

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
 Data File : VX043992.D
 Acq On : 25 Nov 2024 17:21
 Operator : JC/MD
 Sample : P4873-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-GEP-3-20241114

Quant Time: Nov 27 07:43:48 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)

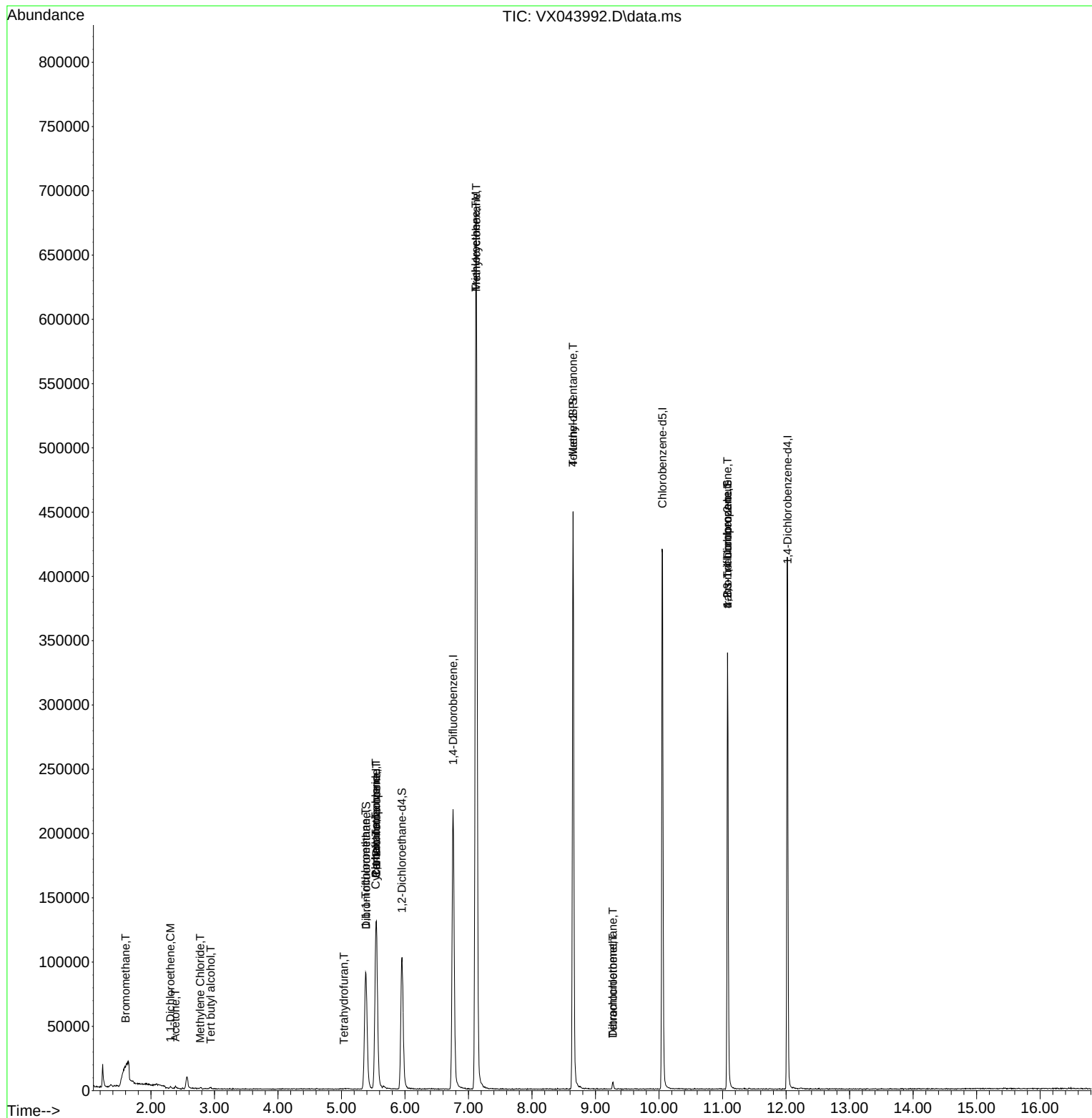
Internal Standards						
1) Pentafluorobenzene	5.544	168	117514	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	213727	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	189569	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	78823	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	98843	49.040	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.080%
35) Dibromofluoromethane	5.385	113	74168	48.565	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.140%
50) Toluene-d8	8.647	98	263027	49.964	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.920%
62) 4-Bromofluorobenzene	11.079	95	86837	48.469	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.940%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	711	0.694	ug/l	94
11) Tert butyl alcohol	2.940	59	464	1.434	ug/l #	73
12) 1,1-Dichloroethene	2.306	96	311	0.230	ug/l #	45
16) Acetone	2.386	43	1513	1.634	ug/l	91
20) Methylene Chloride	2.776	84	463	0.295	ug/l #	66
29) Tetrahydrofuran	5.038	42	151	0.206	ug/l #	32
31) Cyclohexane	5.538	56	3295	1.467	ug/l #	50
32) 1,1,1-Trichloroethane	5.379	97	4740	1.872	ug/l	93
36) 1,1-Dichloropropene	5.550	75	10898	5.727	ug/l #	50
38) Carbon Tetrachloride	5.544	117	13176	6.162	ug/l #	16
39) Methylcyclohexane	7.123	83	3537	1.431	ug/l #	1
44) Trichloroethene	7.117	130	252075	150.213	ug/l	88
51) 4-Methyl-2-Pentanone	8.647	43	1436	0.626	ug/l #	1
60) Dibromochloromethane	9.275	129	840	0.572	ug/l #	11
64) Tetrachloroethene	9.275	164	931	0.745	ug/l #	86
76) 1,2,3-Trichloropropane	11.079	75	49587	28.687	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	49587	78.279	ug/l #	6

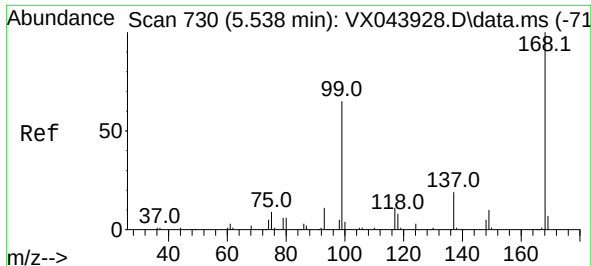
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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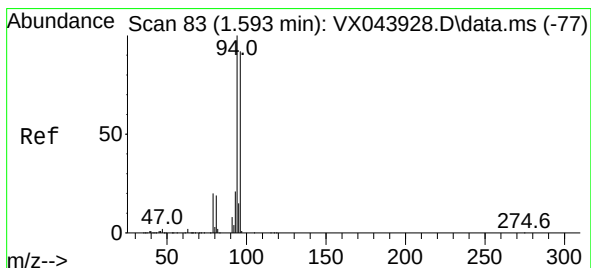
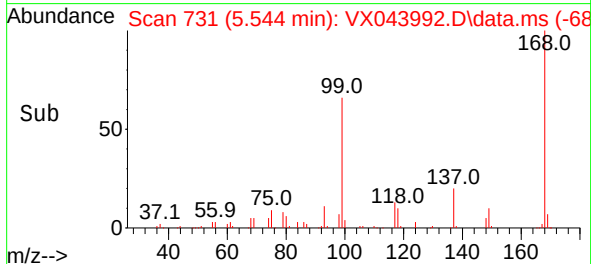
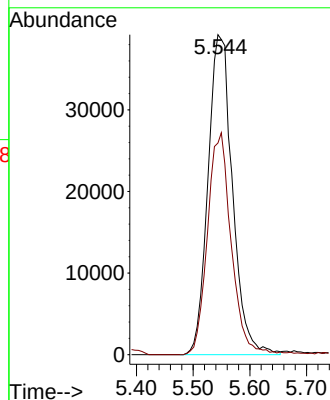
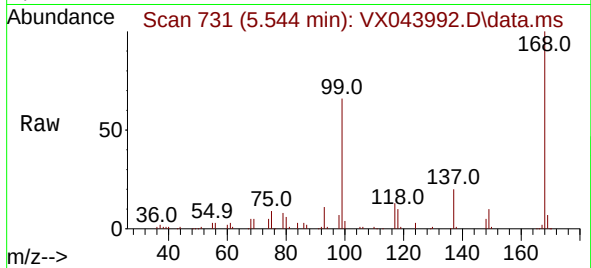




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX043992.D
Acq: 25 Nov 2024 17:21

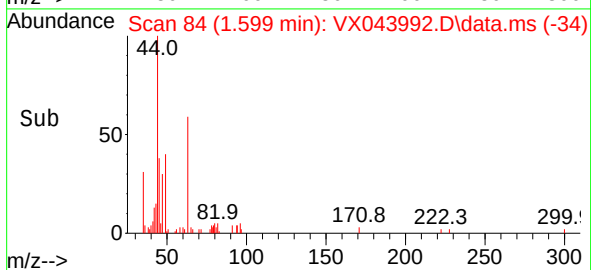
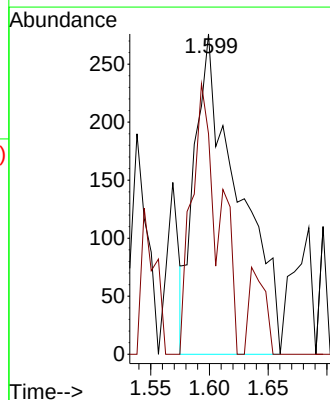
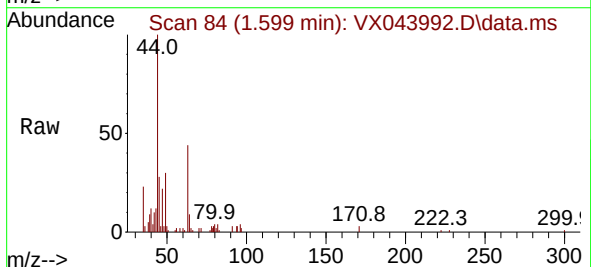
Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-3-20241114

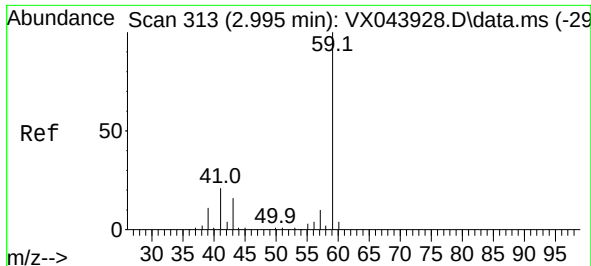
Tgt Ion:168 Resp: 117514
Ion Ratio Lower Upper
168 100
99 66.2 51.8 77.8



#5
Bromomethane
Concen: 0.694 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX043992.D
Acq: 25 Nov 2024 17:21

Tgt Ion: 94 Resp: 711
Ion Ratio Lower Upper
94 100
96 97.8 73.9 110.9

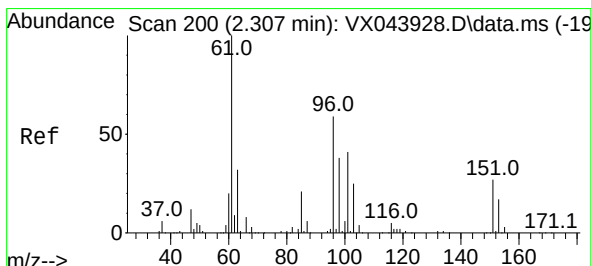
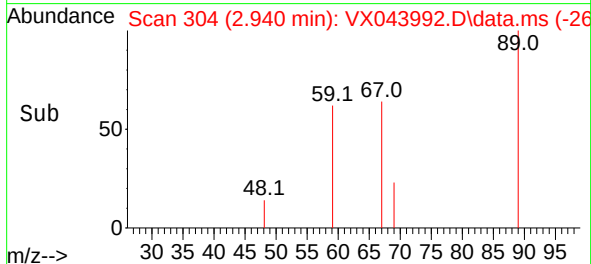
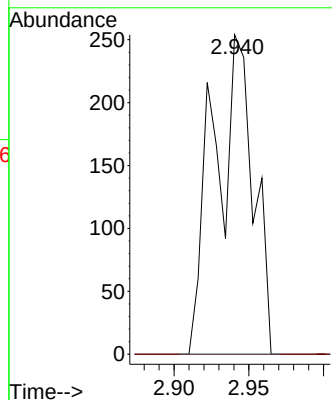
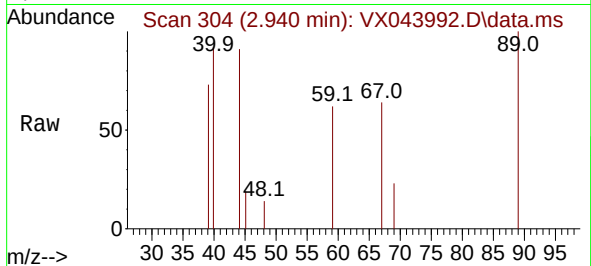




#11
Tert butyl alcohol
Concen: 1.434 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.055 min
Lab File: VX043992.D
Acq: 25 Nov 2024 17:21

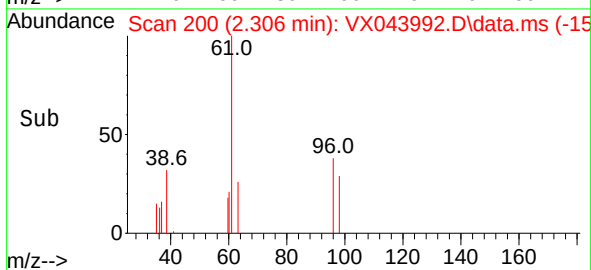
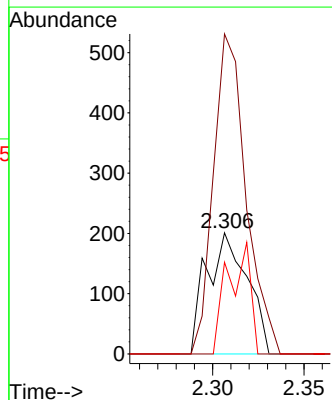
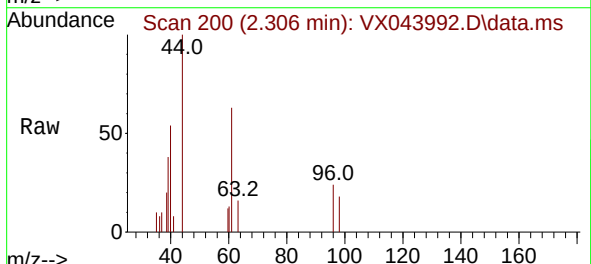
Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-3-20241114

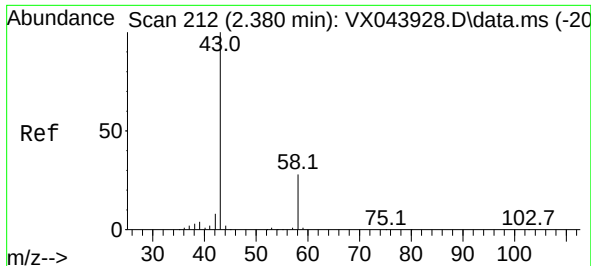
Tgt Ion: 59 Resp: 464
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#



#12
1,1-Dichloroethene
Concen: 0.230 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043992.D
Acq: 25 Nov 2024 17:21

Tgt Ion: 96 Resp: 311
Ion Ratio Lower Upper
96 100
61 264.2 135.5 203.3#
98 75.6 50.8 76.2





#16

Acetone

Concen: 1.634 ug/l

RT: 2.386 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX043992.D

Acq: 25 Nov 2024 17:21

Instrument :

MSVOA_X

ClientSampleId :

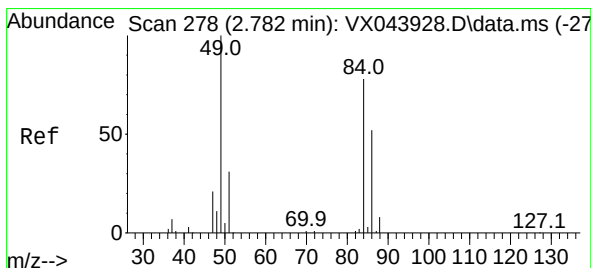
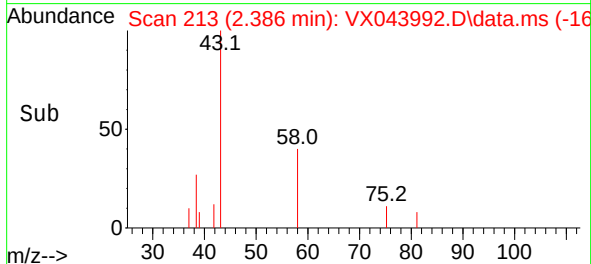
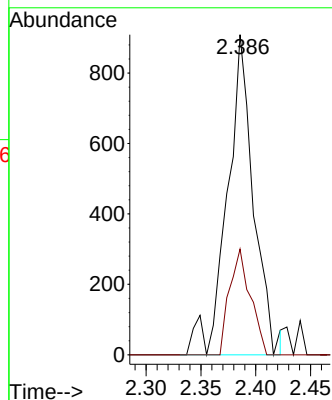
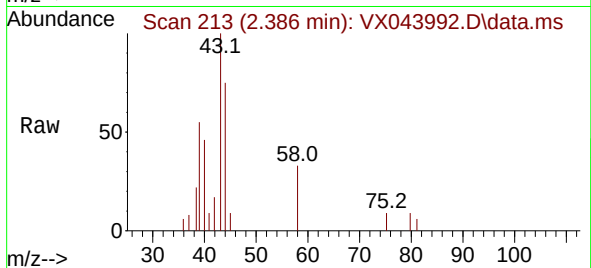
FSND-GEP-3-20241114

Tgt Ion: 43 Resp: 1513

Ion Ratio Lower Upper

43 100

58 33.0 22.7 34.1



#20

Methylene Chloride

Concen: 0.295 ug/l

RT: 2.776 min Scan# 277

Delta R.T. -0.006 min

Lab File: VX043992.D

Acq: 25 Nov 2024 17:21

Tgt Ion: 84 Resp: 463

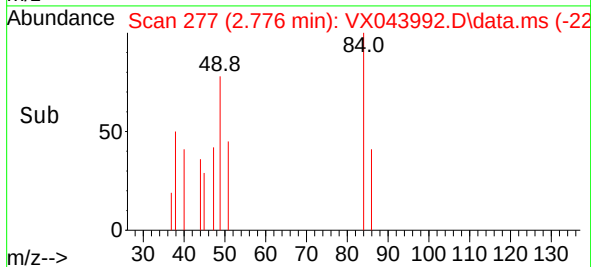
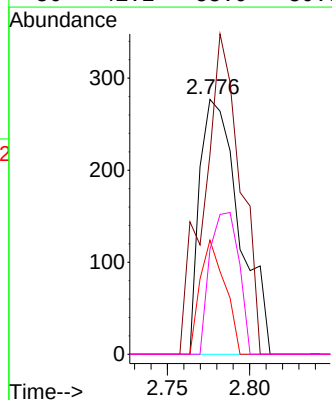
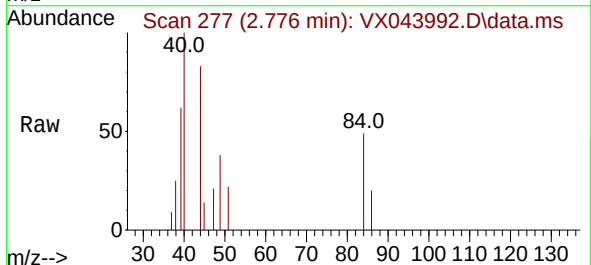
Ion Ratio Lower Upper

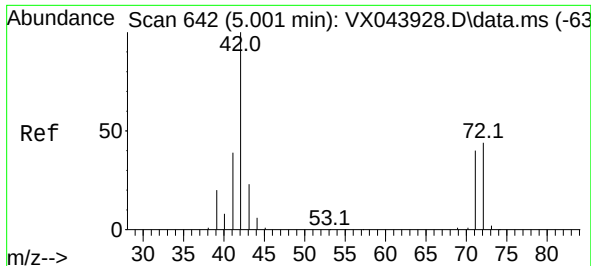
84 100

49 78.3 102.7 154.1#

51 44.8 31.7 47.5

86 41.2 53.9 80.9#





#29

Tetrahydrofuran

Concen: 0.206 ug/l

RT: 5.038 min Scan# 642

Delta R.T. 0.036 min

Lab File: VX043992.D

Acq: 25 Nov 2024 17:21

Instrument :

MSVOA_X

ClientSampleId :

FSND-GEP-3-20241114

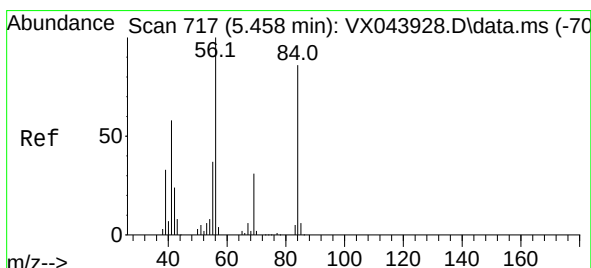
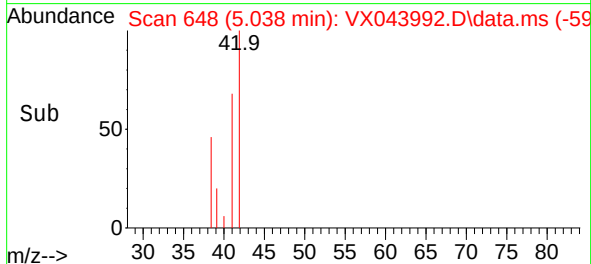
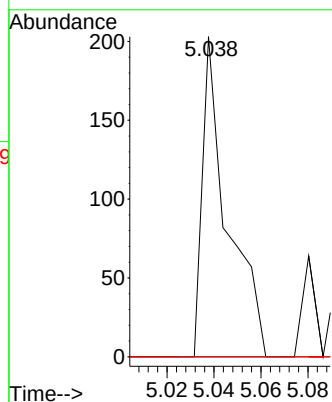
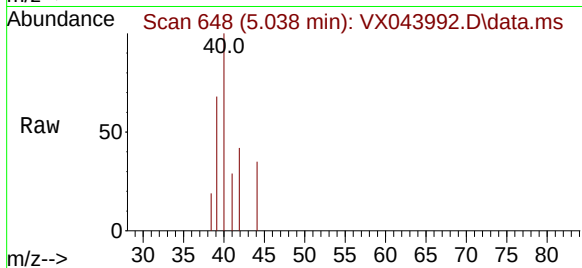
Tgt Ion: 42 Resp: 151

Ion Ratio Lower Upper

42 100

72 0.0 36.4 54.6#

71 0.0 33.4 50.0#



#31

Cyclohexane

Concen: 1.467 ug/l

RT: 5.538 min Scan# 730

Delta R.T. 0.079 min

Lab File: VX043992.D

Acq: 25 Nov 2024 17:21

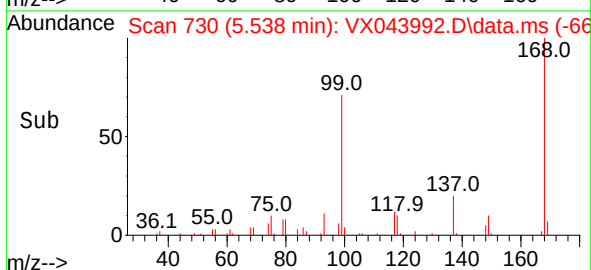
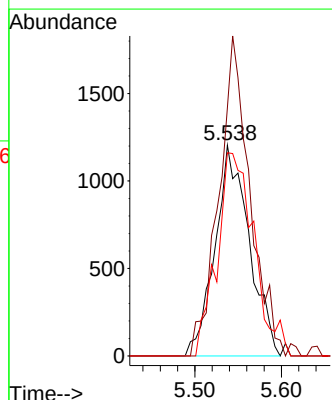
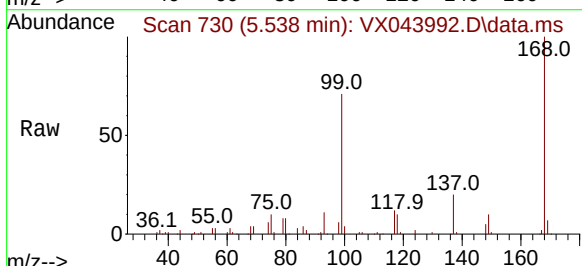
Tgt Ion: 56 Resp: 3295

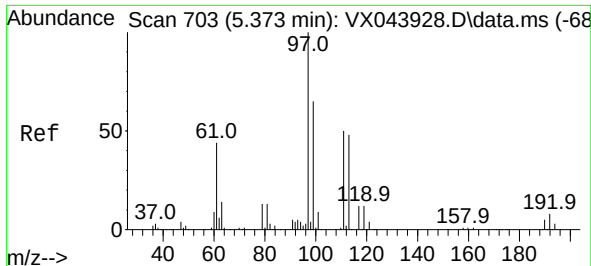
Ion Ratio Lower Upper

56 100

69 117.9 24.7 37.1#

84 96.4 68.7 103.1





#32

1,1,1-Trichloroethane

Concen: 1.872 ug/l

RT: 5.379 min Scan# 703

Delta R.T. 0.006 min

Lab File: VX043992.D

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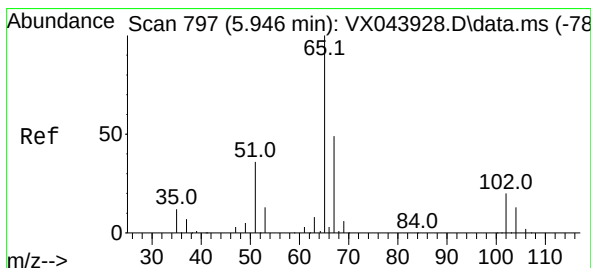
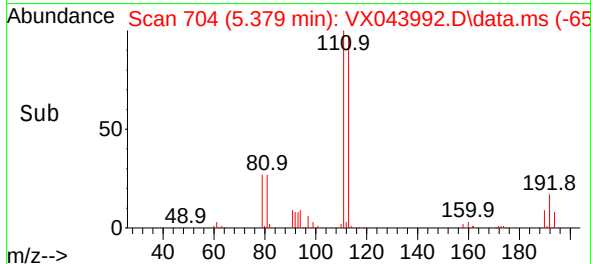
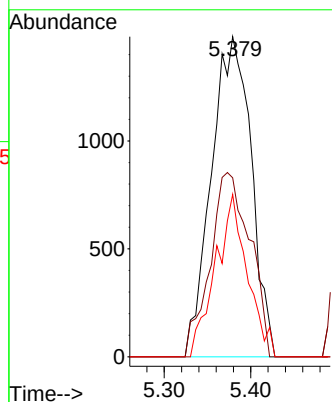
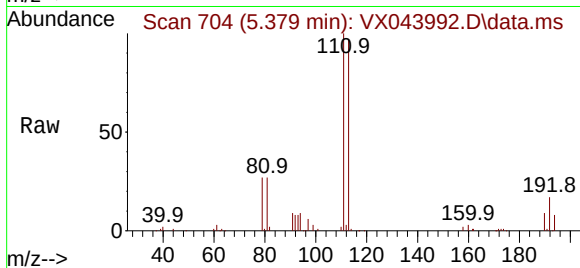
Tgt Ion: 97 Resp: 4740

Ion Ratio Lower Upper

97 100

99 57.6 50.8 76.2

61 40.7 35.4 53.2



#33

1,2-Dichloroethane-d4

Concen: 49.040 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX043992.D

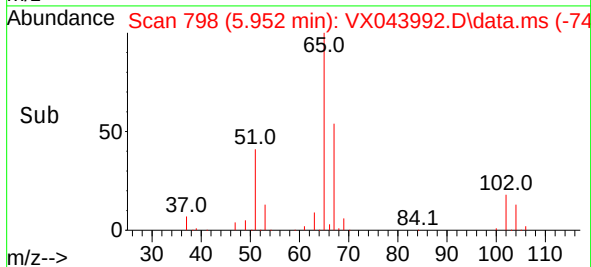
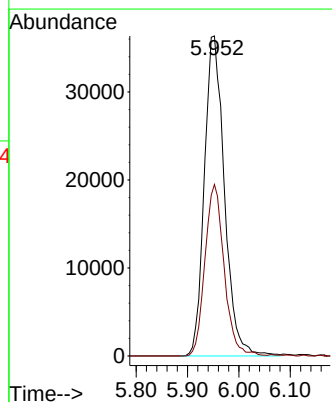
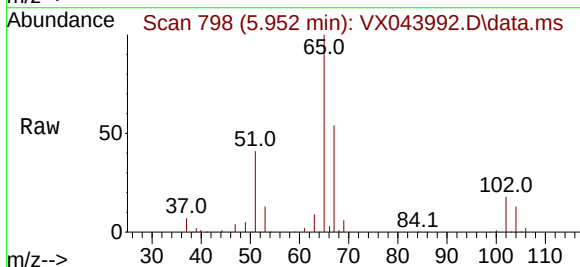
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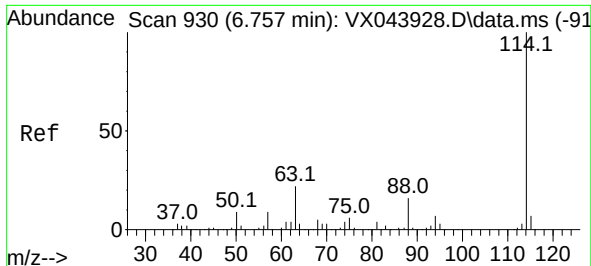
Tgt Ion: 65 Resp: 98843

Ion Ratio Lower Upper

65 100

67 51.3 0.0 100.8

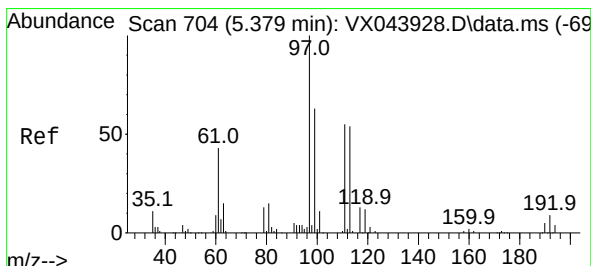
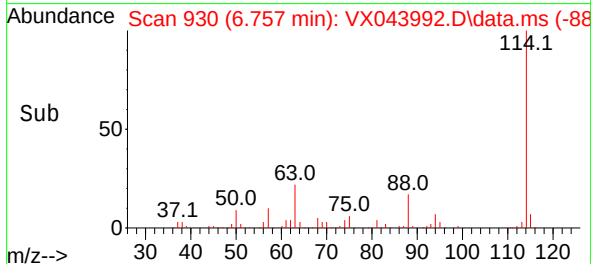
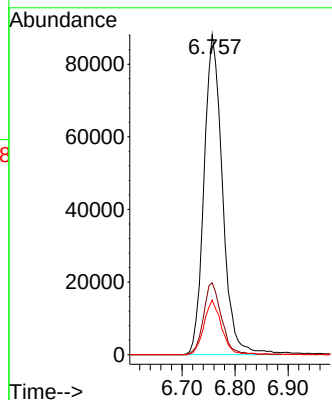
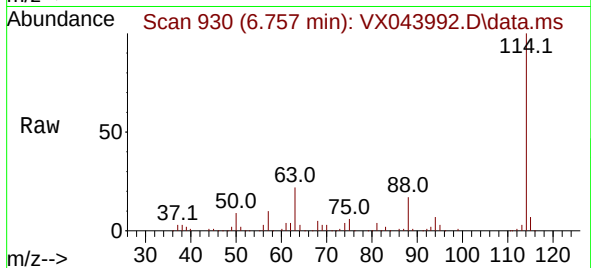




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX043992.D
Acq: 25 Nov 2024 17:21

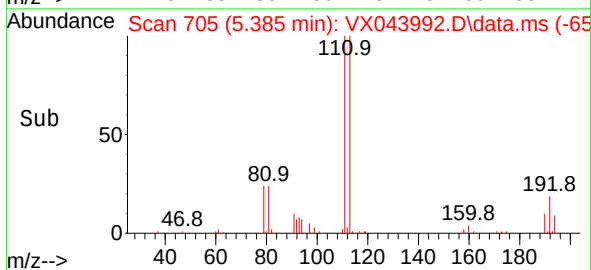
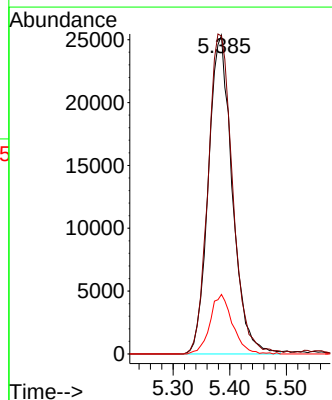
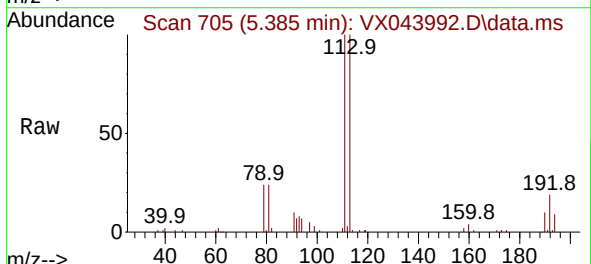
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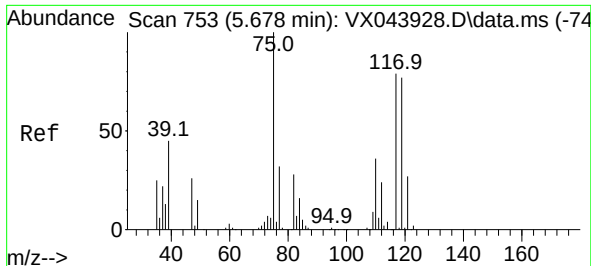
Tgt Ion:114 Resp: 213727
Ion Ratio Lower Upper
114 100
63 22.4 0.0 44.0
88 17.1 0.0 32.4



#35
Dibromofluoromethane
Concen: 48.565 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX043992.D
Acq: 25 Nov 2024 17:21

Tgt Ion:113 Resp: 74168
Ion Ratio Lower Upper
113 100
111 103.5 81.0 121.4
192 17.6 13.0 19.6





#36

1,1-Dichloropropene

Concen: 5.727 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.128 min

Lab File: VX043992.D

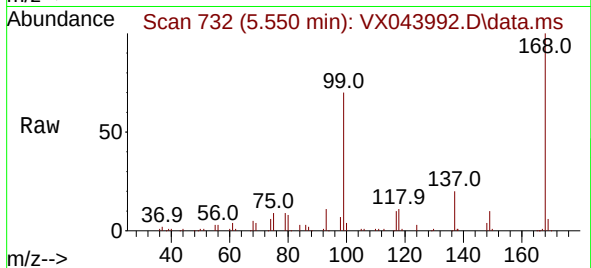
Acq: 25 Nov 2024 17:21

Instrument :

MSVOA_X

ClientSampleId :

FSND-GEP-3-20241114



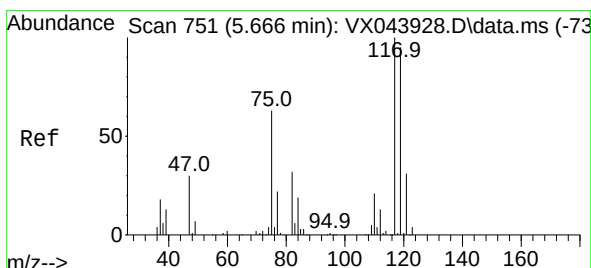
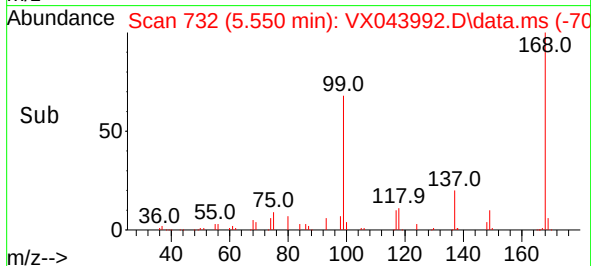
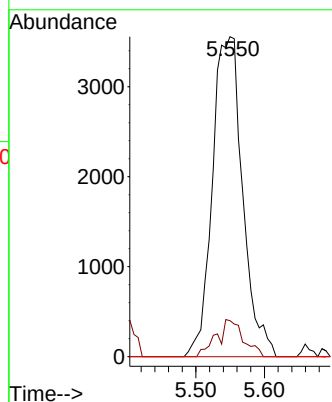
Tgt Ion: 75 Resp: 10898

Ion Ratio Lower Upper

75 100

110 10.2 17.4 52.2#

77 0.0 25.8 38.8#



#38

Carbon Tetrachloride

Concen: 6.162 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.122 min

Lab File: VX043992.D

Acq: 25 Nov 2024 17:21

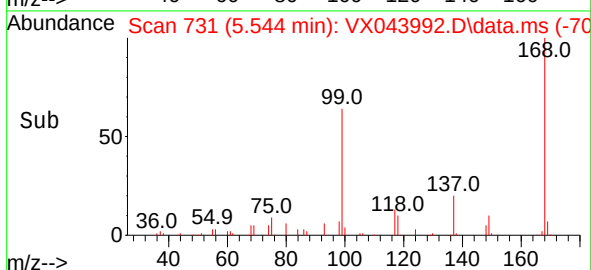
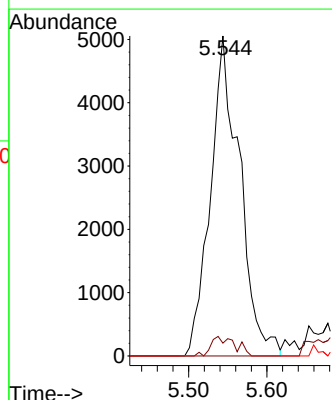
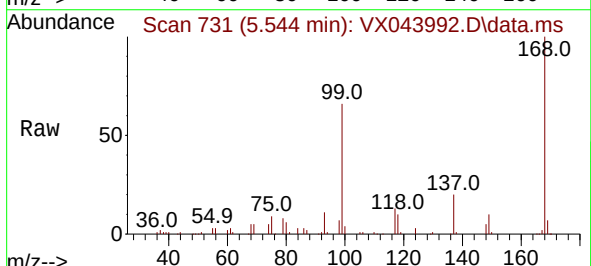
Tgt Ion:117 Resp: 13176

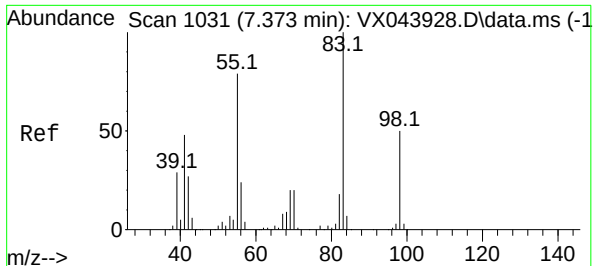
Ion Ratio Lower Upper

117 100

119 4.0 75.2 112.8#

121 0.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 1.431 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.250 min

Lab File: VX043992.D

Acq: 25 Nov 2024 17:21

Instrument :

MSVOA_X

ClientSampleId :

FSND-GEP-3-20241114

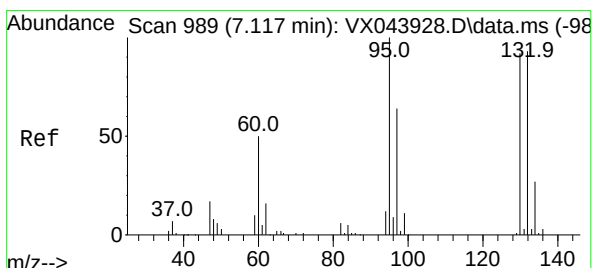
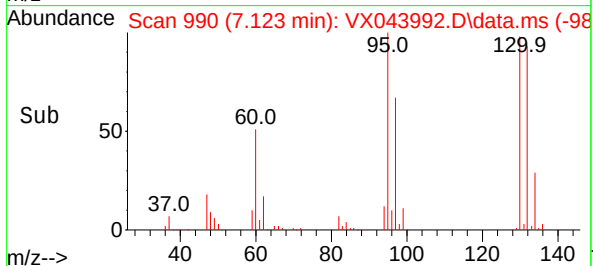
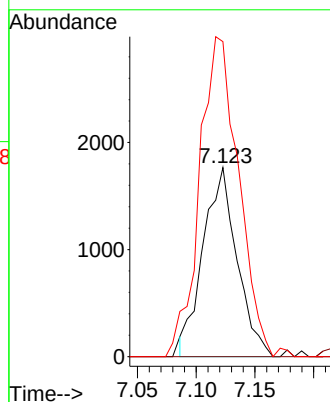
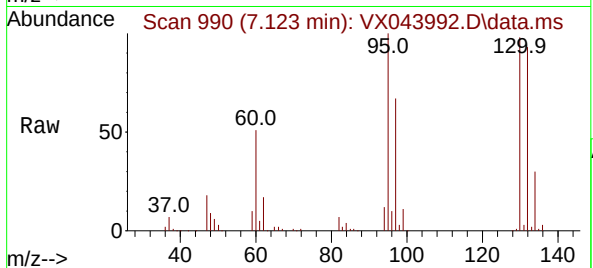
Tgt Ion: 83 Resp: 3537

Ion Ratio Lower Upper

83 100

55 0.0 63.1 94.7#

98 162.1 40.0 60.0#



#44

Trichloroethene

Concen: 150.213 ug/l

RT: 7.117 min Scan# 989

Delta R.T. -0.000 min

Lab File: VX043992.D

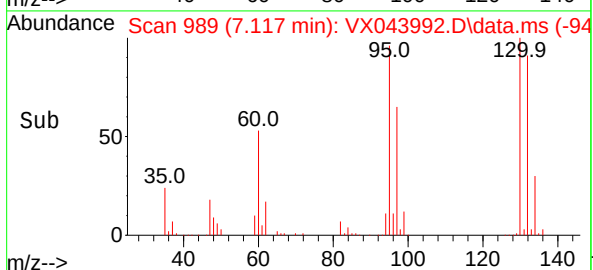
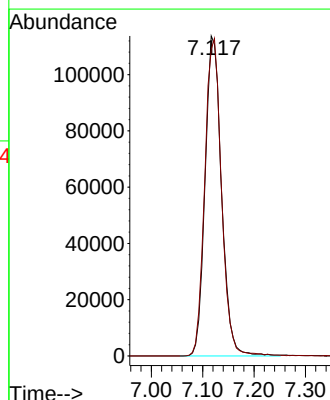
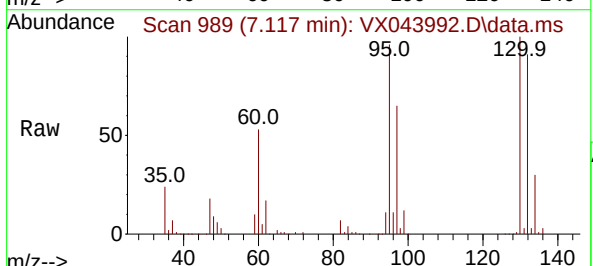
Acq: 25 Nov 2024 17:21

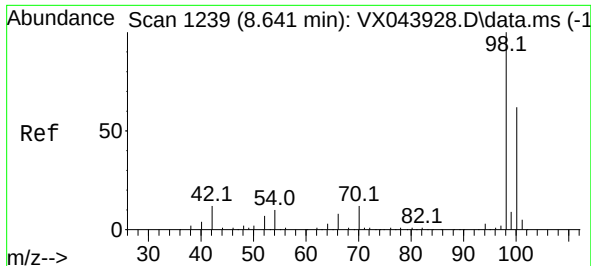
Tgt Ion:130 Resp: 252075

Ion Ratio Lower Upper

130 100

95 95.8 0.0 217.8





#50

Toluene-d8

Concen: 49.964 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX043992.D

Acq: 25 Nov 2024 17:21

Instrument :

MSVOA_X

ClientSampleId :

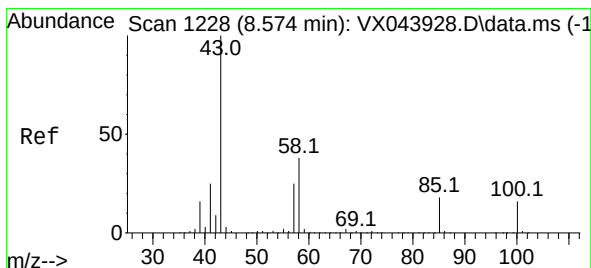
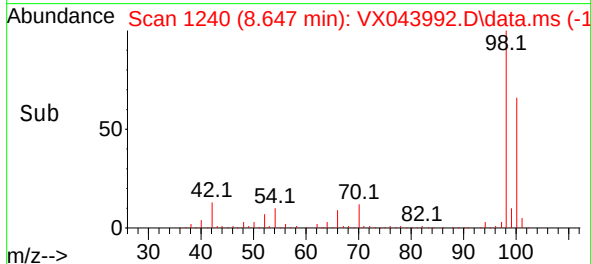
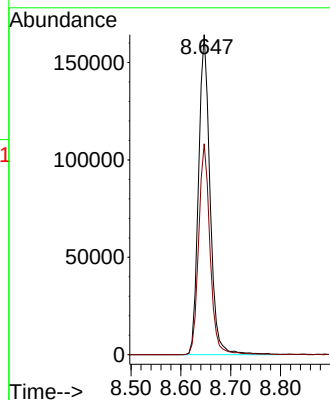
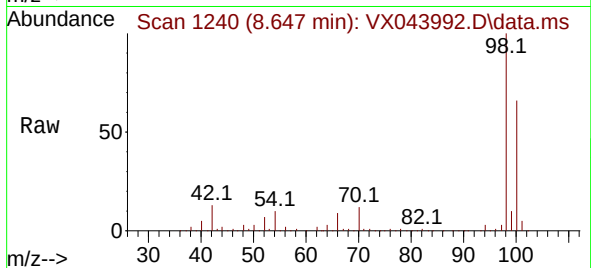
FSND-GEP-3-20241114

Tgt Ion: 98 Resp: 263027

Ion Ratio Lower Upper

98 100

100 65.4 52.6 79.0



#51

4-Methyl-2-Pentanone

Concen: 0.626 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX043992.D

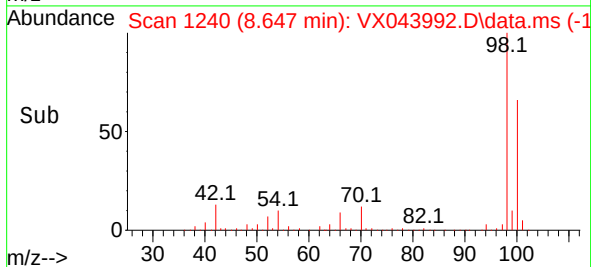
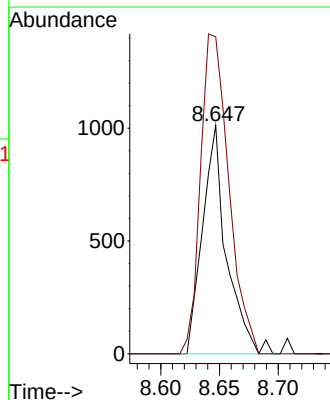
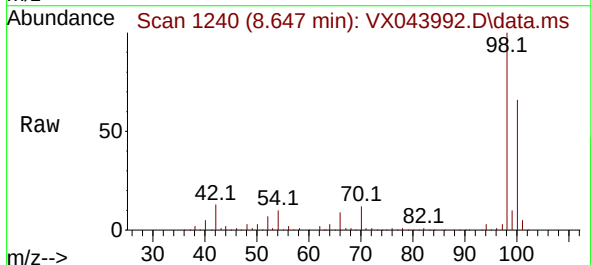
Acq: 25 Nov 2024 17:21

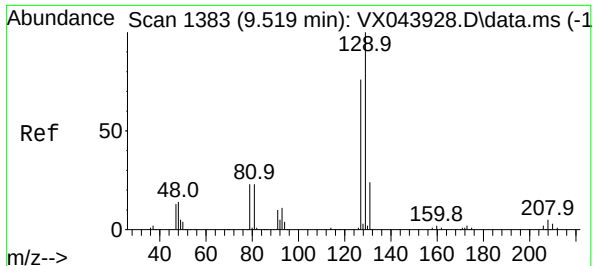
Tgt Ion: 43 Resp: 1436

Ion Ratio Lower Upper

43 100

58 165.7 30.0 45.0#





#60

Dibromochloromethane

Concen: 0.572 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.244 min

Lab File: VX043992.D

Acq: 25 Nov 2024 17:21

Instrument :

MSVOA_X

ClientSampleId :

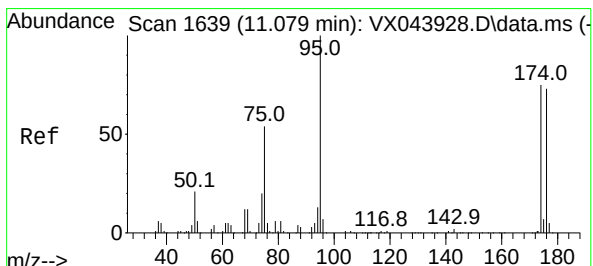
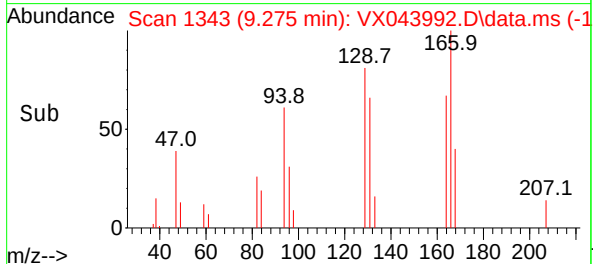
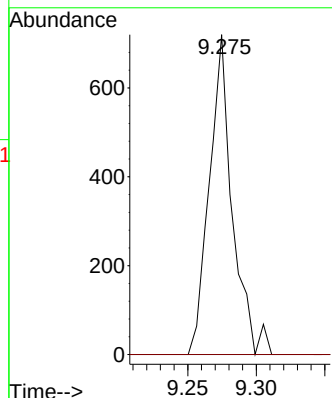
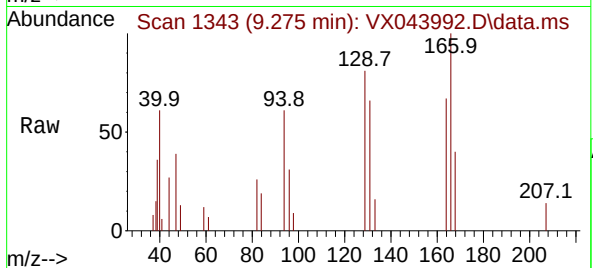
FSND-GEP-3-20241114

Tgt Ion:129 Resp: 840

Ion Ratio Lower Upper

129 100

127 0.0 38.2 114.6#



#62

4-Bromofluorobenzene

Concen: 48.469 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043992.D

Acq: 25 Nov 2024 17:21

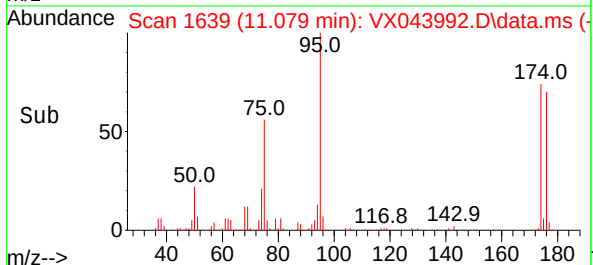
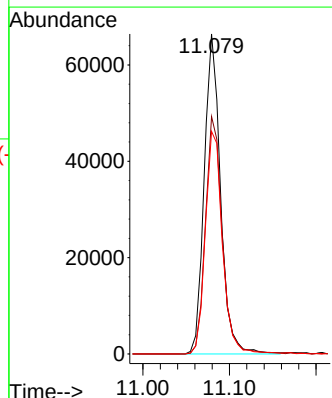
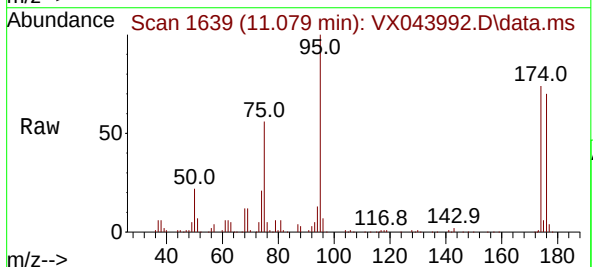
Tgt Ion: 95 Resp: 86837

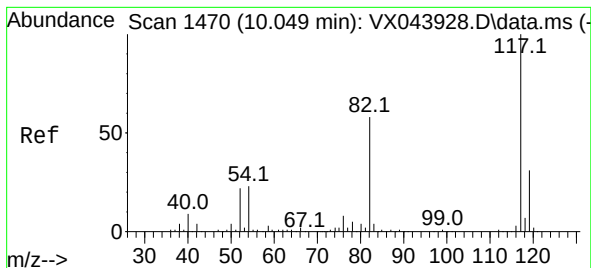
Ion Ratio Lower Upper

95 100

174 76.7 0.0 150.4

176 73.0 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VX043992.D

Acq: 25 Nov 2024 17:21

Instrument :

MSVOA_X

ClientSampleId :

FSND-GEP-3-20241114

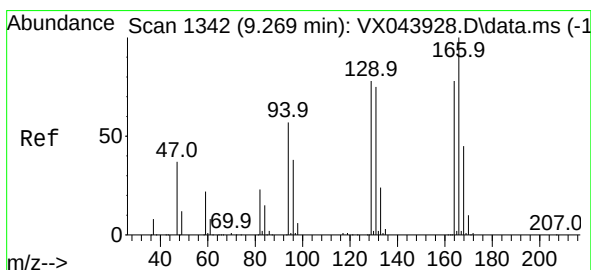
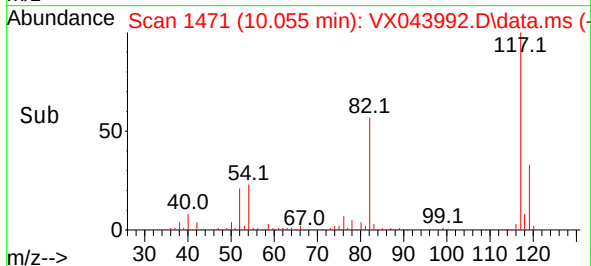
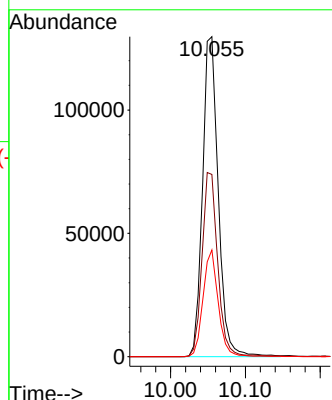
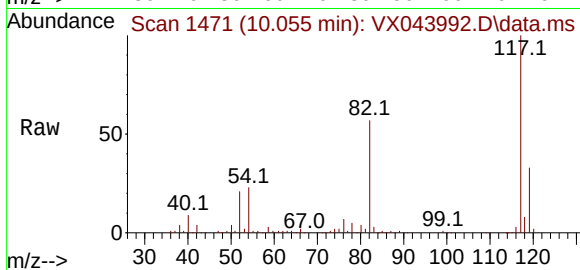
Tgt Ion:117 Resp: 189569

Ion Ratio Lower Upper

117 100

82 56.9 46.4 69.6

119 33.4 24.6 37.0



#64

Tetrachloroethene

Concen: 0.745 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VX043992.D

Acq: 25 Nov 2024 17:21

Tgt Ion:164 Resp: 931

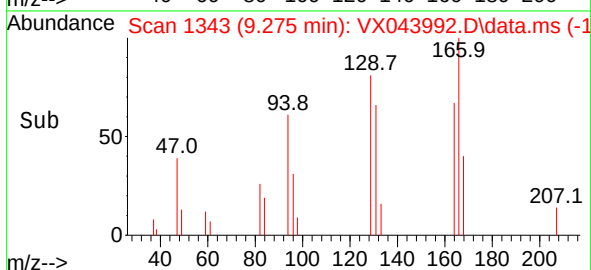
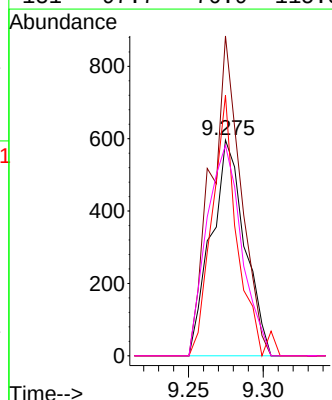
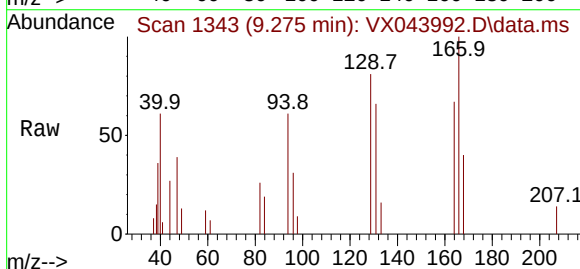
Ion Ratio Lower Upper

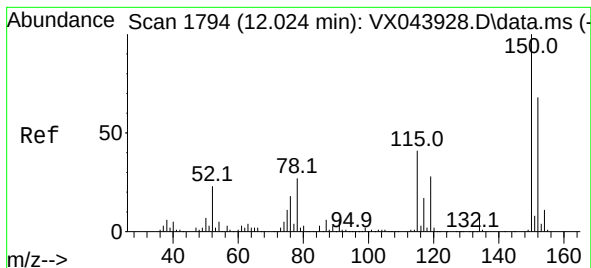
164 100

166 148.3 102.1 153.1

129 120.8 79.6 119.4#

131 97.7 76.9 115.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043992.D

Acq: 25 Nov 2024 17:21

Instrument :

MSVOA_X

ClientSampleId :

FSND-GEP-3-20241114

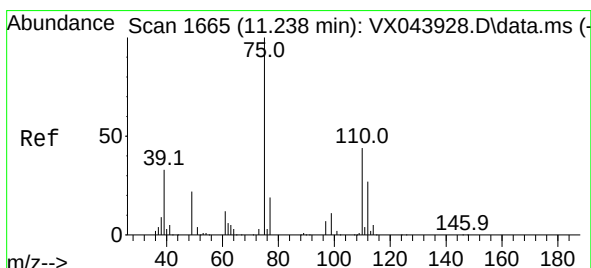
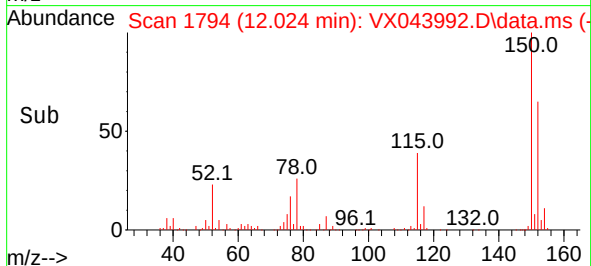
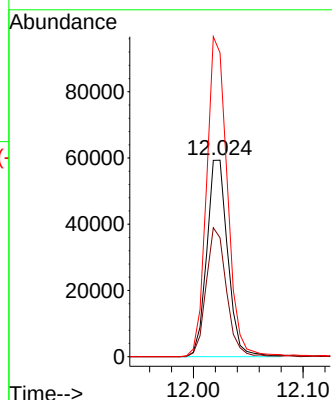
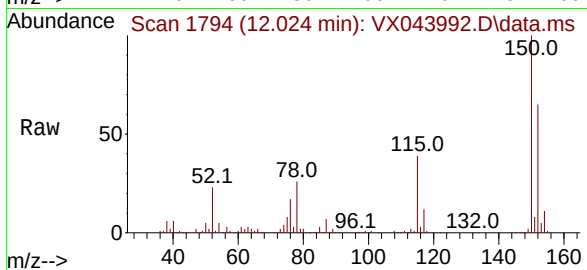
Tgt Ion:152 Resp: 78823

Ion Ratio Lower Upper

152 100

115 64.0 45.4 136.2

150 161.6 0.0 353.0



#76

1,2,3-Trichloropropane

Concen: 28.687 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX043992.D

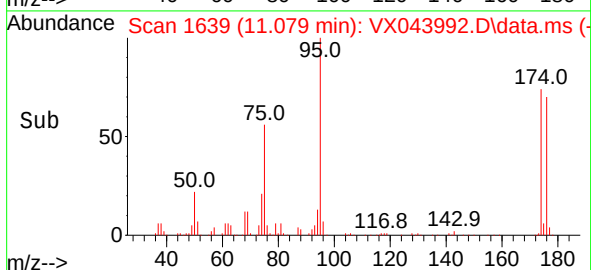
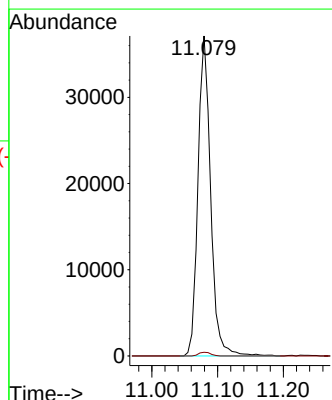
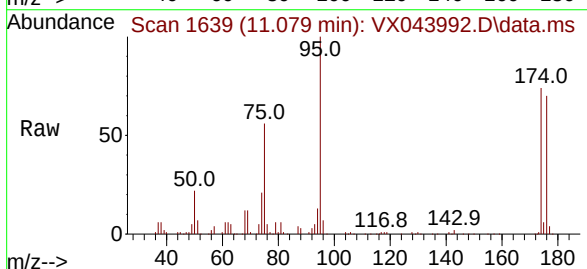
Acq: 25 Nov 2024 17:21

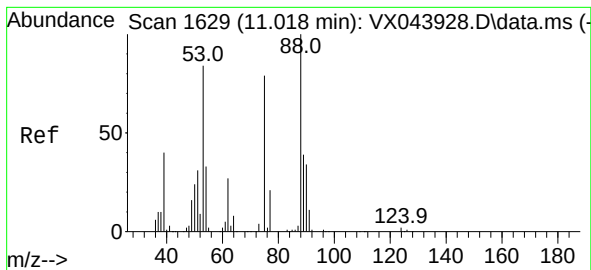
Tgt Ion: 75 Resp: 49587

Ion Ratio Lower Upper

75 100

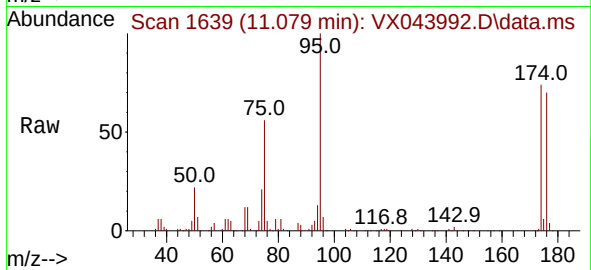
77 1.1 21.8 65.3#





#81
trans-1,4-Dichloro-2-butene
Concen: 78.279 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX043992.D
Acq: 25 Nov 2024 17:21

Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-3-20241114



Tgt Ion: 75 Resp: 49587
Ion Ratio Lower Upper
75 100
53 0.0 86.7 130.1#
89 0.0 38.2 57.2#

