

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112922\
 Data File : VX033114.D
 Acq On : 29 Nov 2022 13:47
 Operator : JC/MD
 Sample : N5741-18RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-37

Quant Time: Nov 30 01:02:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

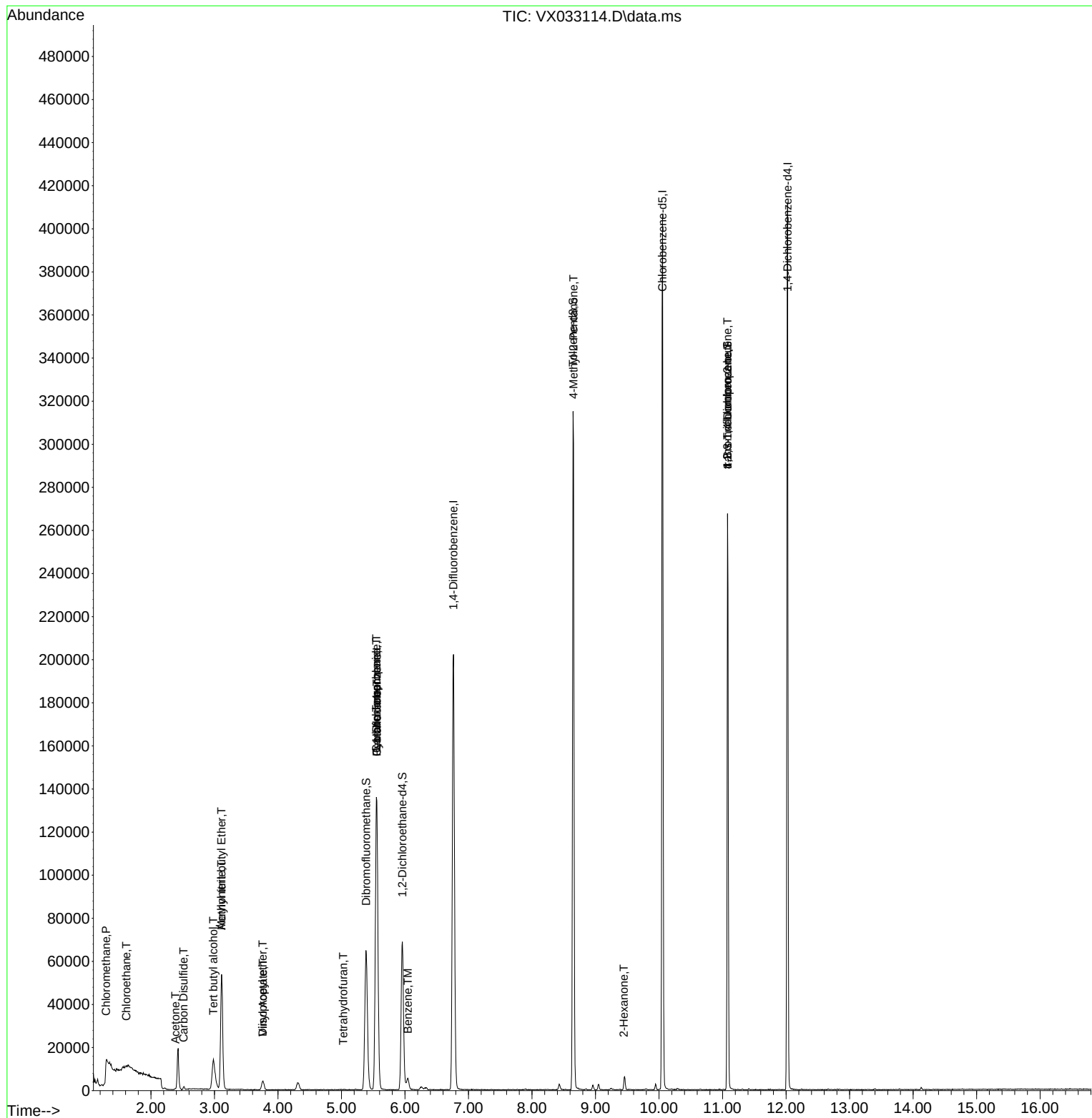
Internal Standards						
1) Pentafluorobenzene	5.556	168	129138	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	206806	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	180649	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	84568	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	69834	55.699	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	111.400%
35) Dibromofluoromethane	5.385	113	55599	47.688	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.380%
50) Toluene-d8	8.647	98	186193	53.216	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	106.440%
62) 4-Bromofluorobenzene	11.079	95	66625	43.502	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	635	0.596	ug/l #	43
6) Chloroethane	1.611	64	377	0.390	ug/l #	68
11) Tert butyl alcohol	2.983	59	23771	119.239	ug/l	98
15) Acrylonitrile	3.111	53	681	1.208	ug/l #	20
16) Acetone	2.386	43	741	1.262	ug/l	99
17) Carbon Disulfide	2.514	76	1991	0.639	ug/l #	95
19) Methyl tert-butyl Ether	3.111	73	57781	14.784	ug/l	95
22) Diisopropyl ether	3.757	45	4455	1.125	ug/l #	80
23) Vinyl Acetate	3.764	43	2443	0.788	ug/l #	72
29) Tetrahydrofuran	5.025	42	132	0.257	ug/l #	31
31) Cyclohexane	5.556	56	2811	1.379	ug/l #	30
36) 1,1-Dichloropropene	5.550	75	10100	5.418	ug/l #	49
38) Carbon Tetrachloride	5.550	117	13470	6.513	ug/l #	15
40) Benzene	6.044	78	6138	1.174	ug/l	94
51) 4-Methyl-2-Pentanone	8.653	43	810	0.488	ug/l #	1
59) 2-Hexanone	9.445	43	473	0.386	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	35941	22.441	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	35941	72.943	ug/l #	6

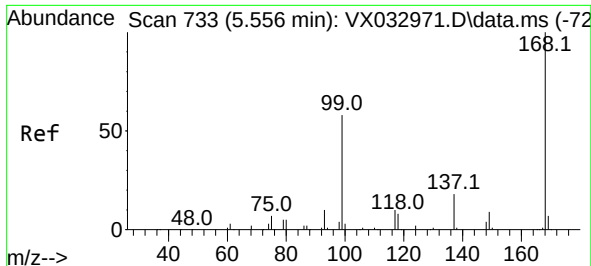
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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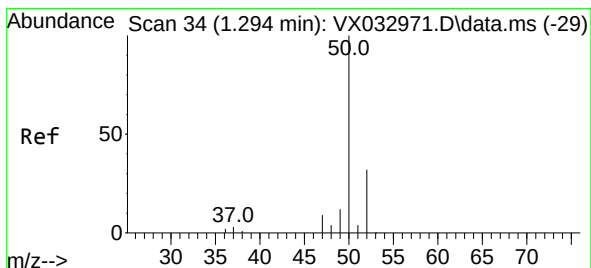
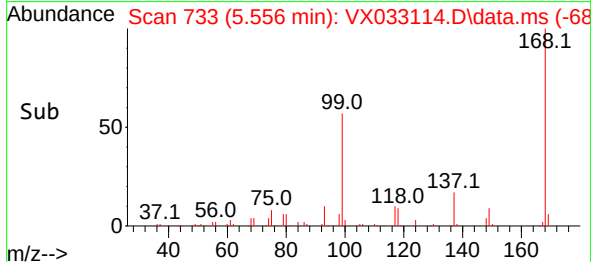
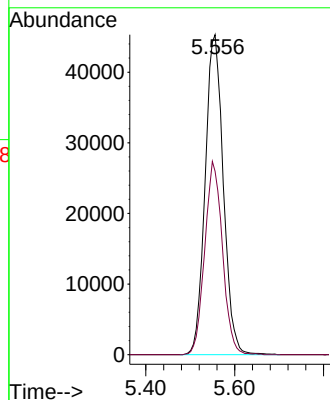
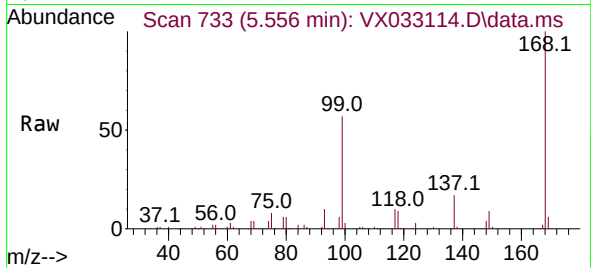




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033114.D
Acq: 29 Nov 2022 13:47

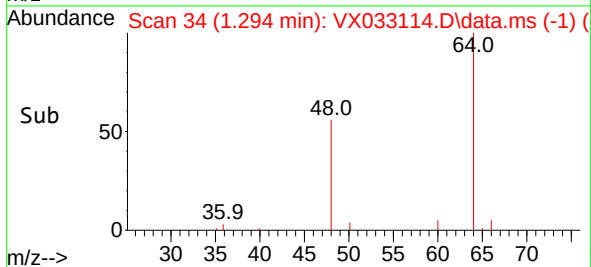
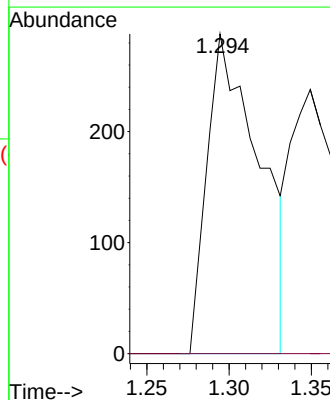
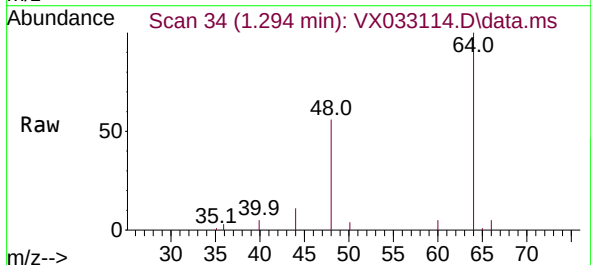
Instrument :
MSVOA_X
ClientSampleId :
MW-37

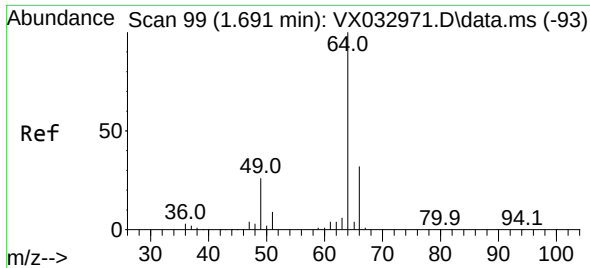
Tgt Ion:168 Resp: 129138
Ion Ratio Lower Upper
168 100
99 57.3 46.1 69.1



#3
Chloromethane
Concen: 0.596 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX033114.D
Acq: 29 Nov 2022 13:47

Tgt Ion: 50 Resp: 635
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

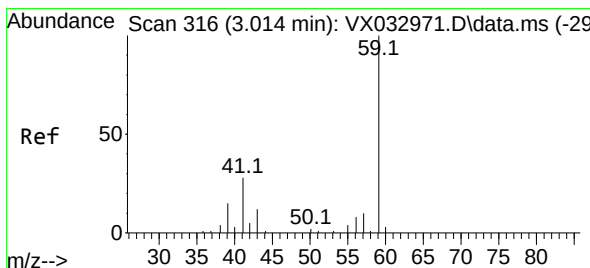
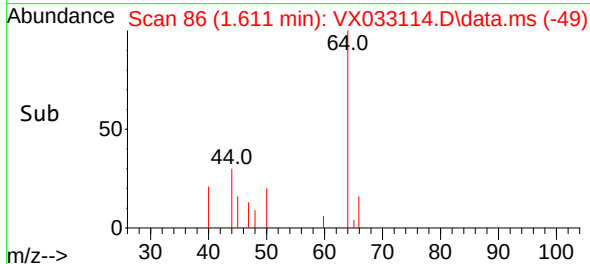
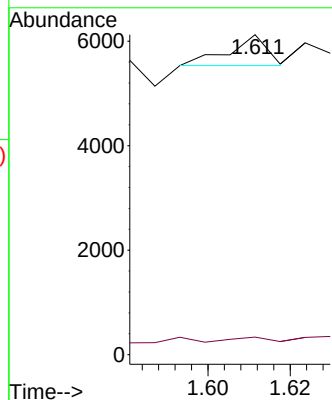
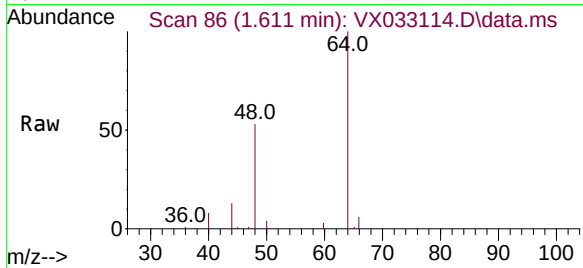




#6
Chloroethane
Concen: 0.390 ug/l
RT: 1.611 min Scan# 80
Delta R.T. -0.074 min
Lab File: VX033114.D
Acq: 29 Nov 2022 13:47

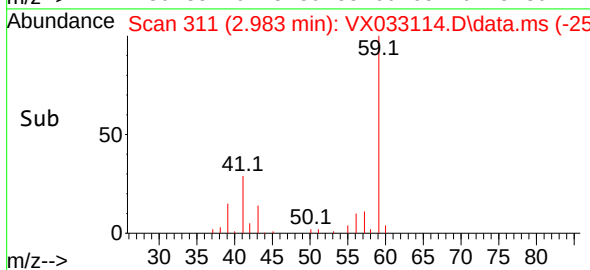
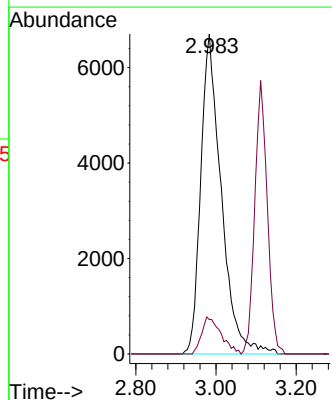
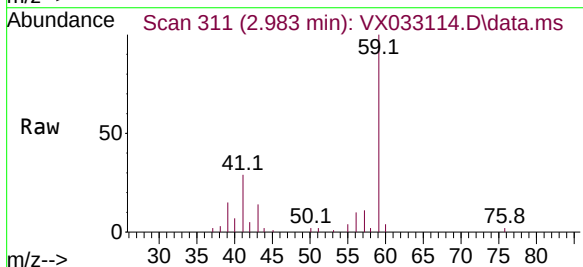
Instrument :
MSVOA_X
ClientSampleId :
MW-37

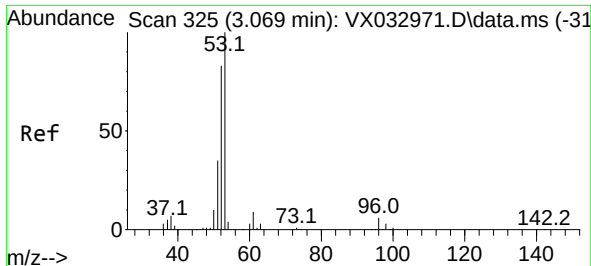
Tgt Ion: 64 Resp: 377
Ion Ratio Lower Upper
64 100
66 14.6 26.0 39.0#



#11
Tert butyl alcohol
Concen: 119.239 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.018 min
Lab File: VX033114.D
Acq: 29 Nov 2022 13:47

Tgt Ion: 59 Resp: 23771
Ion Ratio Lower Upper
59 100
57 10.9 8.2 12.4

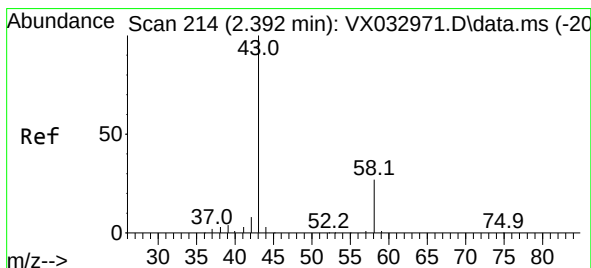
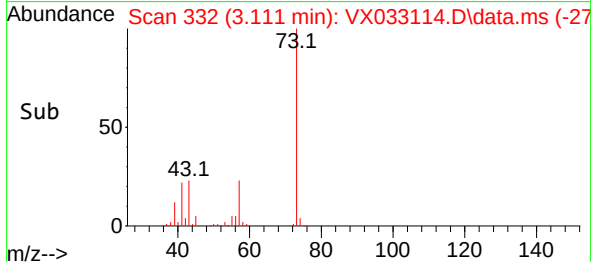
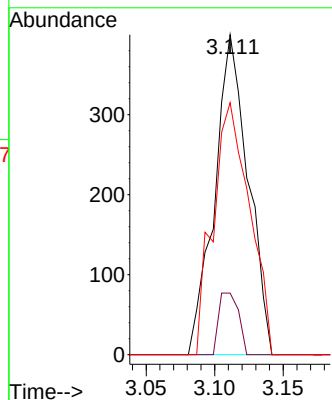
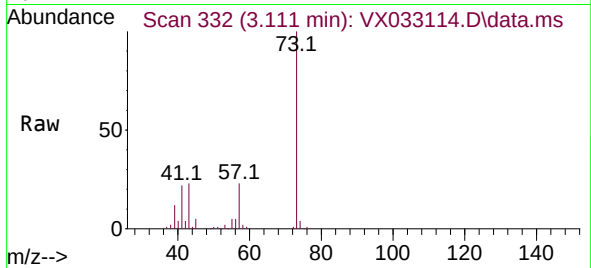




#15
Acrylonitrile
Concen: 1.208 ug/l
RT: 3.111 min Scan# 31
Delta R.T. 0.049 min
Lab File: VX033114.D
Acq: 29 Nov 2022 13:47

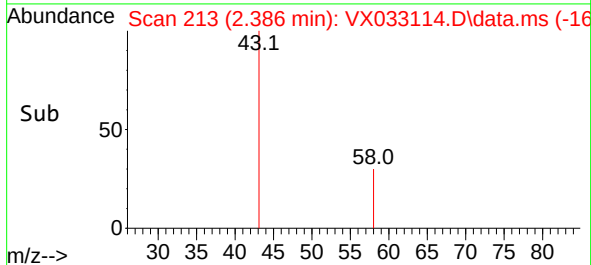
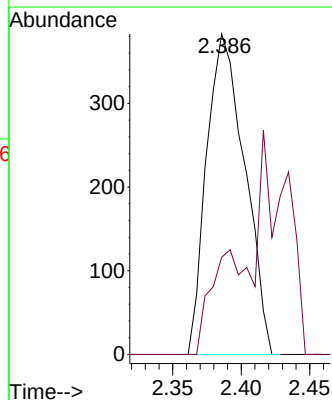
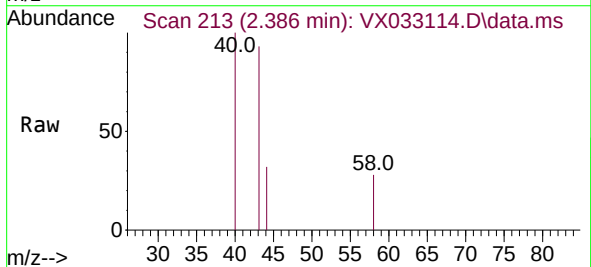
Instrument :
MSVOA_X
ClientSampleId :
MW-37

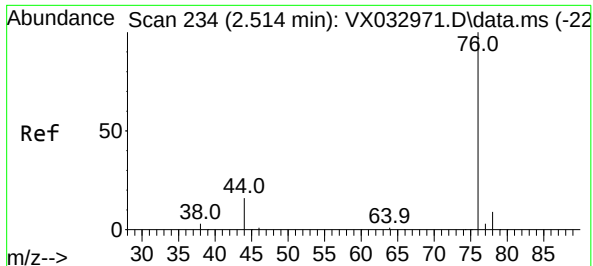
Tgt Ion: 53 Resp: 681
Ion Ratio Lower Upper
53 100
52 11.3 67.4 101.0#
51 85.6 30.3 45.5#



#16
Acetone
Concen: 1.262 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX033114.D
Acq: 29 Nov 2022 13:47

Tgt Ion: 43 Resp: 741
Ion Ratio Lower Upper
43 100
58 30.3 23.8 35.8

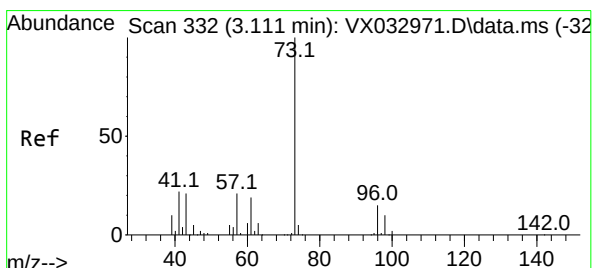
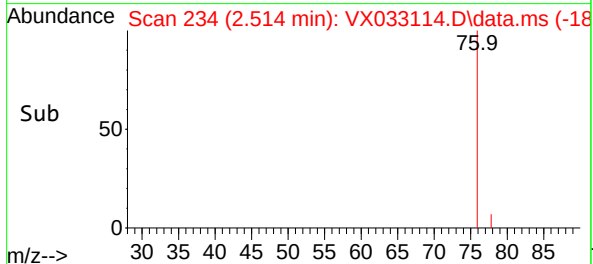
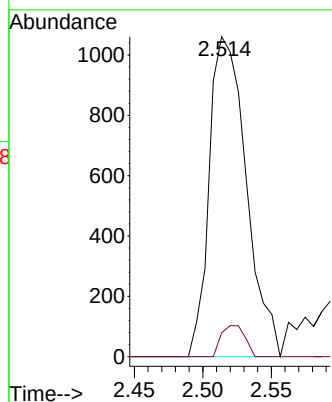
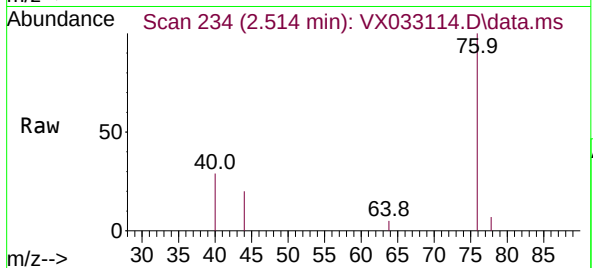




#17
Carbon Disulfide
Concen: 0.639 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX033114.D
Acq: 29 Nov 2022 13:47

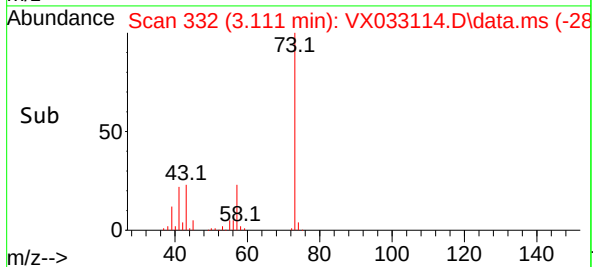
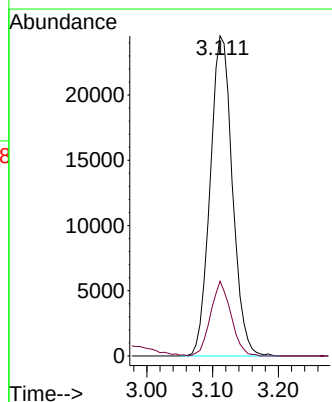
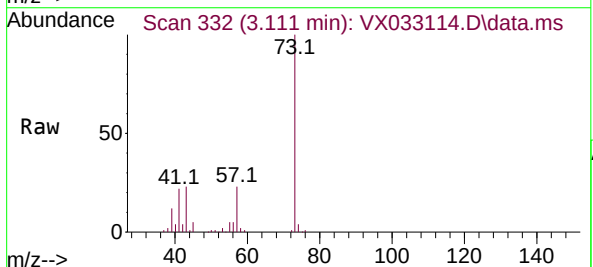
Instrument :
MSVOA_X
ClientSampleId :
MW-37

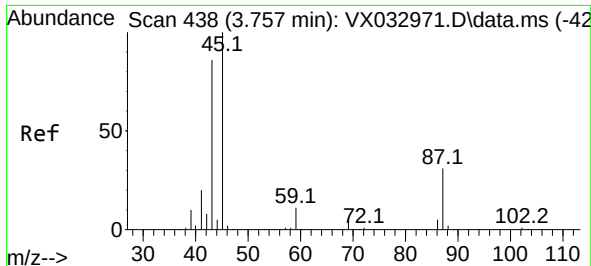
Tgt Ion: 76 Resp: 1991
Ion Ratio Lower Upper
76 100
78 7.4 7.5 11.3#



#19
Methyl tert-butyl Ether
Concen: 14.784 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX033114.D
Acq: 29 Nov 2022 13:47

Tgt Ion: 73 Resp: 57781
Ion Ratio Lower Upper
73 100
57 23.4 16.6 25.0

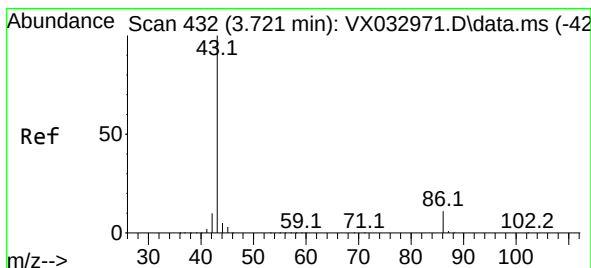
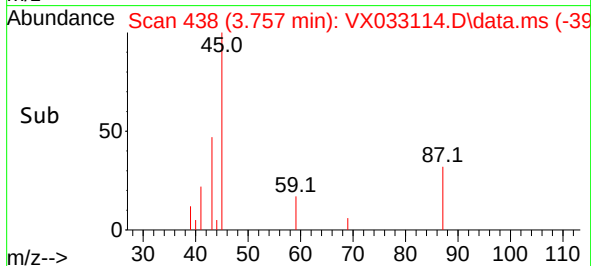
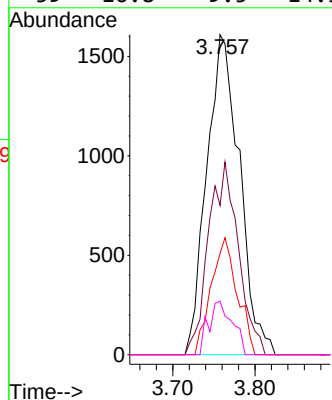
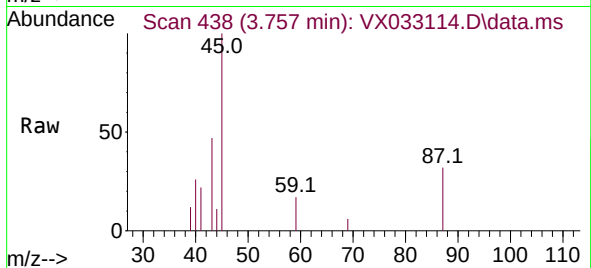




#22
Diisopropyl ether
Concen: 1.125 ug/l
RT: 3.757 min Scan# 41
Delta R.T. -0.006 min
Lab File: VX033114.D
Acq: 29 Nov 2022 13:47

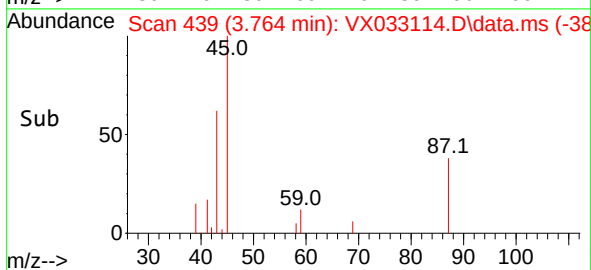
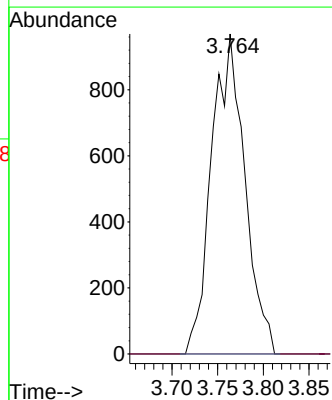
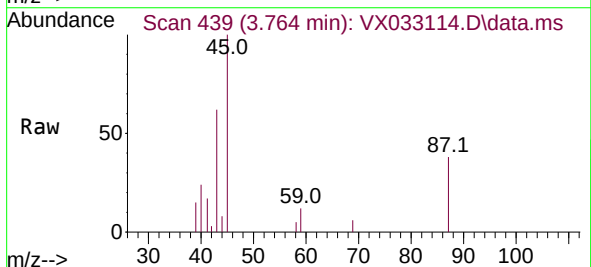
Instrument :
MSVOA_X
ClientSampleId :
MW-37

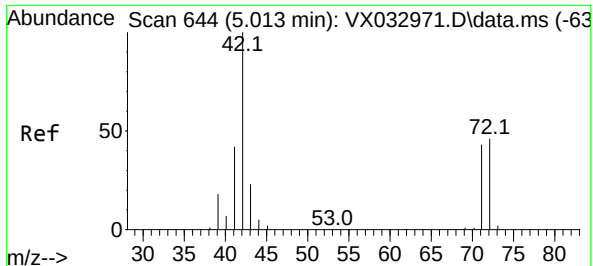
Tgt Ion:	45	Resp:	4455
Ion	Ratio	Lower	Upper
45	100		
43	46.7	56.4	84.6#
87	31.6	24.4	36.6
59	16.8	9.5	14.3#



#23
Vinyl Acetate
Concen: 0.788 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.043 min
Lab File: VX033114.D
Acq: 29 Nov 2022 13:47

Tgt Ion:	43	Resp:	2443
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	12.8#





#29

Tetrahydrofuran

Concen: 0.257 ug/l

RT: 5.025 min Scan# 644

Delta R.T. 0.024 min

Lab File: VX033114.D

Acq: 29 Nov 2022 13:47

Instrument :

MSVOA_X

ClientSampleId :

MW-37

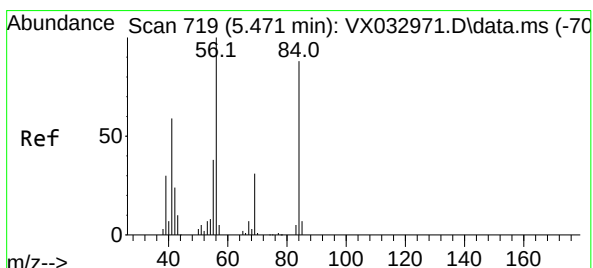
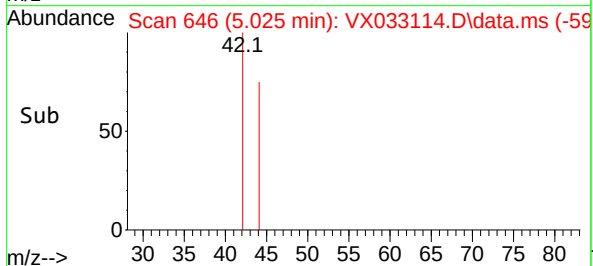
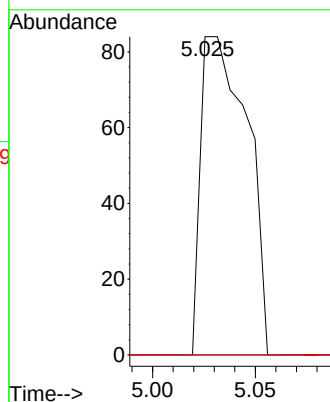
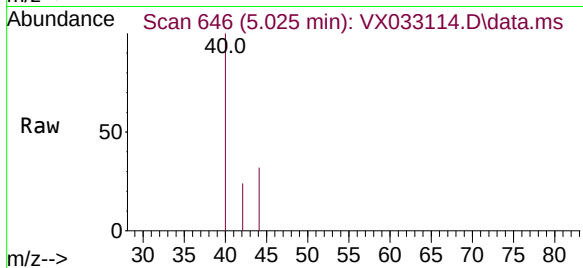
Tgt Ion: 42 Resp: 132

Ion Ratio Lower Upper

42 100

72 0.0 37.6 56.4#

71 0.0 34.7 52.1#



#31

Cyclohexane

Concen: 1.379 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX033114.D

Acq: 29 Nov 2022 13:47

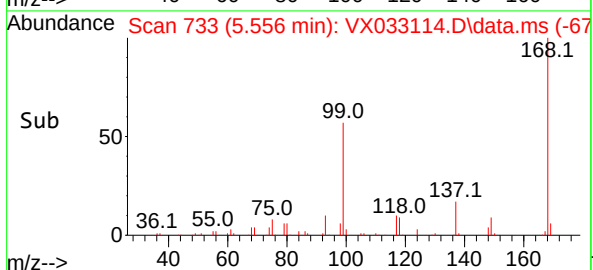
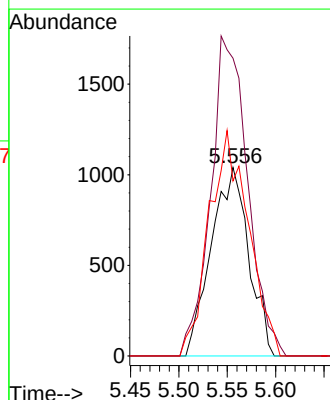
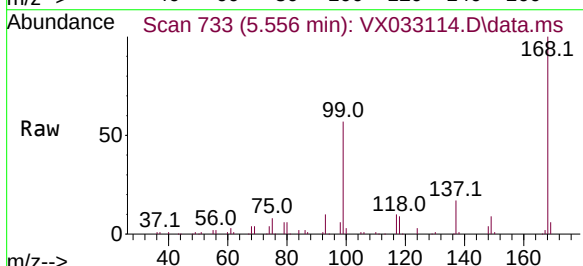
Tgt Ion: 56 Resp: 2811

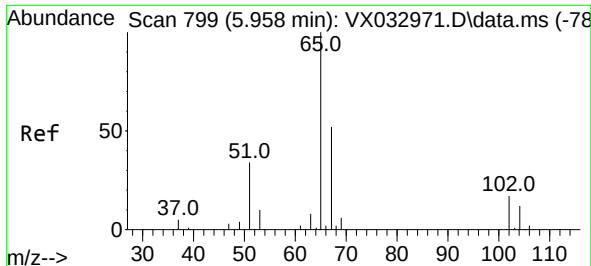
Ion Ratio Lower Upper

56 100

69 158.0 24.1 36.1#

84 92.9 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 55.699 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033114.D

Acq: 29 Nov 2022 13:47

Instrument :

MSVOA_X

ClientSampleId :

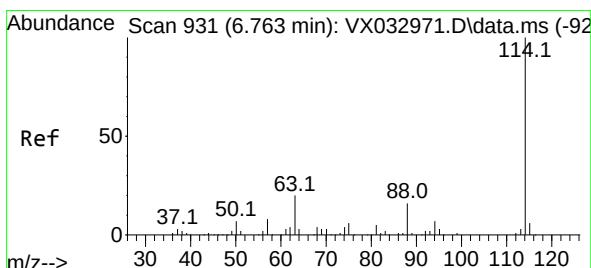
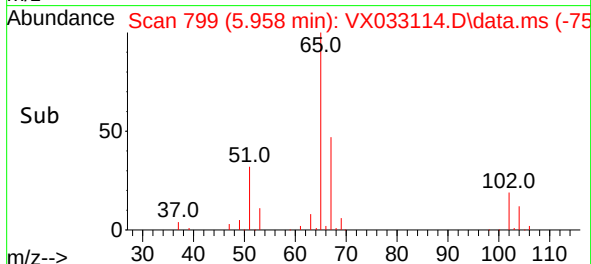
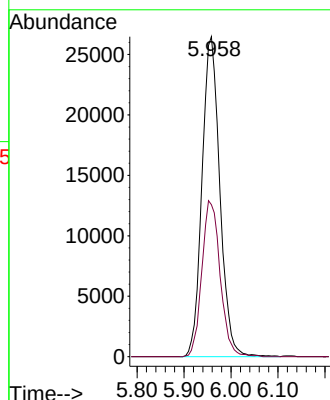
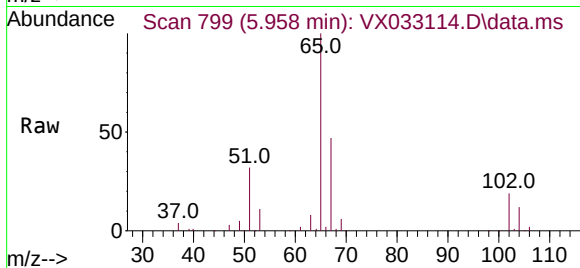
MW-37

Tgt Ion: 65 Resp: 69834

Ion Ratio Lower Upper

65 100

67 49.9 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX033114.D

Acq: 29 Nov 2022 13:47

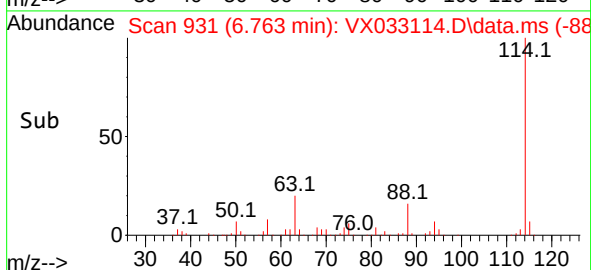
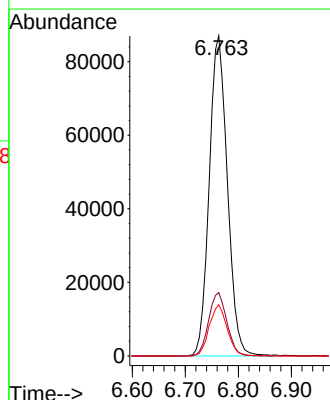
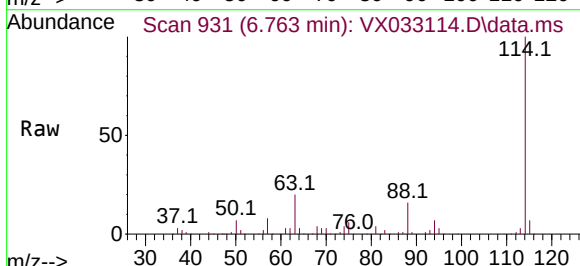
Tgt Ion: 114 Resp: 206806

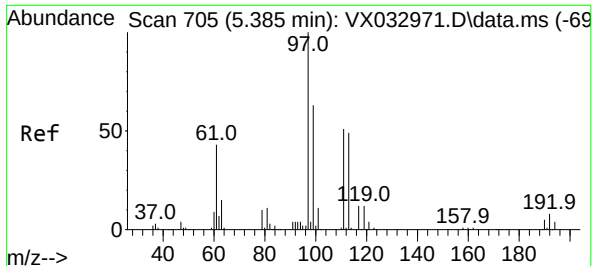
Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.6

88 16.0 0.0 33.4

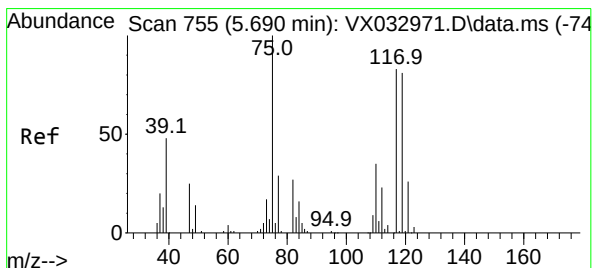
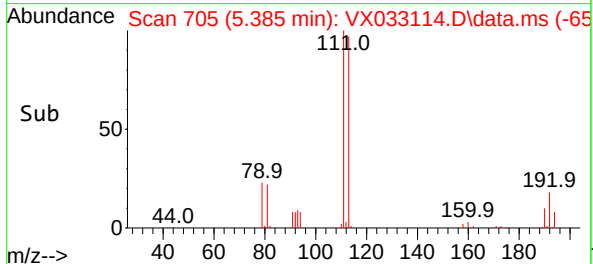
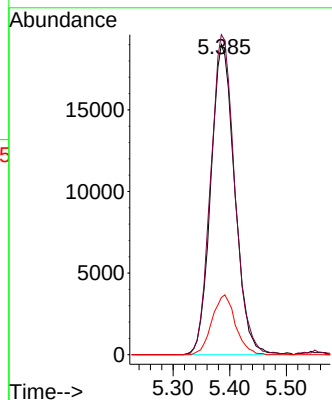
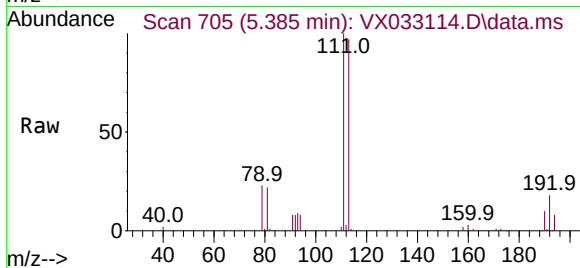




#35
Dibromofluoromethane
Concen: 47.688 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX033114.D
Acq: 29 Nov 2022 13:47

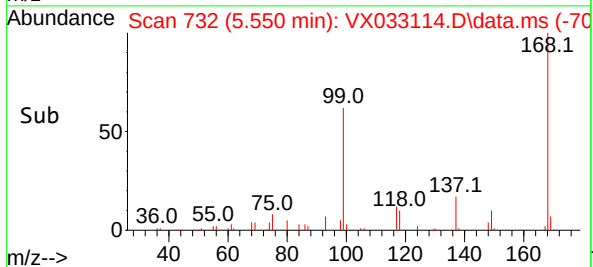
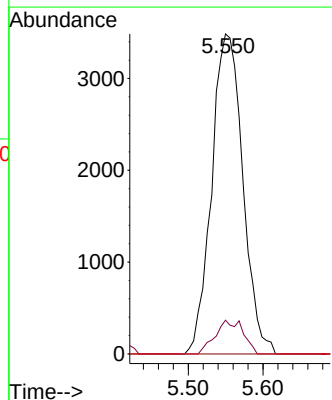
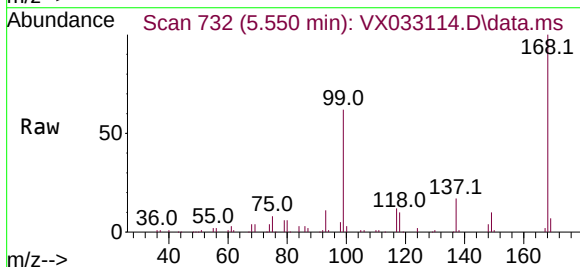
Instrument :
MSVOA_X
ClientSampleId :
MW-37

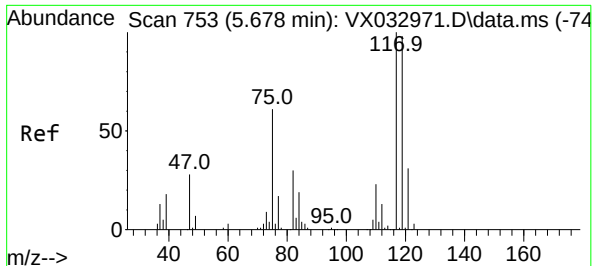
Tgt Ion:113 Resp: 55599
Ion Ratio Lower Upper
113 100
111 103.8 82.4 123.6
192 18.9 15.4 23.2



#36
1,1-Dichloropropene
Concen: 5.418 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX033114.D
Acq: 29 Nov 2022 13:47

Tgt Ion: 75 Resp: 10100
Ion Ratio Lower Upper
75 100
110 9.4 18.4 55.2#
77 0.0 24.5 36.7#

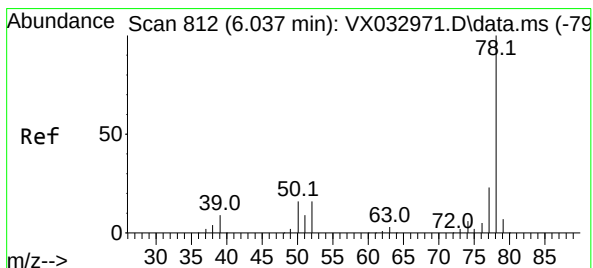
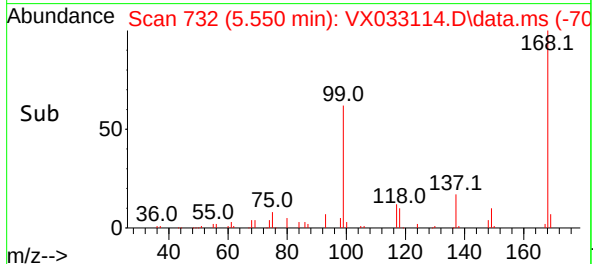
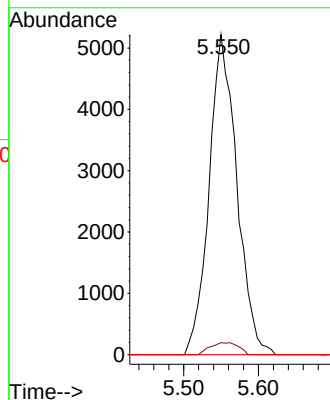
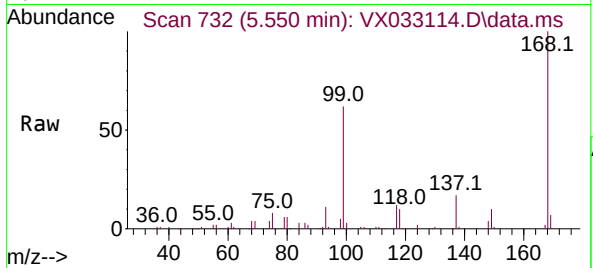




#38
Carbon Tetrachloride
Concen: 6.513 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX033114.D
Acq: 29 Nov 2022 13:47

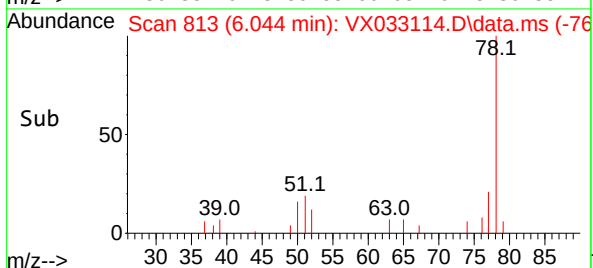
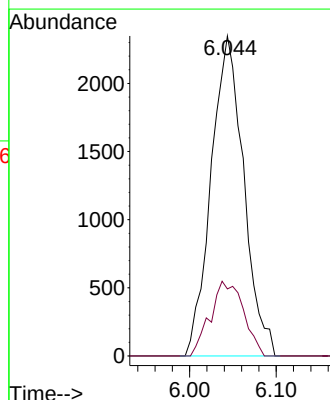
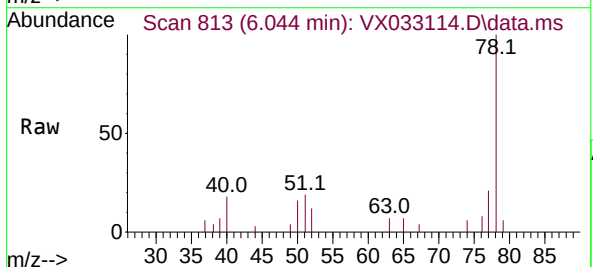
Instrument :
MSVOA_X
ClientSampleId :
MW-37

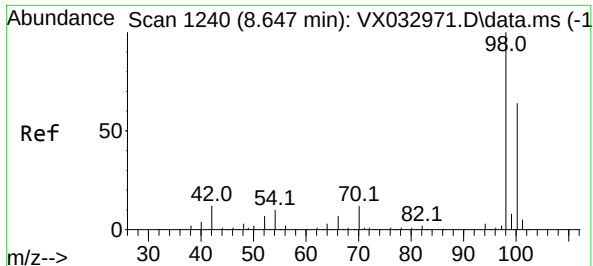
Tgt Ion:117 Resp: 13470
Ion Ratio Lower Upper
117 100
119 3.8 77.2 115.8#
121 0.0 25.8 38.6#



#40
Benzene
Concen: 1.174 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.007 min
Lab File: VX033114.D
Acq: 29 Nov 2022 13:47

Tgt Ion: 78 Resp: 6138
Ion Ratio Lower Upper
78 100
77 21.0 19.0 28.4





#50

Toluene-d8

Concen: 53.216 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX033114.D

Acq: 29 Nov 2022 13:47

Instrument :

MSVOA_X

ClientSampleId :

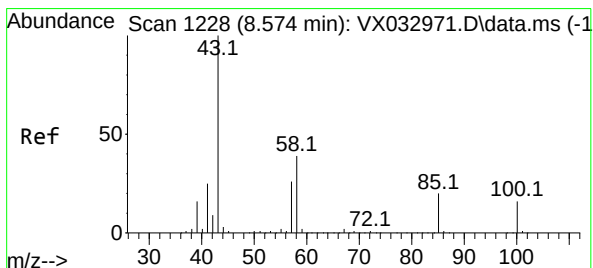
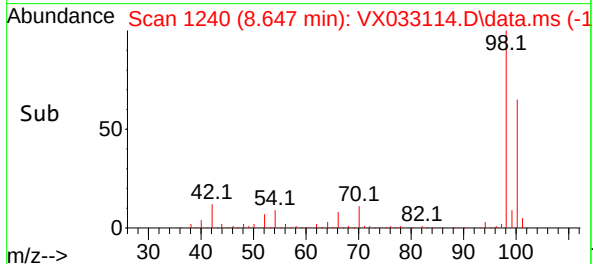
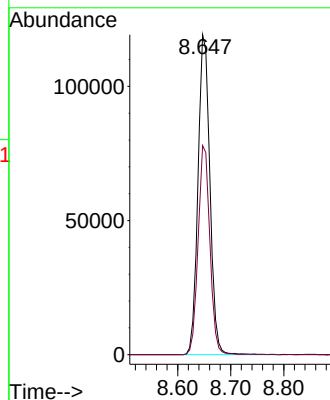
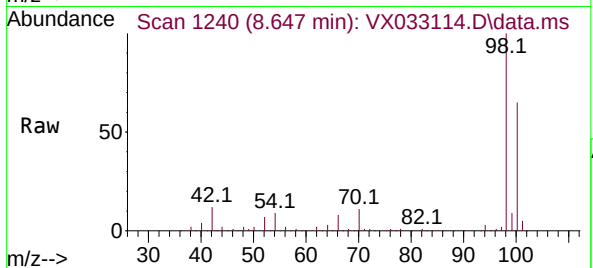
MW-37

Tgt Ion: 98 Resp: 186193

Ion Ratio Lower Upper

98 100

100 64.5 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 0.488 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.079 min

Lab File: VX033114.D

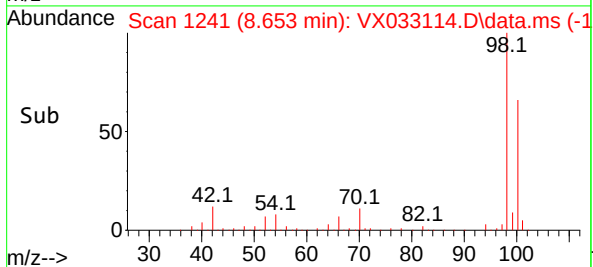
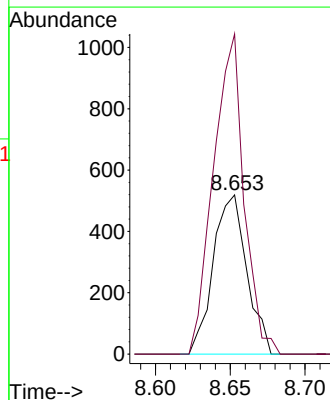
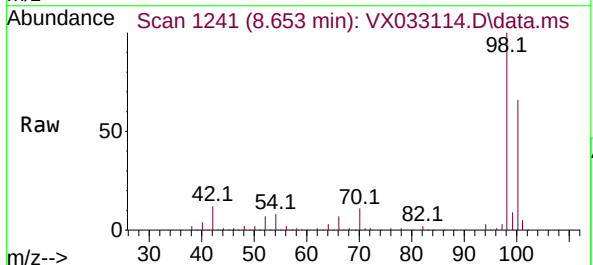
Acq: 29 Nov 2022 13:47

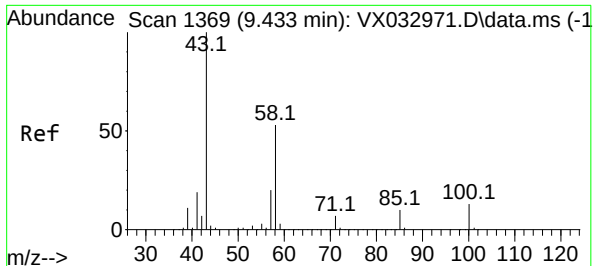
Tgt Ion: 43 Resp: 810

Ion Ratio Lower Upper

43 100

58 183.3 30.9 46.3#





#59

2-Hexanone

Concen: 0.386 ug/l

RT: 9.445 min Scan# 1

Delta R.T. 0.012 min

Lab File: VX033114.D

Acq: 29 Nov 2022 13:47

Instrument :

MSVOA_X

ClientSampleId :

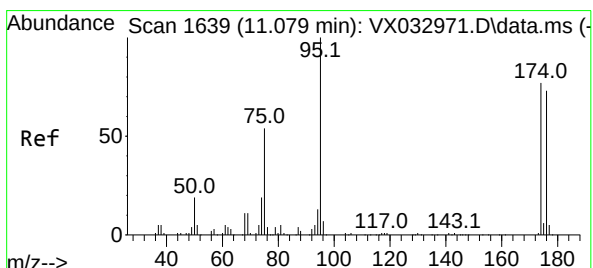
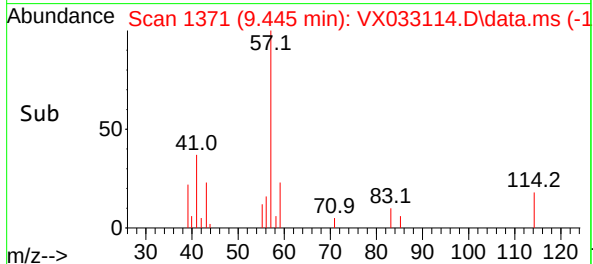
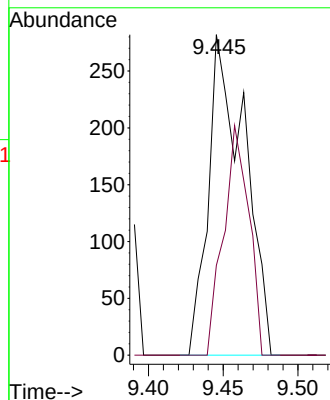
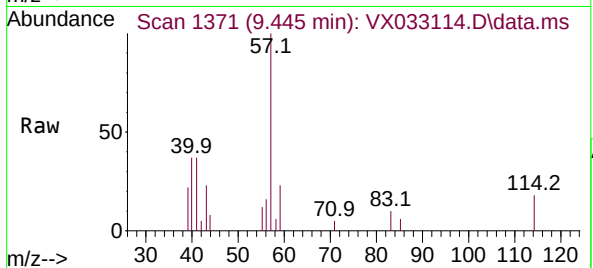
MW-37

Tgt Ion: 43 Resp: 473

Ion Ratio Lower Upper

43 100

58 50.3 26.5 79.5



#62

4-Bromofluorobenzene

Concen: 43.502 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX033114.D

Acq: 29 Nov 2022 13:47

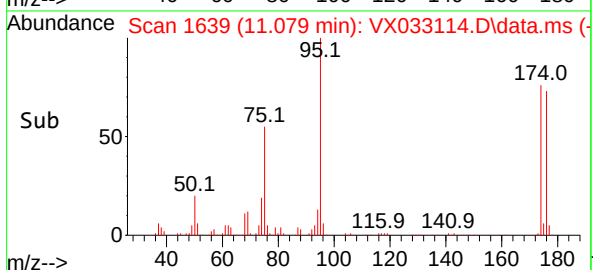
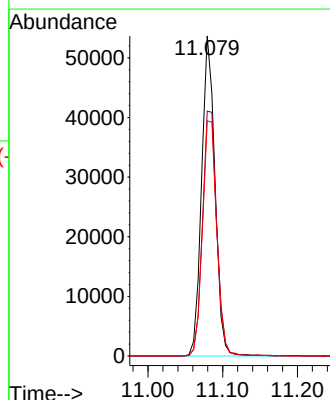
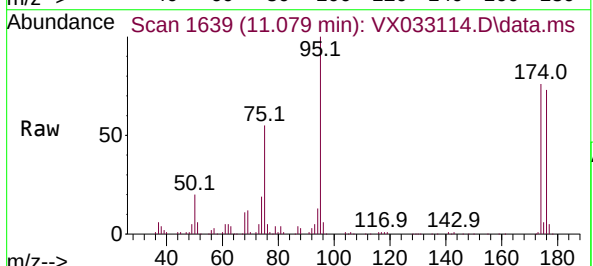
Tgt Ion: 95 Resp: 66625

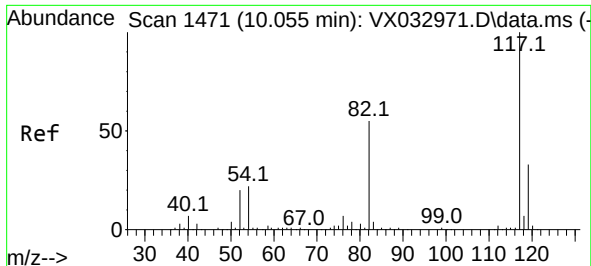
Ion Ratio Lower Upper

95 100

174 81.7 0.0 164.0

176 78.5 0.0 154.4

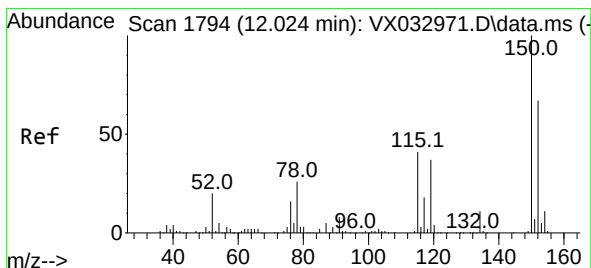
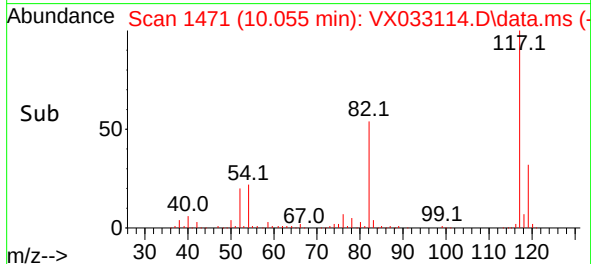
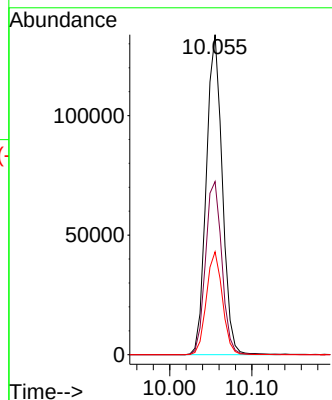
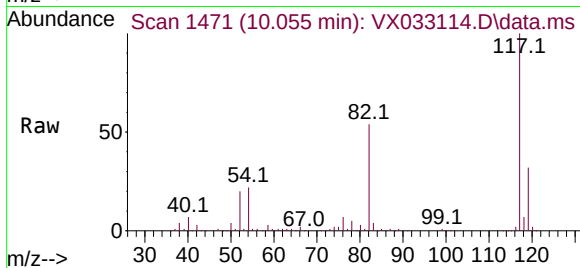




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033114.D
Acq: 29 Nov 2022 13:47

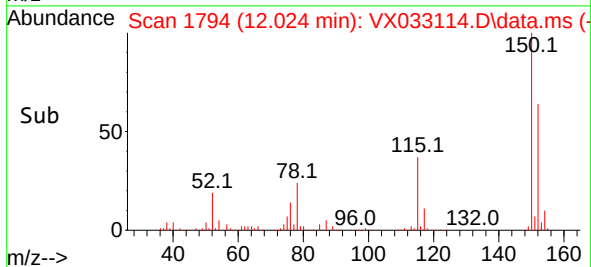
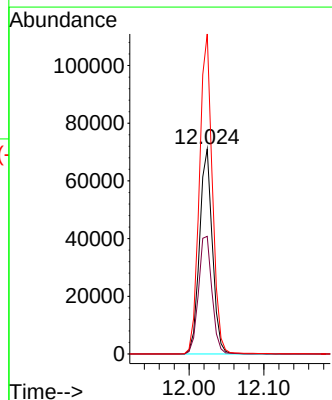
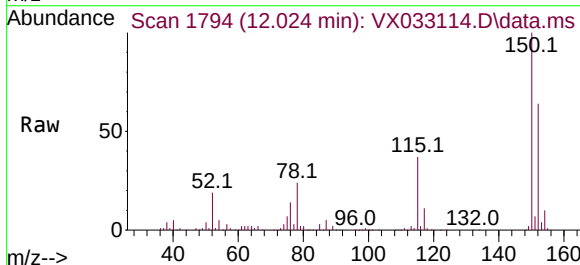
Instrument :
MSVOA_X
ClientSampleId :
MW-37

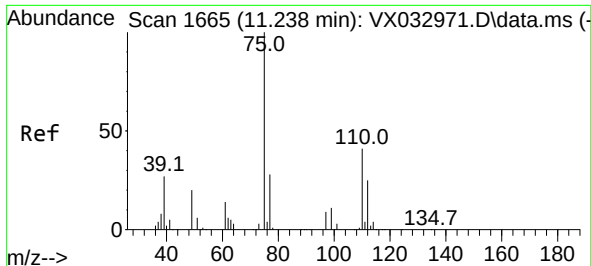
Tgt Ion:117 Resp: 180649
Ion Ratio Lower Upper
117 100
82 54.1 44.3 66.5
119 32.2 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033114.D
Acq: 29 Nov 2022 13:47

Tgt Ion:152 Resp: 84568
Ion Ratio Lower Upper
152 100
115 60.2 44.0 132.0
150 157.6 0.0 351.8

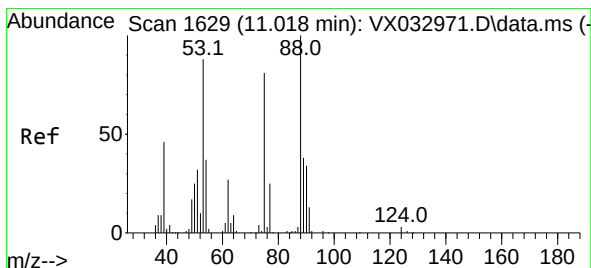
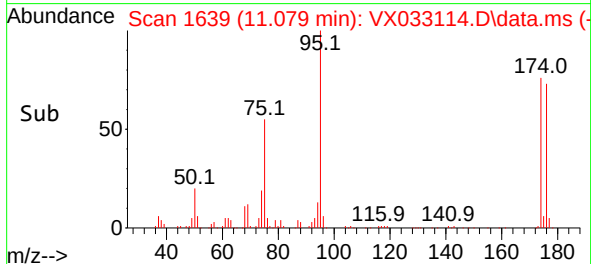
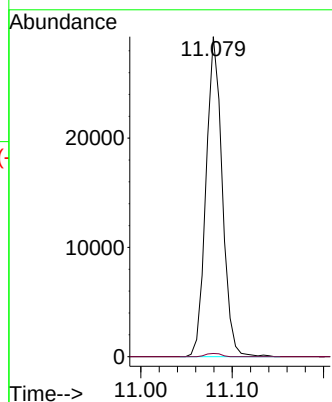
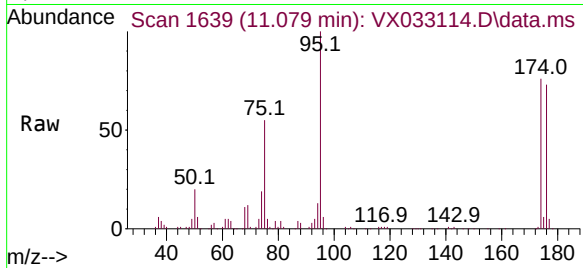




#76
1,2,3-Trichloropropane
Concen: 22.441 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX033114.D
Acq: 29 Nov 2022 13:47

Instrument :
MSVOA_X
ClientSampleId :
MW-37

Tgt Ion: 75 Resp: 35941
Ion Ratio Lower Upper
75 100
77 1.0 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.943 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033114.D
Acq: 29 Nov 2022 13:47

Tgt Ion: 75 Resp: 35941
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

