

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
 Data File : VX043988.D
 Acq On : 25 Nov 2024 15:49
 Operator : JC/MD
 Sample : P4873-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-MW-30-20241114

Quant Time: Nov 27 07:42:09 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)

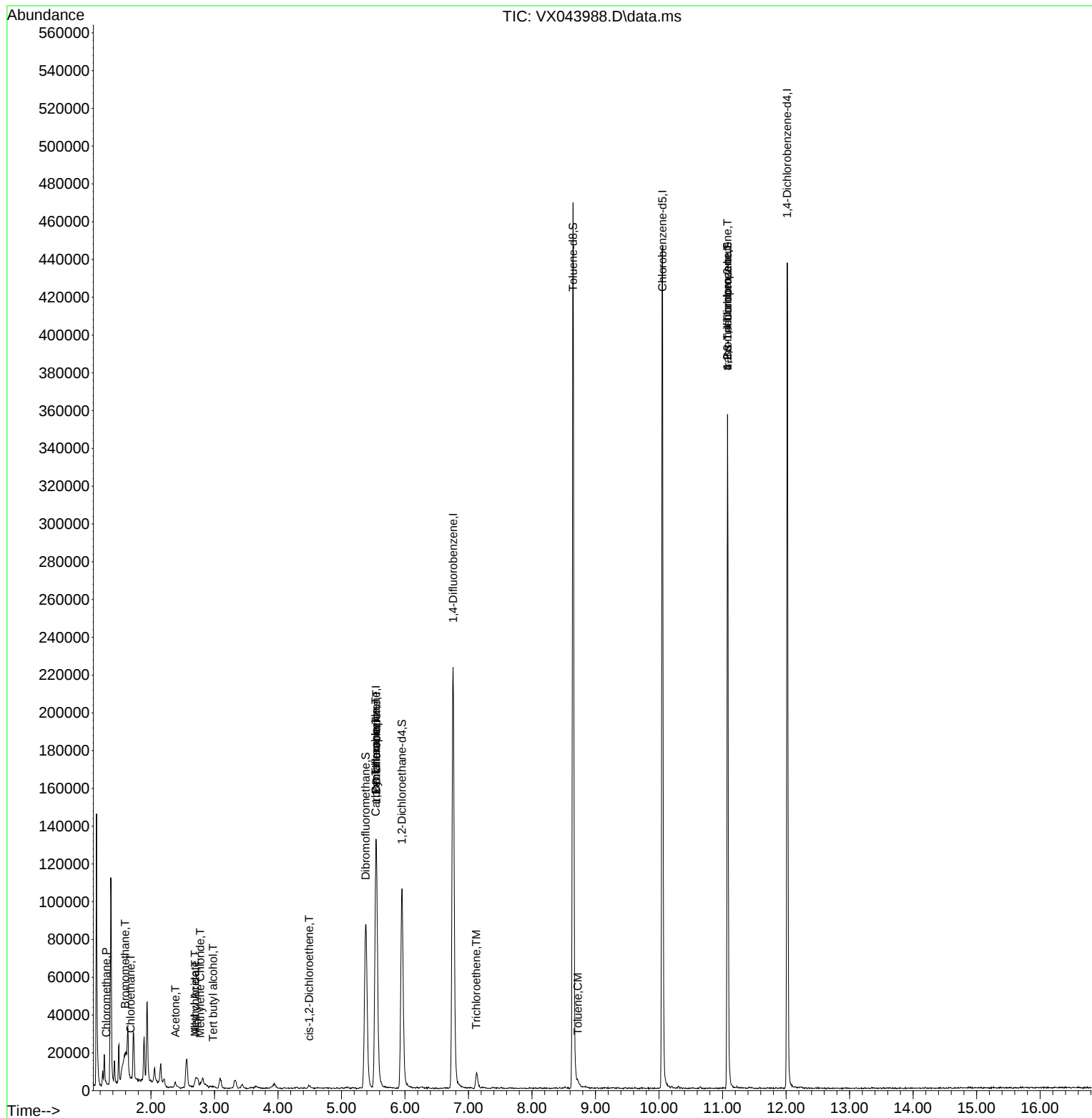
Internal Standards						
1) Pentafluorobenzene	5.544	168	119730	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	225681	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	198829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	84923	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	102169	49.752	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.500%		
35) Dibromofluoromethane	5.379	113	76095	47.188	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.380%		
50) Toluene-d8	8.647	98	276109	49.671	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.340%		
62) 4-Bromofluorobenzene	11.079	95	90197	47.677	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	95.360%		
Target Compounds						Qvalue
3) Chloromethane	1.294	50	659	0.413	ug/l #	76
5) Bromomethane	1.593	94	426	0.408	ug/l #	72
6) Chloroethane	1.679	64	690	0.667	ug/l #	73
11) Tert butyl alcohol	2.977	59	434	1.317	ug/l #	73
14) Allyl chloride	2.697	41	2954	1.310	ug/l #	57
16) Acetone	2.386	43	3026	3.208	ug/l	92
18) Methyl Acetate	2.691	43	1349	0.614	ug/l #	52
20) Methylene Chloride	2.776	84	801	0.500	ug/l #	80
27) cis-1,2-Dichloroethene	4.489	96	683	0.388	ug/l	83
31) Cyclohexane	5.544	56	3898	1.703	ug/l #	41
36) 1,1-Dichloropropene	5.550	75	11110	5.529	ug/l #	49
38) Carbon Tetrachloride	5.538	117	13626	6.035	ug/l #	16
44) Trichloroethene	7.123	130	3274	1.848	ug/l	90
52) Toluene	8.720	92	960	0.256	ug/l	81
76) 1,2,3-Trichloropropane	11.079	75	49683	26.678	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	49683	72.797	ug/l #	6

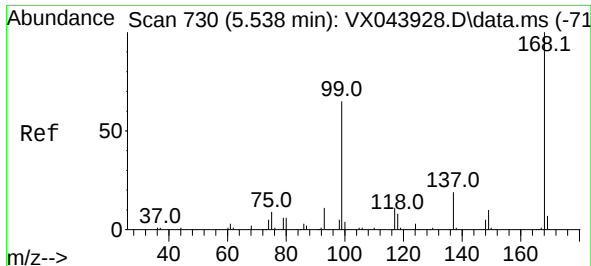
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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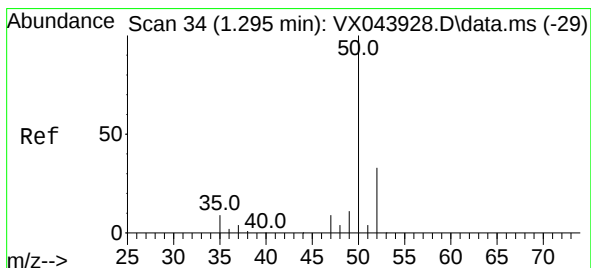
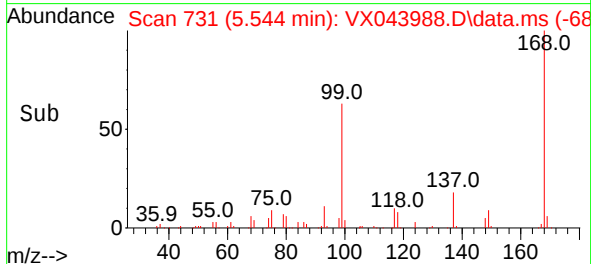
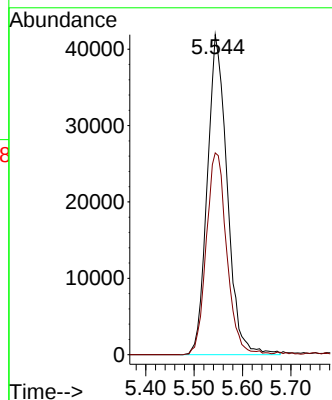
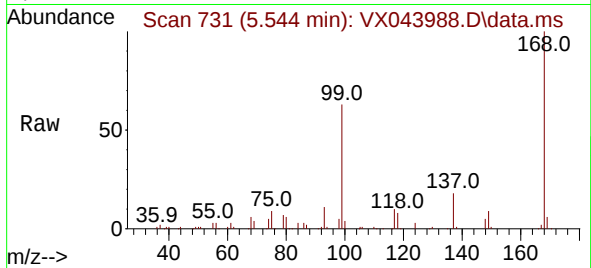




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX043988.D
Acq: 25 Nov 2024 15:49

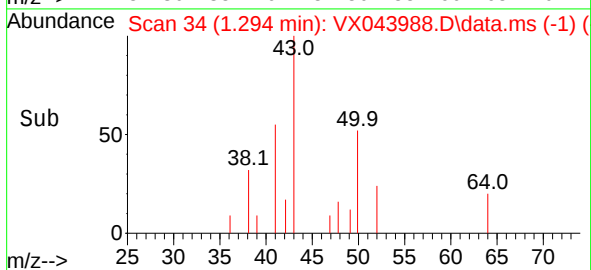
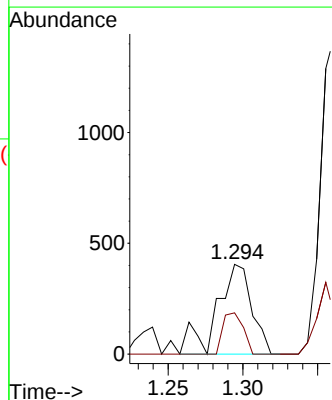
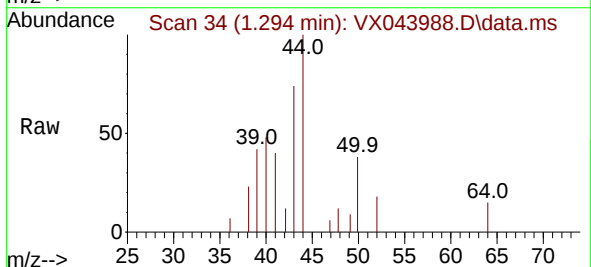
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-30-20241114

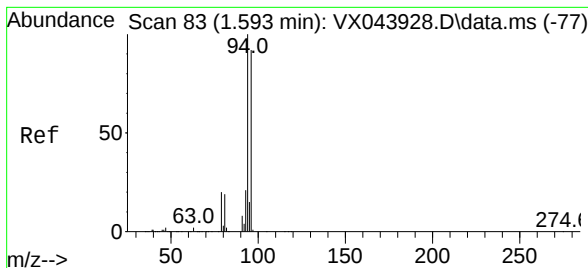
Tgt Ion:168 Resp: 119730
Ion Ratio Lower Upper
168 100
99 63.0 51.8 77.8



#3
Chloromethane
Concen: 0.413 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043988.D
Acq: 25 Nov 2024 15:49

Tgt Ion: 50 Resp: 659
Ion Ratio Lower Upper
50 100
52 45.9 26.1 39.1#





#5

Bromomethane

Concen: 0.408 ug/l

RT: 1.593 min Scan# 81

Delta R.T. -0.000 min

Lab File: VX043988.D

Acq: 25 Nov 2024 15:49

Instrument :

MSVOA_X

ClientSampleId :

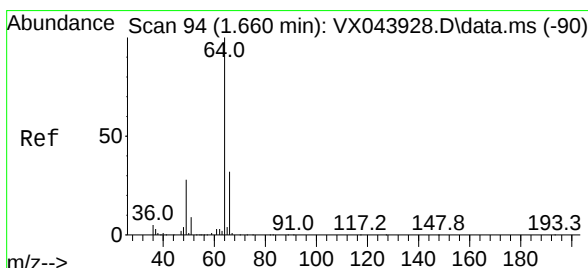
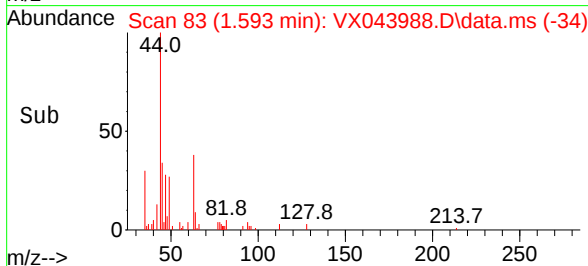
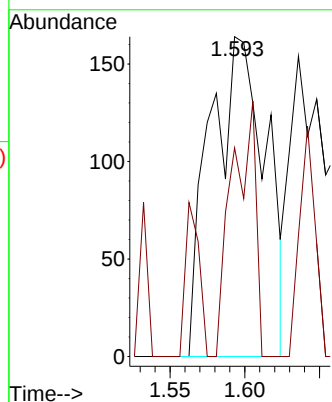
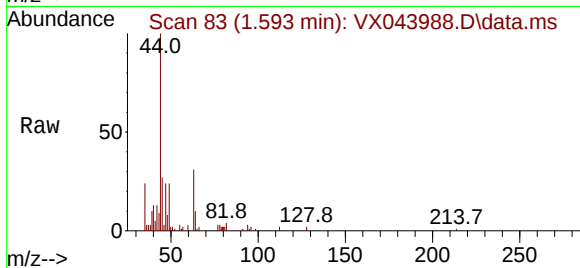
FSND-MW-30-20241114

Tgt Ion: 94 Resp: 426

Ion Ratio Lower Upper

94 100

96 65.2 73.9 110.9#



#6

Chloroethane

Concen: 0.667 ug/l

RT: 1.679 min Scan# 97

Delta R.T. 0.018 min

Lab File: VX043988.D

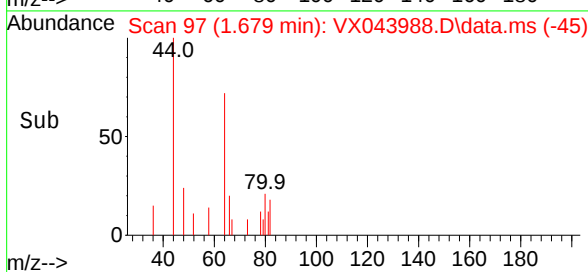
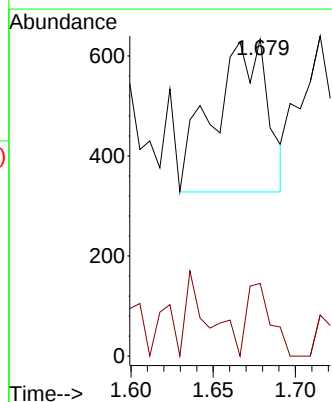
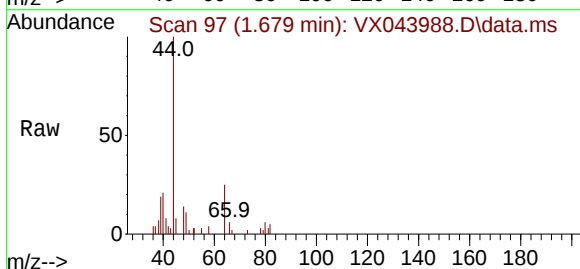
Acq: 25 Nov 2024 15:49

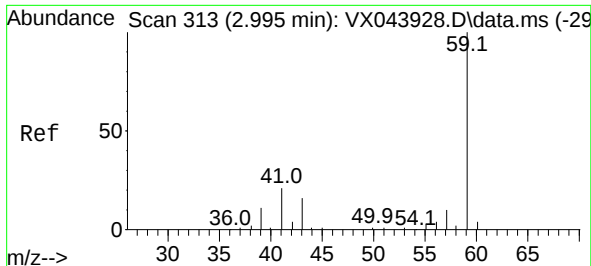
Tgt Ion: 64 Resp: 690

Ion Ratio Lower Upper

64 100

66 47.4 25.9 38.9#

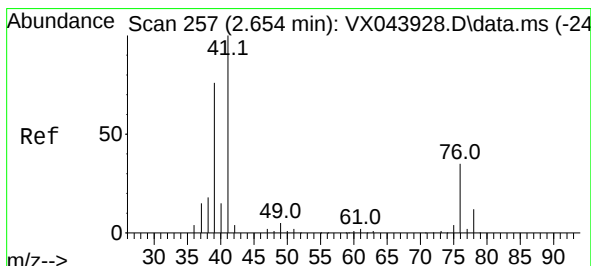
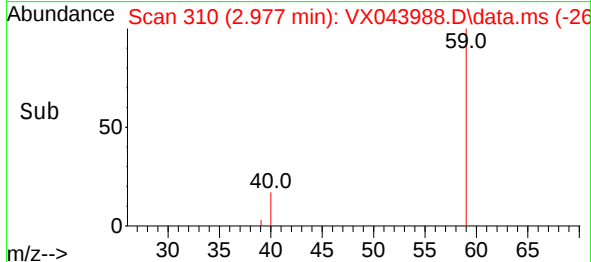
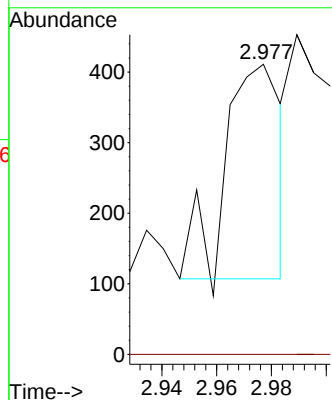
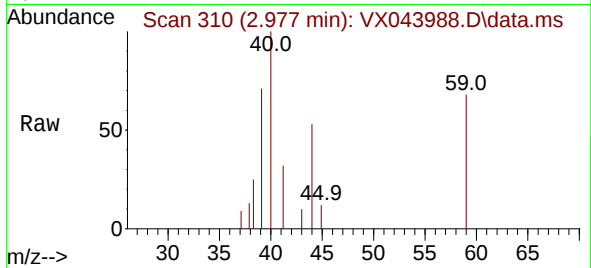




#11
Tert butyl alcohol
Concen: 1.317 ug/l
RT: 2.977 min Scan# 313
Delta R.T. -0.018 min
Lab File: VX043988.D
Acq: 25 Nov 2024 15:49

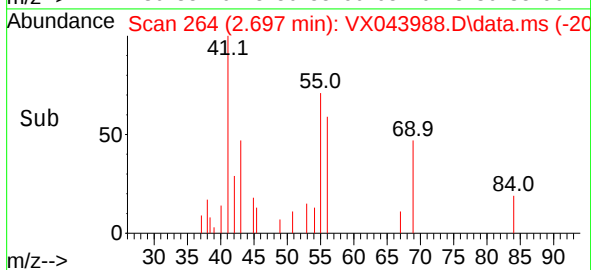
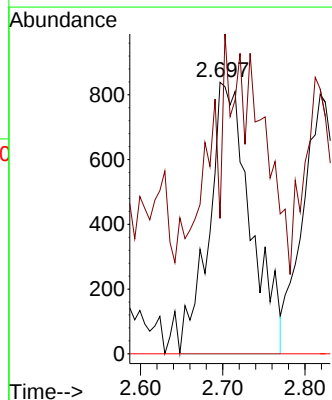
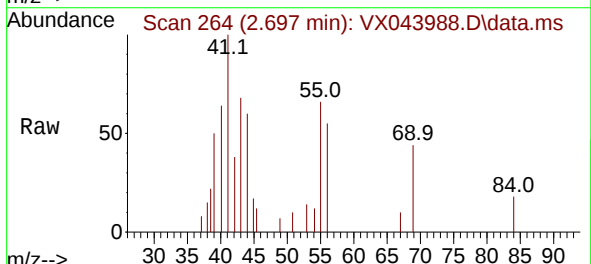
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-30-20241114

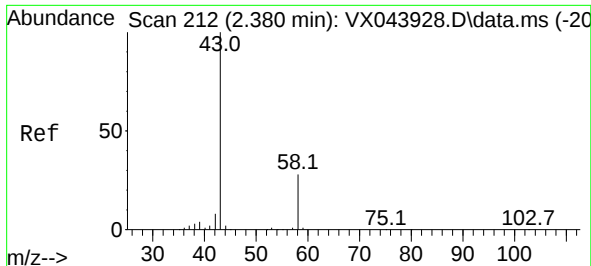
Tgt Ion: 59 Resp: 434
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#



#14
Allyl chloride
Concen: 1.310 ug/l
RT: 2.697 min Scan# 264
Delta R.T. 0.043 min
Lab File: VX043988.D
Acq: 25 Nov 2024 15:49

Tgt Ion: 41 Resp: 2954
Ion Ratio Lower Upper
41 100
39 44.5 59.5 89.3#
76 0.0 27.4 41.2#

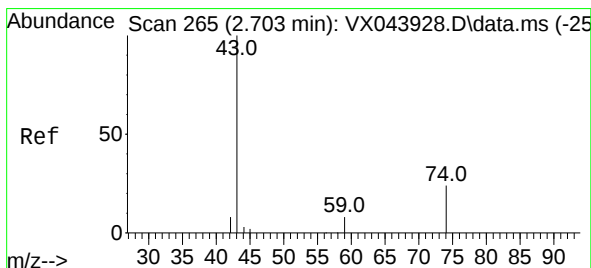
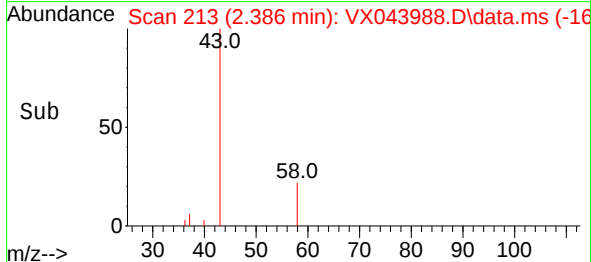
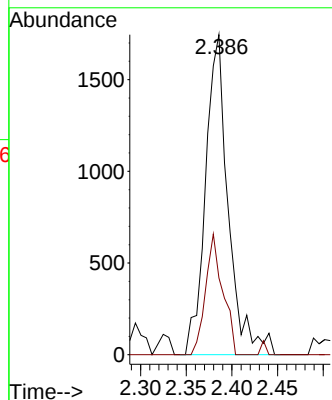
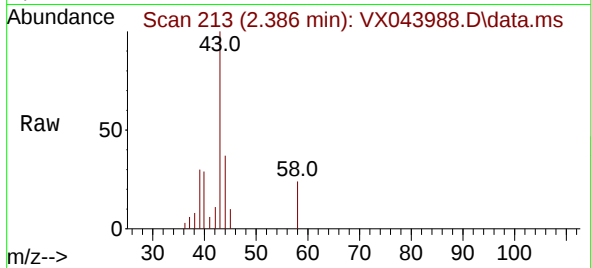




#16
Acetone
Concen: 3.208 ug/l
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX043988.D
Acq: 25 Nov 2024 15:49

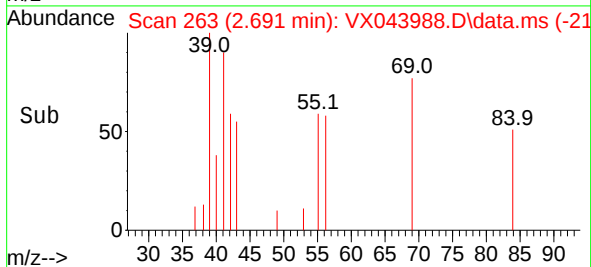
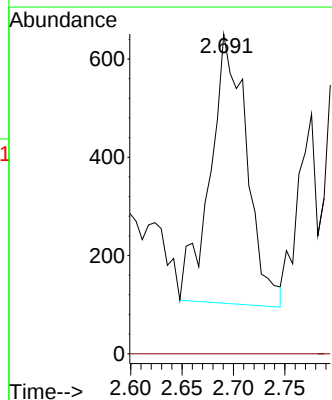
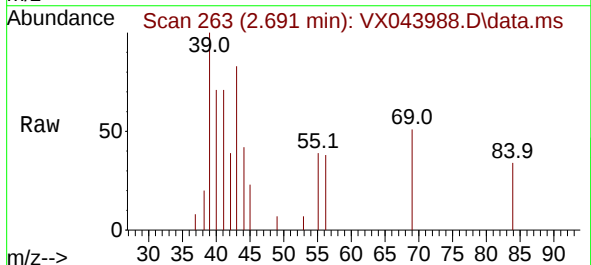
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-30-20241114

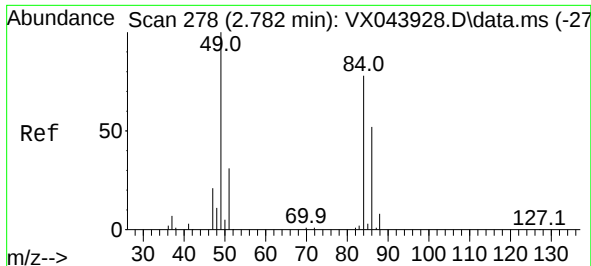
Tgt Ion: 43 Resp: 3026
Ion Ratio Lower Upper
43 100
58 24.0 22.7 34.1



#18
Methyl Acetate
Concen: 0.614 ug/l
RT: 2.691 min Scan# 263
Delta R.T. -0.012 min
Lab File: VX043988.D
Acq: 25 Nov 2024 15:49

Tgt Ion: 43 Resp: 1349
Ion Ratio Lower Upper
43 100
74 0.0 18.9 28.3#





#20

Methylene Chloride

Concen: 0.500 ug/l

RT: 2.776 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX043988.D

Acq: 25 Nov 2024 15:49

Instrument :

MSVOA_X

ClientSampleId :

FSND-MW-30-20241114

Tgt Ion: 84 Resp: 801

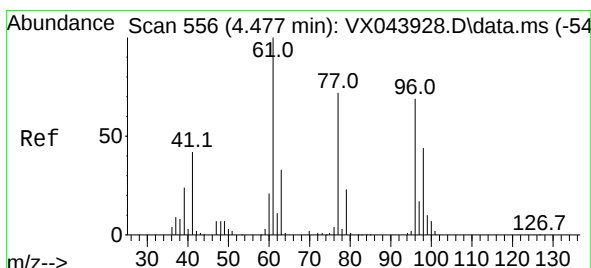
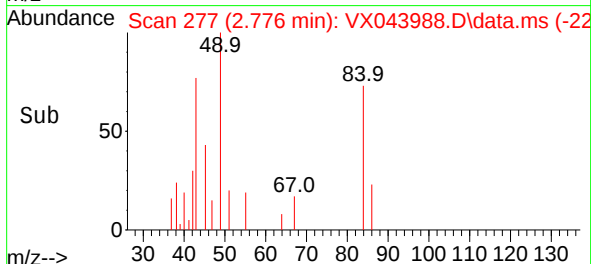
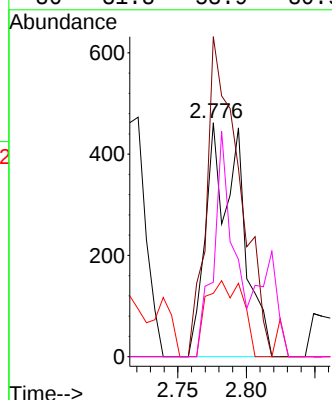
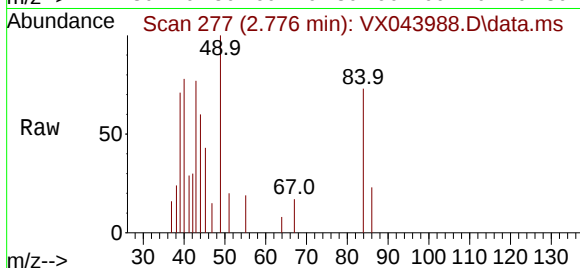
Ion Ratio Lower Upper

84 100

49 136.8 102.7 154.1

51 27.1 31.7 47.5#

86 31.8 53.9 80.9#



#27

cis-1,2-Dichloroethene

Concen: 0.388 ug/l

RT: 4.489 min Scan# 558

Delta R.T. 0.012 min

Lab File: VX043988.D

Acq: 25 Nov 2024 15:49

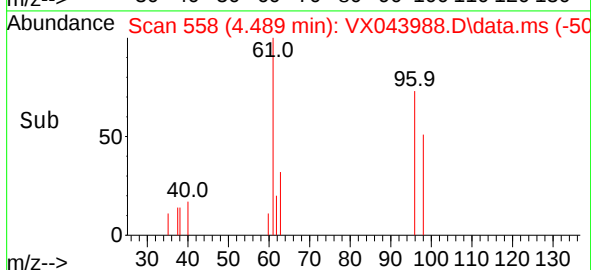
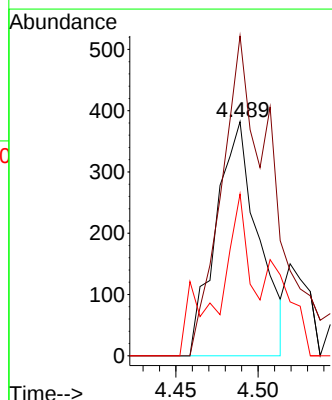
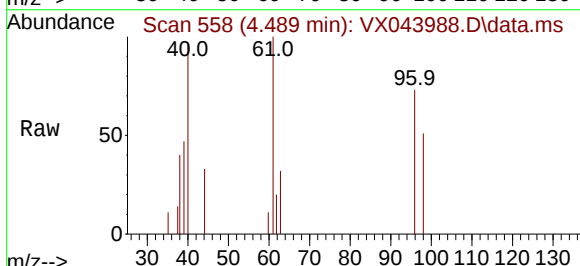
Tgt Ion: 96 Resp: 683

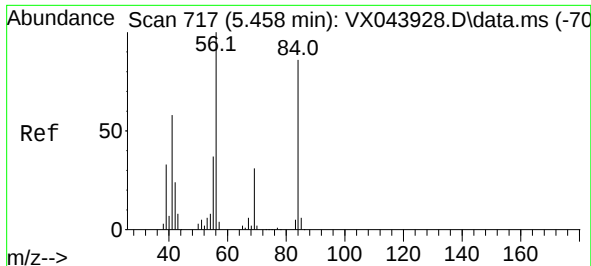
Ion Ratio Lower Upper

96 100

61 171.6 0.0 297.4

98 52.7 0.0 127.8

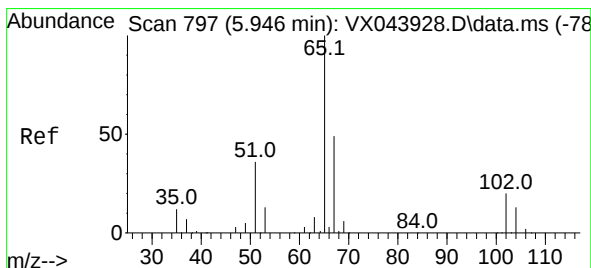
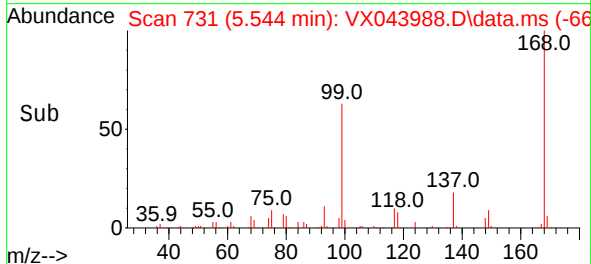
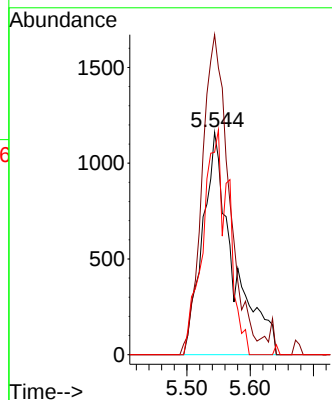
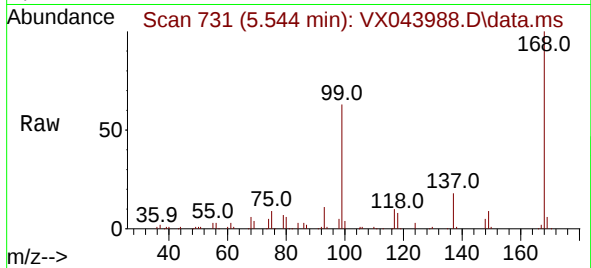




#31
Cyclohexane
Concen: 1.703 ug/l
RT: 5.544 min Scan# 717
Delta R.T. 0.085 min
Lab File: VX043988.D
Acq: 25 Nov 2024 15:49

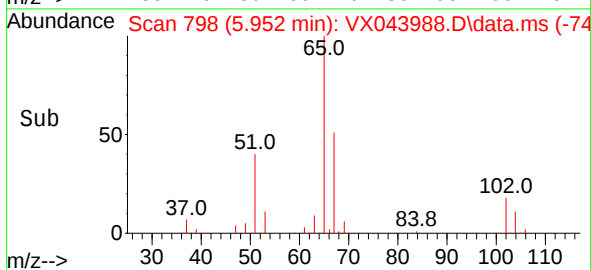
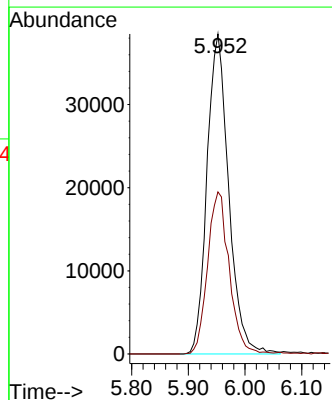
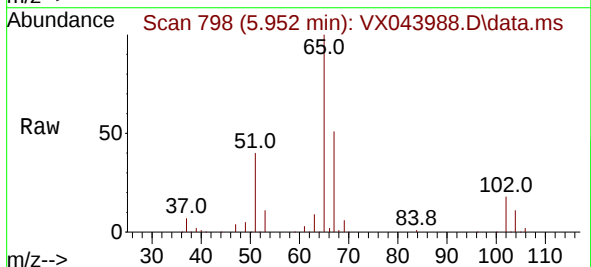
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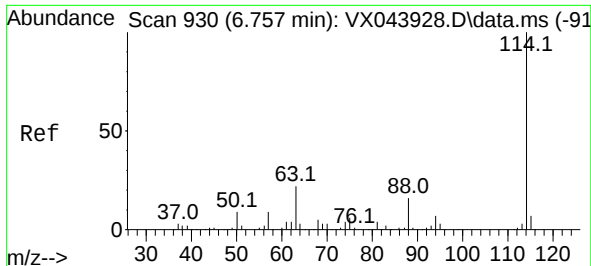
Tgt Ion: 56 Resp: 3898
Ion Ratio Lower Upper
56 100
69 143.9 24.7 37.1#
84 91.0 68.7 103.1



#33
1,2-Dichloroethane-d4
Concen: 49.752 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX043988.D
Acq: 25 Nov 2024 15:49

Tgt Ion: 65 Resp: 102169
Ion Ratio Lower Upper
65 100
67 50.5 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: VX043988.D

Acq: 25 Nov 2024 15:49

Instrument :

MSVOA_X

ClientSampleId :

FSND-MW-30-20241114

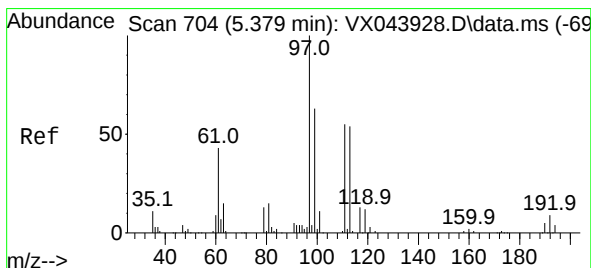
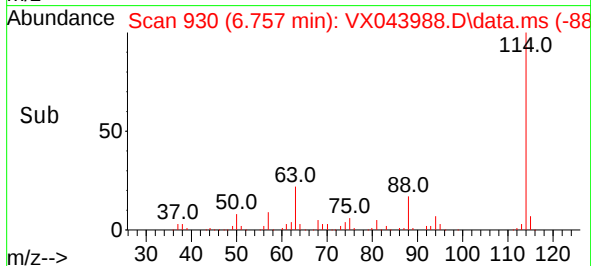
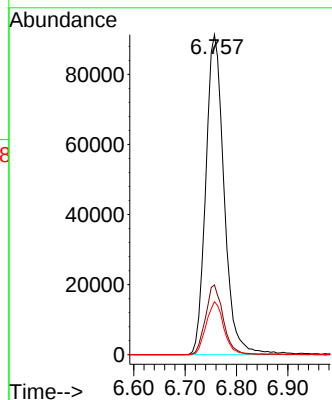
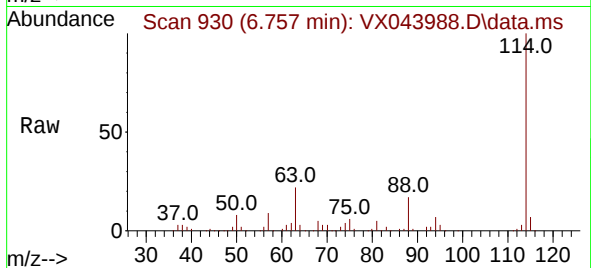
Tgt Ion:114 Resp: 225681

Ion Ratio Lower Upper

114 100

63 21.8 0.0 44.0

88 16.6 0.0 32.4



#35

Dibromofluoromethane

Concen: 47.188 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX043988.D

Acq: 25 Nov 2024 15:49

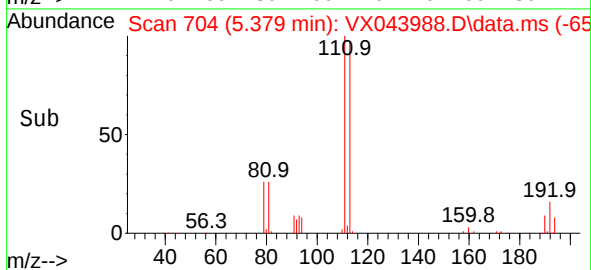
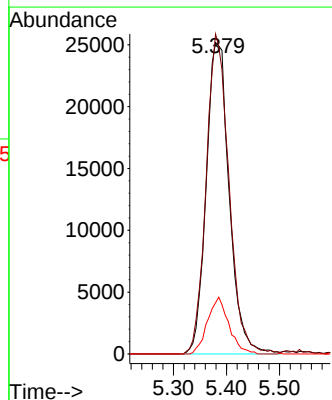
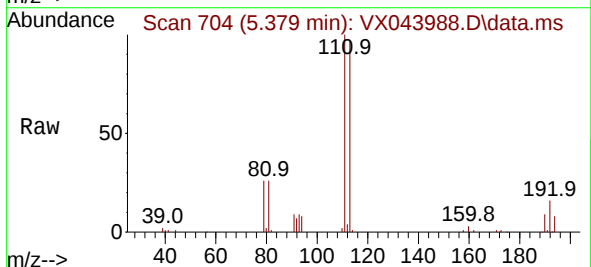
Tgt Ion:113 Resp: 76095

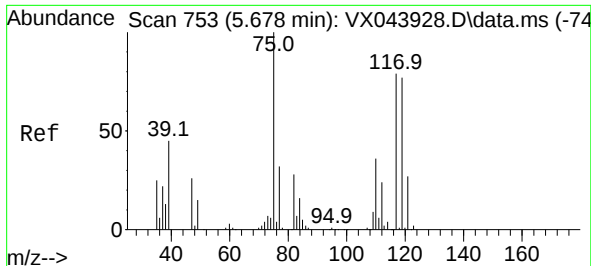
Ion Ratio Lower Upper

113 100

111 101.8 81.0 121.4

192 16.9 13.0 19.6





#36

1,1-Dichloropropene

Concen: 5.529 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.128 min

Lab File: VX043988.D

Acq: 25 Nov 2024 15:49

Instrument :

MSVOA_X

ClientSampleId :

FSND-MW-30-20241114

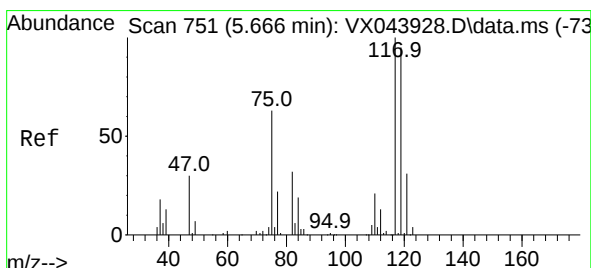
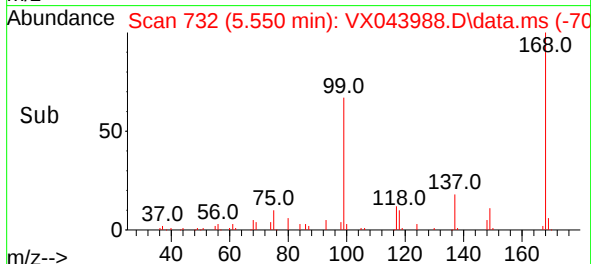
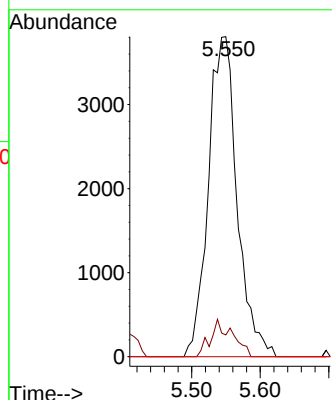
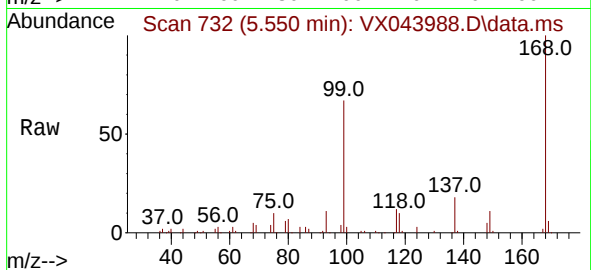
Tgt Ion: 75 Resp: 11110

Ion Ratio Lower Upper

75 100

110 8.9 17.4 52.2#

77 0.0 25.8 38.8#



#38

Carbon Tetrachloride

Concen: 6.035 ug/l

RT: 5.538 min Scan# 730

Delta R.T. -0.128 min

Lab File: VX043988.D

Acq: 25 Nov 2024 15:49

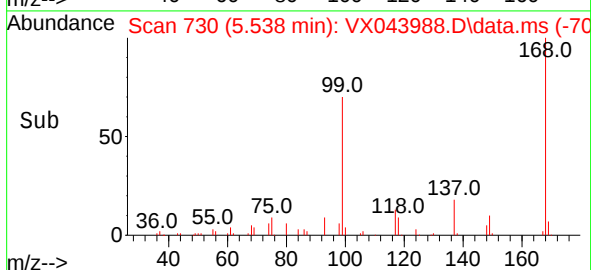
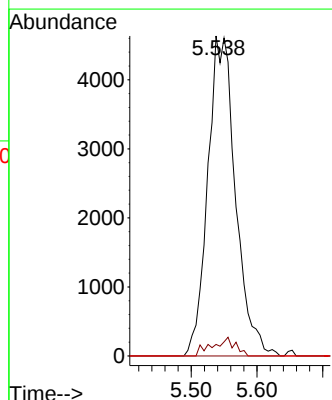
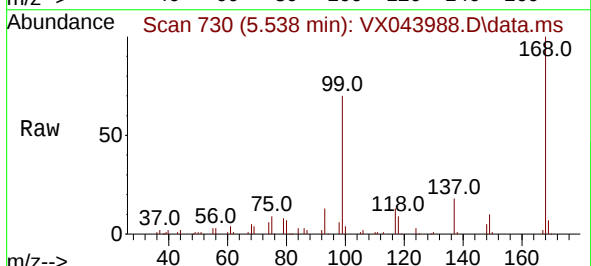
Tgt Ion: 117 Resp: 13626

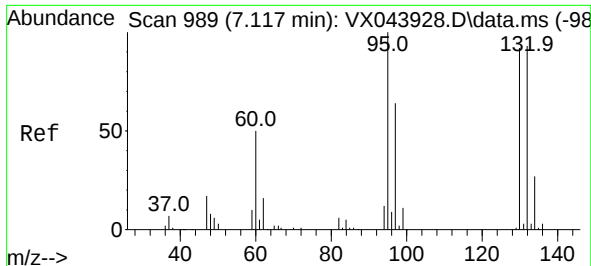
Ion Ratio Lower Upper

117 100

119 3.6 75.2 112.8#

121 0.0 24.5 36.7#

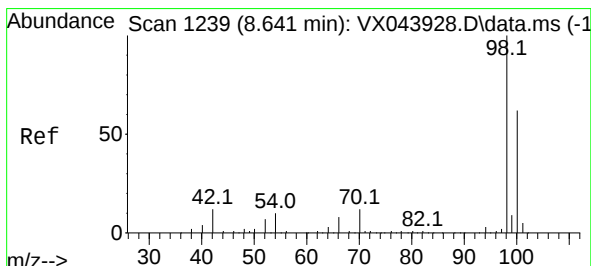
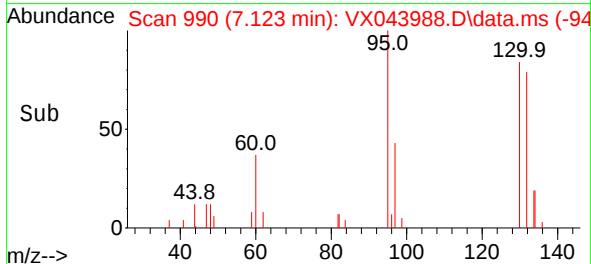
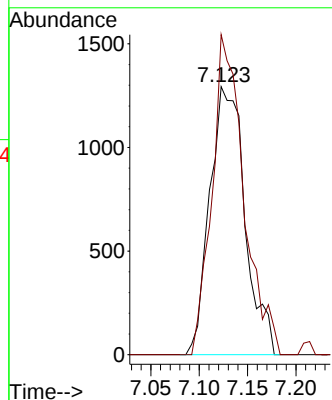
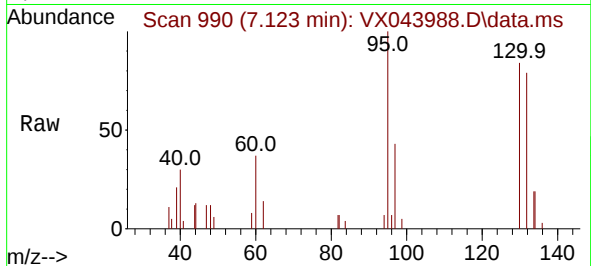




#44
Trichloroethene
Concen: 1.848 ug/l
RT: 7.123 min Scan# 94
Delta R.T. 0.006 min
Lab File: VX043988.D
Acq: 25 Nov 2024 15:49

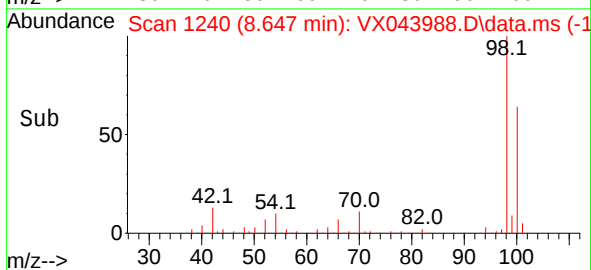
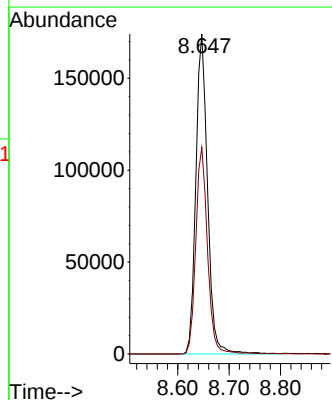
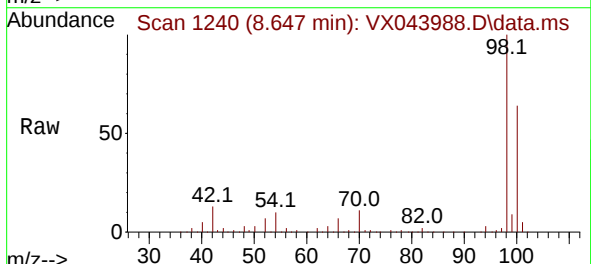
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-30-20241114

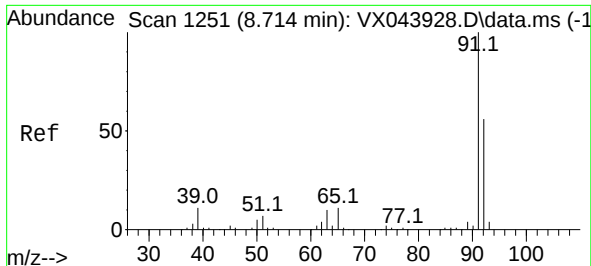
Tgt Ion:130 Resp: 3274
Ion Ratio Lower Upper
130 100
95 119.4 0.0 217.8



#50
Toluene-d8
Concen: 49.671 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043988.D
Acq: 25 Nov 2024 15:49

Tgt Ion: 98 Resp: 276109
Ion Ratio Lower Upper
98 100
100 64.6 52.6 79.0





#52

Toluene

Concen: 0.256 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VX043988.D

Acq: 25 Nov 2024 15:49

Instrument :

MSVOA_X

ClientSampleId :

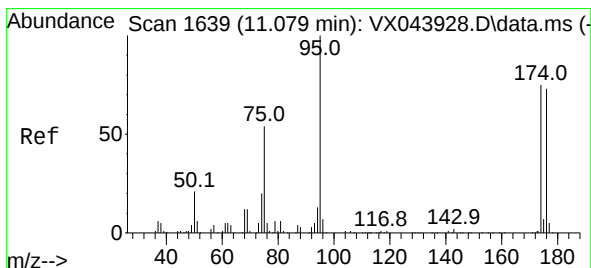
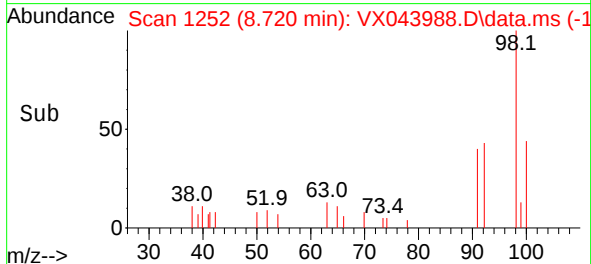
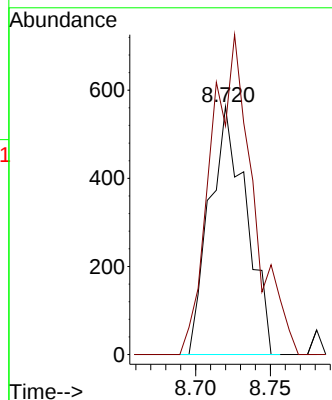
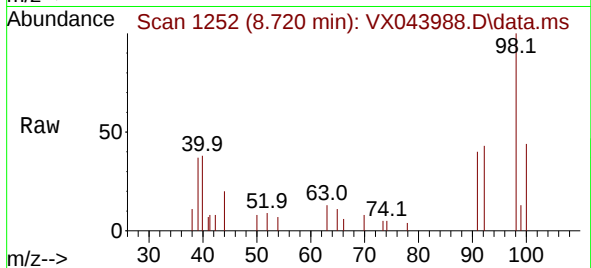
FSND-MW-30-20241114

Tgt Ion: 92 Resp: 960

Ion Ratio Lower Upper

92 100

91 148.8 139.7 209.5



#62

4-Bromofluorobenzene

Concen: 47.677 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043988.D

Acq: 25 Nov 2024 15:49

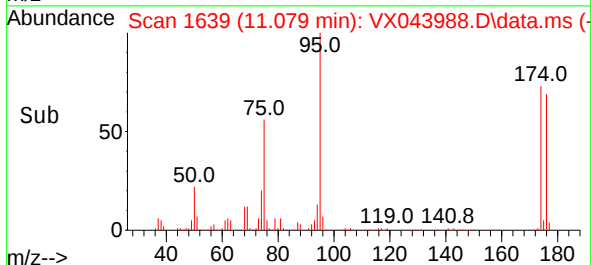
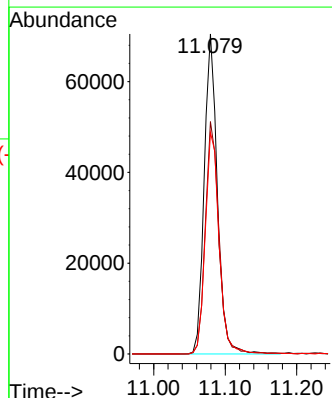
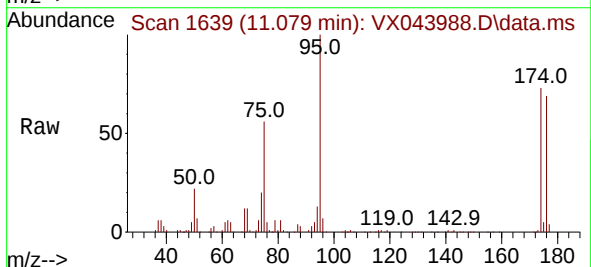
Tgt Ion: 95 Resp: 90197

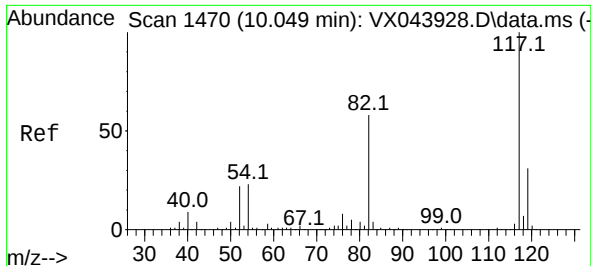
Ion Ratio Lower Upper

95 100

174 75.3 0.0 150.4

176 73.4 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: VX043988.D

Acq: 25 Nov 2024 15:49

Instrument :

MSVOA_X

ClientSampleId :

FSND-MW-30-20241114

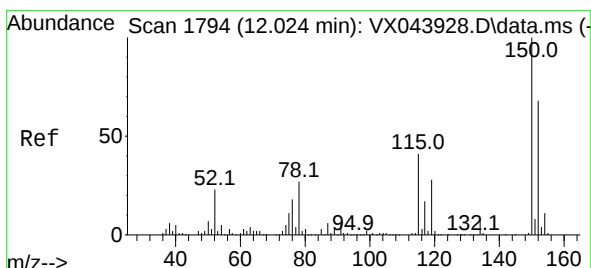
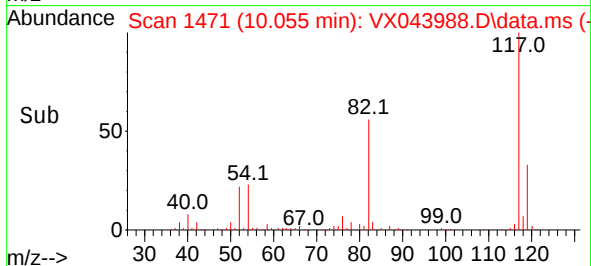
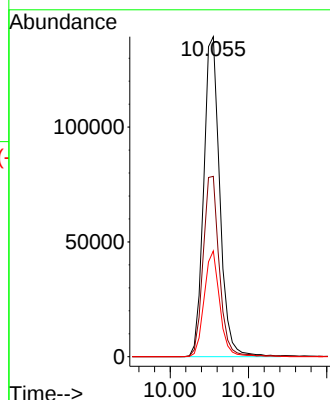
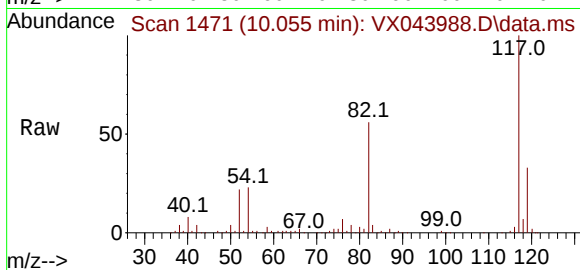
Tgt Ion:117 Resp: 198829

Ion Ratio Lower Upper

117 100

82 56.4 46.4 69.6

119 33.1 24.6 37.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VX043988.D

Acq: 25 Nov 2024 15:49

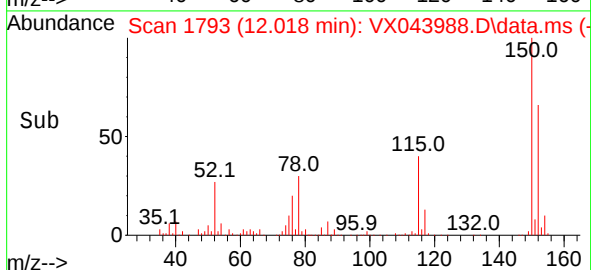
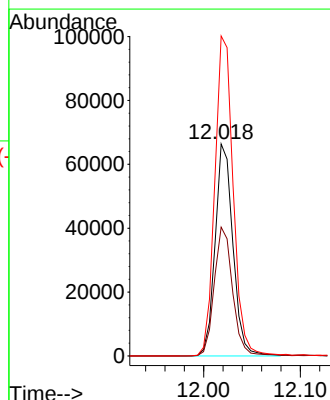
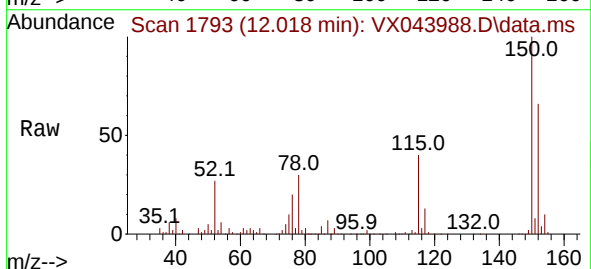
Tgt Ion:152 Resp: 84923

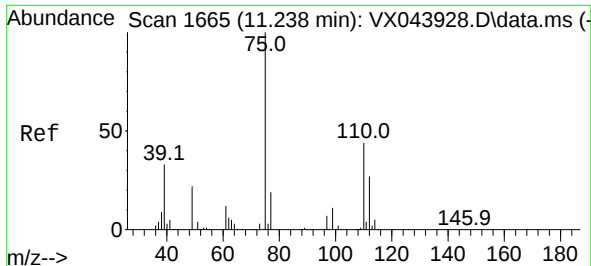
Ion Ratio Lower Upper

152 100

115 62.4 45.4 136.2

150 156.1 0.0 353.0





#76

1,2,3-Trichloropropane

Concen: 26.678 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX043988.D

Acq: 25 Nov 2024 15:49

Instrument :

MSVOA_X

ClientSampleId :

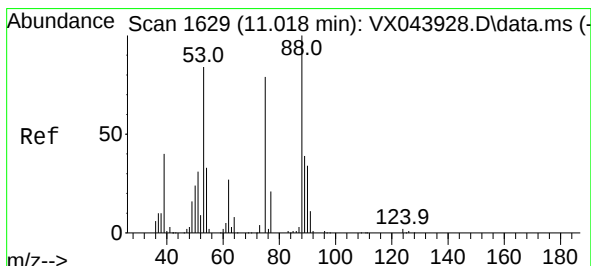
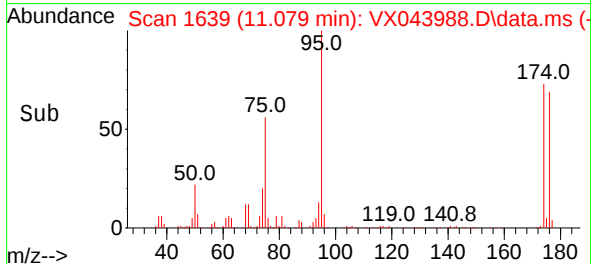
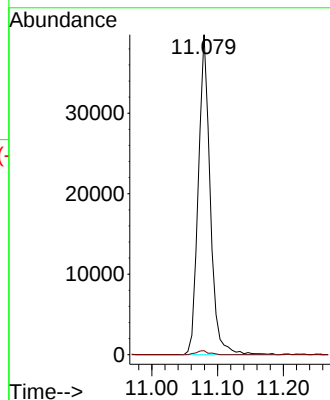
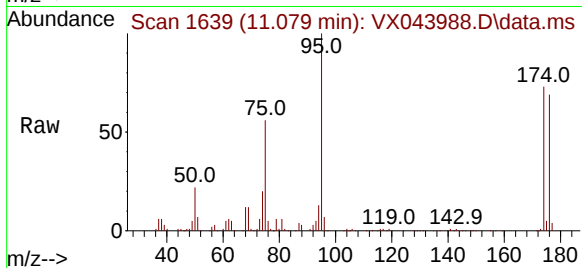
FSND-MW-30-20241114

Tgt Ion: 75 Resp: 49683

Ion Ratio Lower Upper

75 100

77 1.3 21.8 65.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.797 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX043988.D

Acq: 25 Nov 2024 15:49

Tgt Ion: 75 Resp: 49683

Ion Ratio Lower Upper

75 100

53 0.0 86.7 130.1#

89 0.0 38.2 57.2#

