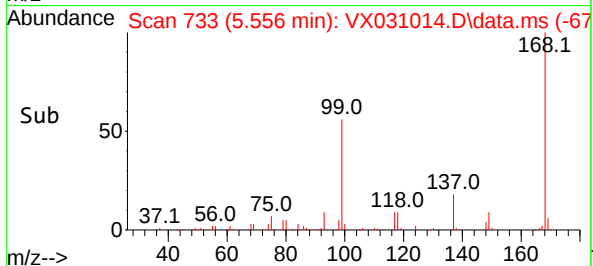
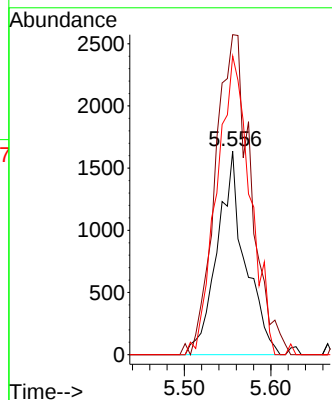
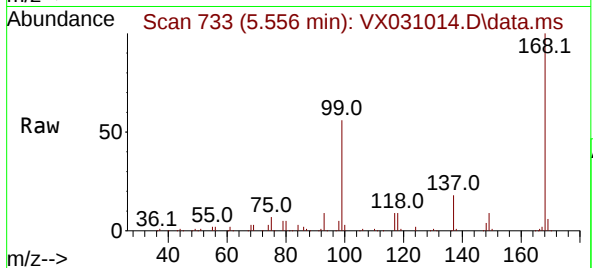




#31
Cyclohexane
Concen: 0.779 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX031014.D
Acq: 01 Sep 2022 06:23

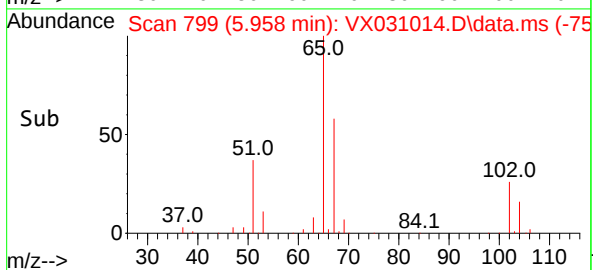
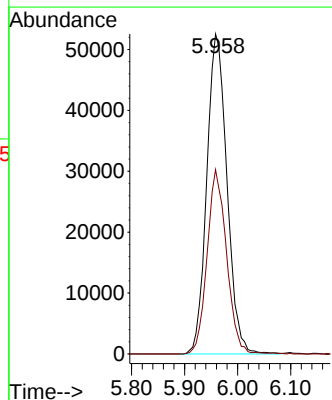
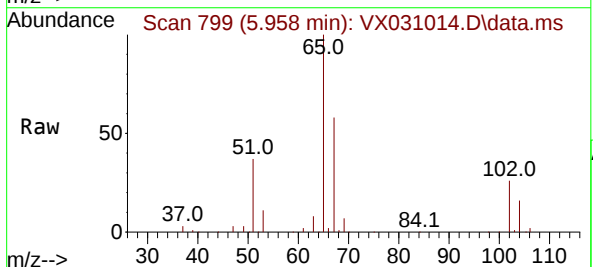
Instrument :
MSVOA_X
ClientSampleId :
MW-10A-7-12-083022

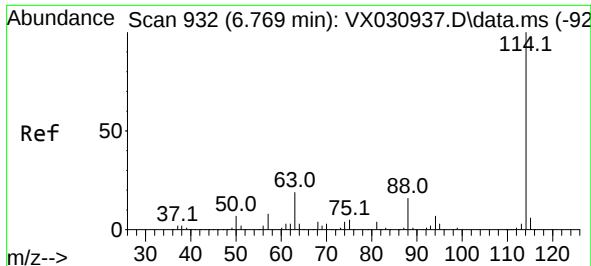
Tgt Ion: 56 Resp: 3654
Ion Ratio Lower Upper
56 100
69 157.2 25.4 38.0#
84 146.7 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 43.893 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031014.D
Acq: 01 Sep 2022 06:23

Tgt Ion: 65 Resp: 139072
Ion Ratio Lower Upper
65 100
67 55.3 0.0 109.6

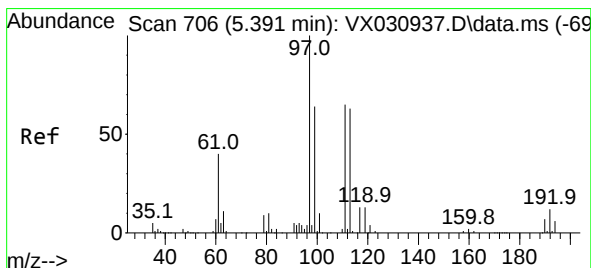
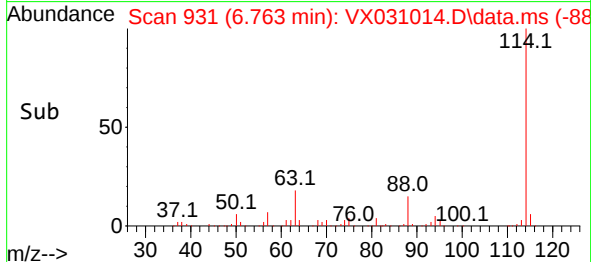
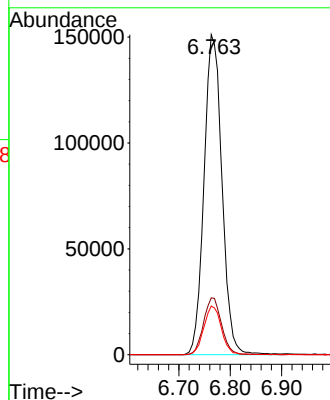
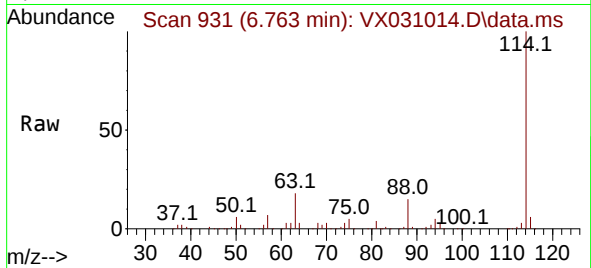




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX031014.D
Acq: 01 Sep 2022 06:23

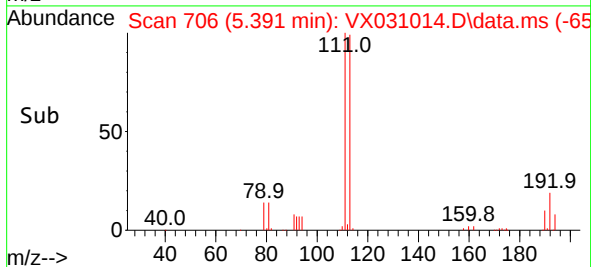
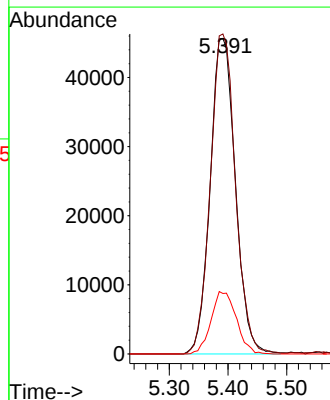
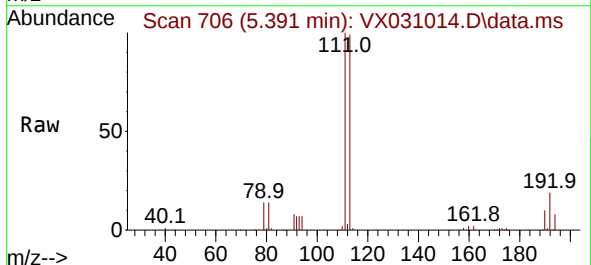
Instrument :
MSVOA_X
ClientSampleId :
MW-10A-7-12-083022

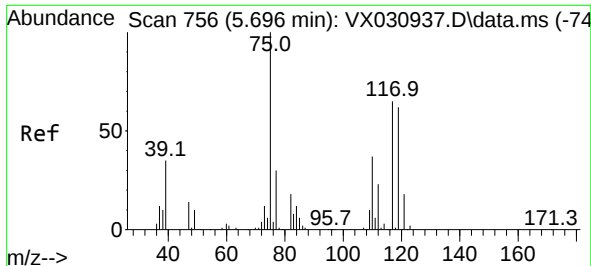
Tgt Ion:114 Resp: 366482
Ion Ratio Lower Upper
114 100
63 17.8 0.0 38.4
88 15.2 0.0 31.8



#35
Dibromofluoromethane
Concen: 50.434 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX031014.D
Acq: 01 Sep 2022 06:23

Tgt Ion:113 Resp: 136249
Ion Ratio Lower Upper
113 100
111 100.7 83.2 124.8
192 19.8 14.8 22.2

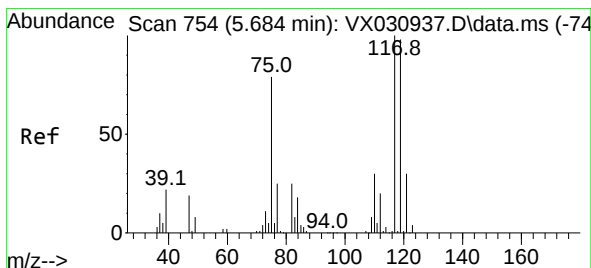
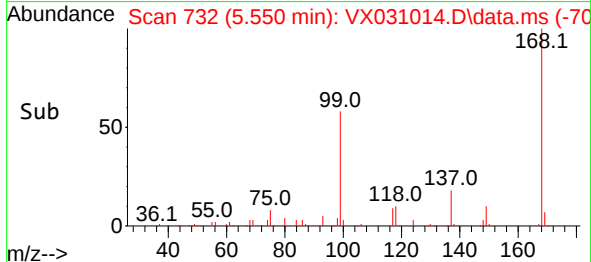
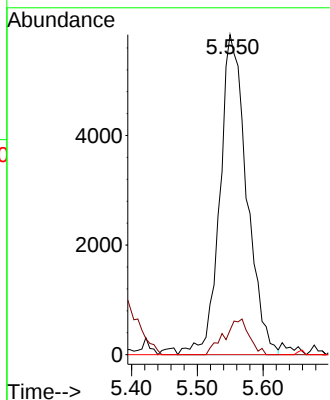
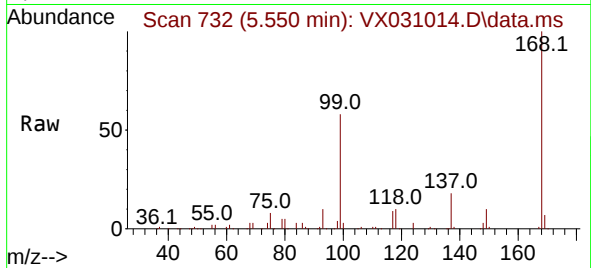




#36
1,1-Dichloropropene
Concen: 4.142 ug/l
RT: 5.550 min Scan# 713
Delta R.T. -0.146 min
Lab File: VX031014.D
Acq: 01 Sep 2022 06:23

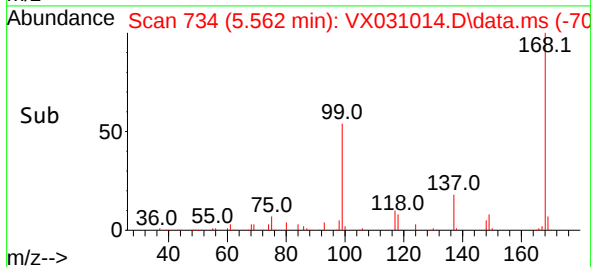
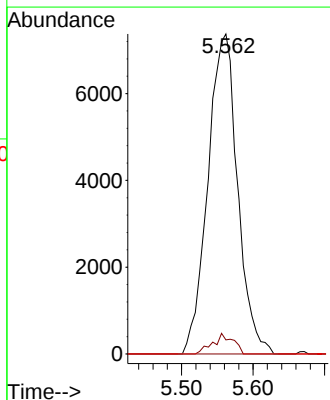
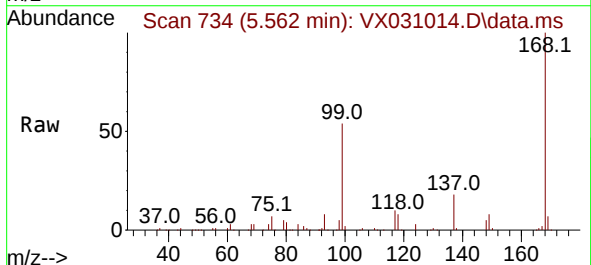
Instrument :
MSVOA_X
ClientSampleId :
MW-10A-7-12-083022

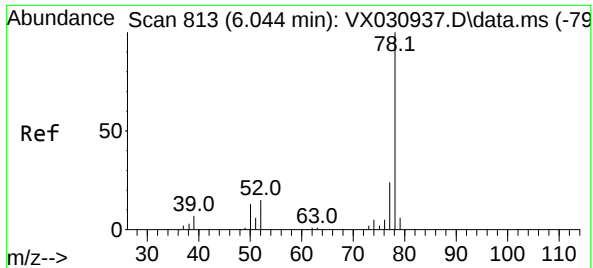
Tgt Ion: 75 Resp: 16630
Ion Ratio Lower Upper
75 100
110 10.3 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.572 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX031014.D
Acq: 01 Sep 2022 06:23

Tgt Ion: 117 Resp: 21298
Ion Ratio Lower Upper
117 100
119 4.4 74.1 111.1#
121 0.0 25.8 38.8#

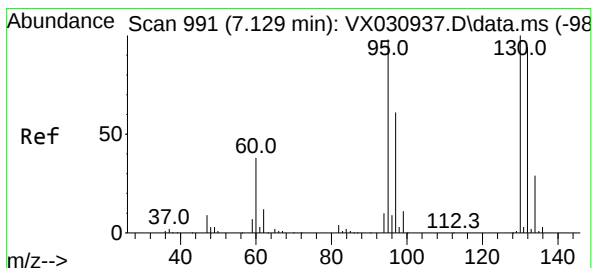
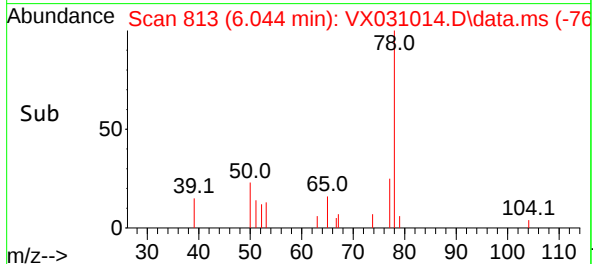
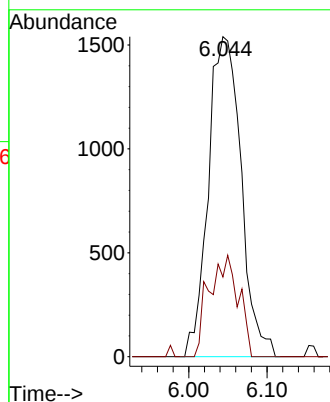
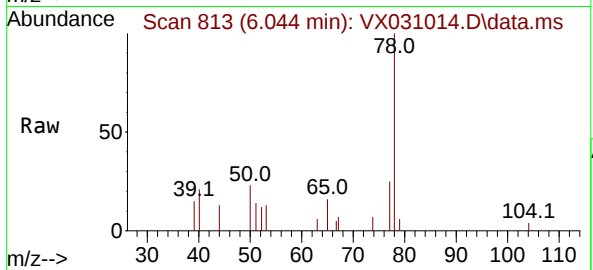




#40
Benzene
Concen: 0.387 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX031014.D
Acq: 01 Sep 2022 06:23

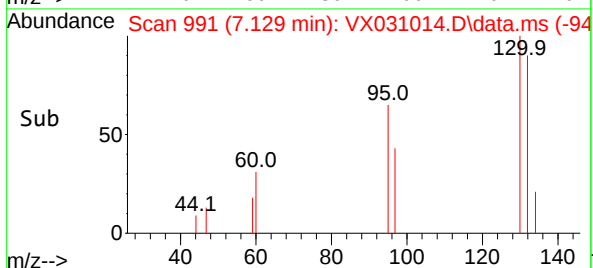
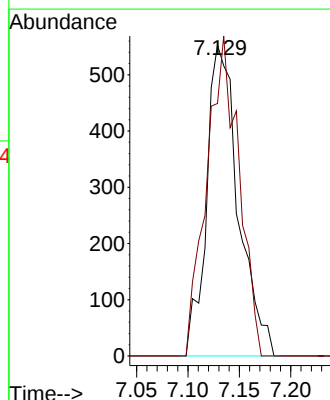
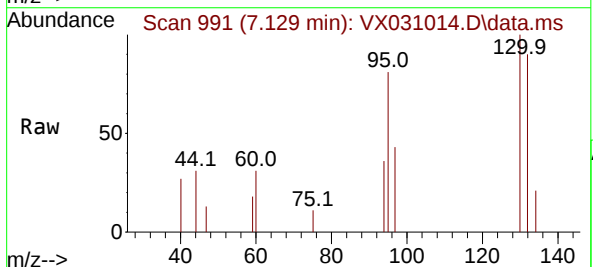
Instrument :
MSVOA_X
ClientSampleId :
MW-10A-7-12-083022

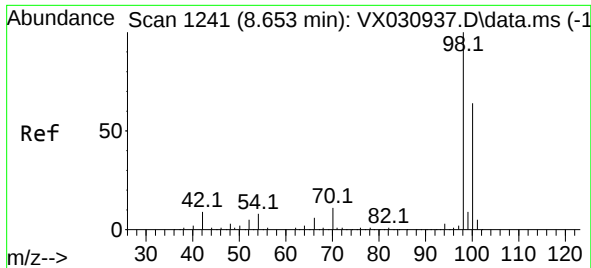
Tgt Ion: 78 Resp: 4481
Ion Ratio Lower Upper
78 100
77 24.9 18.0 27.0



#44
Trichloroethene
Concen: 0.350 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX031014.D
Acq: 01 Sep 2022 06:23

Tgt Ion:130 Resp: 1192
Ion Ratio Lower Upper
130 100
95 81.2 0.0 194.8

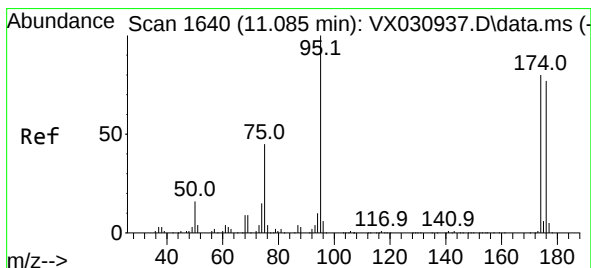
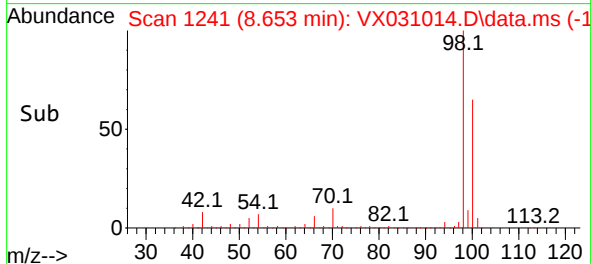
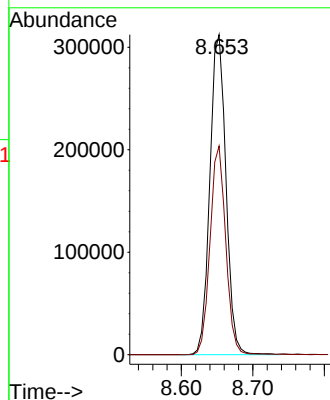
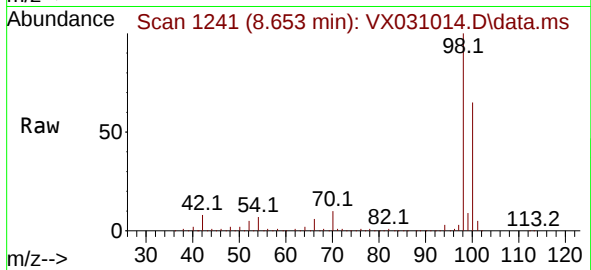




#50
Toluene-d8
Concen: 48.781 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031014.D
Acq: 01 Sep 2022 06:23

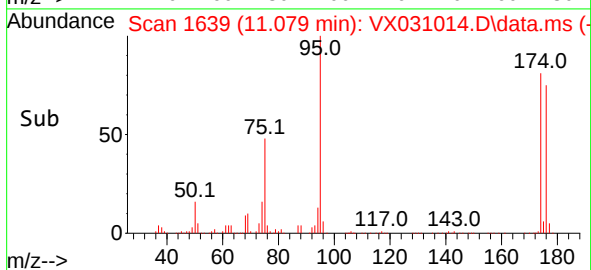
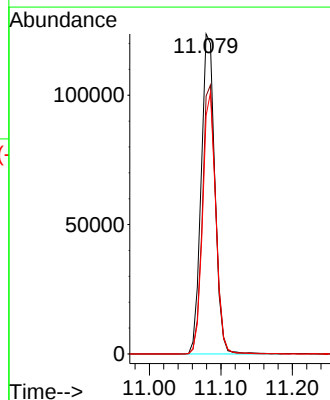
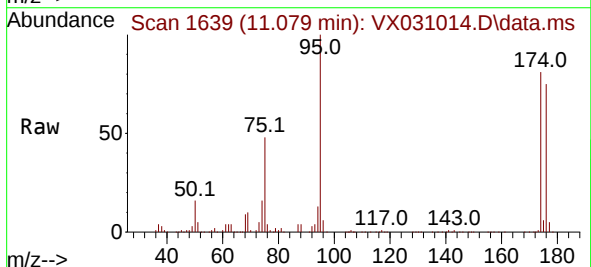
Instrument :
MSVOA_X
ClientSampleId :
MW-10A-7-12-083022

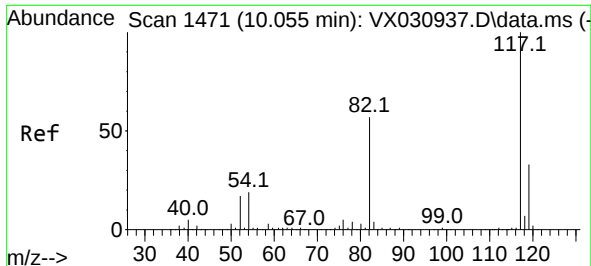
Tgt Ion: 98 Resp: 488036
Ion Ratio Lower Upper
98 100
100 63.7 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 46.069 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX031014.D
Acq: 01 Sep 2022 06:23

Tgt Ion: 95 Resp: 164130
Ion Ratio Lower Upper
95 100
174 82.1 0.0 149.0
176 78.4 0.0 146.0

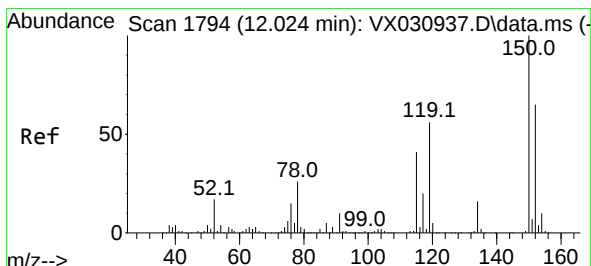
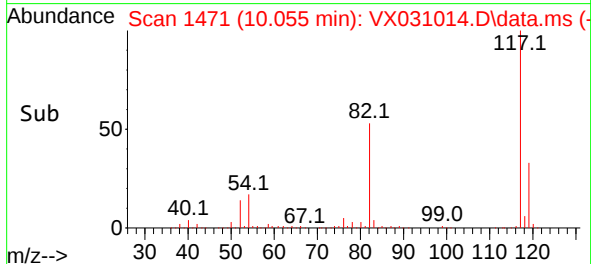
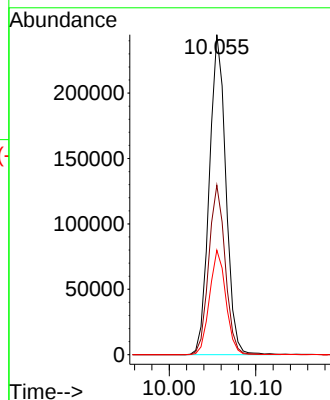
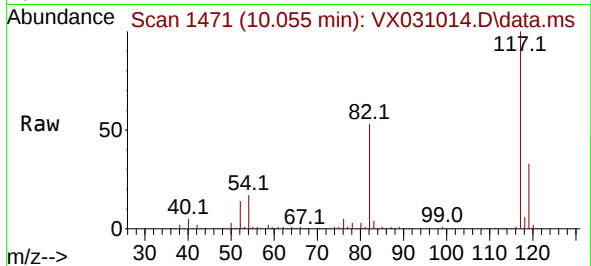




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031014.D
Acq: 01 Sep 2022 06:23

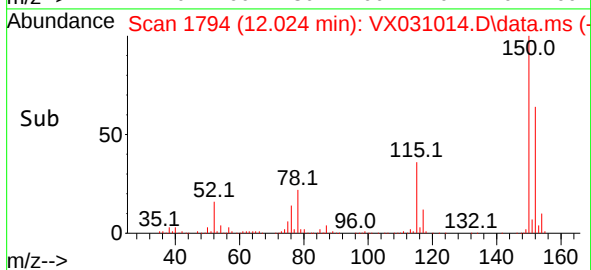
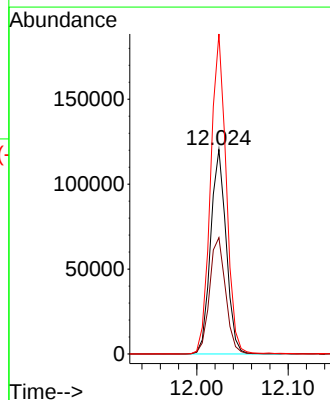
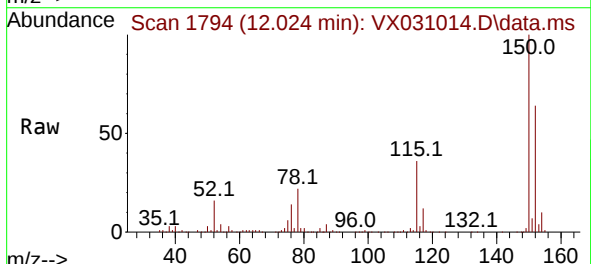
Instrument :
MSVOA_X
ClientSampleId :
MW-10A-7-12-083022

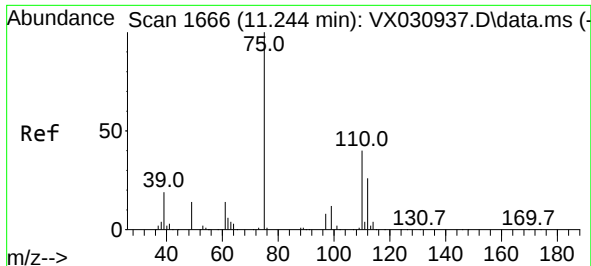
Tgt Ion:117 Resp: 324329
Ion Ratio Lower Upper
117 100
82 52.9 42.7 64.1
119 32.7 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031014.D
Acq: 01 Sep 2022 06:23

Tgt Ion:152 Resp: 142825
Ion Ratio Lower Upper
152 100
115 58.7 40.5 121.5
150 157.2 0.0 347.0

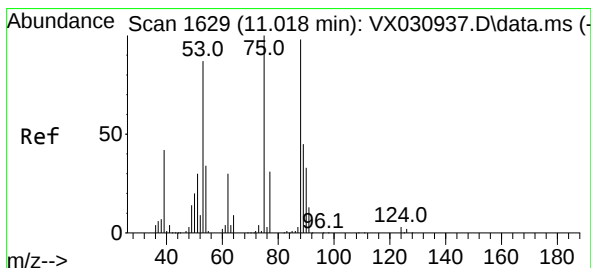
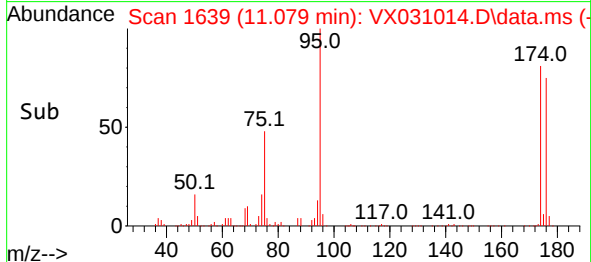
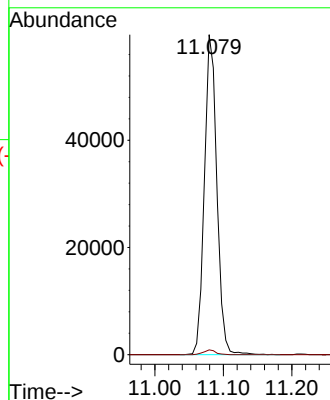
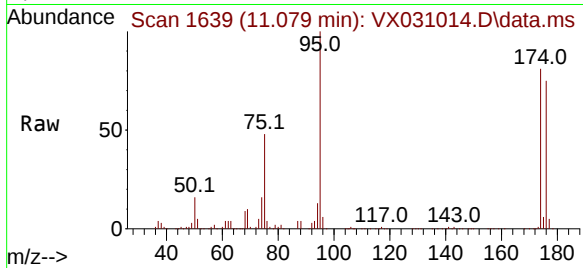




#76
1,2,3-Trichloropropane
Concen: 21.500 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX031014.D
Acq: 01 Sep 2022 06:23

Instrument :
MSVOA_X
ClientSampleId :
MW-10A-7-12-083022

Tgt Ion: 75 Resp: 75597
Ion Ratio Lower Upper
75 100
77 1.5 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.922 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.055 min
Lab File: VX031014.D
Acq: 01 Sep 2022 06:23

Tgt Ion: 75 Resp: 75597
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.1 34.8 52.2#

