

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120222\
 Data File : VX033182.D
 Acq On : 02 Dec 2022 13:53
 Operator : JC/MD
 Sample : N5821-05DL 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 22-MW-4IDL

Quant Time: Dec 03 04:32:18 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)

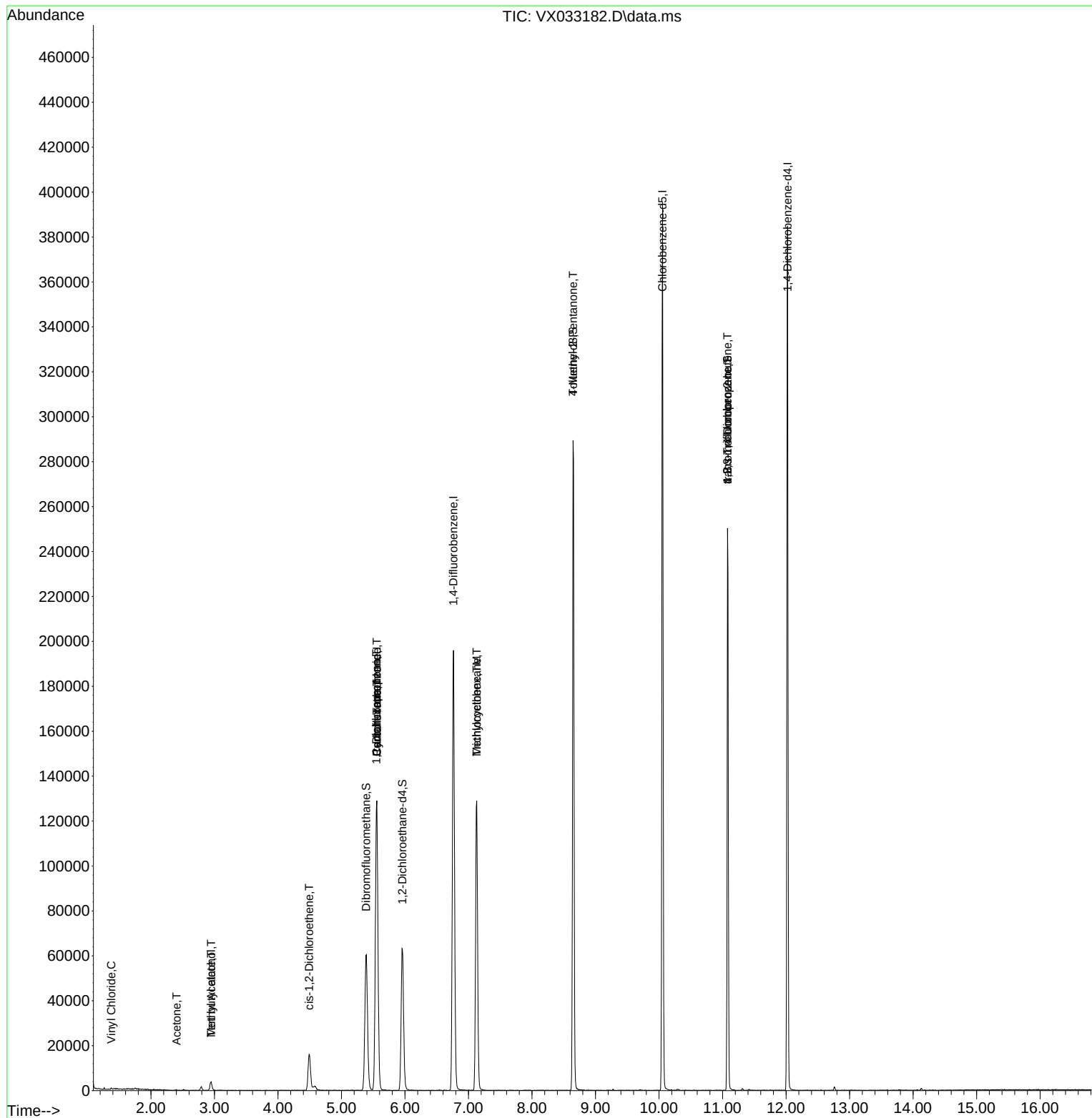
Internal Standards						
1) Pentafluorobenzene	5.556	168	120484	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	197205	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	173646	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	78984	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	65634	56.133	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 112.260%			
35) Dibromofluoromethane	5.385	113	52603	47.315	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.620%			
50) Toluene-d8	8.647	98	172354	51.593	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.180%			
62) 4-Bromofluorobenzene	11.079	95	63514	43.490	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 86.980%			
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.374	62	236	0.213	ug/l #	1
11) Tert butyl alcohol	2.947	59	2454	13.194	ug/l #	72
16) Acetone	2.404	43	261	0.476	ug/l #	45
18) Methyl Acetate	2.947	43	330	0.218	ug/l #	51
20) Methylene Chloride	2.788	84	739	Below Cal	#	85
27) cis-1,2-Dichloroethene	4.489	96	10376	7.593	ug/l	93
31) Cyclohexane	5.556	56	2615	1.375	ug/l #	27
36) 1,1-Dichloropropene	5.550	75	9546	5.370	ug/l #	49
38) Carbon Tetrachloride	5.556	117	12374	6.275	ug/l #	14
39) Methylcyclohexane	7.129	83	594	0.293	ug/l #	1
44) Trichloroethene	7.129	130	51022	36.481	ug/l	99
51) 4-Methyl-2-Pentanone	8.647	43	712	0.450	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	34581	23.118	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	34581	75.145	ug/l #	6

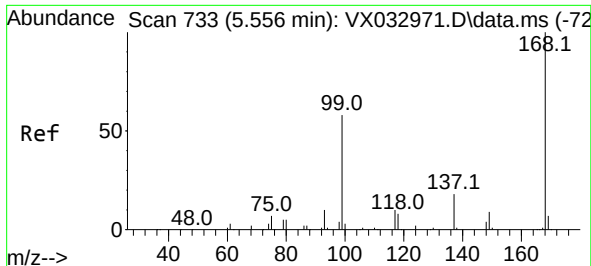
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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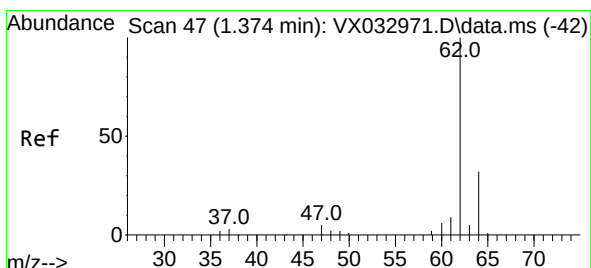
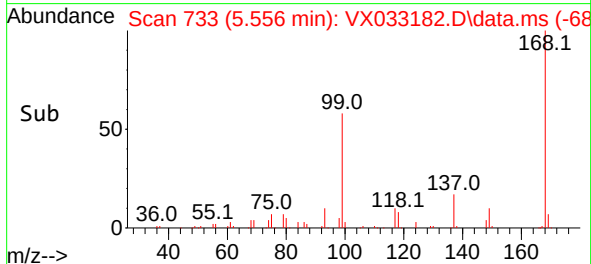
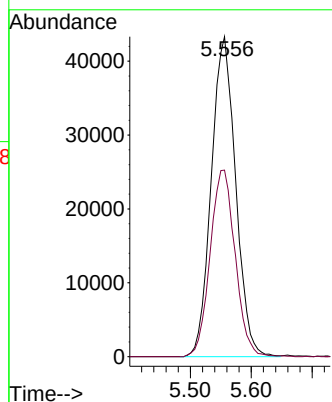
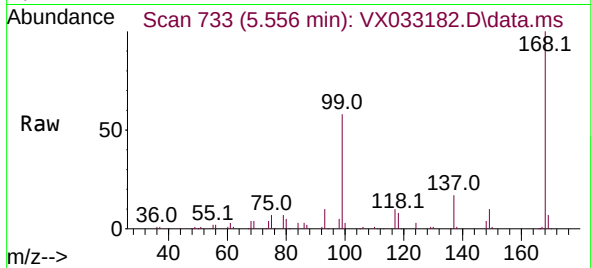




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033182.D
Acq: 02 Dec 2022 13:53

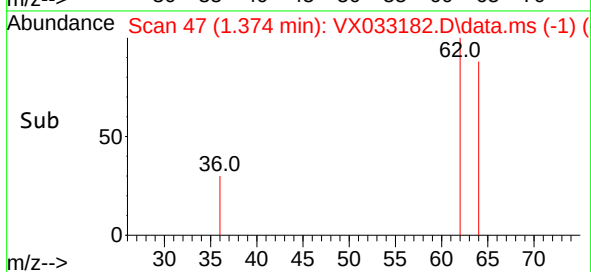
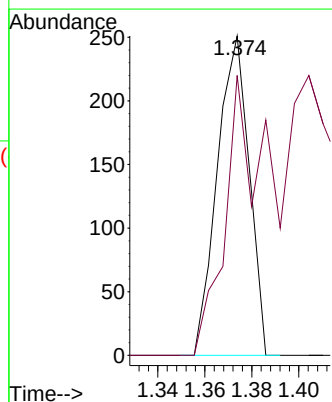
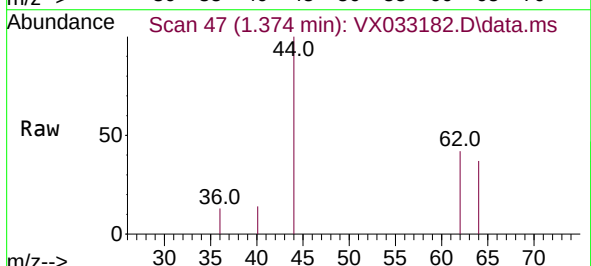
Instrument :
MSVOA_X
ClientSampleId :
22-MW-4IDL

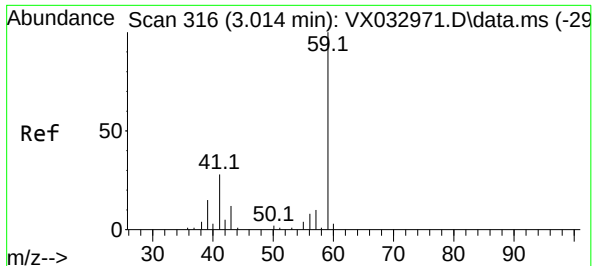
Tgt Ion:168 Resp: 120484
Ion Ratio Lower Upper
168 100
99 58.3 46.1 69.1



#4
Vinyl Chloride
Concen: 0.213 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX033182.D
Acq: 02 Dec 2022 13:53

Tgt Ion: 62 Resp: 236
Ion Ratio Lower Upper
62 100
64 87.6 25.8 38.6#





#11

Tert butyl alcohol

Concen: 13.194 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.018 min

Lab File: VX033182.D

Acq: 02 Dec 2022 13:53

Instrument :

MSVOA_X

ClientSampleId :

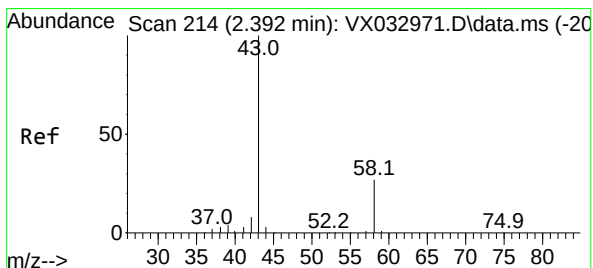
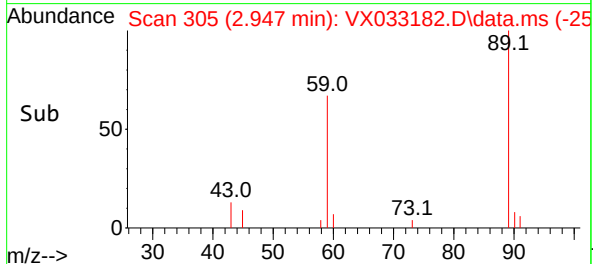
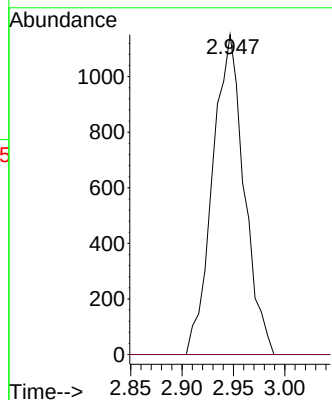
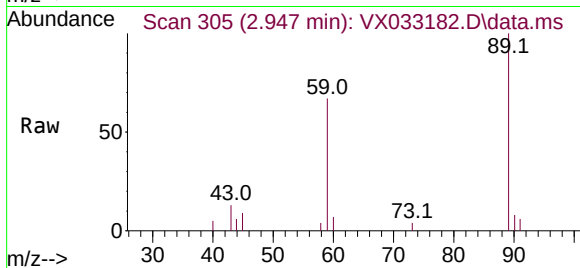
22-MW-4IDL

Tgt Ion: 59 Resp: 2454

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 0.476 ug/l

RT: 2.404 min Scan# 216

Delta R.T. 0.024 min

Lab File: VX033182.D

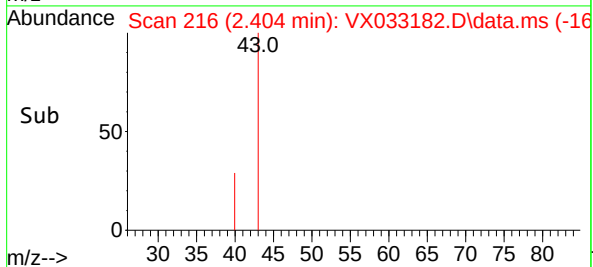
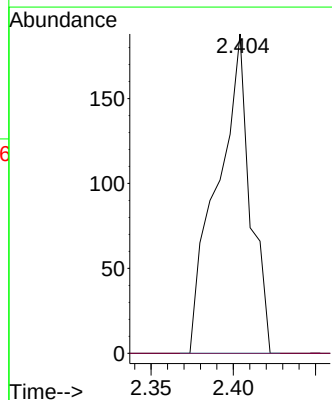
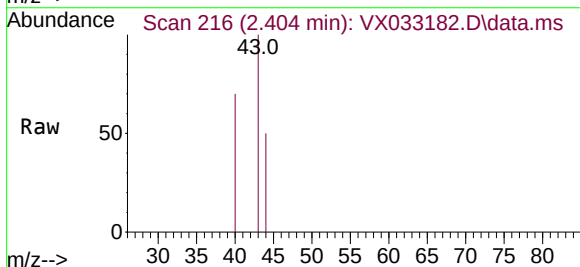
Acq: 02 Dec 2022 13:53

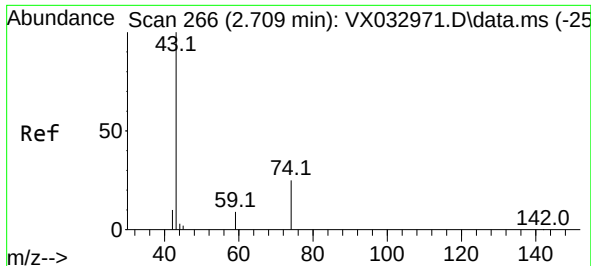
Tgt Ion: 43 Resp: 261

Ion Ratio Lower Upper

43 100

58 0.0 23.8 35.8#





#18

Methyl Acetate

Concen: 0.218 ug/l

RT: 2.947 min Scan# 305

Delta R.T. 0.244 min

Lab File: VX033182.D

Acq: 02 Dec 2022 13:53

Instrument :

MSVOA_X

ClientSampleId :

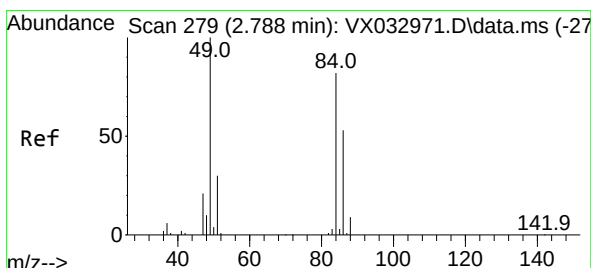
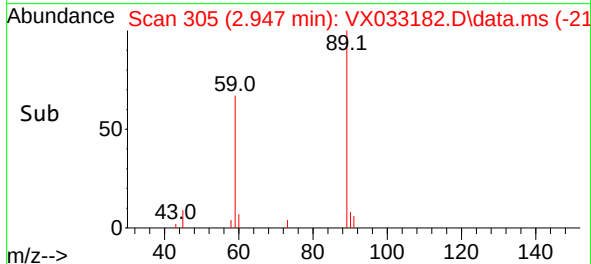
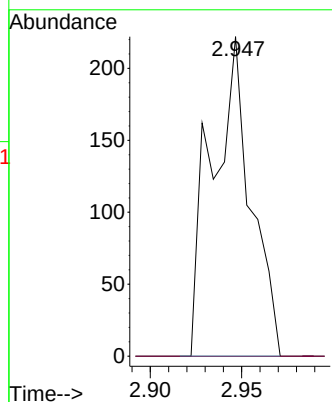
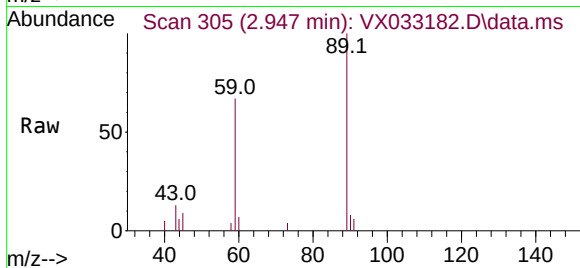
22-MW-4IDL

Tgt Ion: 43 Resp: 330

Ion Ratio Lower Upper

43 100

74 0.0 19.4 29.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX033182.D

Acq: 02 Dec 2022 13:53

Tgt Ion: 84 Resp: 739

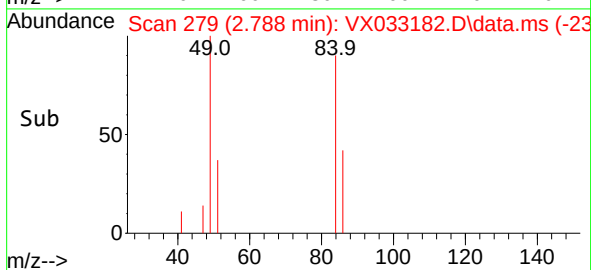
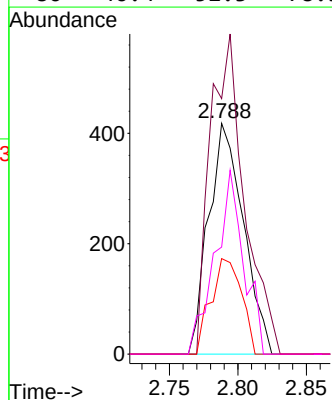
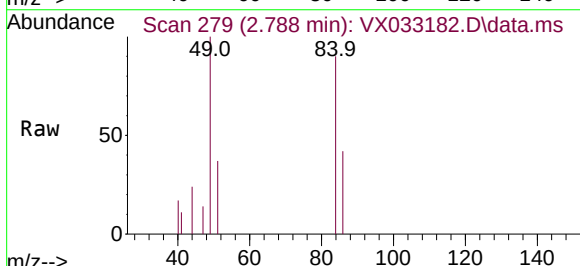
Ion Ratio Lower Upper

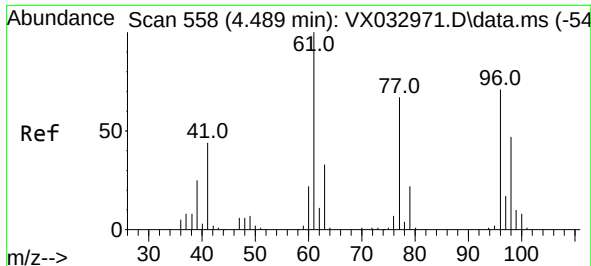
84 100

49 110.8 101.0 151.6

51 41.4 31.1 46.7

86 46.4 52.3 78.5#





#27

cis-1,2-Dichloroethene

Concen: 7.593 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX033182.D

Acq: 02 Dec 2022 13:53

Instrument :

MSVOA_X

ClientSampleId :

22-MW-4IDL

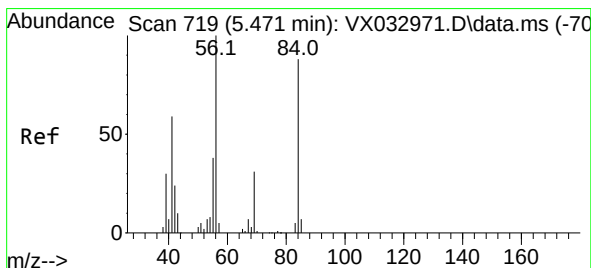
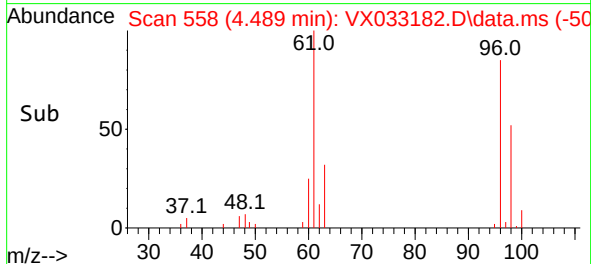
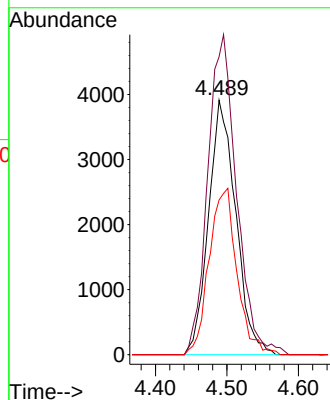
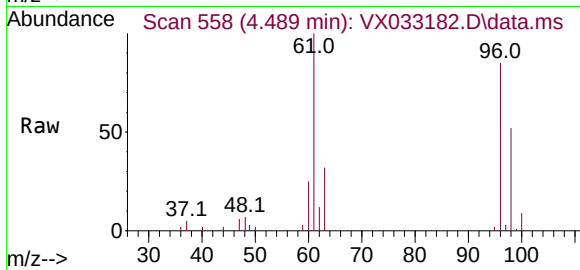
Tgt Ion: 96 Resp: 10376

Ion Ratio Lower Upper

96 100

61 132.4 0.0 286.0

98 66.7 0.0 129.6



#31

Cyclohexane

Concen: 1.375 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX033182.D

Acq: 02 Dec 2022 13:53

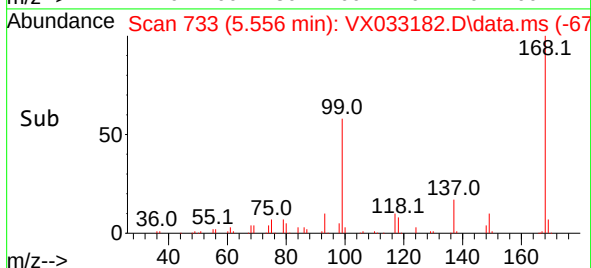
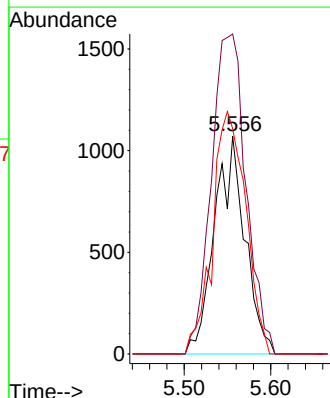
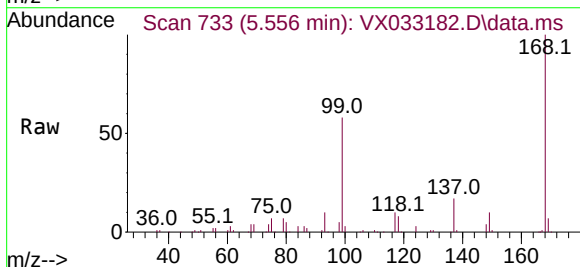
Tgt Ion: 56 Resp: 2615

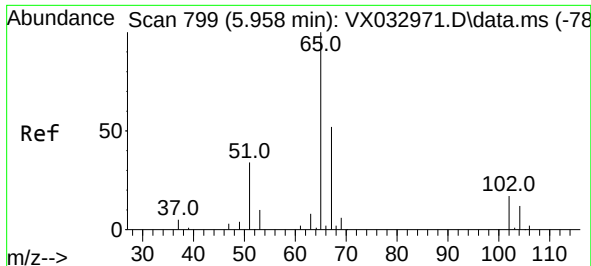
Ion Ratio Lower Upper

56 100

69 146.8 24.1 36.1#

84 103.4 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 56.133 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033182.D

Acq: 02 Dec 2022 13:53

Instrument :

MSVOA_X

ClientSampleId :

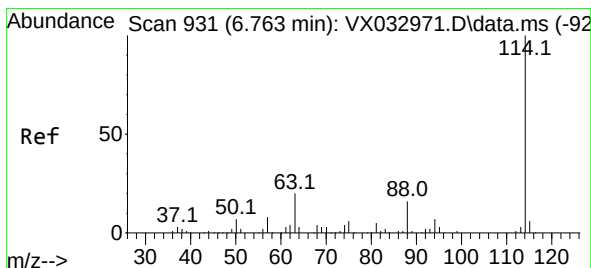
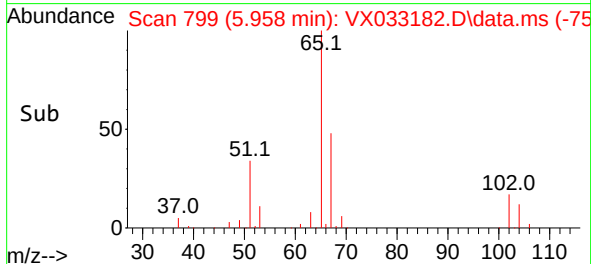
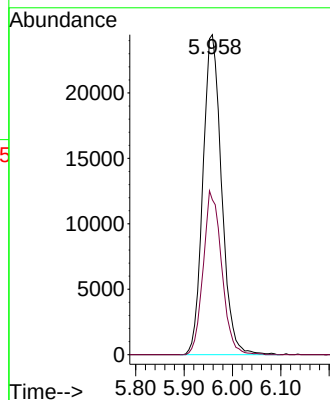
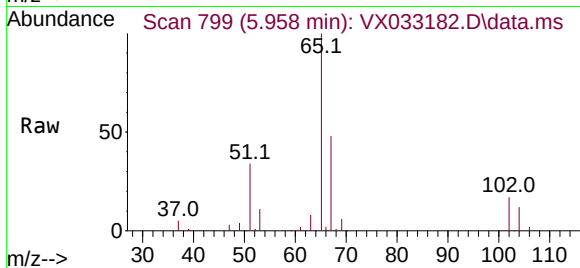
22-MW-4IDL

Tgt Ion: 65 Resp: 65634

Ion Ratio Lower Upper

65 100

67 50.5 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: VX033182.D

Acq: 02 Dec 2022 13:53

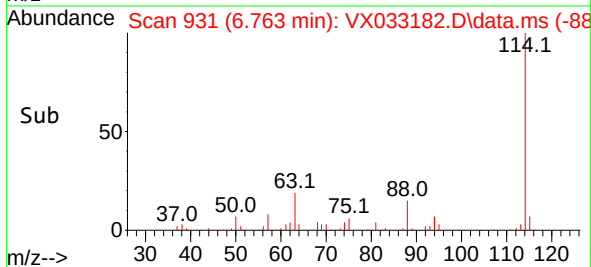
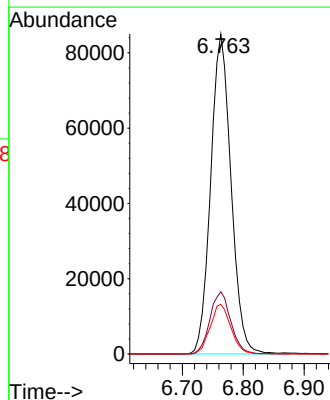
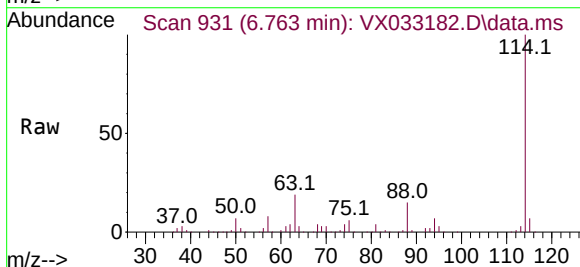
Tgt Ion: 114 Resp: 197205

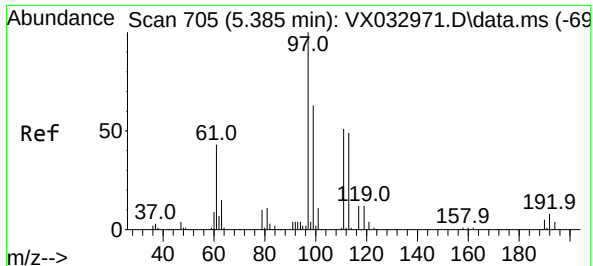
Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.6

88 15.5 0.0 33.4





#35

Dibromofluoromethane

Concen: 47.315 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX033182.D

Acq: 02 Dec 2022 13:53

Instrument :

MSVOA_X

ClientSampleId :

22-MW-4IDL

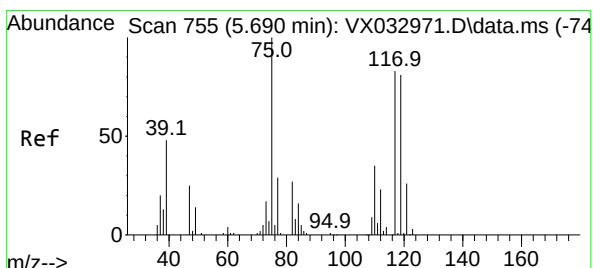
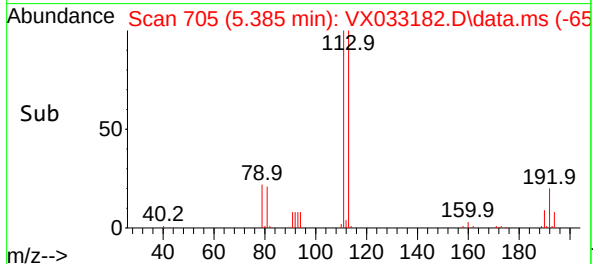
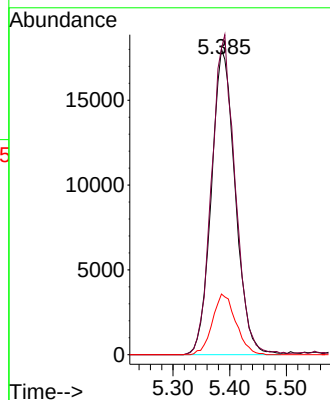
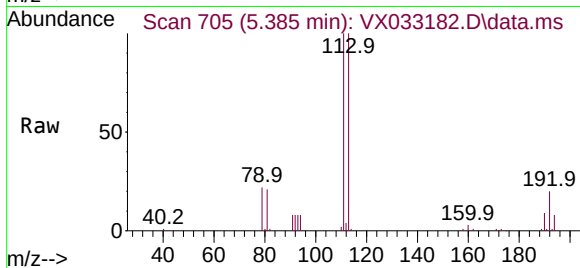
Tgt Ion:113 Resp: 52603

Ion Ratio Lower Upper

113 100

111 103.5 82.4 123.6

192 19.5 15.4 23.2



#36

1,1-Dichloropropene

Concen: 5.370 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX033182.D

Acq: 02 Dec 2022 13:53

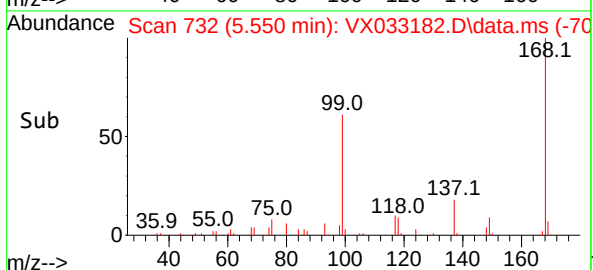
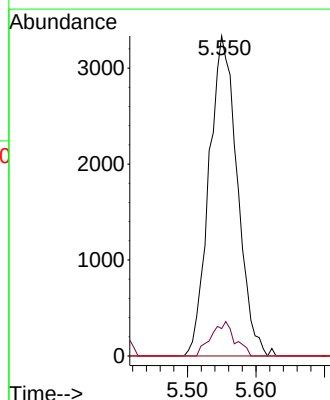
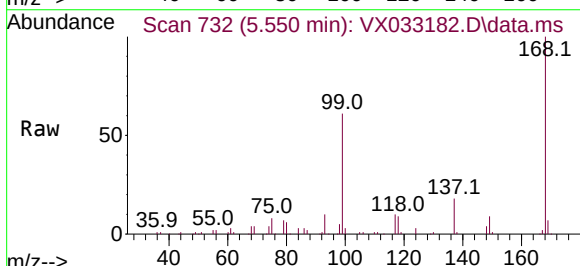
Tgt Ion: 75 Resp: 9546

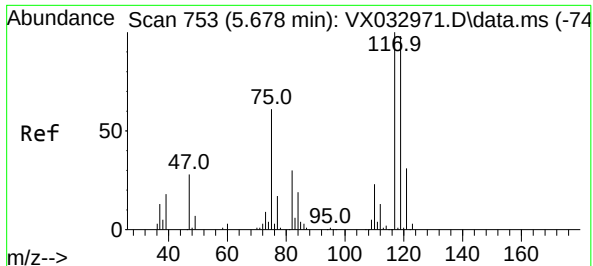
Ion Ratio Lower Upper

75 100

110 9.0 18.4 55.2#

77 0.0 24.5 36.7#

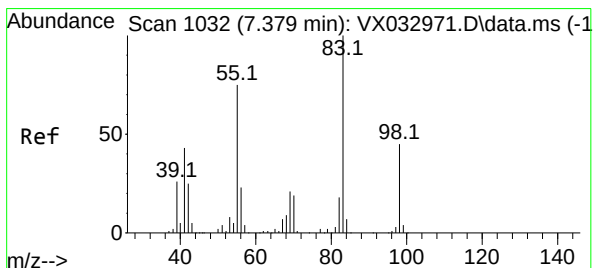
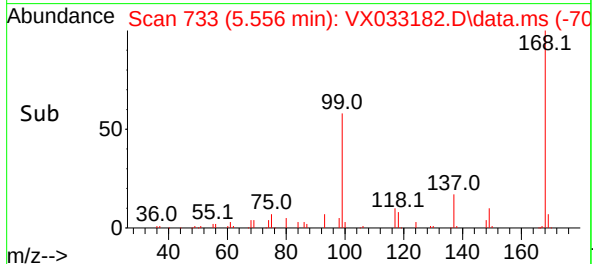
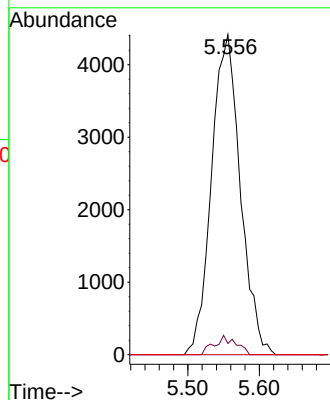
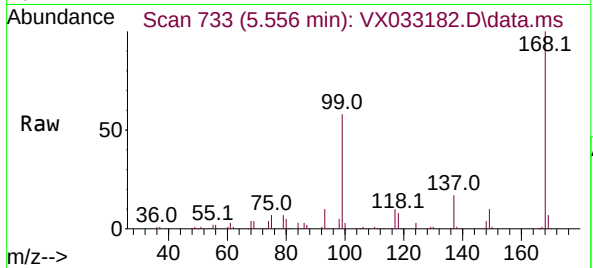




#38
Carbon Tetrachloride
Concen: 6.275 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX033182.D
Acq: 02 Dec 2022 13:53

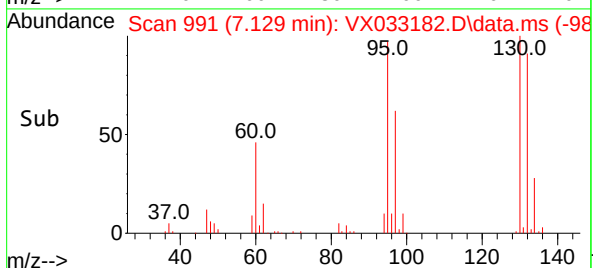
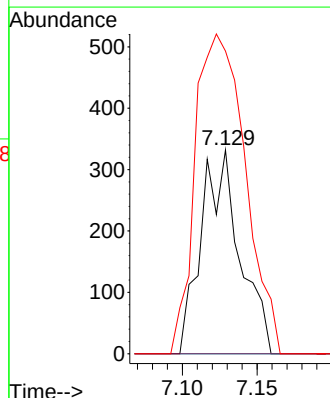
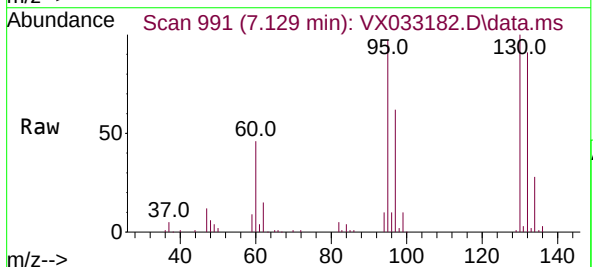
Instrument :
MSVOA_X
ClientSampleId :
22-MW-4IDL

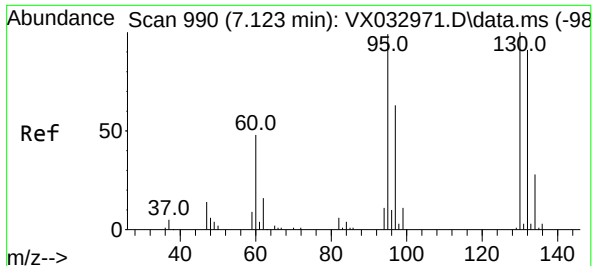
Tgt Ion:117 Resp: 12374
Ion Ratio Lower Upper
117 100
119 3.5 77.2 115.8#
121 0.0 25.8 38.6#



#39
Methylcyclohexane
Concen: 0.293 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX033182.D
Acq: 02 Dec 2022 13:53

Tgt Ion: 83 Resp: 594
Ion Ratio Lower Upper
83 100
55 0.0 58.4 87.6#
98 148.5 37.2 55.8#

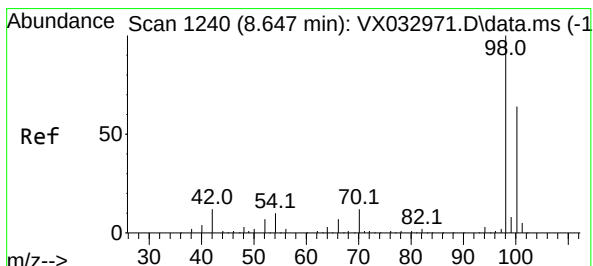
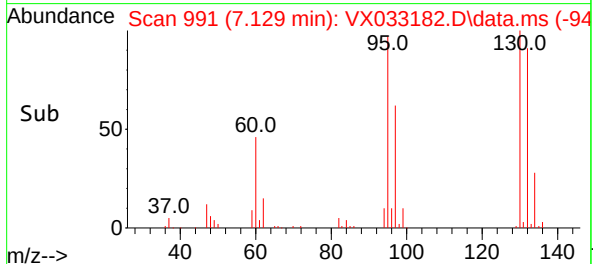
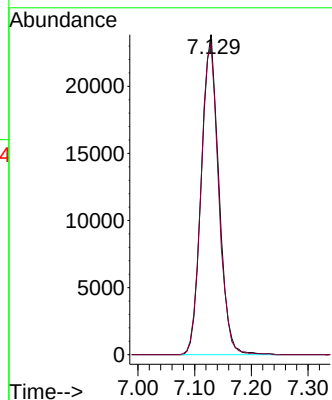
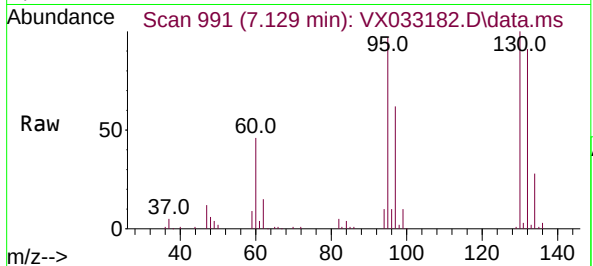




#44
Trichloroethene
Concen: 36.481 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX033182.D
Acq: 02 Dec 2022 13:53

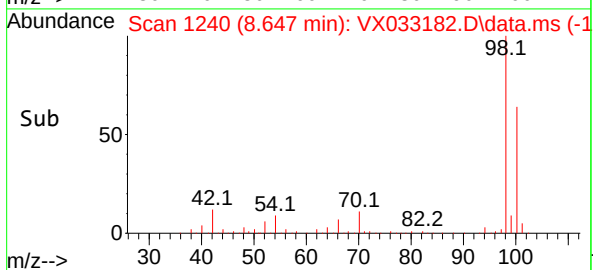
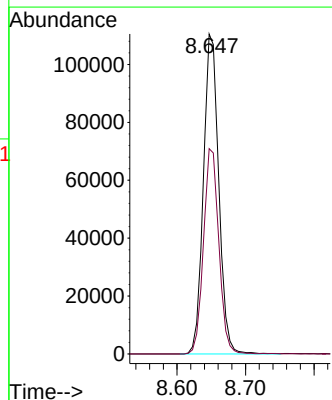
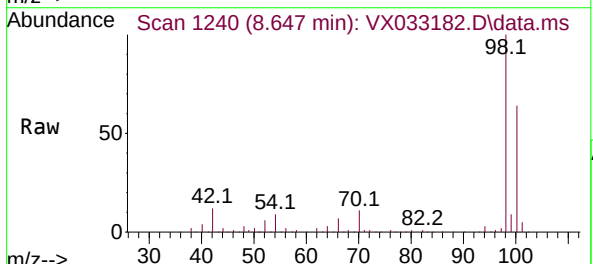
Instrument :
MSVOA_X
ClientSampleId :
22-MW-4IDL

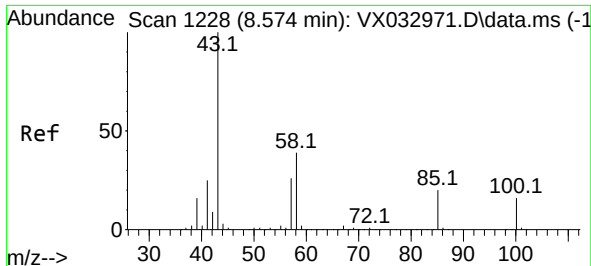
Tgt Ion:130 Resp: 51022
Ion Ratio Lower Upper
130 100
95 96.9 0.0 195.2



#50
Toluene-d8
Concen: 51.593 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX033182.D
Acq: 02 Dec 2022 13:53

Tgt Ion: 98 Resp: 172354
Ion Ratio Lower Upper
98 100
100 64.2 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 0.450 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX033182.D

Acq: 02 Dec 2022 13:53

Instrument :

MSVOA_X

ClientSampleId :

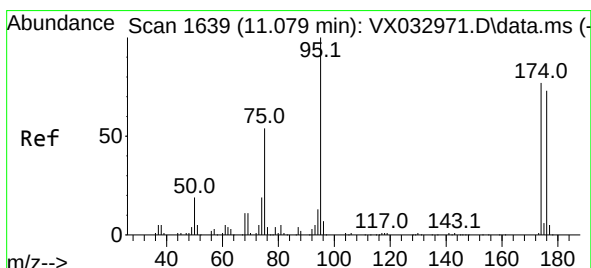
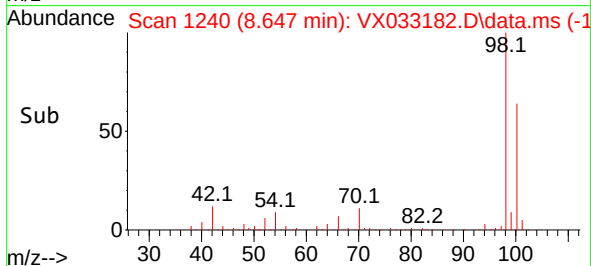
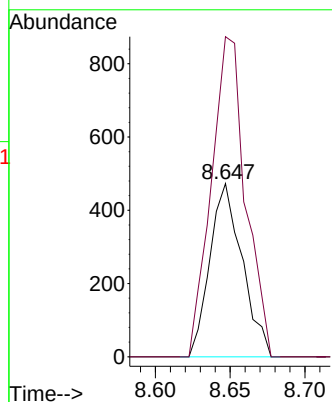
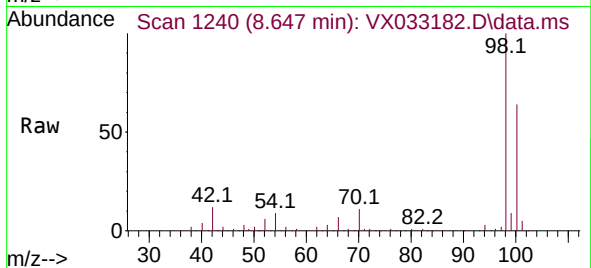
22-MW-4IDL

Tgt Ion: 43 Resp: 712

Ion Ratio Lower Upper

43 100

58 195.8 30.9 46.3#



#62

4-Bromofluorobenzene

Concen: 43.490 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX033182.D

Acq: 02 Dec 2022 13:53

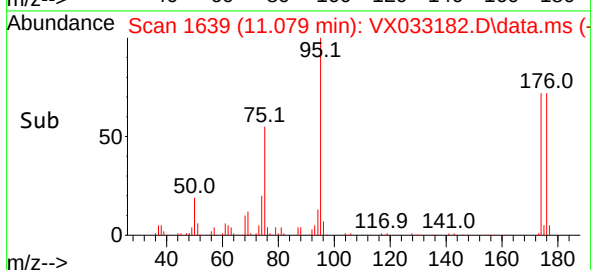
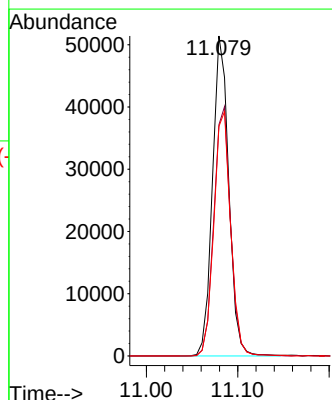
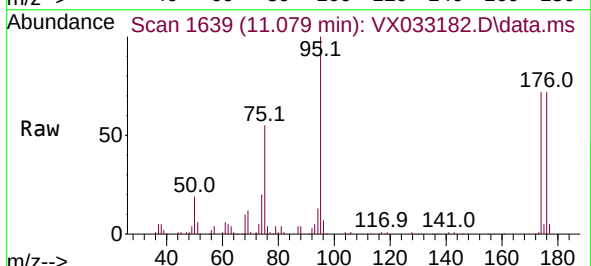
Tgt Ion: 95 Resp: 63514

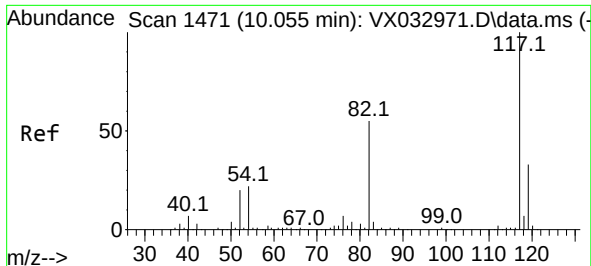
Ion Ratio Lower Upper

95 100

174 79.9 0.0 164.0

176 78.9 0.0 154.4

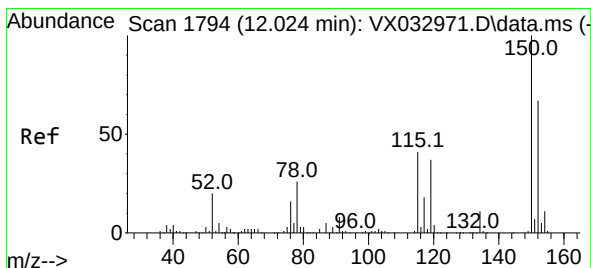
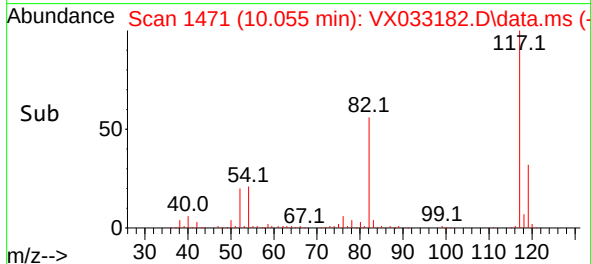
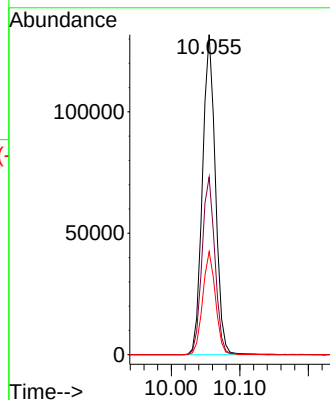
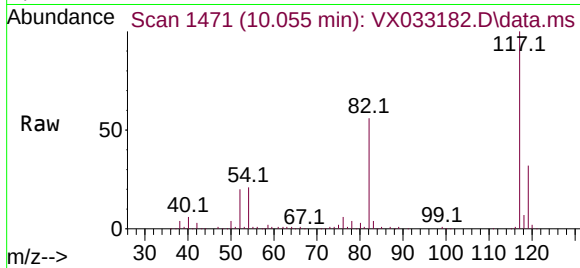




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033182.D
Acq: 02 Dec 2022 13:53

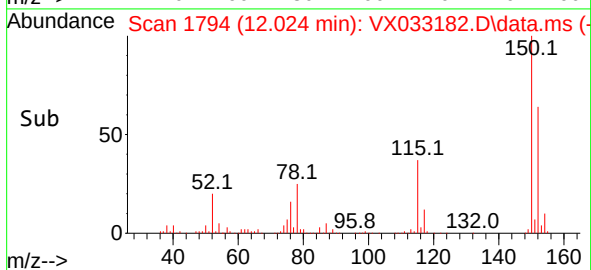
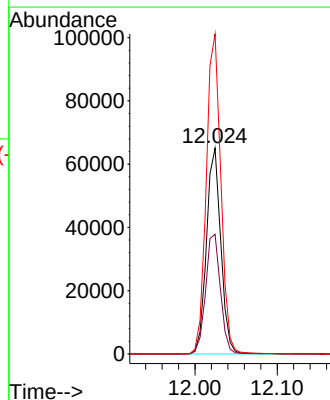
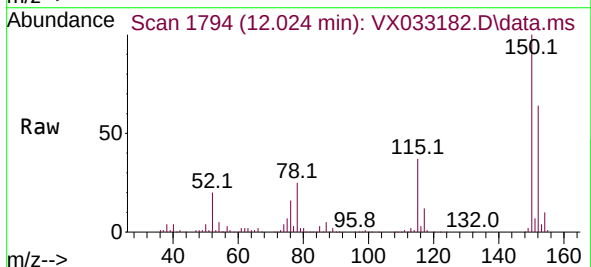
Instrument :
MSVOA_X
ClientSampleId :
22-MW-4IDL

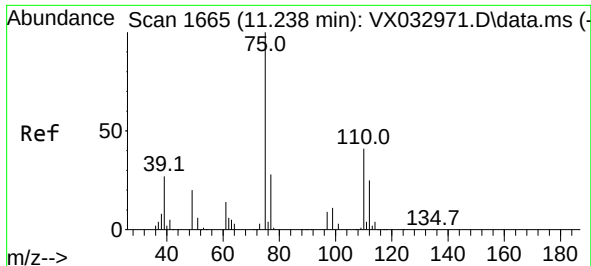
Tgt Ion:117 Resp: 173646
Ion Ratio Lower Upper
117 100
82 55.5 44.3 66.5
119 32.2 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033182.D
Acq: 02 Dec 2022 13:53

Tgt Ion:152 Resp: 78984
Ion Ratio Lower Upper
152 100
115 60.2 44.0 132.0
150 157.5 0.0 351.8

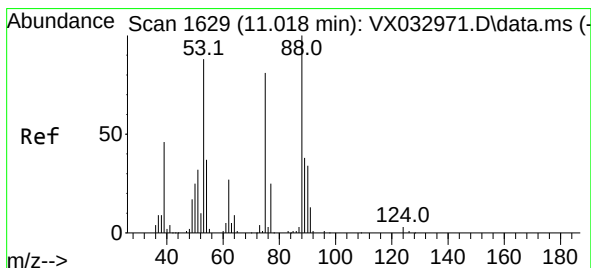
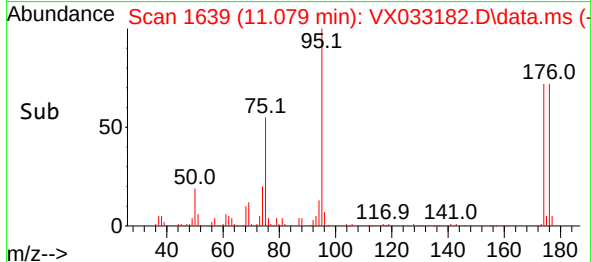
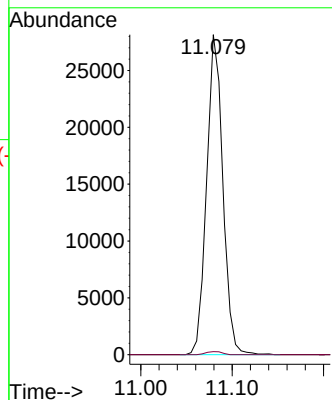
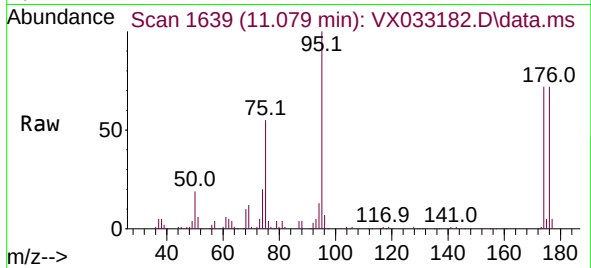




#76
1,2,3-Trichloropropane
Concen: 23.118 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX033182.D
Acq: 02 Dec 2022 13:53

Instrument :
MSVOA_X
ClientSampleId :
22-MW-4IDL

Tgt Ion: 75 Resp: 34581
Ion Ratio Lower Upper
75 100
77 0.9 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.145 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033182.D
Acq: 02 Dec 2022 13:53

Tgt Ion: 75 Resp: 34581
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

