

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
 Data File : VX043993.D
 Acq On : 25 Nov 2024 17:44
 Operator : JC/MD
 Sample : P4873-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-MW-28-20241114

Quant Time: Nov 27 07:44:13 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.	T.Q	Ion	Response	Conc	Units	Dev(Min)

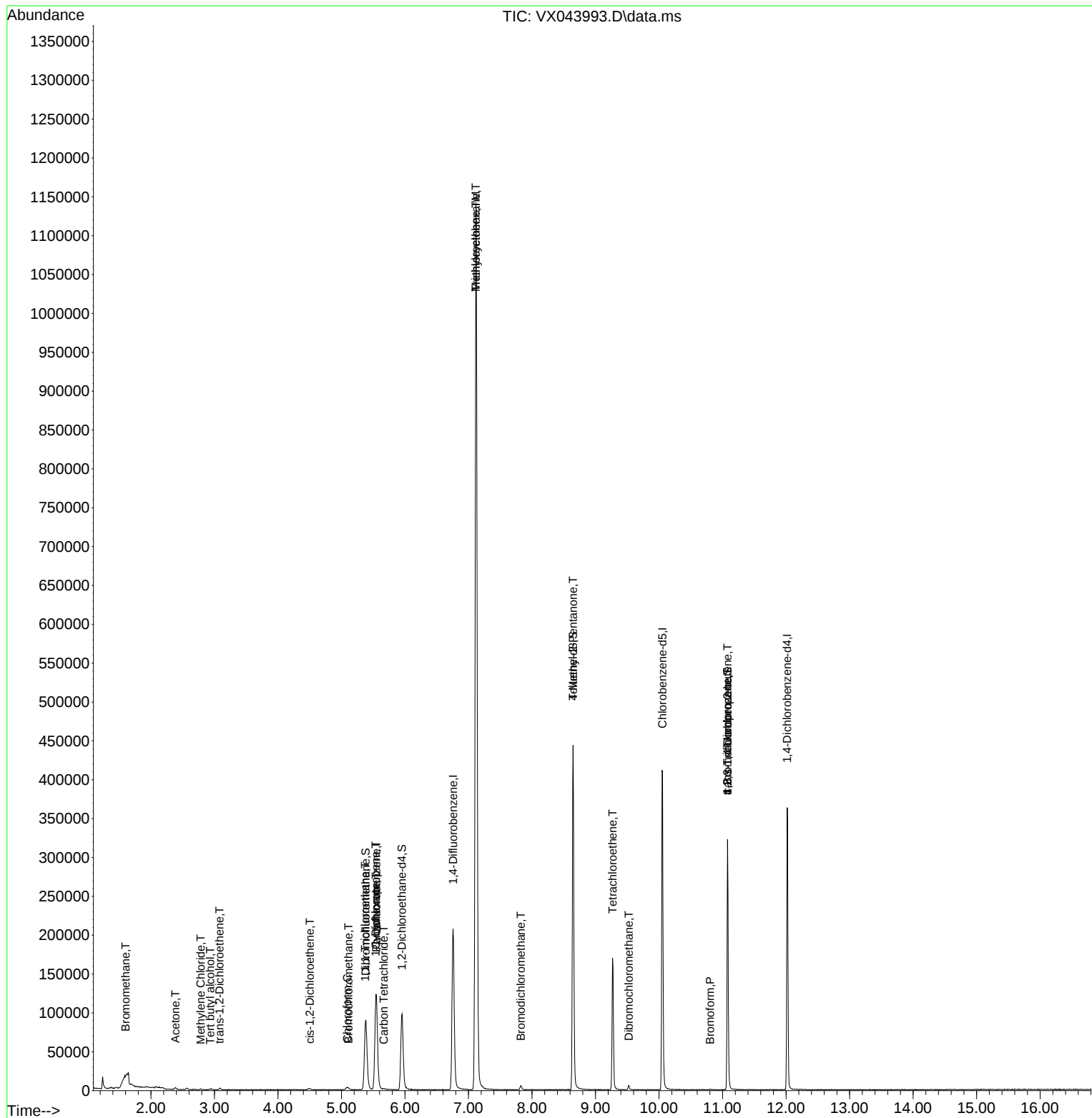
Internal Standards							
1) Pentafluorobenzene	5.550	168		108714	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114		206635	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117		183586	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152		69483	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.952	65		94974	50.934	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.860%	
35) Dibromofluoromethane	5.379	113		69574	47.121	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.240%	
50) Toluene-d8	8.647	98		259104	50.908	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.820%	
62) 4-Bromofluorobenzene	11.079	95		79414	45.847	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	91.700%	
Target Compounds							Qvalue
5) Bromomethane	1.599	94		275	0.290	ug/l	84
11) Tert butyl alcohol	2.934	59		300	1.002	ug/l #	73
16) Acetone	2.386	43		2595	3.030	ug/l	93
20) Methylene Chloride	2.782	84		509	0.350	ug/l #	77
21) trans-1,2-Dichloroethene	3.081	96		1036	0.801	ug/l #	72
27) cis-1,2-Dichloroethene	4.501	96		1213	0.759	ug/l	81
28) Bromochloromethane	5.111	49		282	0.254	ug/l #	15
30) Chloroform	5.093	83		3767	1.387	ug/l #	79
31) Cyclohexane	5.544	56		2981	1.434	ug/l #	64
32) 1,1,1-Trichloroethane	5.373	97		8101	3.459	ug/l #	87
36) 1,1-Dichloropropene	5.538	75		10264	5.579	ug/l #	49
38) Carbon Tetrachloride	5.666	117		806	0.390	ug/l #	55
39) Methylcyclohexane	7.117	83		5618	2.350	ug/l #	1
44) Trichloroethene	7.117	130		405015	249.635	ug/l	94
47) Bromodichloromethane	7.824	83		3405	1.710	ug/l #	94
51) 4-Methyl-2-Pentanone	8.647	43		1272	0.573	ug/l #	1
60) Dibromochloromethane	9.525	129		2389	1.682	ug/l	96
64) Tetrachloroethene	9.269	164		29576	24.432	ug/l	96
71) Bromoform	10.805	173		263	1.477	ug/l #	94
76) 1,2,3-Trichloropropane	11.079	75		46031	30.209	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75		46031	82.433	ug/l #	6

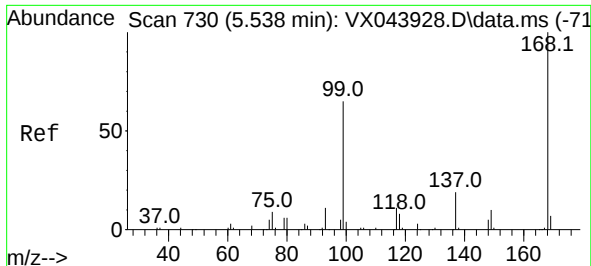
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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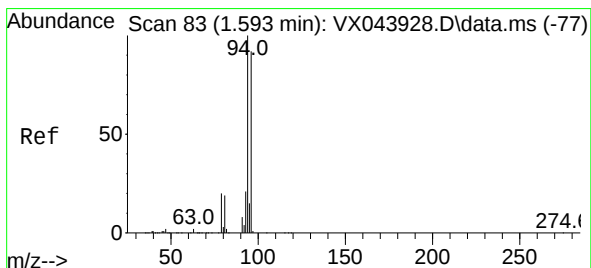
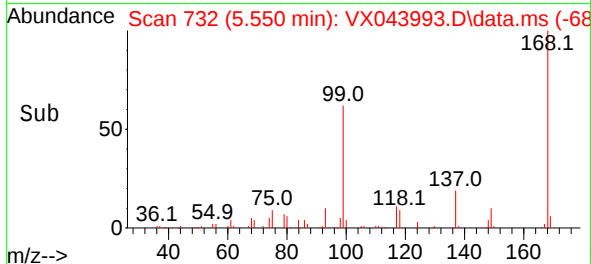
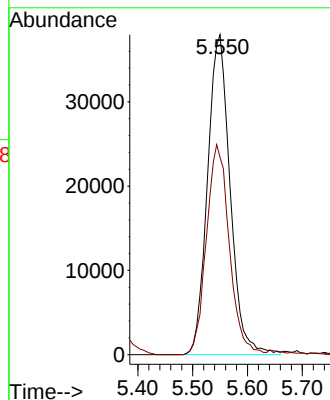
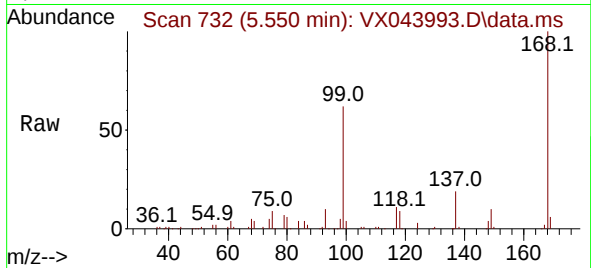




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX043993.D
Acq: 25 Nov 2024 17:44

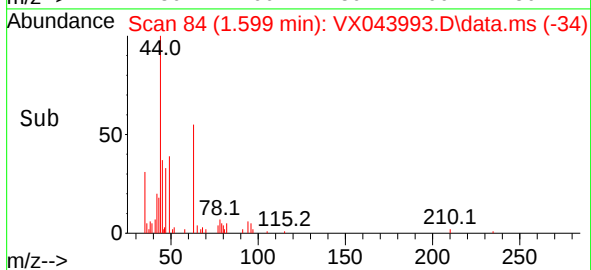
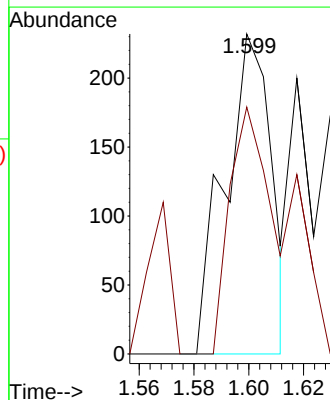
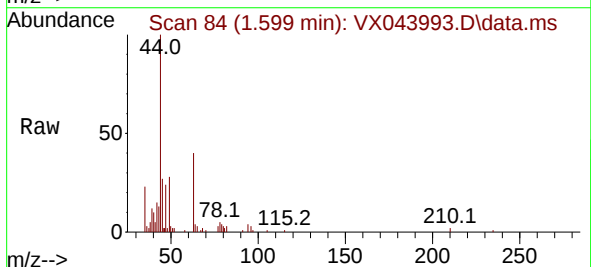
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-28-20241114

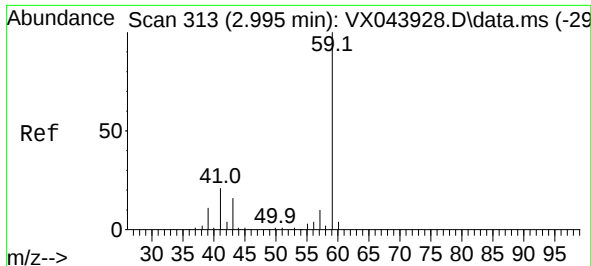
Tgt Ion:168 Resp: 108714
Ion Ratio Lower Upper
168 100
99 61.6 51.8 77.8



#5
Bromomethane
Concen: 0.290 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX043993.D
Acq: 25 Nov 2024 17:44

Tgt Ion: 94 Resp: 275
Ion Ratio Lower Upper
94 100
96 77.2 73.9 110.9

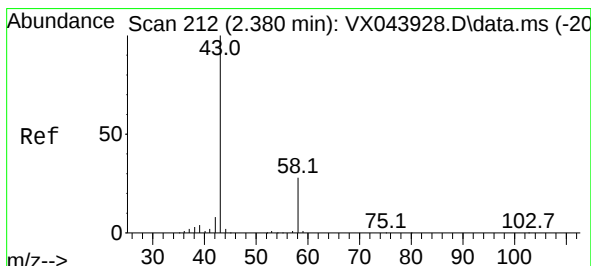
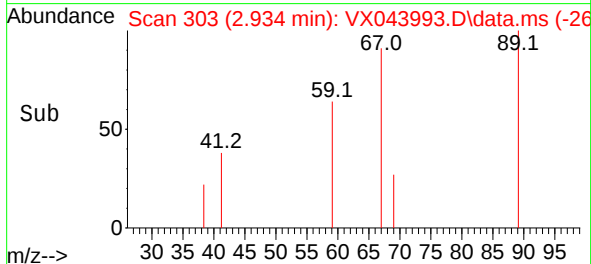
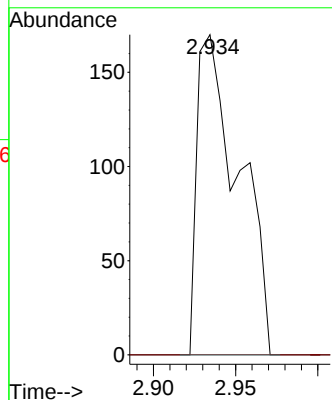
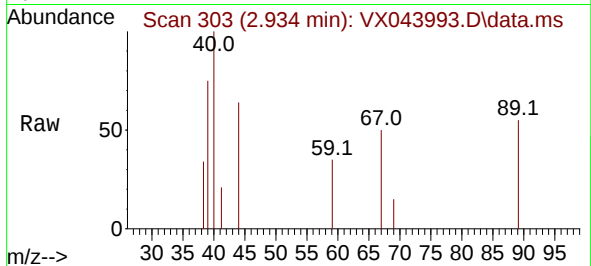




#11
Tert butyl alcohol
Concen: 1.002 ug/l
RT: 2.934 min Scan# 30
Delta R.T. -0.061 min
Lab File: VX043993.D
Acq: 25 Nov 2024 17:44

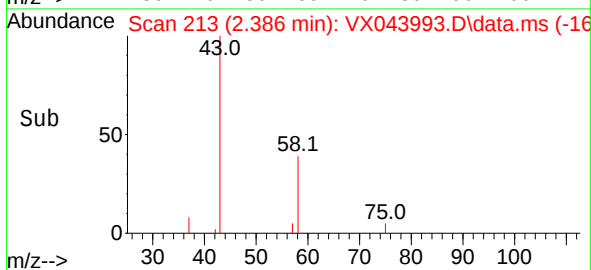
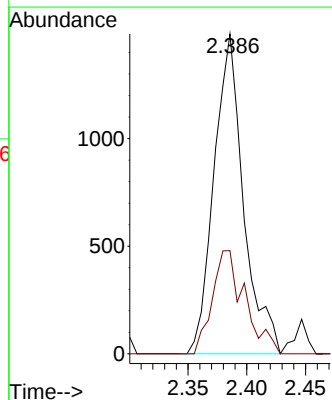
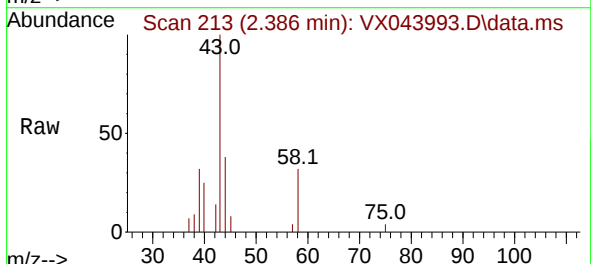
Instrument :
MSVOA_X
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FSND-MW-28-20241114

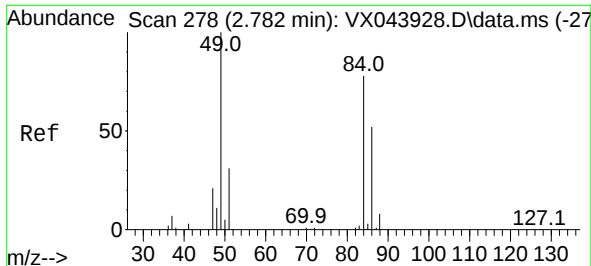
Tgt Ion: 59 Resp: 300
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#



#16
Acetone
Concen: 3.030 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043993.D
Acq: 25 Nov 2024 17:44

Tgt Ion: 43 Resp: 2595
Ion Ratio Lower Upper
43 100
58 32.3 22.7 34.1

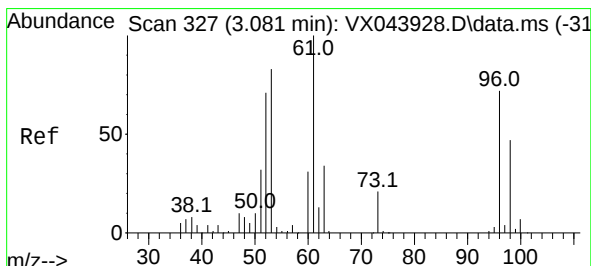
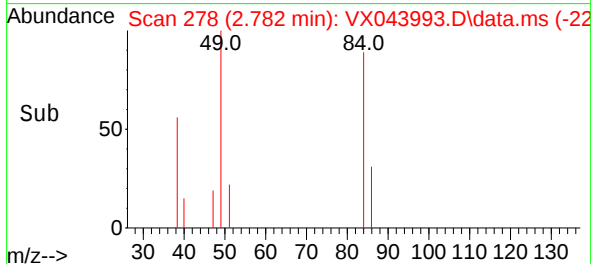
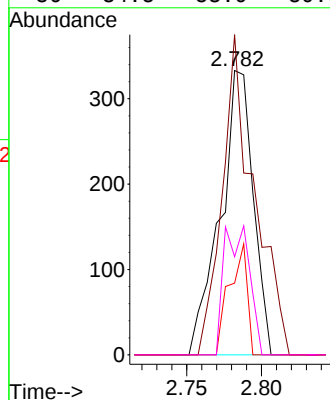
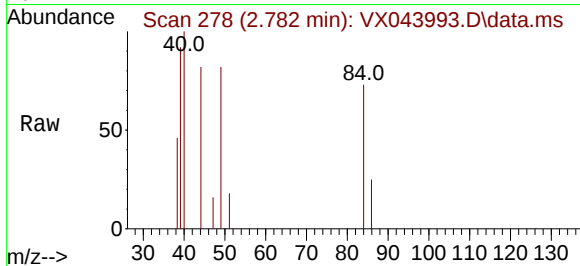




#20
Methylene Chloride
Concen: 0.350 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX043993.D
Acq: 25 Nov 2024 17:44

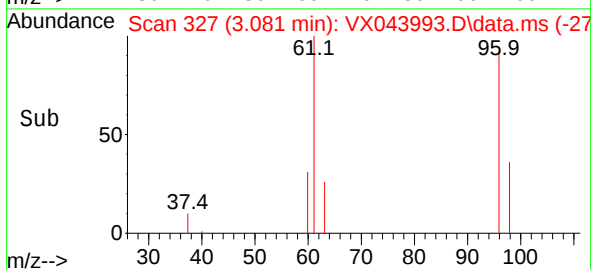
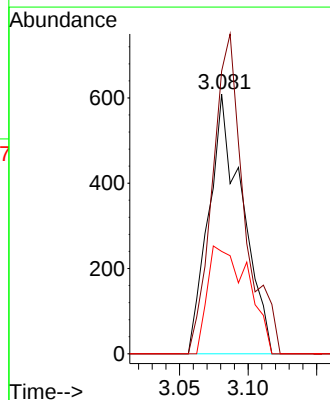
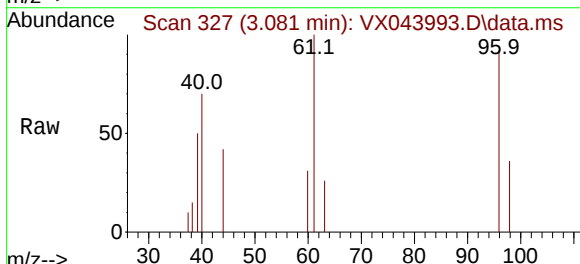
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-28-20241114

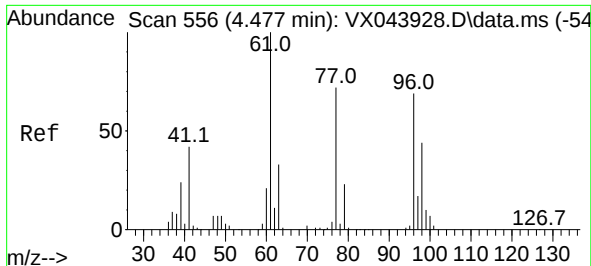
Tgt Ion:	84	Resp:	509
Ion	Ratio	Lower	Upper
84	100		
49	112.6	102.7	154.1
51	25.2	31.7	47.5#
86	34.5	53.9	80.9#



#21
trans-1,2-Dichloroethene
Concen: 0.801 ug/l
RT: 3.081 min Scan# 327
Delta R.T. -0.000 min
Lab File: VX043993.D
Acq: 25 Nov 2024 17:44

Tgt Ion:	96	Resp:	1036
Ion	Ratio	Lower	Upper
96	100		
61	108.9	111.8	167.6#
98	39.4	52.7	79.1#





#27

cis-1,2-Dichloroethene

Concen: 0.759 ug/l

RT: 4.501 min Scan# 5

Delta R.T. 0.024 min

Lab File: VX043993.D

Acq: 25 Nov 2024 17:44

Instrument :

MSVOA_X

ClientSampleId :

FSND-MW-28-20241114

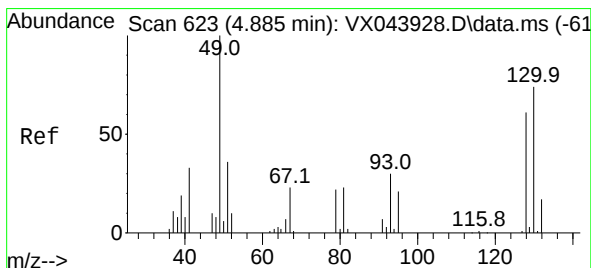
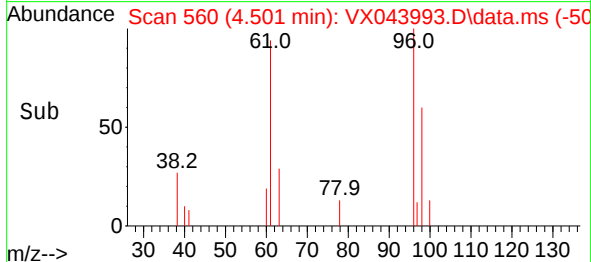
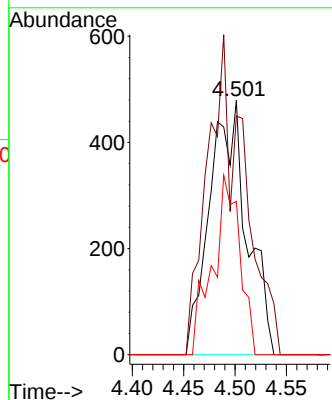
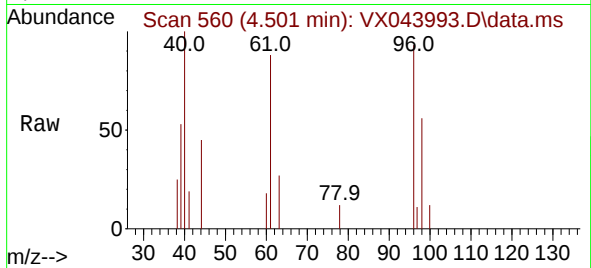
Tgt Ion: 96 Resp: 1213

Ion Ratio Lower Upper

96 100

61 123.4 0.0 297.4

98 51.4 0.0 127.8



#28

Bromochloromethane

Concen: 0.254 ug/l

RT: 5.111 min Scan# 660

Delta R.T. 0.225 min

Lab File: VX043993.D

Acq: 25 Nov 2024 17:44

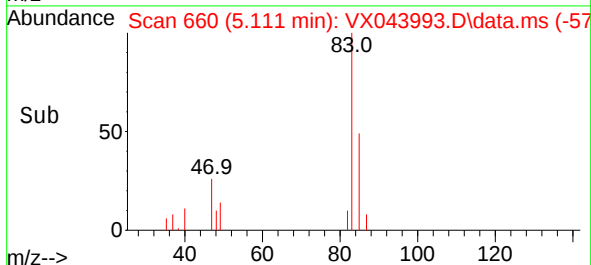
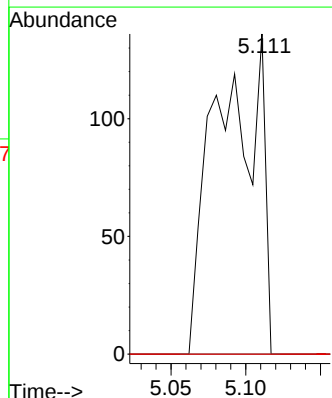
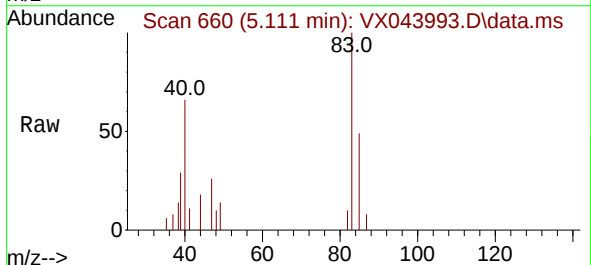
Tgt Ion: 49 Resp: 282

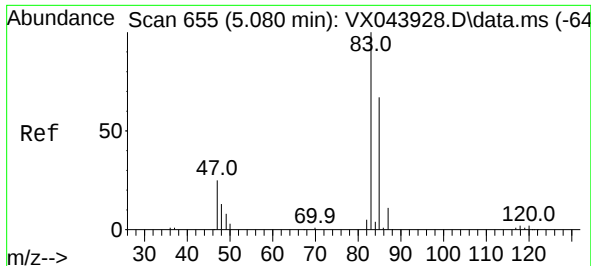
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.0

130 0.0 59.0 88.6#





#30

Chloroform

Concen: 1.387 ug/l

RT: 5.093 min Scan# 61

Delta R.T. 0.012 min

Lab File: VX043993.D

Acq: 25 Nov 2024 17:44

Instrument :

MSVOA_X

ClientSampleId :

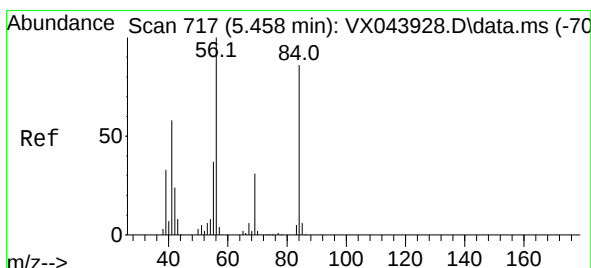
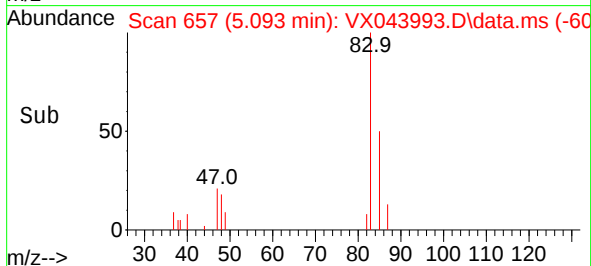
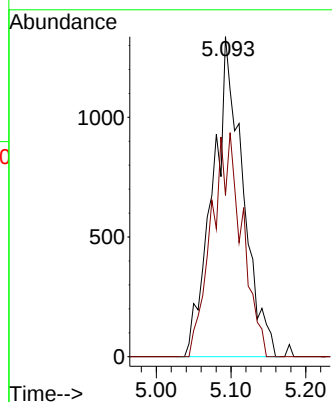
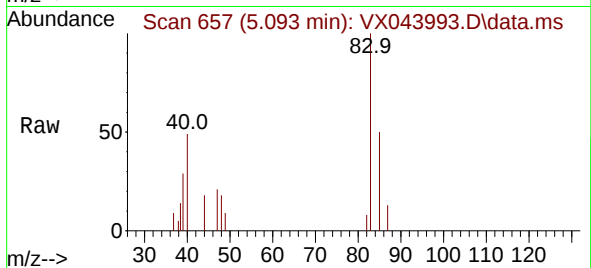
FSND-MW-28-20241114

Tgt Ion: 83 Resp: 3767

Ion Ratio Lower Upper

83 100

85 50.4 53.5 80.3#



#31

Cyclohexane

Concen: 1.434 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.085 min

Lab File: VX043993.D

Acq: 25 Nov 2024 17:44

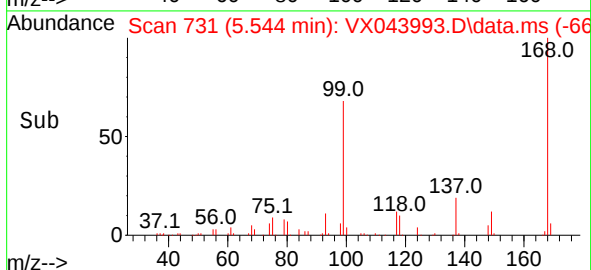
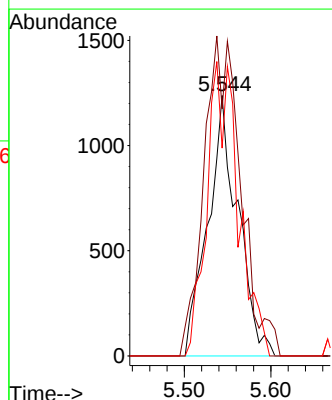
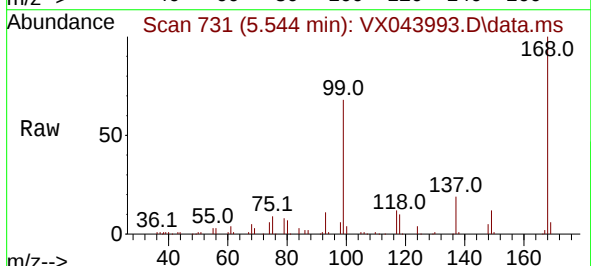
Tgt Ion: 56 Resp: 2981

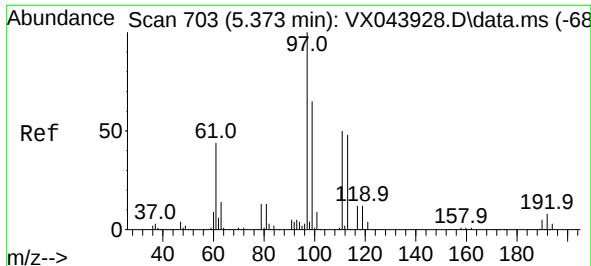
Ion Ratio Lower Upper

56 100

69 94.9 24.7 37.1#

84 79.8 68.7 103.1





#32

1,1,1-Trichloroethane

Concen: 3.459 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX043993.D

Acq: 25 Nov 2024 17:44

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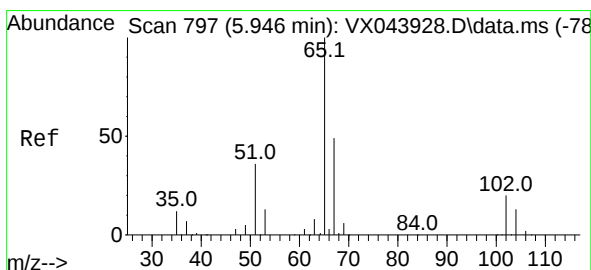
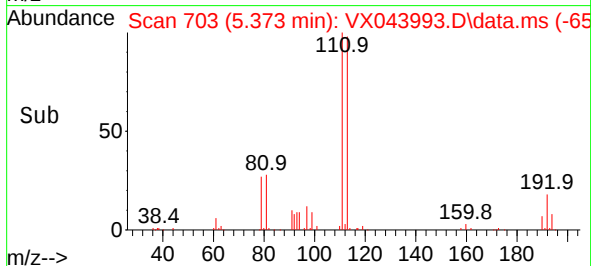
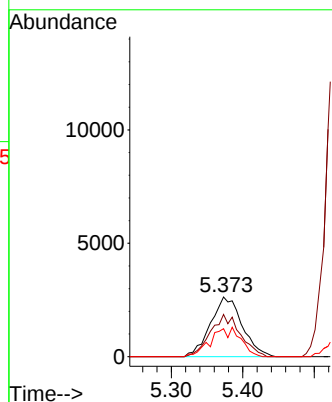
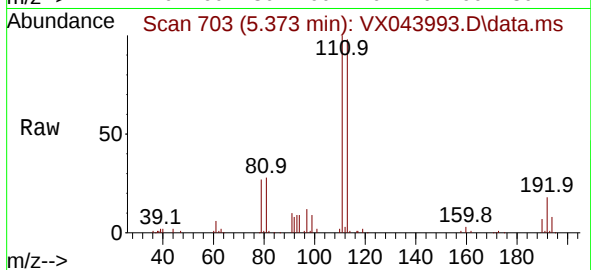
Tgt Ion: 97 Resp: 8101

Ion Ratio Lower Upper

97 100

99 66.6 50.8 76.2

61 27.9 35.4 53.2#



#33

1,2-Dichloroethane-d4

Concen: 50.934 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX043993.D

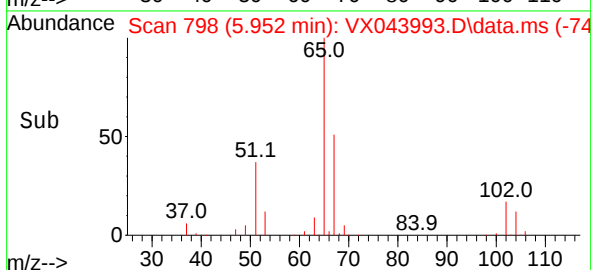
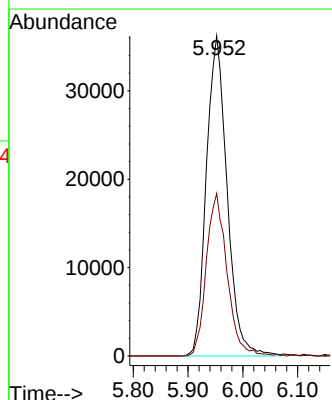
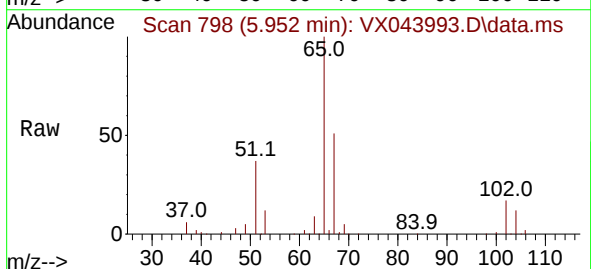
Acq: 25 Nov 2024 17:44

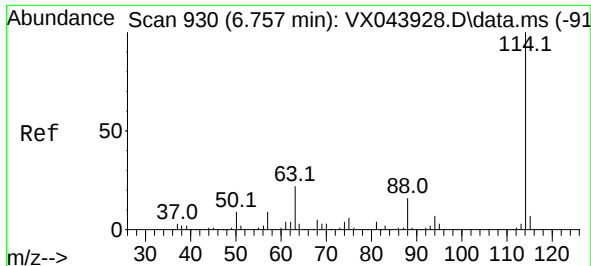
Tgt Ion: 65 Resp: 94974

Ion Ratio Lower Upper

65 100

67 50.9 0.0 100.8

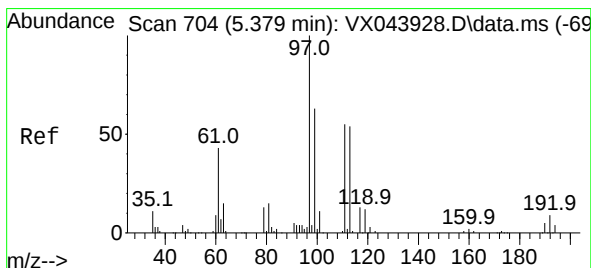
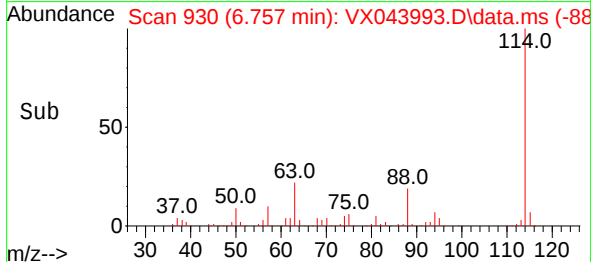
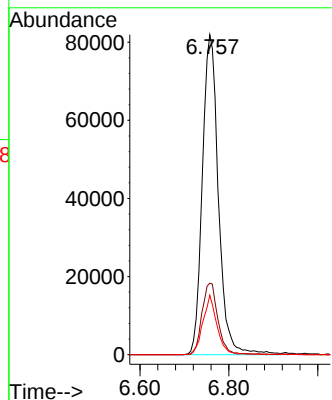
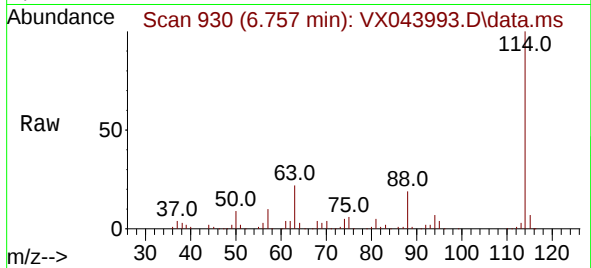




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX043993.D
Acq: 25 Nov 2024 17:44

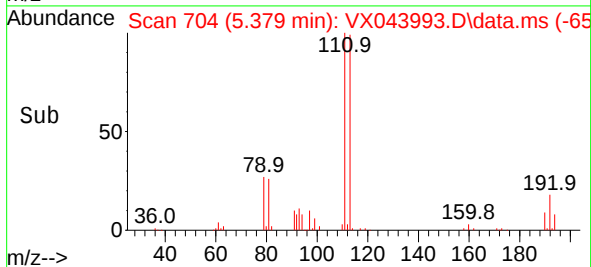
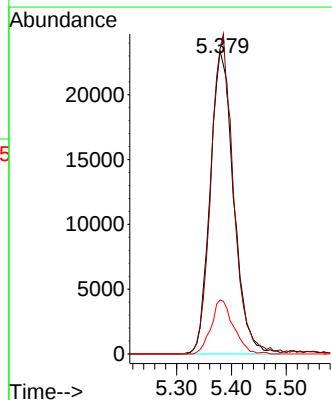
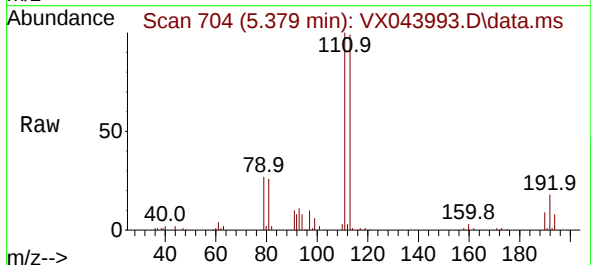
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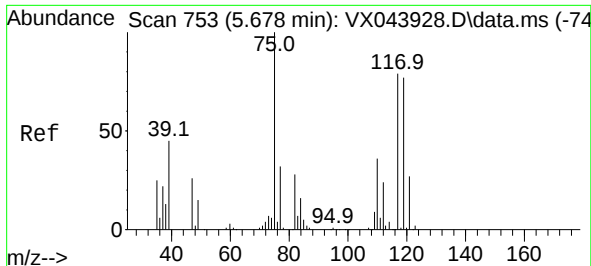
Tgt Ion:114 Resp: 206635
Ion Ratio Lower Upper
114 100
63 22.3 0.0 44.0
88 18.6 0.0 32.4



#35
Dibromofluoromethane
Concen: 47.121 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX043993.D
Acq: 25 Nov 2024 17:44

Tgt Ion:113 Resp: 69574
Ion Ratio Lower Upper
113 100
111 101.2 81.0 121.4
192 16.8 13.0 19.6





#36

1,1-Dichloropropene

Concen: 5.579 ug/l

RT: 5.538 min Scan# 753

Delta R.T. -0.140 min

Lab File: VX043993.D

Acq: 25 Nov 2024 17:44

Instrument :

MSVOA_X

ClientSampleId :

FSND-MW-28-20241114

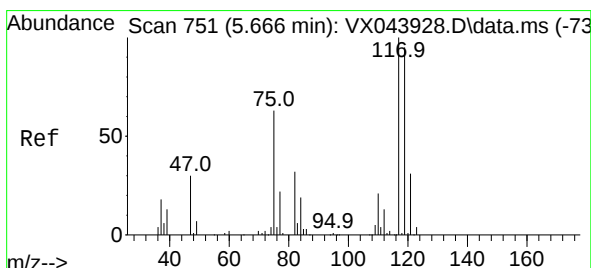
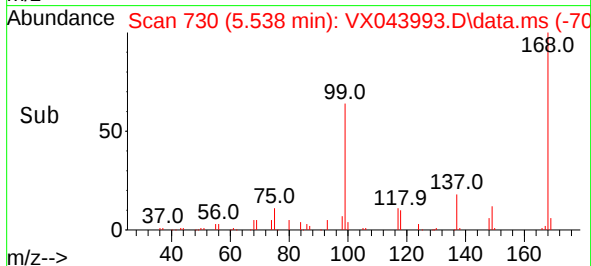
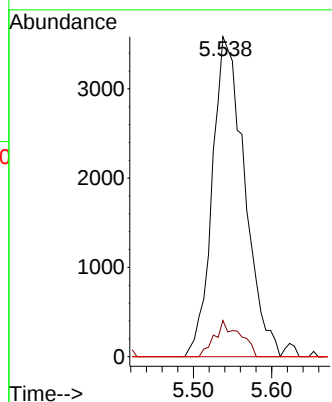
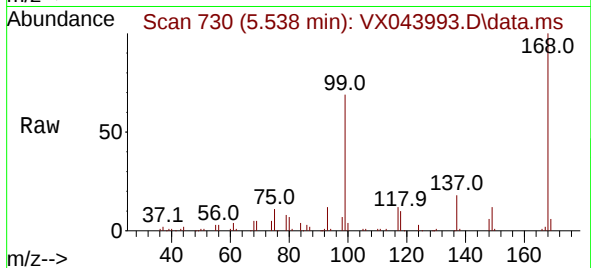
Tgt Ion: 75 Resp: 10264

Ion Ratio Lower Upper

75 100

110 8.8 17.4 52.2#

77 0.0 25.8 38.8#



#38

Carbon Tetrachloride

Concen: 0.390 ug/l

RT: 5.666 min Scan# 751

Delta R.T. -0.000 min

Lab File: VX043993.D

Acq: 25 Nov 2024 17:44

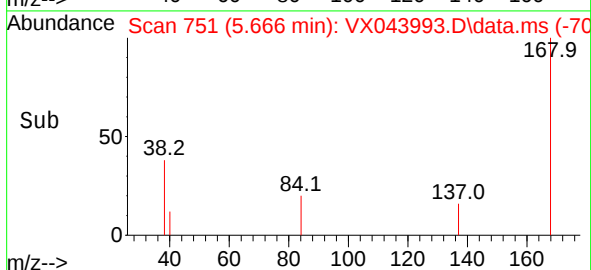
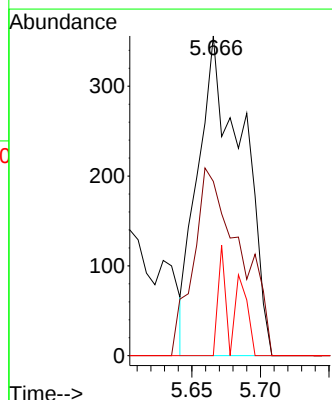
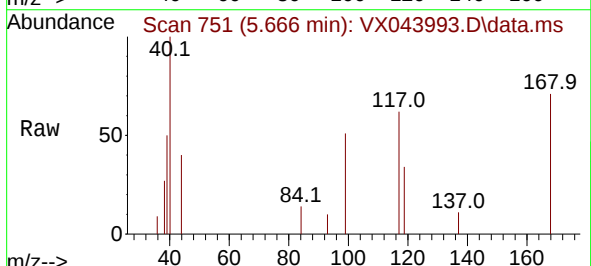
Tgt Ion: 117 Resp: 806

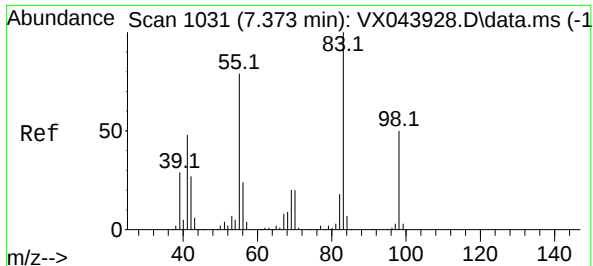
Ion Ratio Lower Upper

117 100

119 54.5 75.2 112.8#

121 0.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 2.350 ug/l

RT: 7.117 min Scan# 989

Delta R.T. -0.256 min

Lab File: VX043993.D

Acq: 25 Nov 2024 17:44

Instrument :

MSVOA_X

ClientSampleId :

FSND-MW-28-20241114

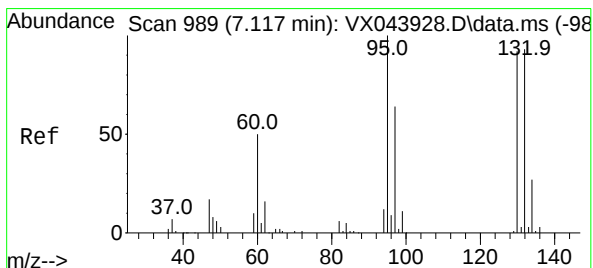
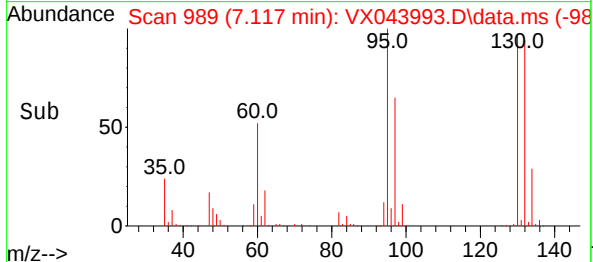
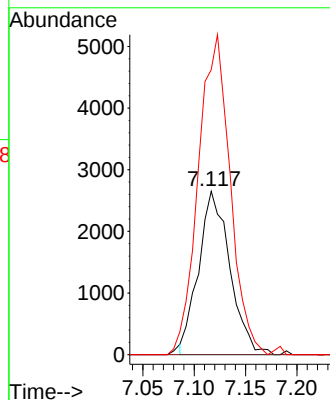
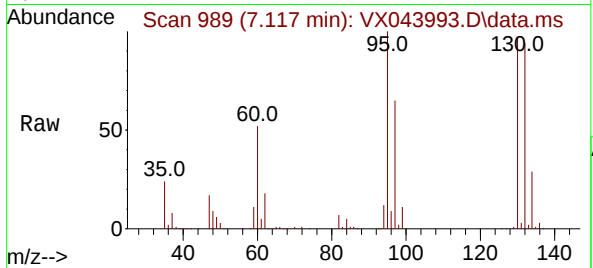
Tgt Ion: 83 Resp: 5618

Ion Ratio Lower Upper

83 100

55 0.0 63.1 94.7#

98 169.3 40.0 60.0#



#44

Trichloroethene

Concen: 249.635 ug/l

RT: 7.117 min Scan# 989

Delta R.T. -0.000 min

Lab File: VX043993.D

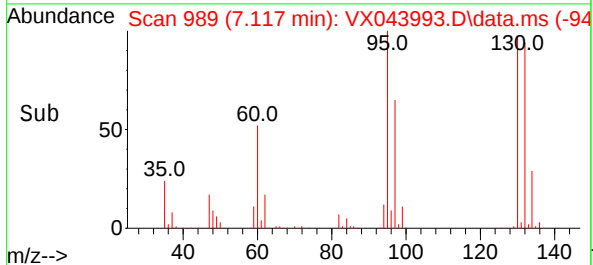
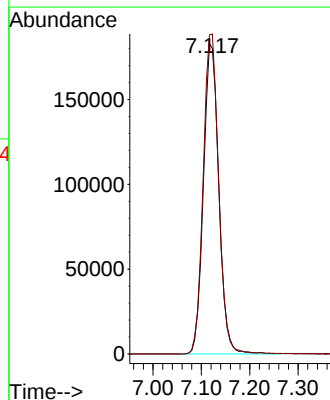
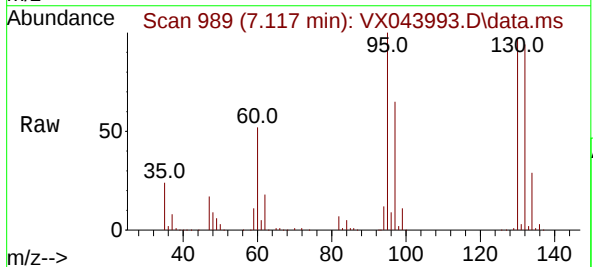
Acq: 25 Nov 2024 17:44

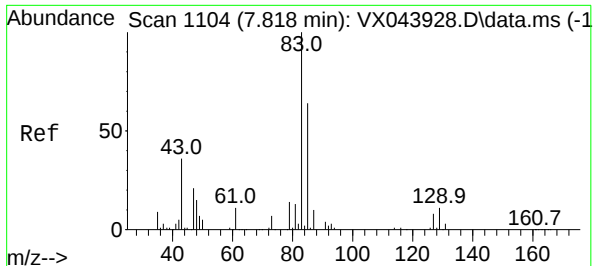
Tgt Ion:130 Resp: 405015

Ion Ratio Lower Upper

130 100

95 102.9 0.0 217.8





#47

Bromodichloromethane

Concen: 1.710 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VX043993.D

Acq: 25 Nov 2024 17:44

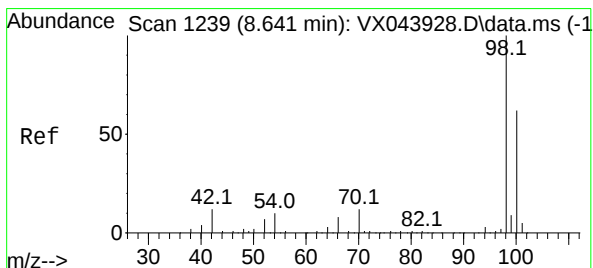
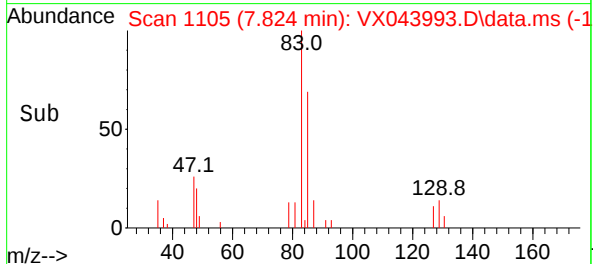
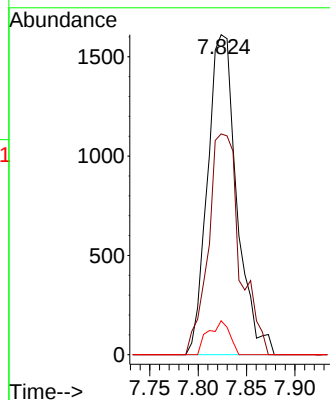
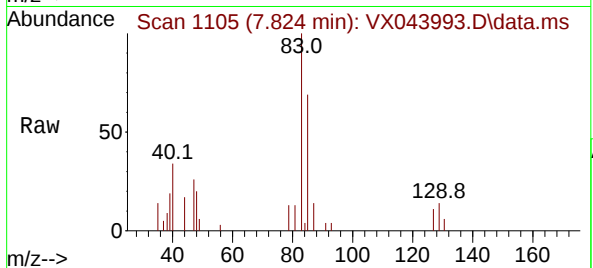
Instrument :

MSVOA_X

ClientSampleId :

FSND-MW-28-20241114

Tgt Ion: 83	Resp: 3405
Ion Ratio	Lower Upper
83 100	
85 69.0	51.4 77.0
127 10.6	6.6 10.0



#50

Toluene-d8

Concen: 50.908 ug/l

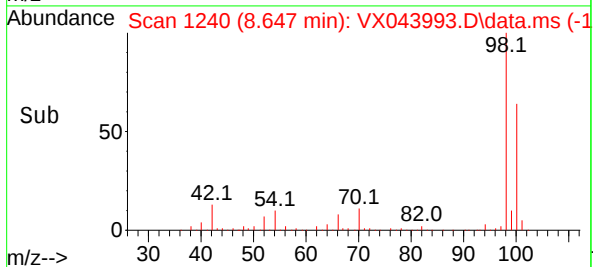
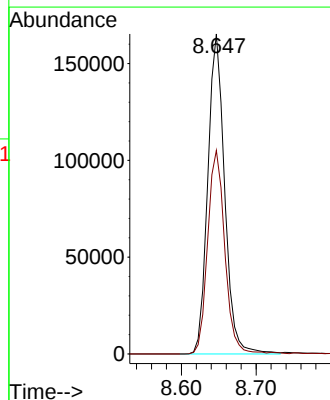
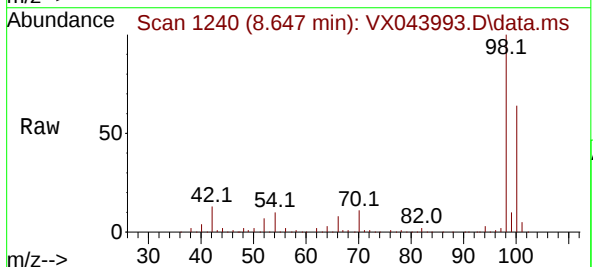
RT: 8.647 min Scan# 1240

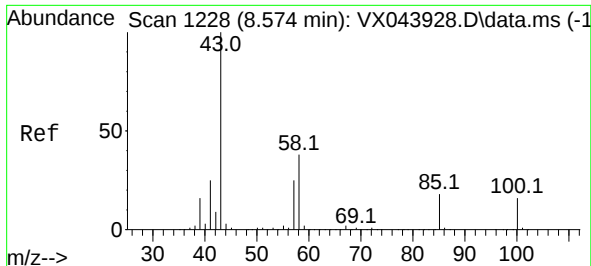
Delta R.T. 0.006 min

Lab File: VX043993.D

Acq: 25 Nov 2024 17:44

Tgt Ion: 98	Resp: 259104
Ion Ratio	Lower Upper
98 100	
100 64.8	52.6 79.0

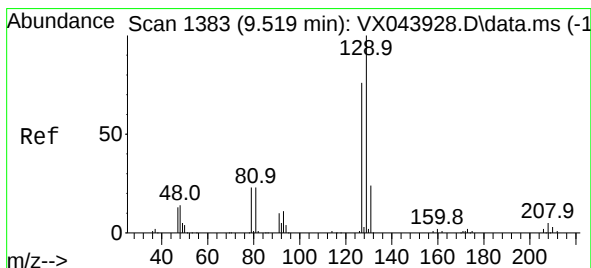
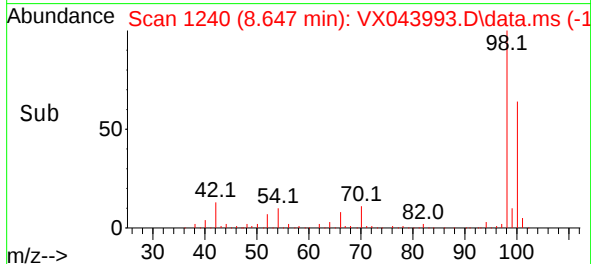
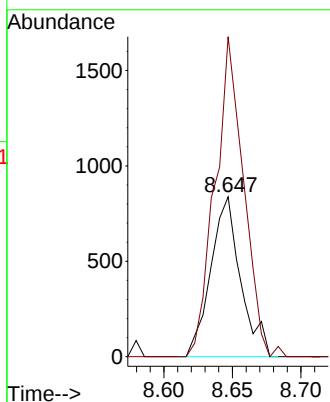
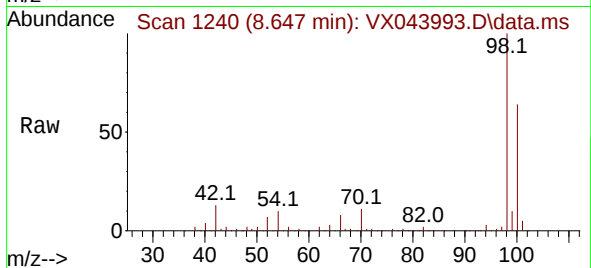




#51
4-Methyl-2-Pentanone
Concen: 0.573 ug/l
RT: 8.647 min Scan# 1228
Delta R.T. 0.073 min
Lab File: VX043993.D
Acq: 25 Nov 2024 17:44

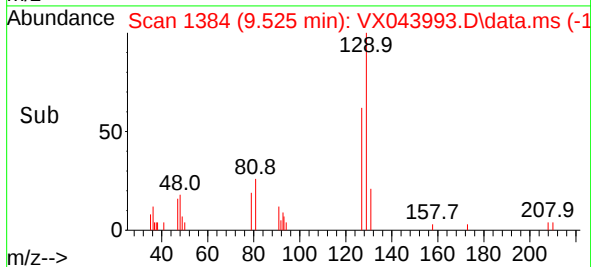
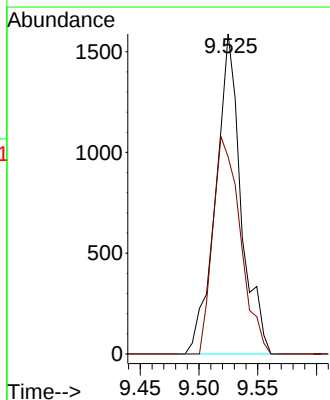
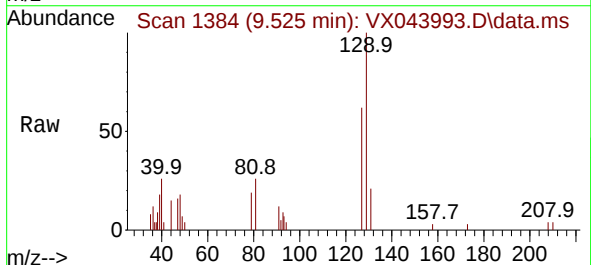
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-28-20241114

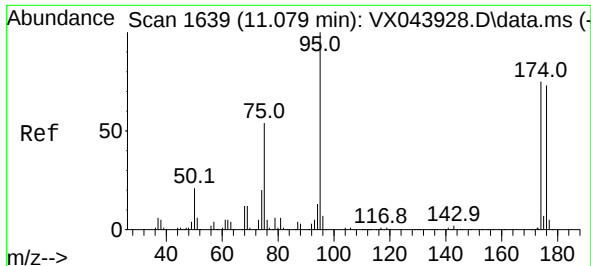
Tgt Ion: 43 Resp: 1272
Ion Ratio Lower Upper
43 100
58 191.7 30.0 45.0#



#60
Dibromochloromethane
Concen: 1.682 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX043993.D
Acq: 25 Nov 2024 17:44

Tgt Ion: 129 Resp: 2389
Ion Ratio Lower Upper
129 100
127 73.4 38.2 114.6





#62

4-Bromofluorobenzene

Concen: 45.847 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043993.D

Acq: 25 Nov 2024 17:44

Instrument :

MSVOA_X

ClientSampleId :

FSND-MW-28-20241114

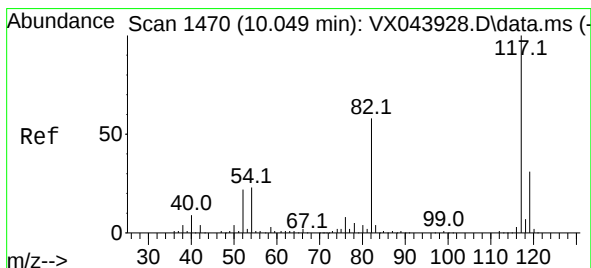
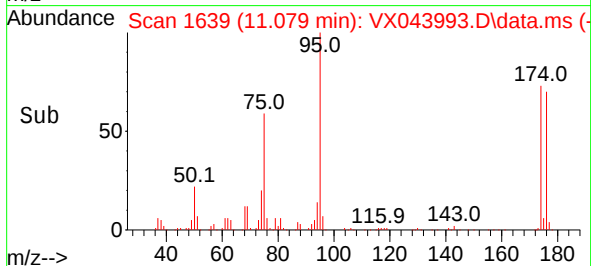
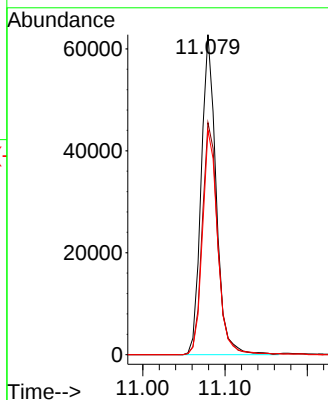
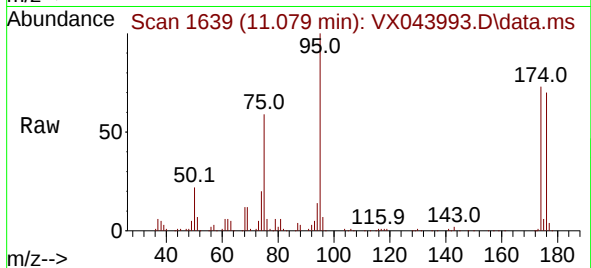
Tgt Ion: 95 Resp: 79414

Ion Ratio Lower Upper

95 100

174 74.8 0.0 150.4

176 72.0 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: VX043993.D

Acq: 25 Nov 2024 17:44

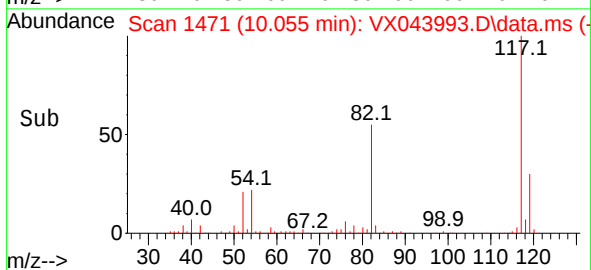
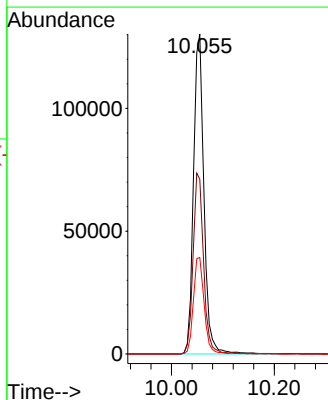
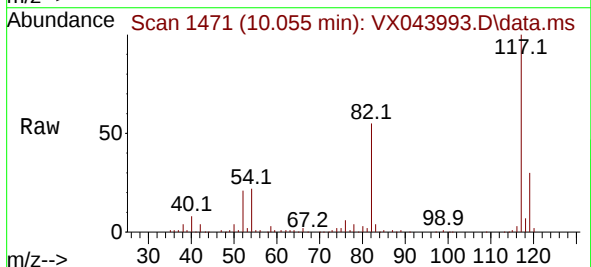
Tgt Ion:117 Resp: 183586

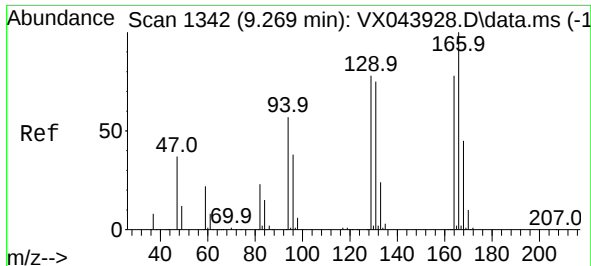
Ion Ratio Lower Upper

117 100

82 54.6 46.4 69.6

119 30.1 24.6 37.0

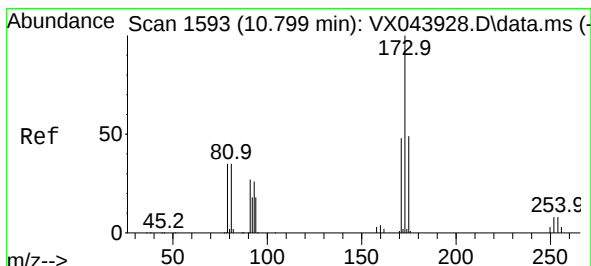
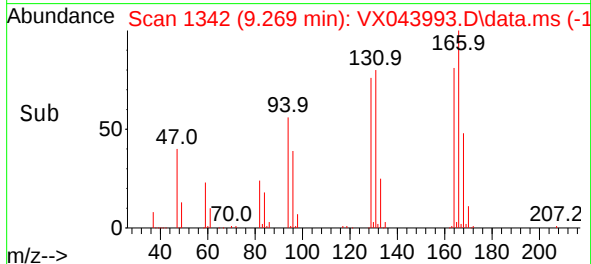
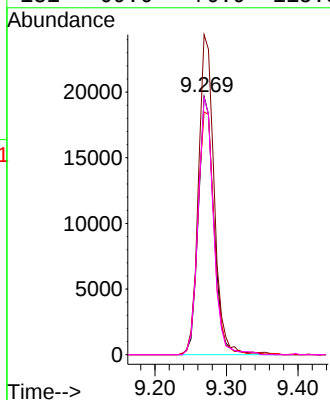
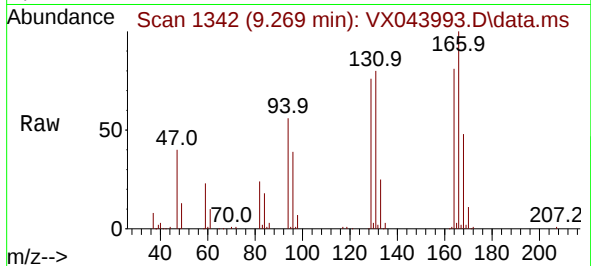




#64
Tetrachloroethene
Concen: 24.432 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043993.D
Acq: 25 Nov 2024 17:44

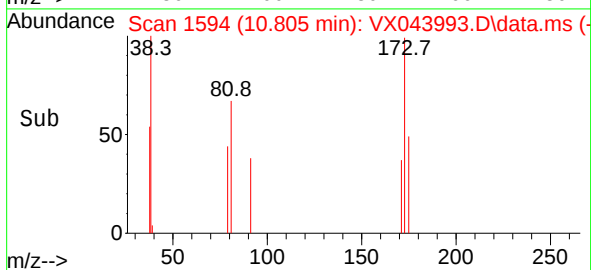
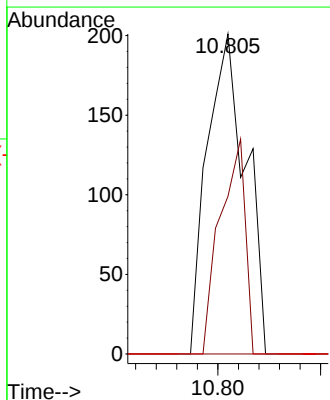
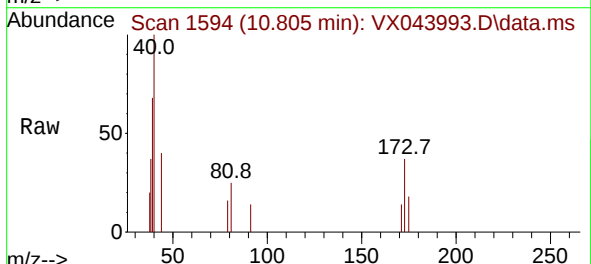
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-28-20241114

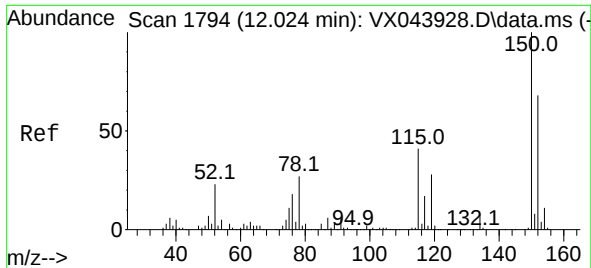
Tgt Ion:164	Resp:	29576
Ion Ratio	Lower	Upper
164	100	
166	124.0	102.1 153.1
129	94.1	79.6 119.4
131	99.6	76.9 115.3



#71
Bromoform
Concen: 1.477 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. 0.006 min
Lab File: VX043993.D
Acq: 25 Nov 2024 17:44

Tgt Ion:173	Resp:	263
Ion Ratio	Lower	Upper
173	100	
175	43.7	24.1 72.2
254	0.0	0.0 0.0

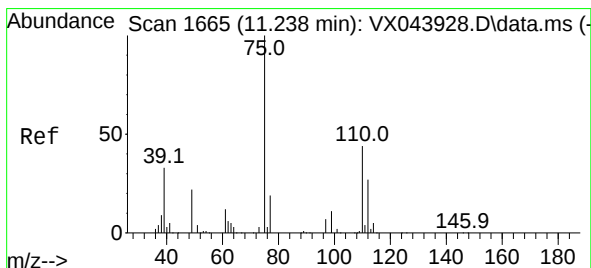
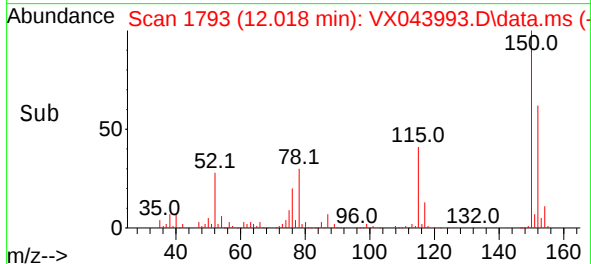
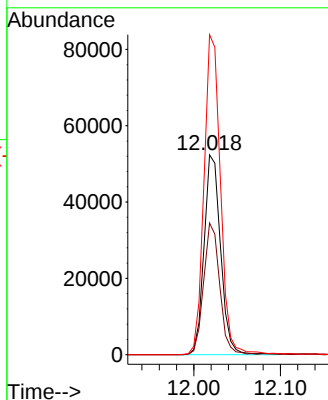
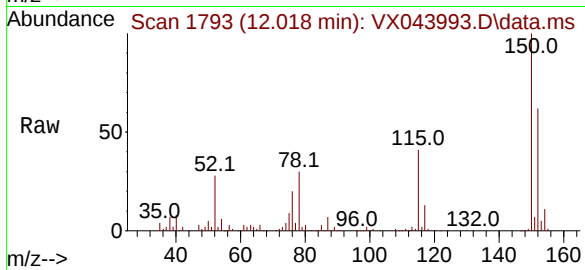




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VX043993.D
 Acq: 25 Nov 2024 17:44

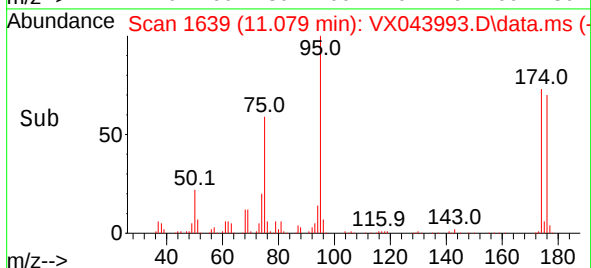
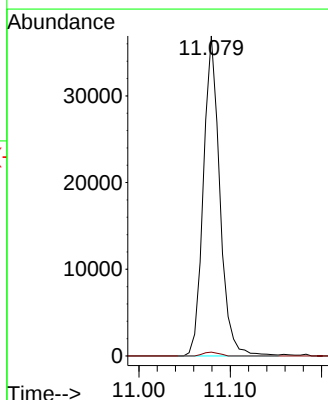
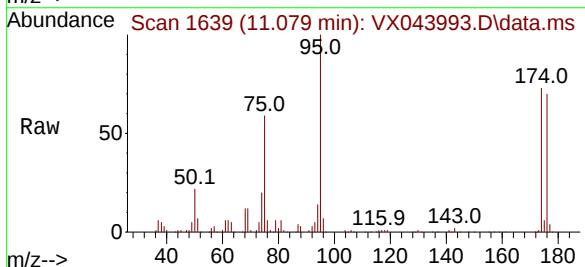
Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-MW-28-20241114

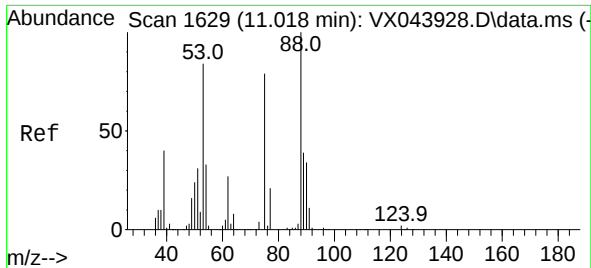
Tgt Ion:152 Resp: 69483
 Ion Ratio Lower Upper
 152 100
 115 63.9 45.4 136.2
 150 160.4 0.0 353.0



#76
 1,2,3-Trichloropropane
 Concen: 30.209 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX043993.D
 Acq: 25 Nov 2024 17:44

Tgt Ion: 75 Resp: 46031
 Ion Ratio Lower Upper
 75 100
 77 1.1 21.8 65.3#





#81
trans-1,4-Dichloro-2-butene
Concen: 82.433 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX043993.D
Acq: 25 Nov 2024 17:44

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-28-20241114

Tgt Ion: 75 Resp: 46031
Ion Ratio Lower Upper
75 100
53 0.0 86.7 130.1#
89 0.0 38.2 57.2#

