

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
 Data File : VX043982.D
 Acq On : 25 Nov 2024 13:31
 Operator : JC/MD
 Sample : P4846-01DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-MW-EVAL-03D-20241113DL

Quant Time: Nov 27 07:39:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

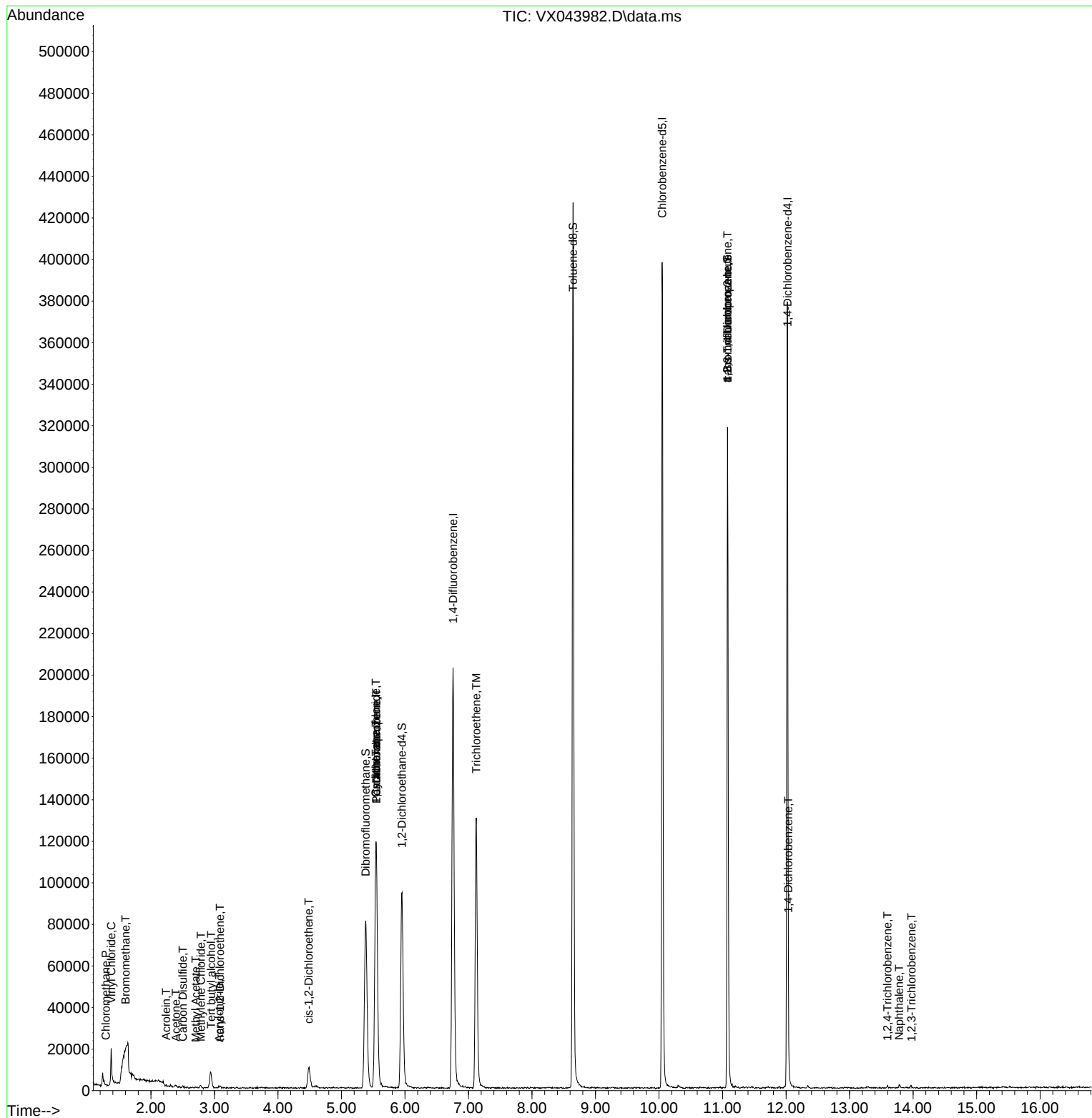
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	107746	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	202746	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	176451	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	73448	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	93012	50.330	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	100.660%
35) Dibromofluoromethane	5.379	113	69517	47.985	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.980%
50) Toluene-d8	8.647	98	247863	49.633	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.260%
62) 4-Bromofluorobenzene	11.079	95	81837	48.152	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.300%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	309	0.215	ug/l #	42
4) Vinyl Chloride	1.374	62	10448	6.839	ug/l	93
5) Bromomethane	1.599	94	645	0.686	ug/l	88
11) Tert butyl alcohol	2.946	59	4505	15.188	ug/l #	75
13) Acrolein	2.239	56	142	0.454	ug/l #	83
15) Acrylonitrile	3.074	53	154	0.213	ug/l #	1
16) Acetone	2.392	43	967	1.139	ug/l #	80
17) Carbon Disulfide	2.501	76	808	0.316	ug/l #	76
18) Methyl Acetate	2.703	43	450	0.228	ug/l #	52
20) Methylene Chloride	2.788	84	468	0.325	ug/l #	65
21) trans-1,2-Dichloroethene	3.087	96	274	0.214	ug/l #	69
27) cis-1,2-Dichloroethene	4.483	96	6365	4.017	ug/l	89
31) Cyclohexane	5.544	56	3030	1.471	ug/l #	42
36) 1,1-Dichloropropene	5.550	75	10251	5.678	ug/l #	50
38) Carbon Tetrachloride	5.544	117	12180	6.004	ug/l #	17
44) Trichloroethene	7.123	130	49229	30.925	ug/l	89
76) 1,2,3-Trichloropropane	11.079	75	46651	28.963	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	46651	79.033	ug/l #	6
88) 1,4-Dichlorobenzene	12.036	146	714	0.285	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.597	180	347	0.238	ug/l	71
95) Naphthalene	13.780	128	1645	0.313	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.975	180	320	0.217	ug/l	79

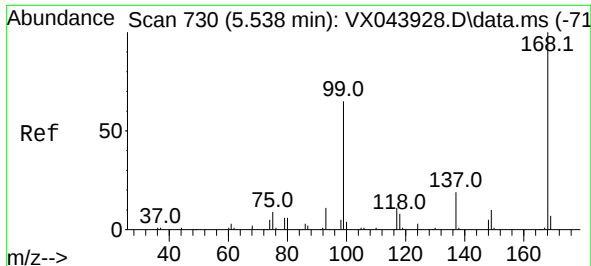
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

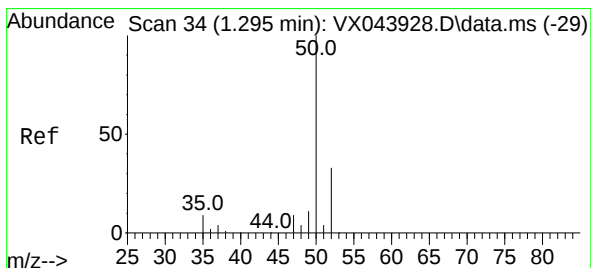
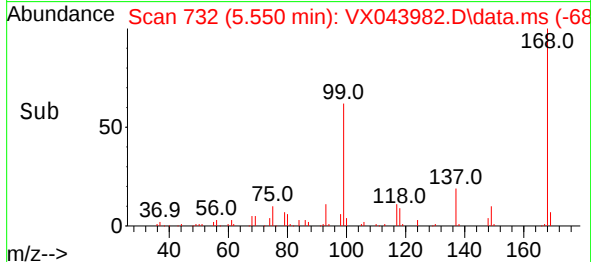
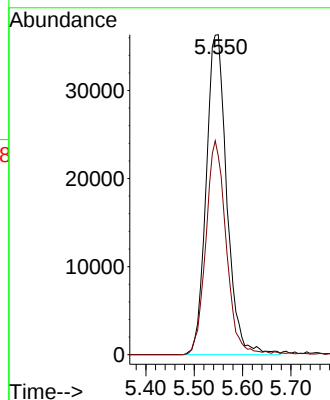
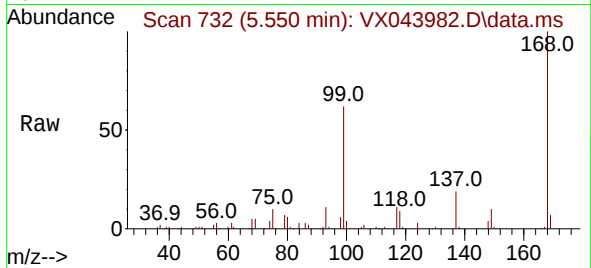




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX043982.D
Acq: 25 Nov 2024 13:31

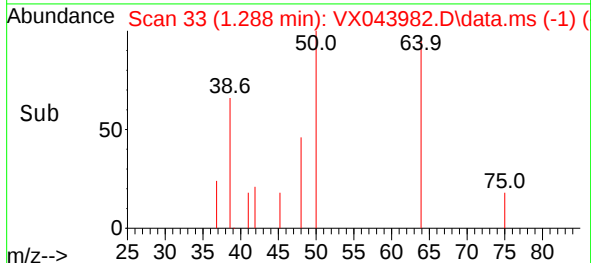
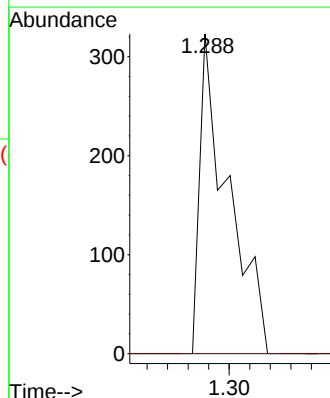
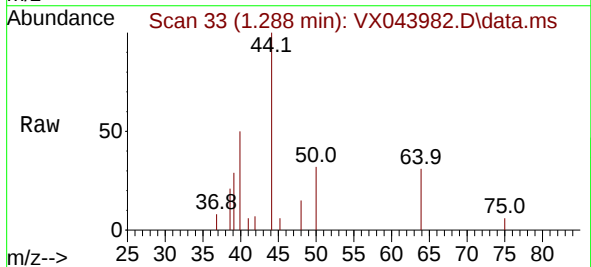
Instrument : MSVOA_X
ClientSampleId : FSND-MW-EVAL-03D-20241113DL

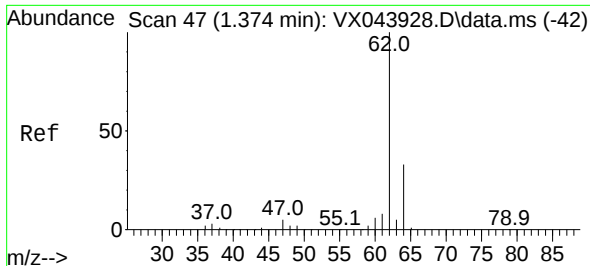
Tgt Ion:168 Resp: 107746
Ion Ratio Lower Upper
168 100
99 62.1 51.8 77.8



#3
Chloromethane
Concen: 0.215 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX043982.D
Acq: 25 Nov 2024 13:31

Tgt Ion: 50 Resp: 309
Ion Ratio Lower Upper
50 100
52 0.0 26.1 39.1#

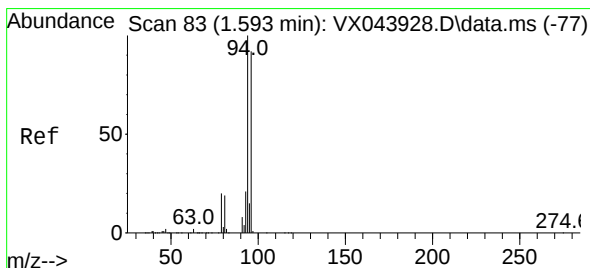
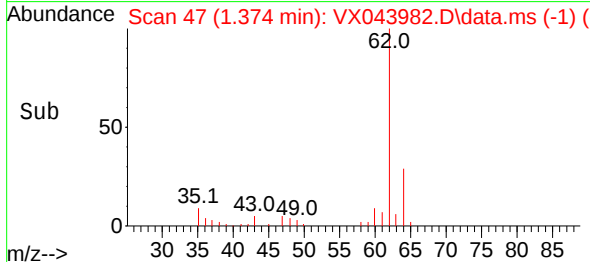
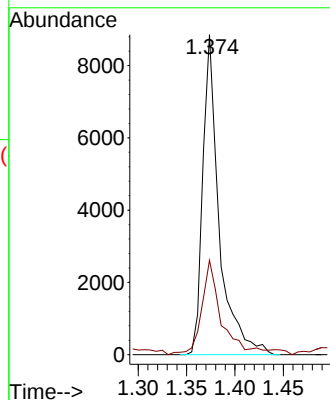
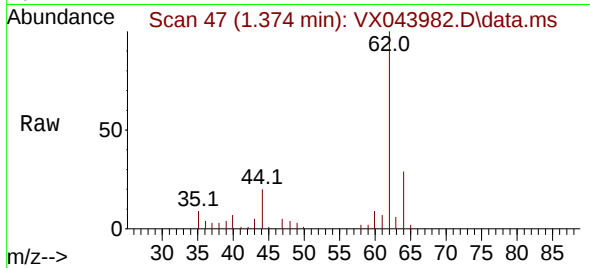




#4
Vinyl Chloride
Concen: 6.839 ug/l
RT: 1.374 min Scan# 41
Delta R.T. -0.000 min
Lab File: VX043982.D
Acq: 25 Nov 2024 13:31

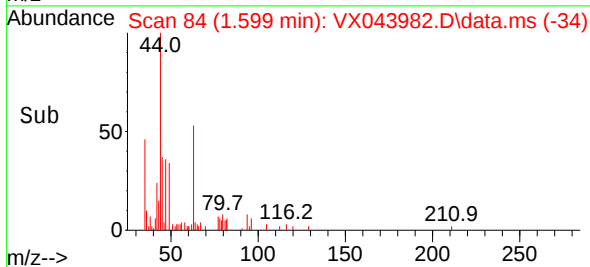
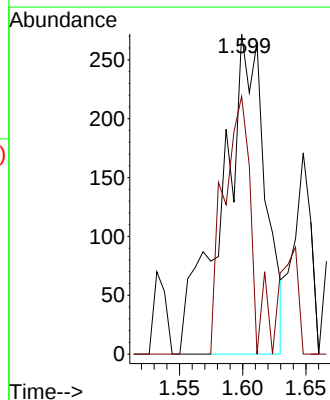
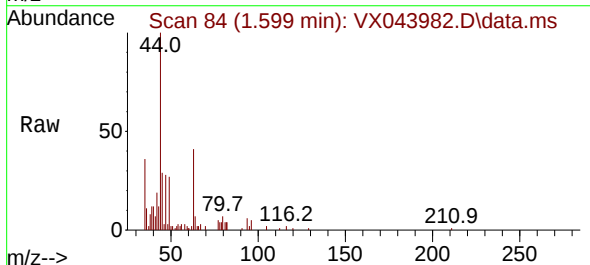
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-03D-20241113DL

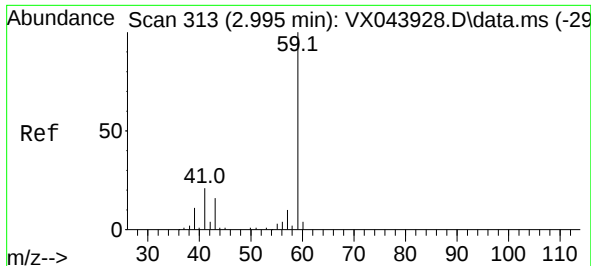
Tgt Ion: 62 Resp: 10448
Ion Ratio Lower Upper
62 100
64 28.7 26.2 39.4



#5
Bromomethane
Concen: 0.686 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX043982.D
Acq: 25 Nov 2024 13:31

Tgt Ion: 94 Resp: 645
Ion Ratio Lower Upper
94 100
96 80.5 73.9 110.9





#11

Tert butyl alcohol

Concen: 15.188 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.049 min

Lab File: VX043982.D

Acq: 25 Nov 2024 13:31

Instrument :

MSVOA_X

ClientSampleId :

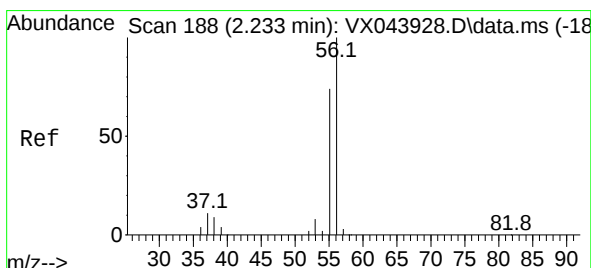
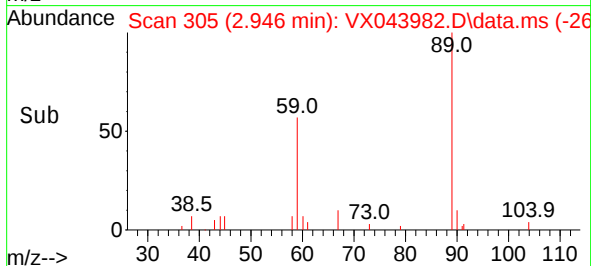
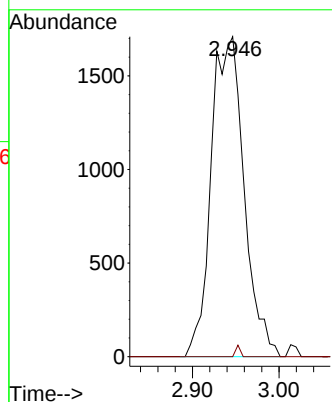
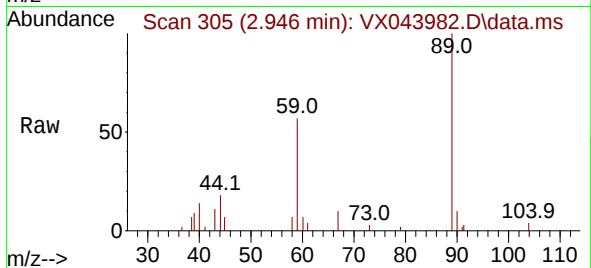
FSND-MW-EVAL-03D-20241113DL

Tgt Ion: 59 Resp: 4505

Ion Ratio Lower Upper

59 100

57 0.5 7.9 11.9#



#13

Acrolein

Concen: 0.454 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX043982.D

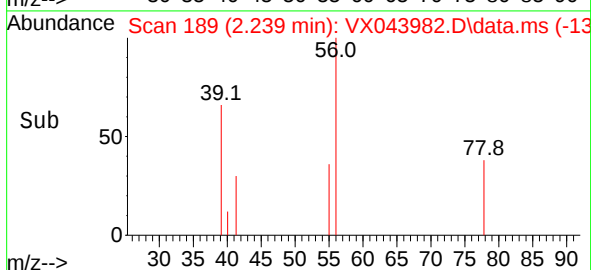
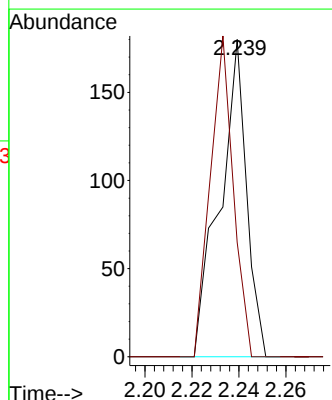
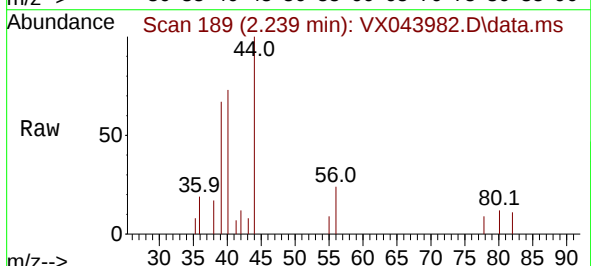
Acq: 25 Nov 2024 13:31

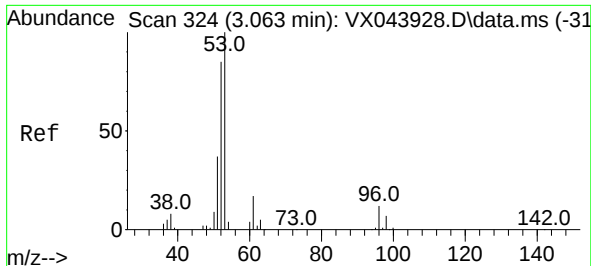
Tgt Ion: 56 Resp: 142

Ion Ratio Lower Upper

56 100

55 87.3 58.2 87.2#





#15

Acrylonitrile

Concen: 0.213 ug/l

RT: 3.074 min Scan# 31

Delta R.T. 0.012 min

Lab File: VX043982.D

Acq: 25 Nov 2024 13:31

Instrument :

MSVOA_X

ClientSampleId :

FSND-MW-EVAL-03D-20241113DL

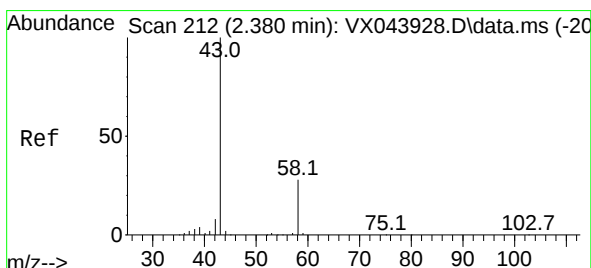
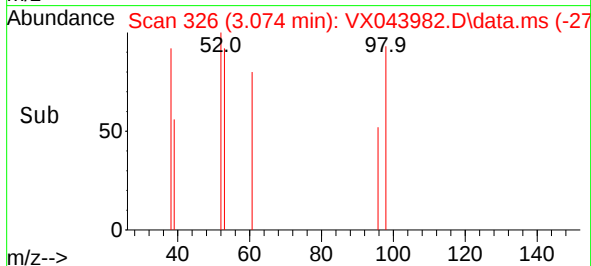
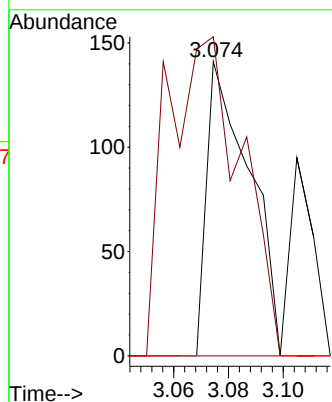
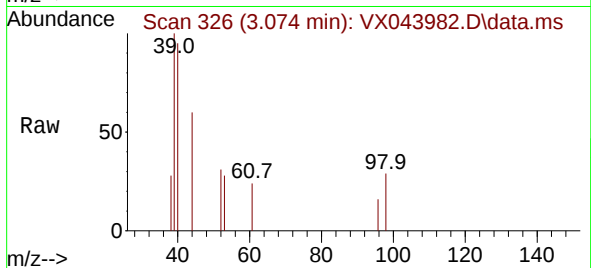
Tgt Ion: 53 Resp: 154

Ion Ratio Lower Upper

53 100

52 187.0 66.5 99.7#

51 0.0 30.2 45.4#



#16

Acetone

Concen: 1.139 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.012 min

Lab File: VX043982.D

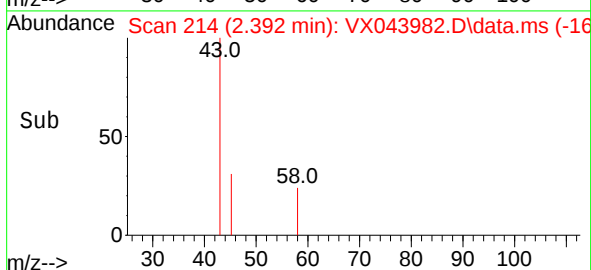
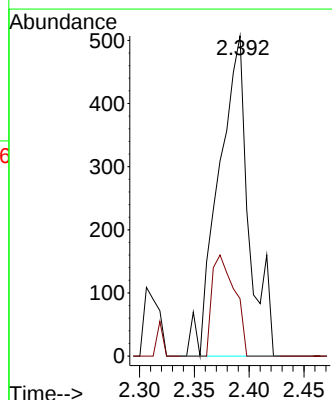
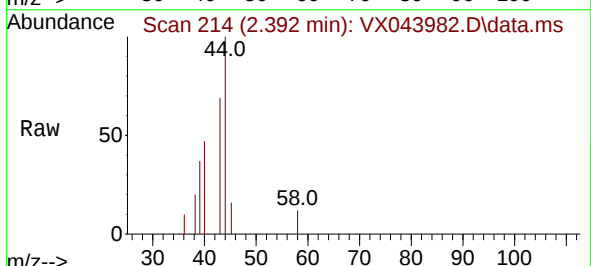
Acq: 25 Nov 2024 13:31

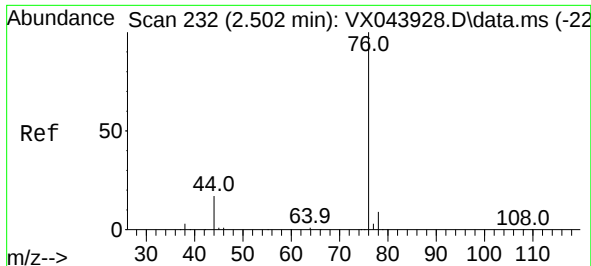
Tgt Ion: 43 Resp: 967

Ion Ratio Lower Upper

43 100

58 17.9 22.7 34.1#





#17

Carbon Disulfide

Concen: 0.316 ug/l

RT: 2.501 min Scan# 241

Delta R.T. -0.000 min

Lab File: VX043982.D

Acq: 25 Nov 2024 13:31

Instrument :

MSVOA_X

ClientSampleId :

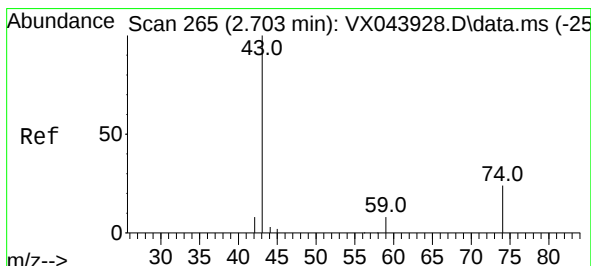
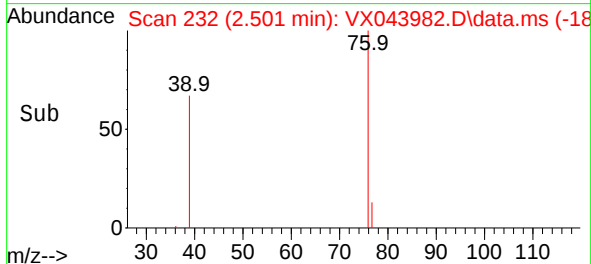
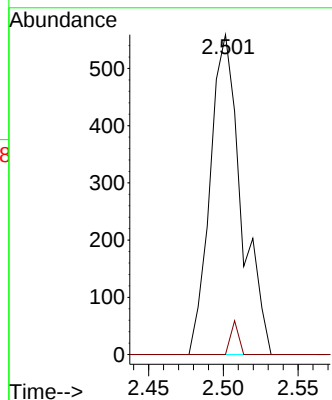
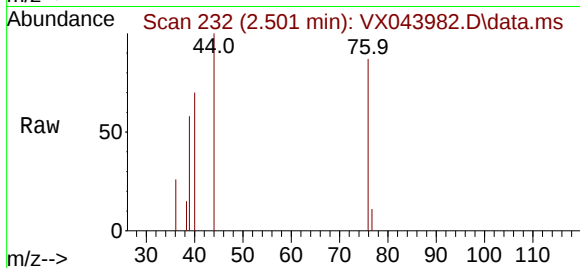
FSND-MW-EVAL-03D-20241113DL

Tgt Ion: 76 Resp: 808

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#18

Methyl Acetate

Concen: 0.228 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX043982.D

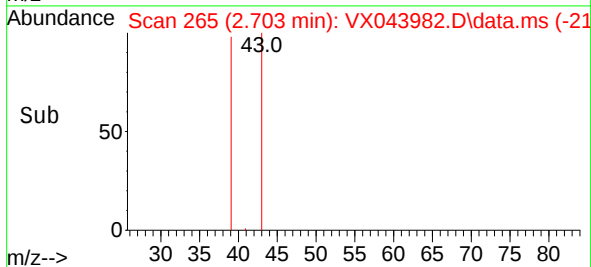
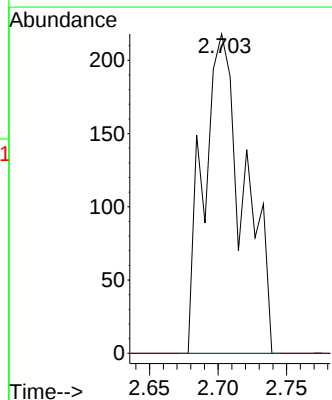
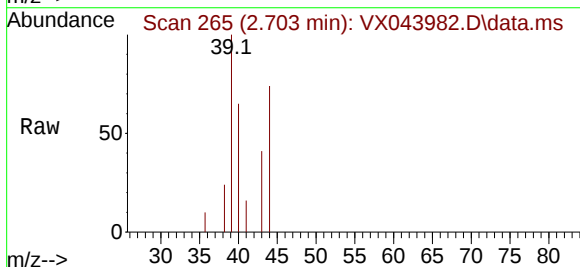
Acq: 25 Nov 2024 13:31

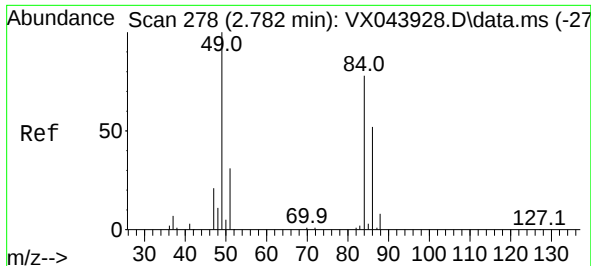
Tgt Ion: 43 Resp: 450

Ion Ratio Lower Upper

43 100

74 0.0 18.9 28.3#





#20

Methylene Chloride

Concen: 0.325 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX043982.D

Acq: 25 Nov 2024 13:31

Instrument :

MSVOA_X

ClientSampleId :

FSND-MW-EVAL-03D-20241113DL

Tgt Ion: 84 Resp: 468

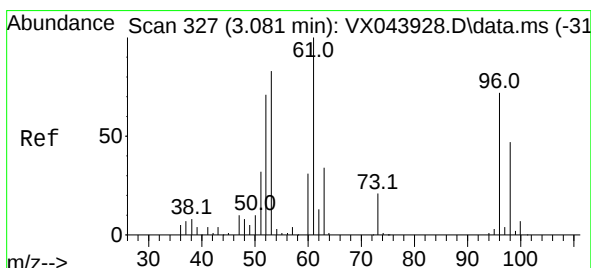
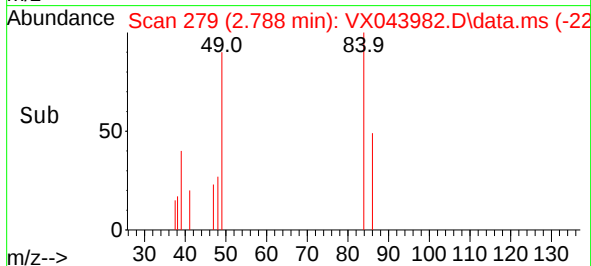
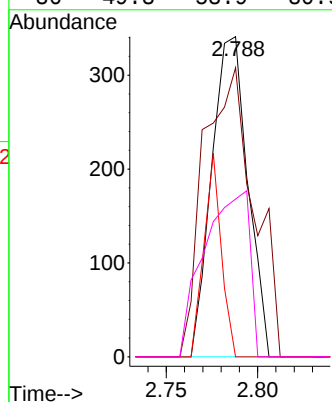
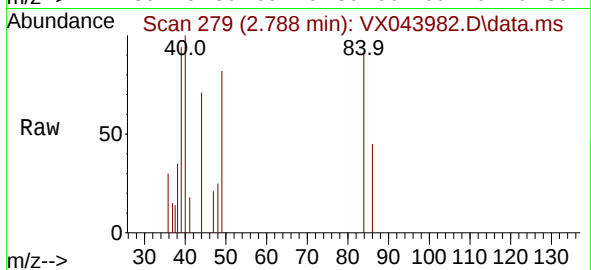
Ion Ratio Lower Upper

84 100

49 90.3 102.7 154.1#

51 0.0 31.7 47.5#

86 49.3 53.9 80.9#



#21

trans-1,2-Dichloroethene

Concen: 0.214 ug/l

RT: 3.087 min Scan# 328

Delta R.T. 0.006 min

Lab File: VX043982.D

Acq: 25 Nov 2024 13:31

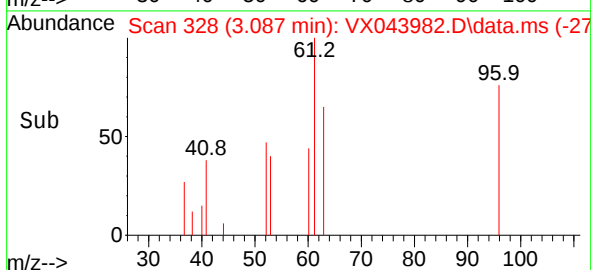
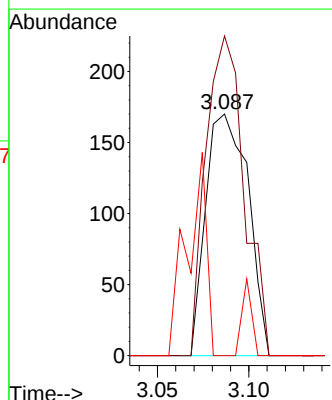
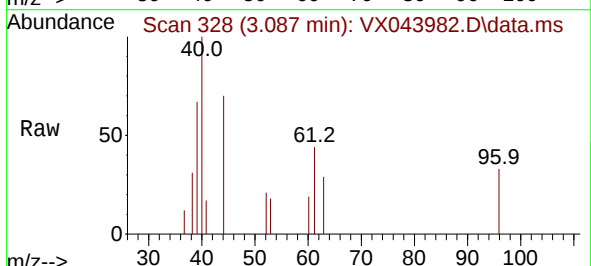
Tgt Ion: 96 Resp: 274

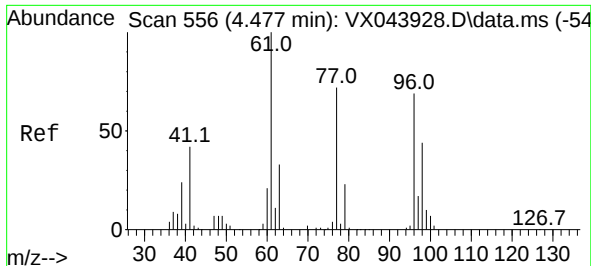
Ion Ratio Lower Upper

96 100

61 132.4 111.8 167.6

98 0.0 52.7 79.1#





#27

cis-1,2-Dichloroethene

Concen: 4.017 ug/l

RT: 4.483 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX043982.D

Acq: 25 Nov 2024 13:31

Instrument :

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ClientSampleId :

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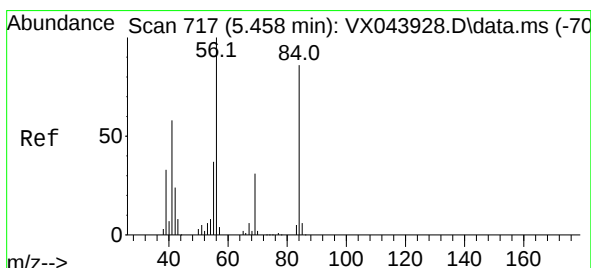
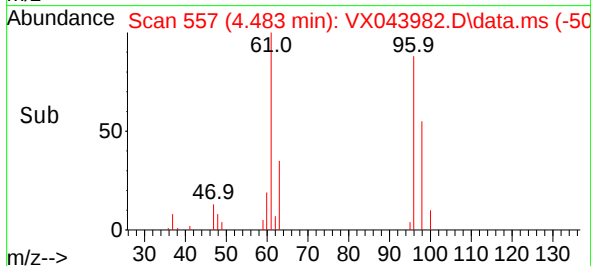
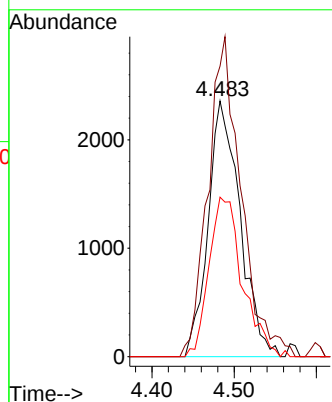
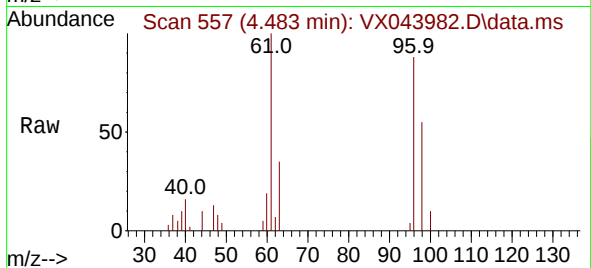
Tgt Ion: 96 Resp: 6365

Ion Ratio Lower Upper

96 100

61 129.6 0.0 297.4

98 65.5 0.0 127.8



#31

Cyclohexane

Concen: 1.471 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.085 min

Lab File: VX043982.D

Acq: 25 Nov 2024 13:31

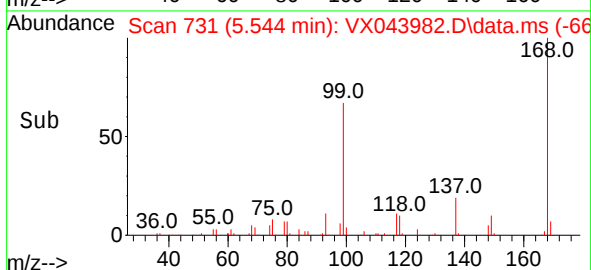
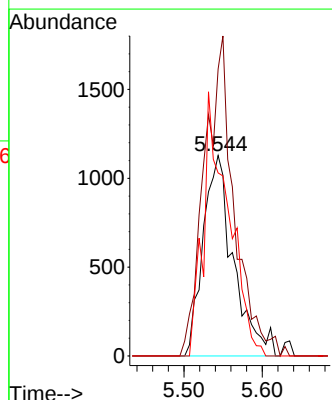
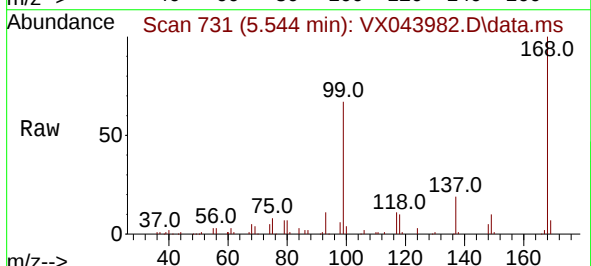
Tgt Ion: 56 Resp: 3030

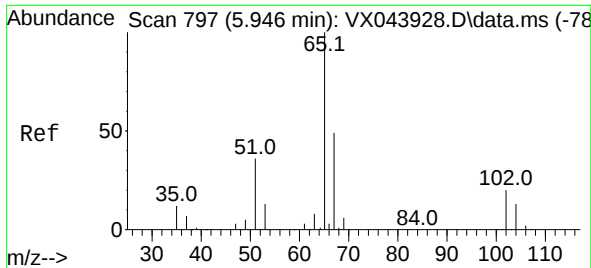
Ion Ratio Lower Upper

56 100

69 143.2 24.7 37.1#

84 91.3 68.7 103.1

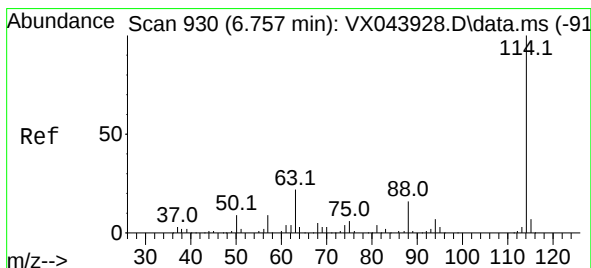
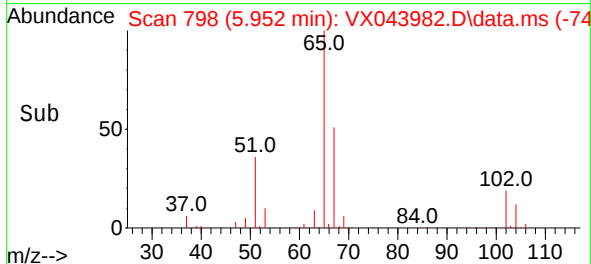
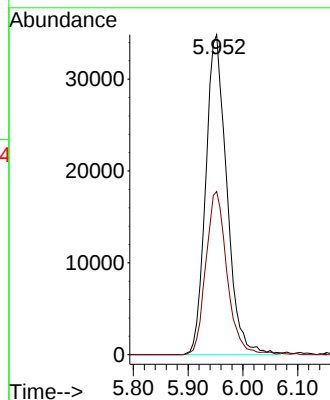
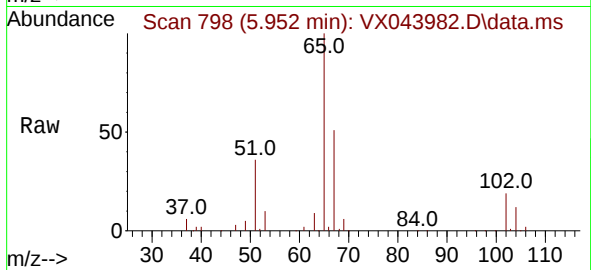




#33
 1,2-Dichloroethane-d4
 Concen: 50.330 ug/l
 RT: 5.952 min Scan# 797
 Delta R.T. 0.006 min
 Lab File: VX043982.D
 Acq: 25 Nov 2024 13:31

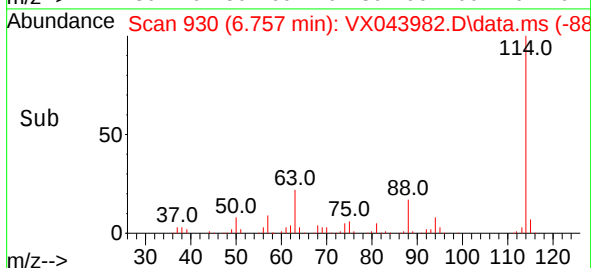
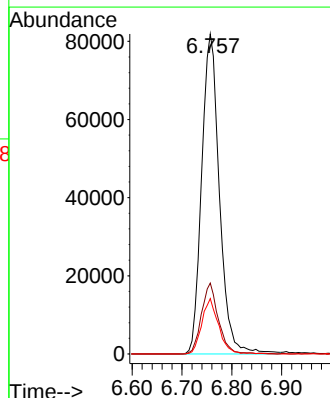
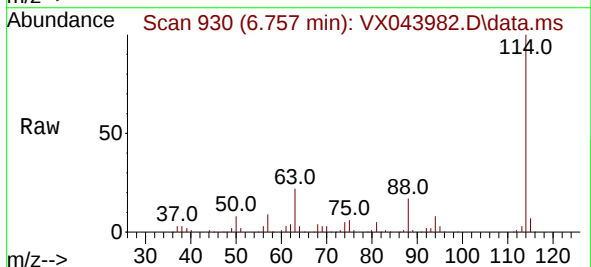
Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-MW-EVAL-03D-20241113DL

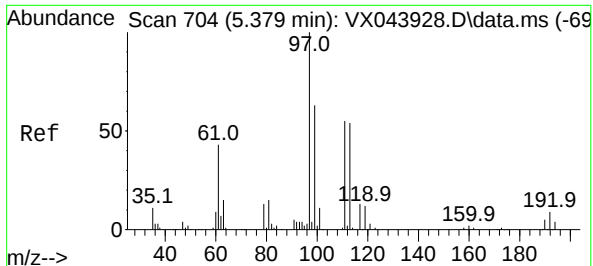
Tgt Ion: 65 Resp: 93012
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX043982.D
 Acq: 25 Nov 2024 13:31

Tgt Ion:114 Resp: 202746
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 44.0
 88 17.3 0.0 32.4





#35

Dibromofluoromethane

Concen: 47.985 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX043982.D

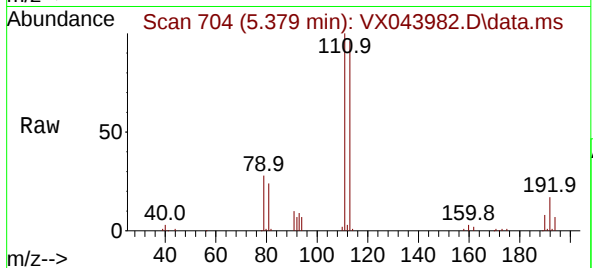
Acq: 25 Nov 2024 13:31

Instrument :

MSVOA_X

ClientSampleId :

FSND-MW-EVAL-03D-20241113DL



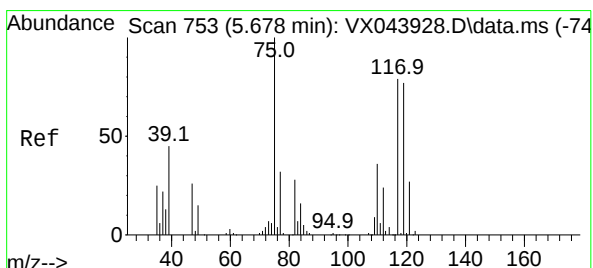
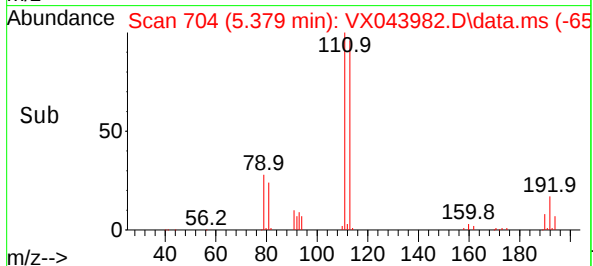
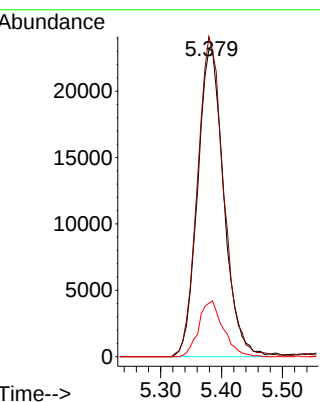
Tgt Ion:113 Resp: 69517

Ion Ratio Lower Upper

113 100

111 103.3 81.0 121.4

192 16.9 13.0 19.6



#36

1,1-Dichloropropene

Concen: 5.678 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX043982.D

Acq: 25 Nov 2024 13:31

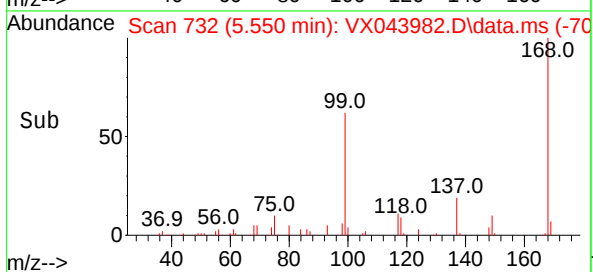
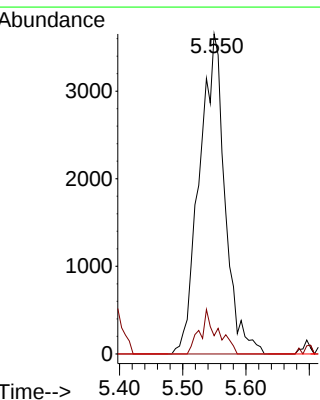
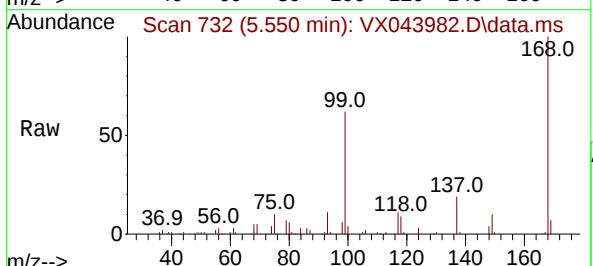
Tgt Ion: 75 Resp: 10251

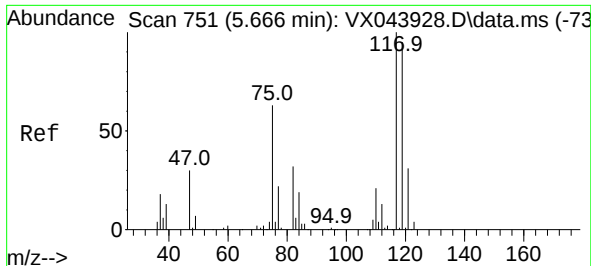
Ion Ratio Lower Upper

75 100

110 9.6 17.4 52.2#

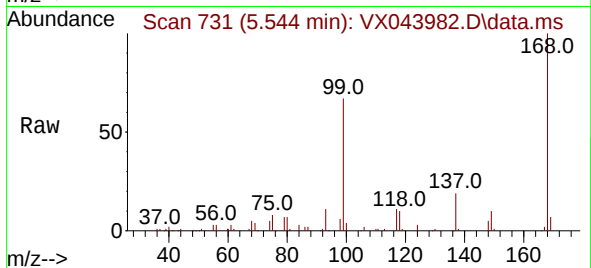
77 0.0 25.8 38.8#



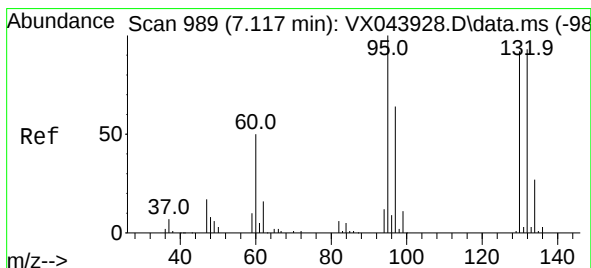
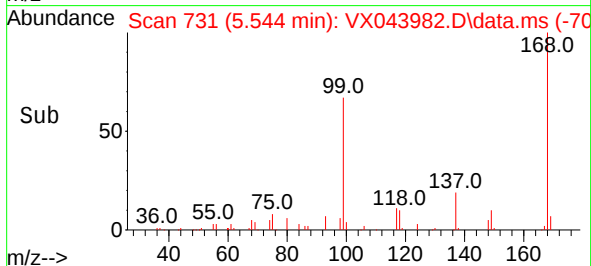
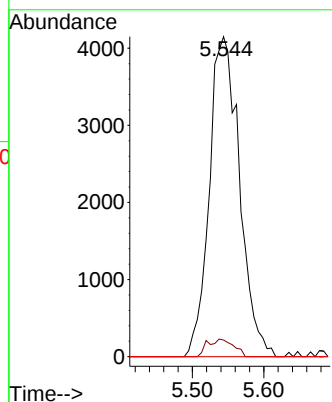


#38
Carbon Tetrachloride
Concen: 6.004 ug/l
RT: 5.544 min Scan# 751
Delta R.T. -0.122 min
Lab File: VX043982.D
Acq: 25 Nov 2024 13:31

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-03D-20241113DL

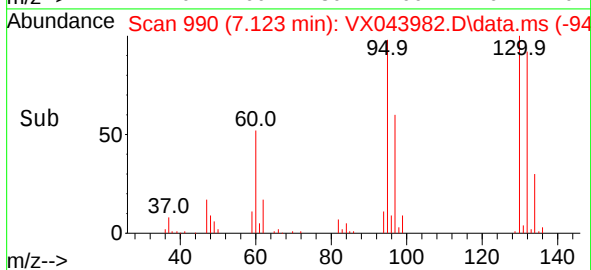
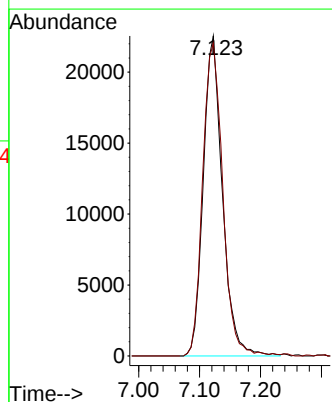
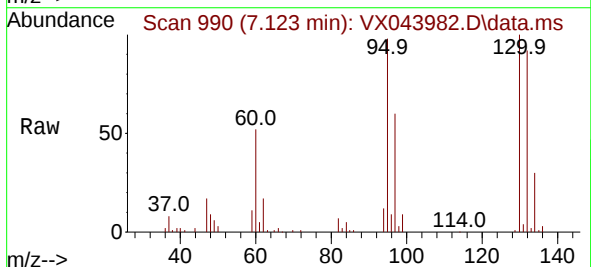


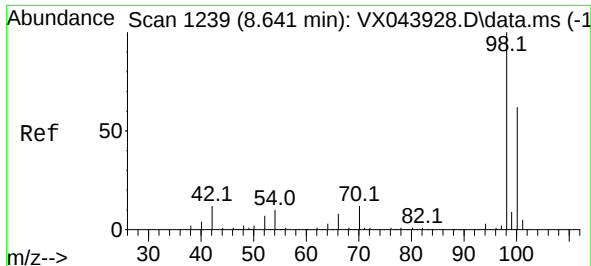
Tgt Ion:117 Resp: 12180
Ion Ratio Lower Upper
117 100
119 5.2 75.2 112.8#
121 0.0 24.5 36.7#



#44
Trichloroethene
Concen: 30.925 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043982.D
Acq: 25 Nov 2024 13:31

Tgt Ion:130 Resp: 49229
Ion Ratio Lower Upper
130 100
95 97.8 0.0 217.8





#50

Toluene-d8

Concen: 49.633 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX043982.D

Acq: 25 Nov 2024 13:31

Instrument :

MSVOA_X

ClientSampleId :

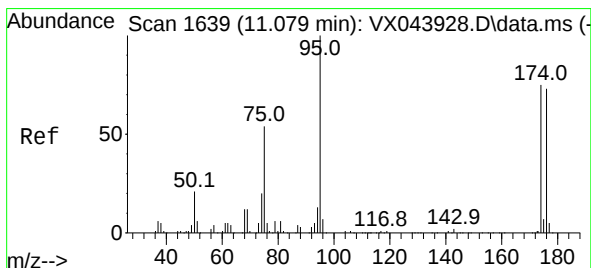
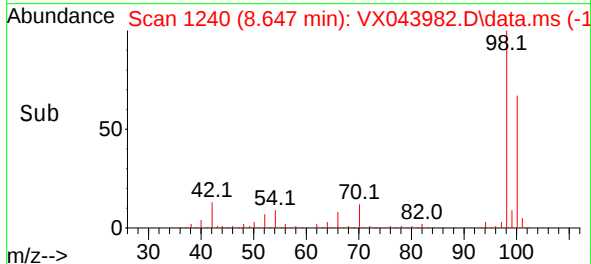
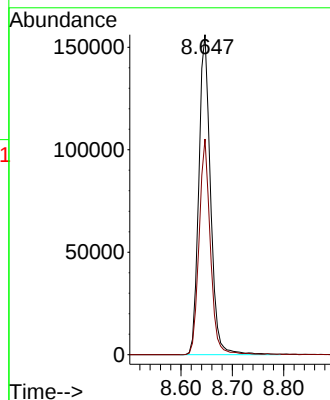
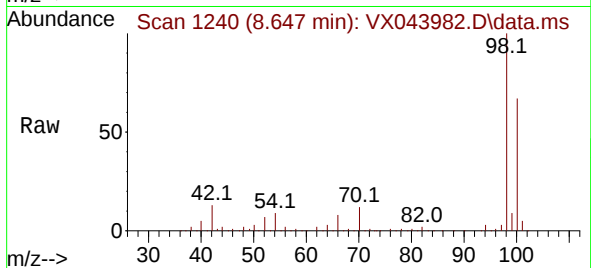
FSND-MW-EVAL-03D-20241113DL

Tgt Ion: 98 Resp: 247863

Ion Ratio Lower Upper

98 100

100 64.9 52.6 79.0



#62

4-Bromofluorobenzene

Concen: 48.152 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043982.D

Acq: 25 Nov 2024 13:31

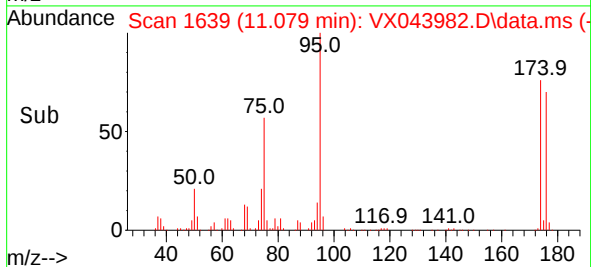
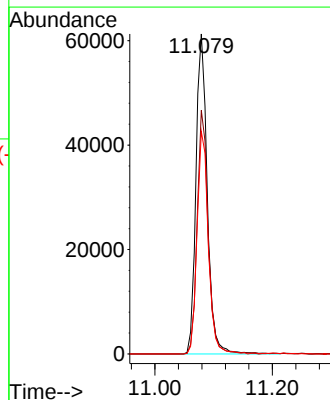
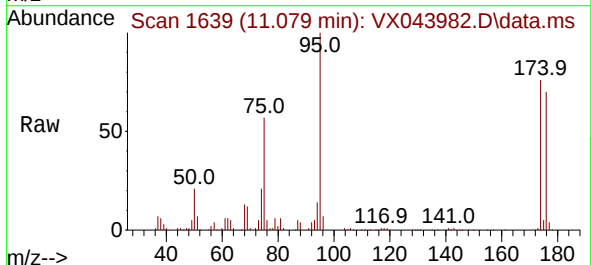
Tgt Ion: 95 Resp: 81837

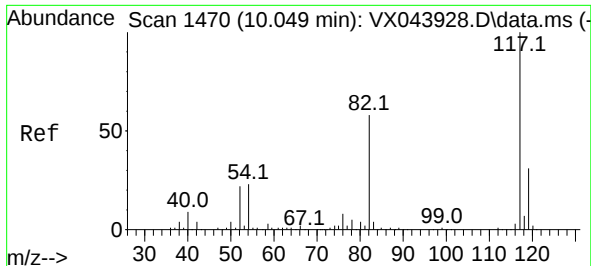
Ion Ratio Lower Upper

95 100

174 74.2 0.0 150.4

176 69.2 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX043982.D

Acq: 25 Nov 2024 13:31

Instrument :

MSVOA_X

ClientSampleId :

FSND-MW-EVAL-03D-20241113DL

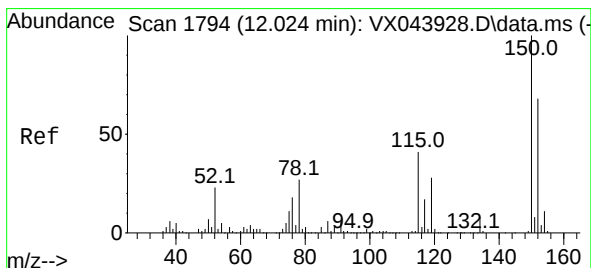
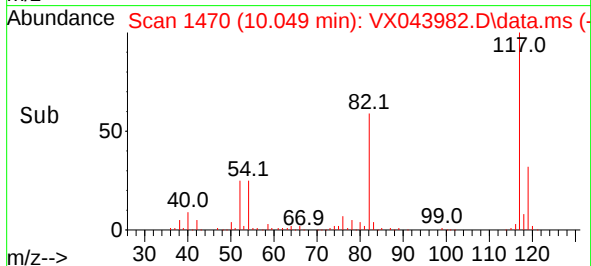
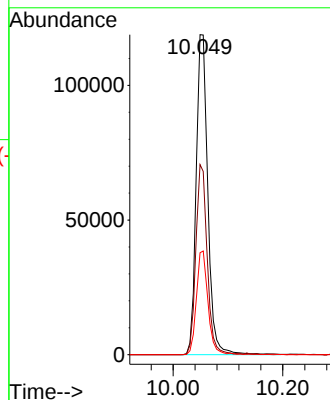
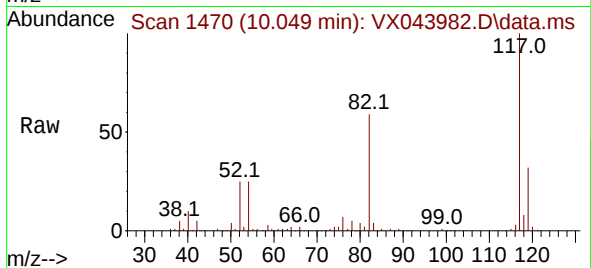
Tgt Ion:117 Resp: 176451

Ion Ratio Lower Upper

117 100

82 59.4 46.4 69.6

119 31.8 24.6 37.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX043982.D

Acq: 25 Nov 2024 13:31

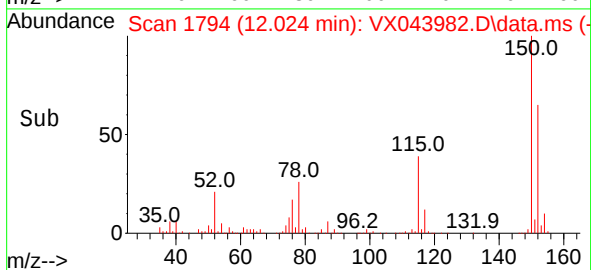
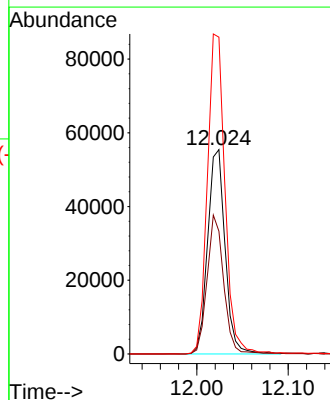
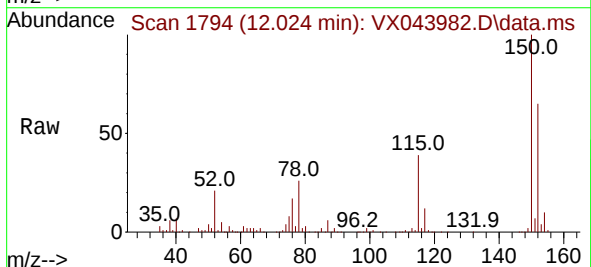
Tgt Ion:152 Resp: 73448

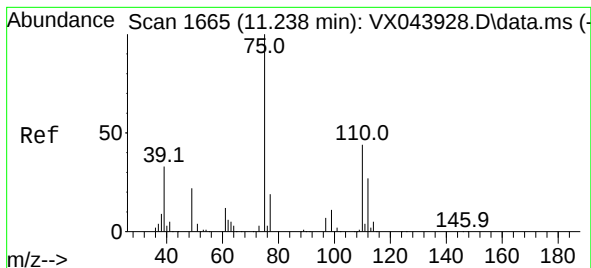
Ion Ratio Lower Upper

152 100

115 64.6 45.4 136.2

150 158.4 0.0 353.0





#76

1,2,3-Trichloropropane

Concen: 28.963 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX043982.D

Acq: 25 Nov 2024 13:31

Instrument :

MSVOA_X

ClientSampleId :

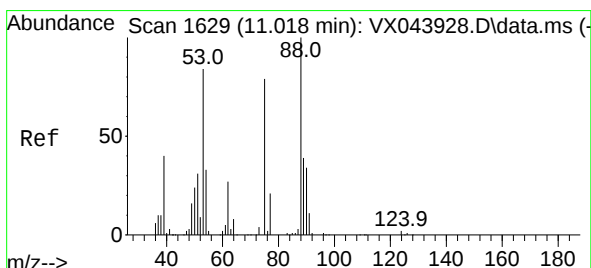
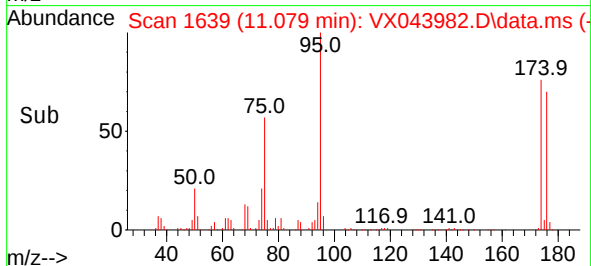
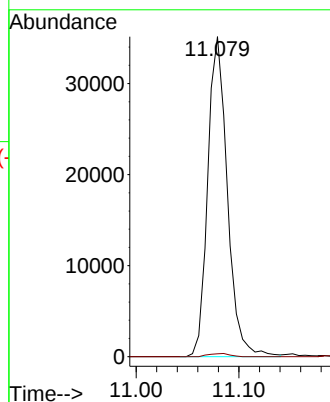
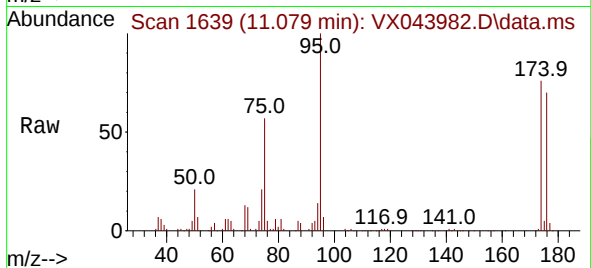
FSND-MW-EVAL-03D-20241113DL

Tgt Ion: 75 Resp: 46651

Ion Ratio Lower Upper

75 100

77 1.1 21.8 65.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 79.033 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX043982.D

Acq: 25 Nov 2024 13:31

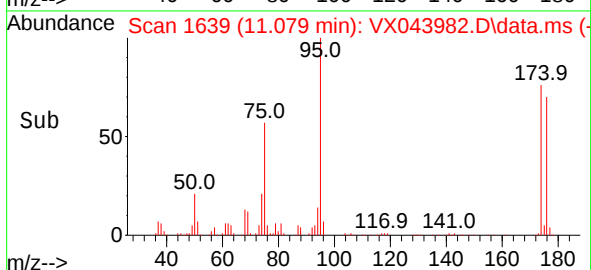
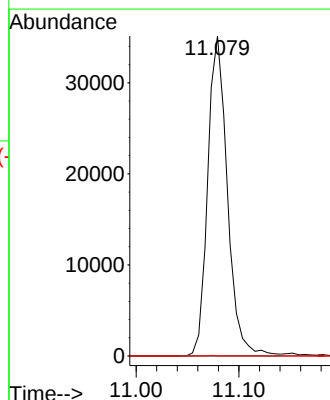
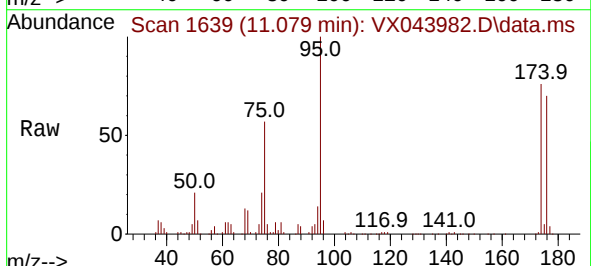
Tgt Ion: 75 Resp: 46651

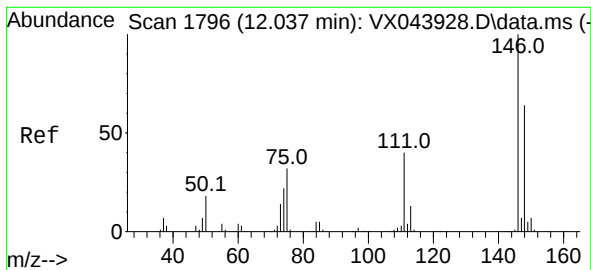
Ion Ratio Lower Upper

75 100

53 0.0 86.7 130.1#

89 0.0 38.2 57.2#





#88

1,4-Dichlorobenzene

Concen: 0.285 ug/l

RT: 12.036 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043982.D

Acq: 25 Nov 2024 13:31

Instrument :

MSVOA_X

ClientSampleId :

FSND-MW-EVAL-03D-20241113DL

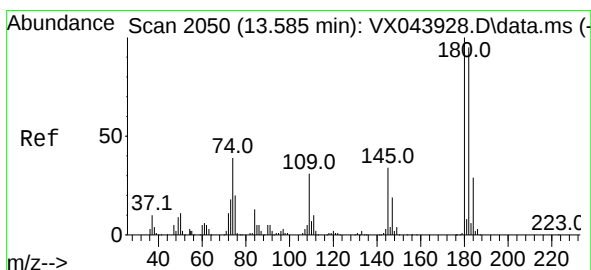
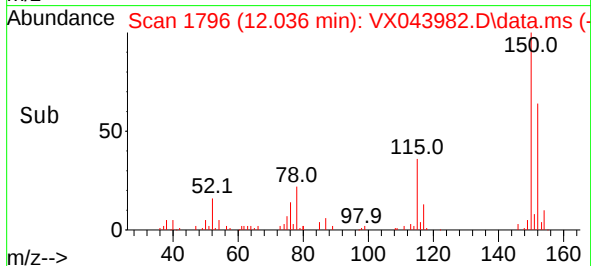
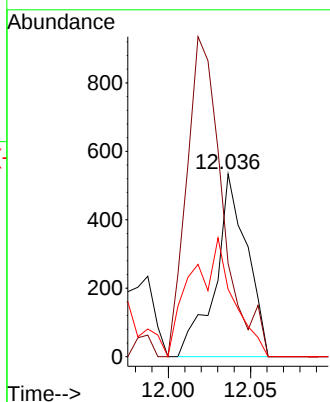
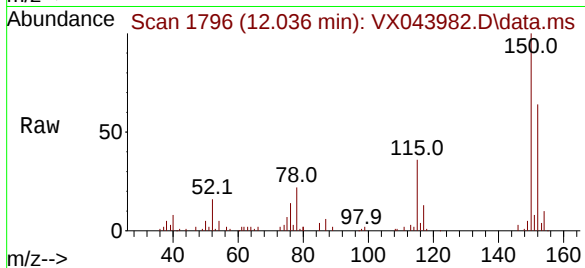
Tgt Ion:146 Resp: 714

Ion Ratio Lower Upper

146 100

111 197.5 20.1 60.3#

148 43.1 30.9 92.8



#93

1,2,4-Trichlorobenzene

Concen: 0.238 ug/l

RT: 13.597 min Scan# 2052

Delta R.T. 0.012 min

Lab File: VX043982.D

Acq: 25 Nov 2024 13:31

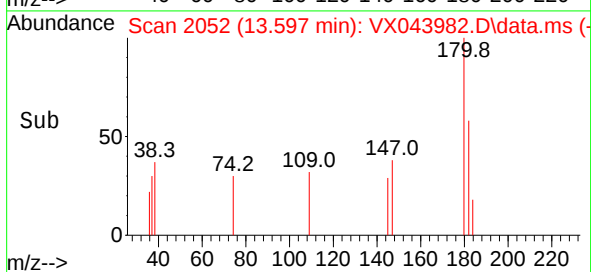
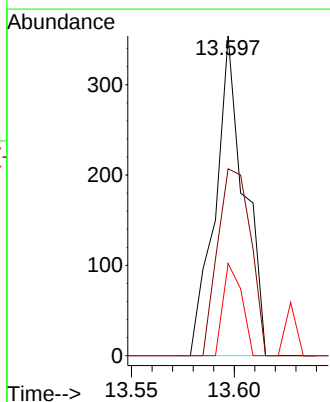
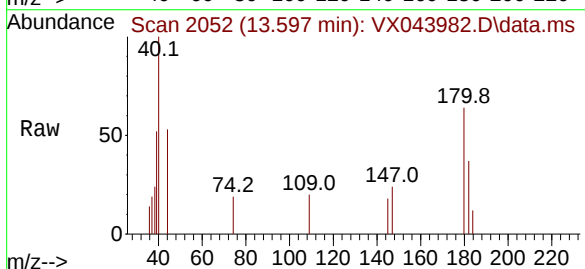
Tgt Ion:180 Resp: 347

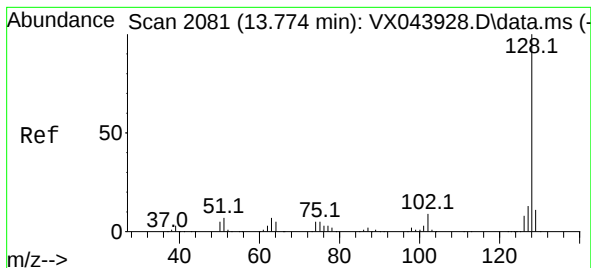
Ion Ratio Lower Upper

180 100

182 66.6 48.0 144.2

145 18.4 16.8 50.4





#95

Naphthalene

Concen: 0.313 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX043982.D

Acq: 25 Nov 2024 13:31

Instrument :

MSVOA_X

ClientSampleId :

FSND-MW-EVAL-03D-20241113DL

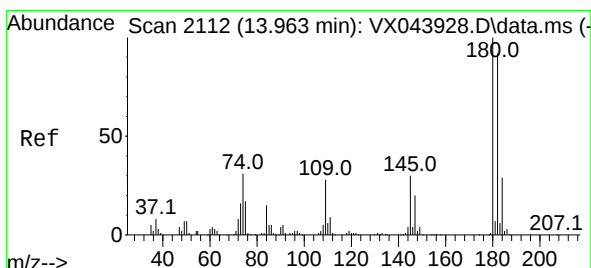
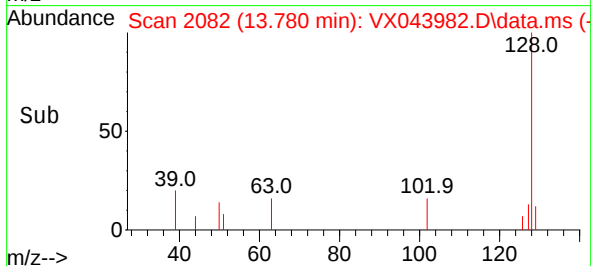
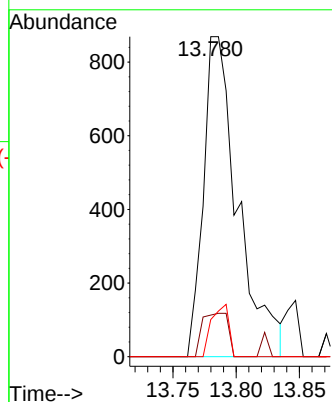
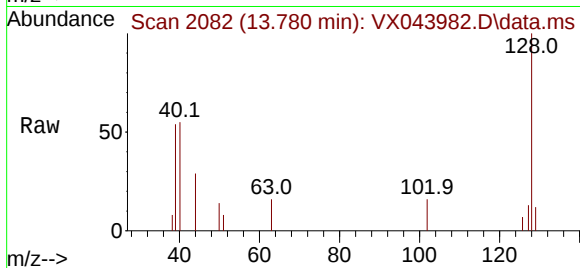
Tgt Ion:128 Resp: 1645

Ion Ratio Lower Upper

128 100

127 10.2 10.2 15.2#

129 8.1 8.6 12.8#



#96

1,2,3-Trichlorobenzene

Concen: 0.217 ug/l

RT: 13.975 min Scan# 2114

Delta R.T. 0.012 min

Lab File: VX043982.D

Acq: 25 Nov 2024 13:31

Tgt Ion:180 Resp: 320

Ion Ratio Lower Upper

180 100

182 117.8 45.6 136.8

145 32.8 16.4 49.4

