

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052223\
 Data File : VX035788.D
 Acq On : 22 May 2023 16:35
 Operator : JC/MD
 Sample : 02860-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

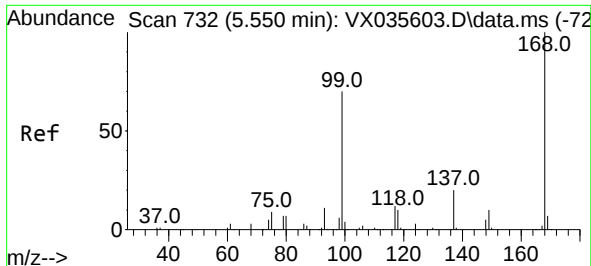
Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-EQB-13-05182023

Quant Time: May 23 06:13:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 11 13:57:54 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	169120	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	316804	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	282715	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	121390	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	164472	55.746	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 111.500%			
35) Dibromofluoromethane	5.385	113	107779	50.446	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.900%			
50) Toluene-d8	8.647	98	365760	46.341	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 92.680%			
62) 4-Bromofluorobenzene	11.079	95	145936	45.921	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.840%			
Target Compounds						
					Qvalue	
16) Acetone	2.404	43	2901	2.288	ug/l #	85
20) Methylene Chloride	2.794	84	835	0.363	ug/l #	69
28) Bromochloromethane	5.092	49	17102	8.999	ug/l #	15
29) Tetrahydrofuran	5.019	42	20589	18.661	ug/l	94
30) Chloroform	5.092	83	185674	42.886	ug/l	96
31) Cyclohexane	5.550	56	4876	1.308	ug/l #	7
36) 1,1-Dichloropropene	5.550	75	16269	4.824	ug/l #	50
38) Carbon Tetrachloride	5.550	117	19661	6.154	ug/l #	14
41) Methacrylonitrile	5.019	41	11949	5.721	ug/l #	49
47) Bromodichloromethane	7.818	83	5276	1.596	ug/l #	95
49) 1,4-Dioxane	7.714	88	45	2.671	ug/l #	1
51) 4-Methyl-2-Pentanone	8.647	43	1818	0.514	ug/l #	1
52) Toluene	8.714	92	1236	0.208	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	82639	27.832	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	82639	89.698	ug/l #	8

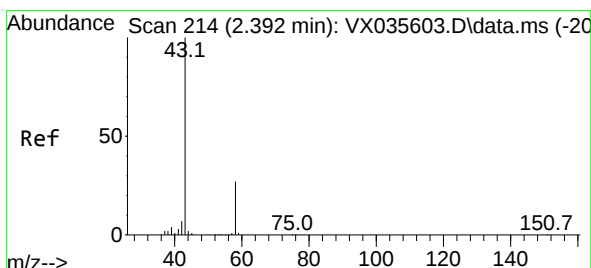
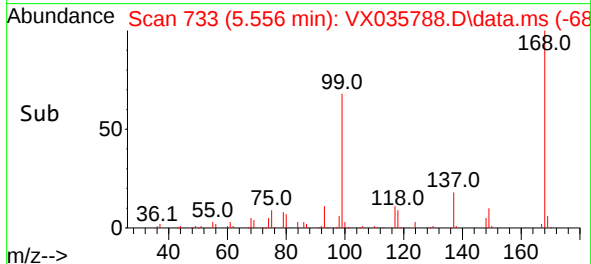
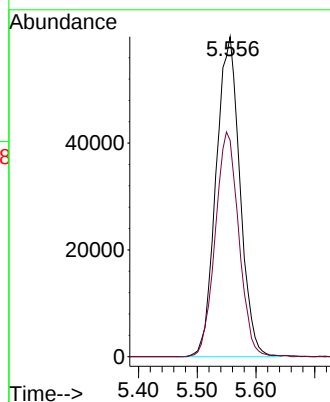
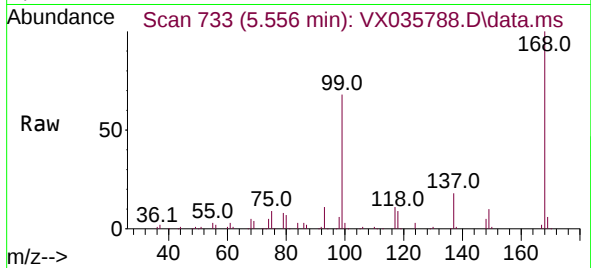
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX035788.D
Acq: 22 May 2023 16:35

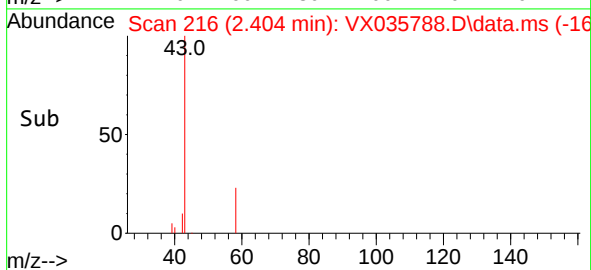
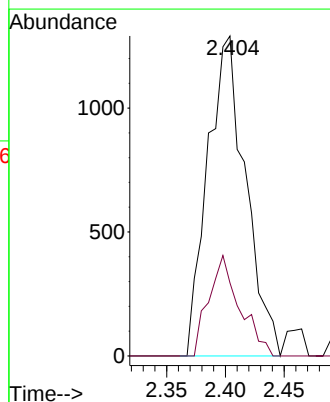
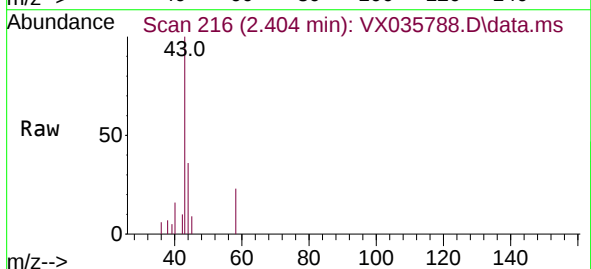
Instrument :
MSVOA_X
ClientSampleId :
FSND-EQB-13-05182023

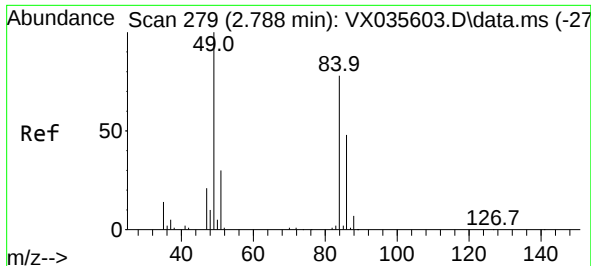
Tgt Ion:168 Resp: 169120
Ion Ratio Lower Upper
168 100
99 67.6 45.7 68.5



#16
Acetone
Concen: 2.288 ug/l
RT: 2.404 min Scan# 216
Delta R.T. 0.012 min
Lab File: VX035788.D
Acq: 22 May 2023 16:35

Tgt Ion: 43 Resp: 2901
Ion Ratio Lower Upper
43 100
58 22.9 24.7 37.1#

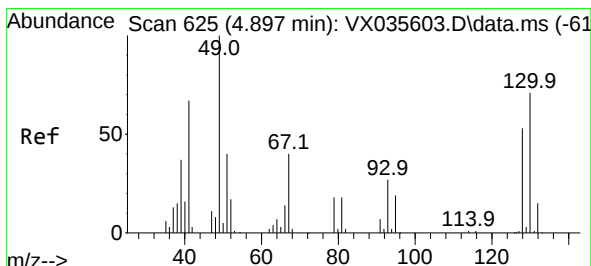
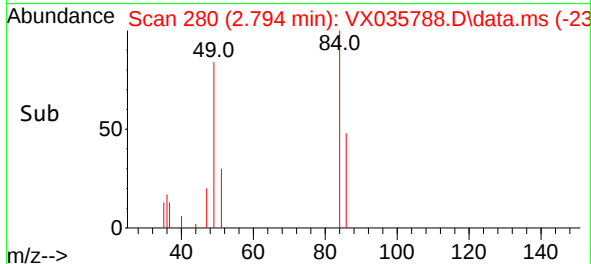
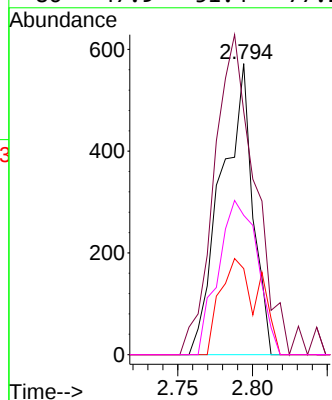
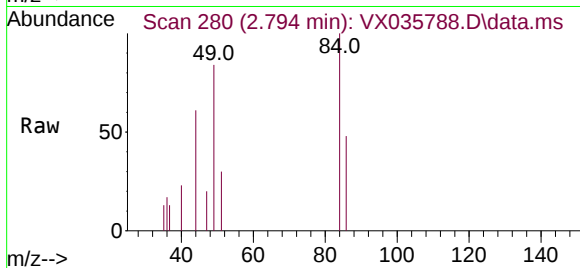




#20
Methylene Chloride
Concen: 0.363 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX035788.D
Acq: 22 May 2023 16:35

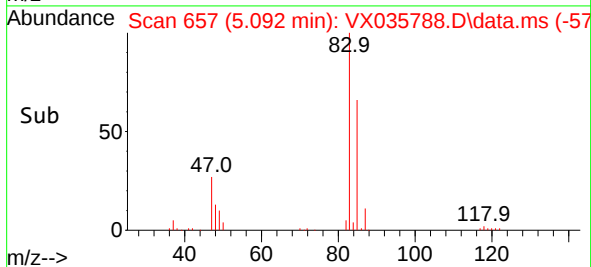
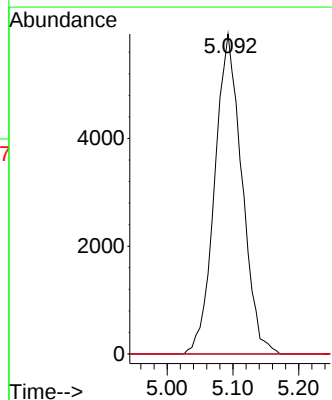
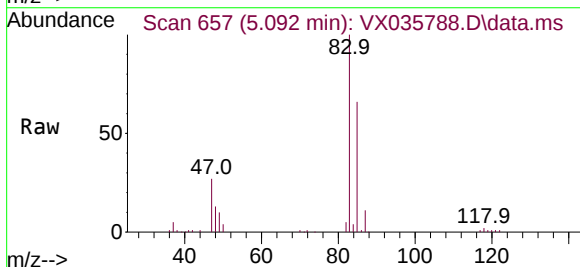
Instrument :
MSVOA_X
ClientSampleId :
FSND-EQB-13-05182023

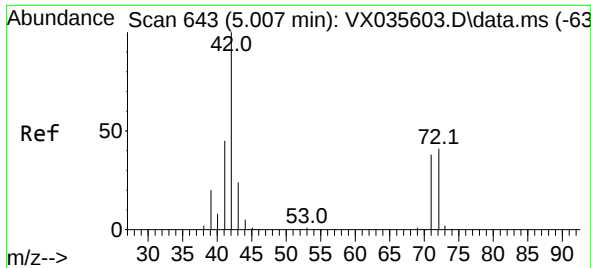
Tgt Ion:	84	Resp:	835
Ion	Ratio	Lower	Upper
84	100		
49	83.6	103.8	155.8#
51	29.5	31.8	47.8#
86	47.9	51.4	77.2#



#28
Bromochloromethane
Concen: 8.999 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.195 min
Lab File: VX035788.D
Acq: 22 May 2023 16:35

Tgt Ion:	49	Resp:	17102
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	0.0	58.2	87.2#





#29

Tetrahydrofuran

Concen: 18.661 ug/l

RT: 5.019 min Scan# 64

Delta R.T. 0.012 min

Lab File: VX035788.D

Acq: 22 May 2023 16:35

Instrument :

MSVOA_X

ClientSampleId :

FSND-EQB-13-05182023

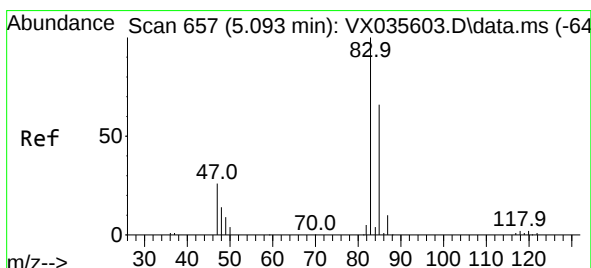
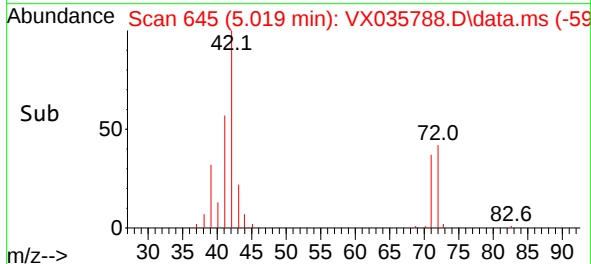
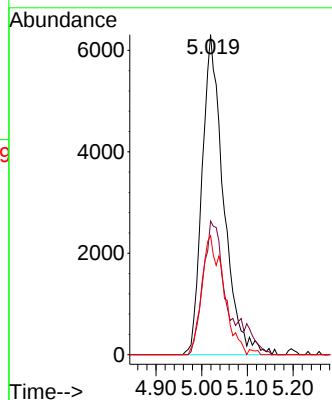
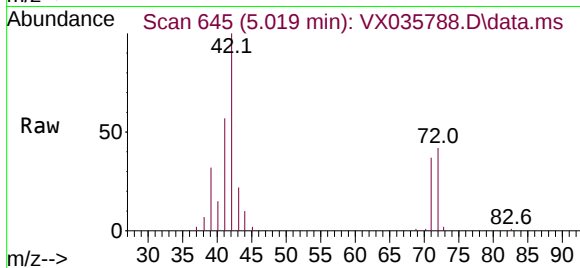
Tgt Ion: 42 Resp: 20589

Ion Ratio Lower Upper

42 100

72 47.8 34.5 51.7

71 37.8 32.1 48.1



#30

Chloroform

Concen: 42.886 ug/l

RT: 5.092 min Scan# 657

Delta R.T. -0.001 min

Lab File: VX035788.D

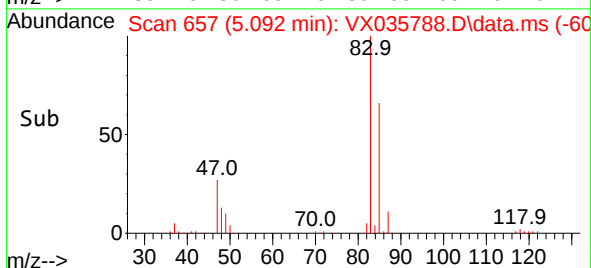
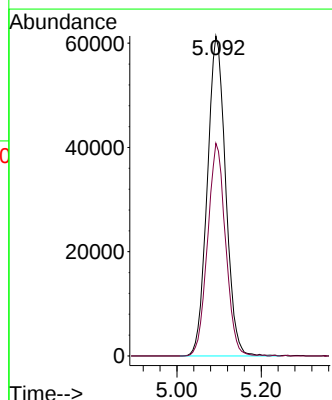
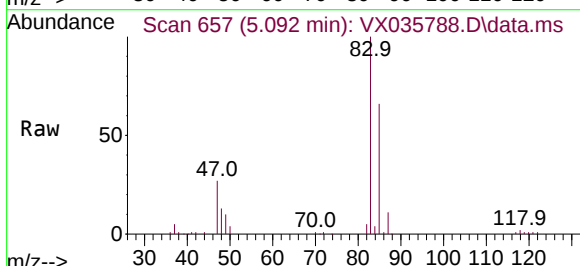
Acq: 22 May 2023 16:35

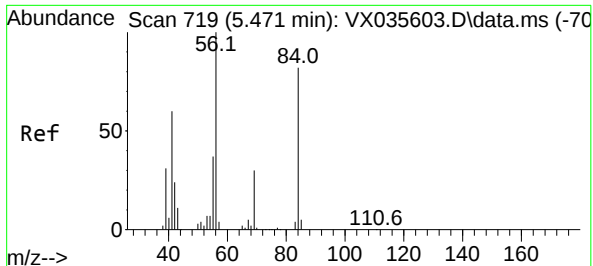
Tgt Ion: 83 Resp: 185674

Ion Ratio Lower Upper

83 100

85 66.5 50.6 76.0

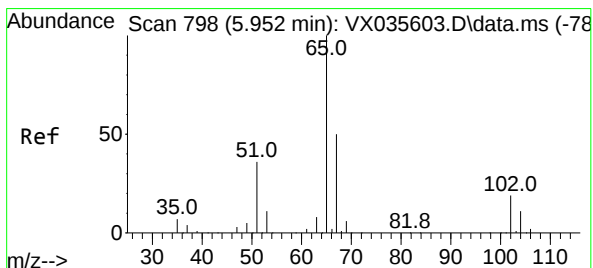
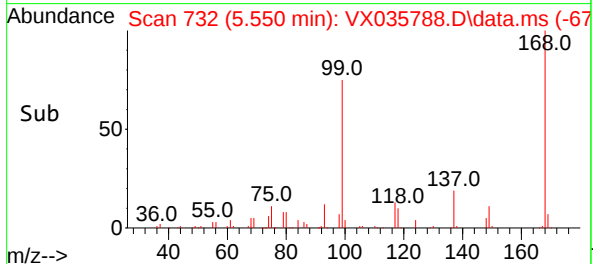
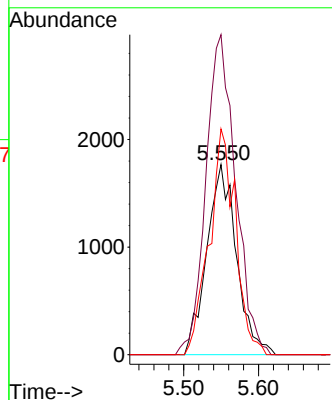
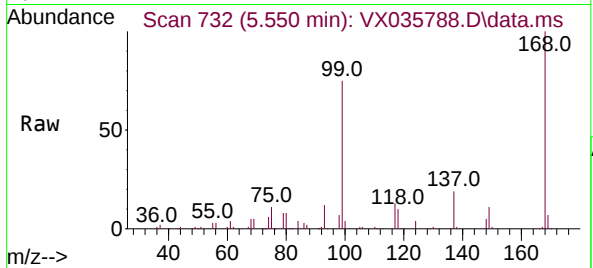




#31
Cyclohexane
Concen: 1.308 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX035788.D
Acq: 22 May 2023 16:35

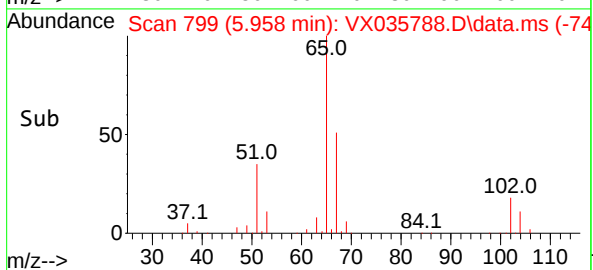
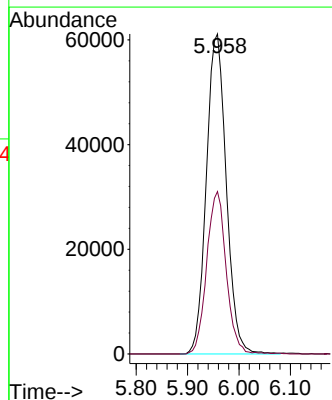
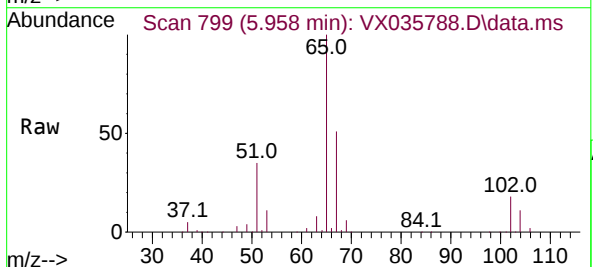
Instrument :
MSVOA_X
ClientSampleId :
FSND-EQB-13-05182023

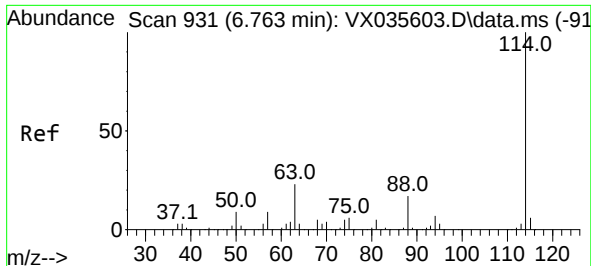
Tgt Ion: 56 Resp: 4876
Ion Ratio Lower Upper
56 100
69 168.3 23.7 35.5#
84 118.8 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 55.746 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX035788.D
Acq: 22 May 2023 16:35

Tgt Ion: 65 Resp: 164472
Ion Ratio Lower Upper
65 100
67 49.6 0.0 104.0

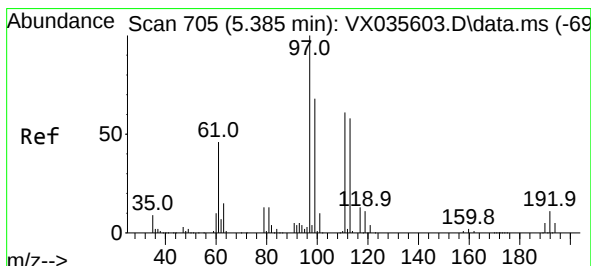
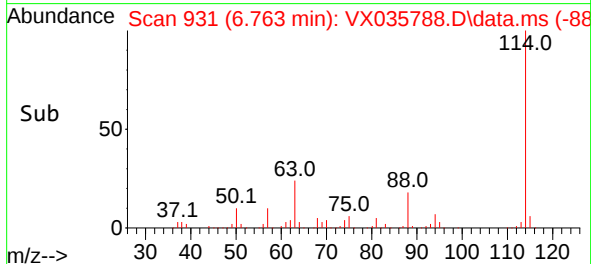
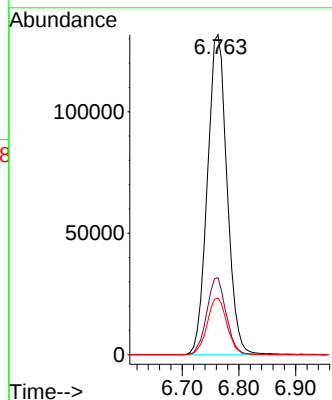
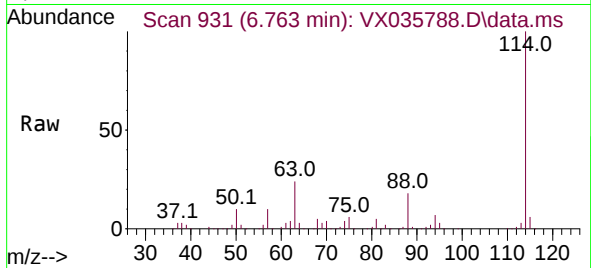




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX035788.D
Acq: 22 May 2023 16:35

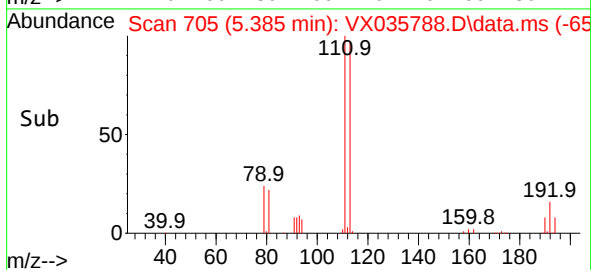
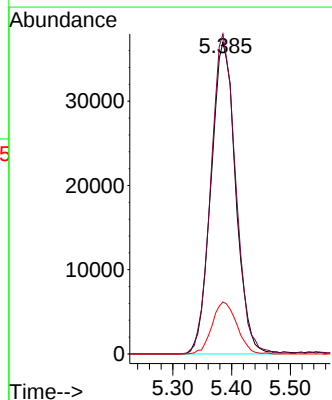
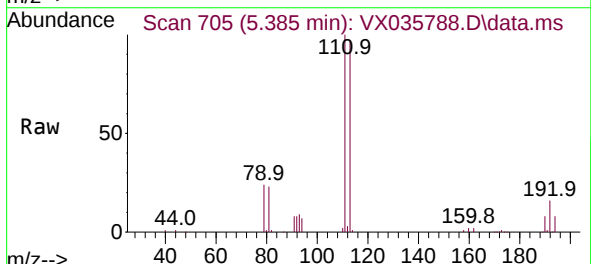
Instrument :
MSVOA_X
ClientSampleId :
FSND-EQB-13-05182023

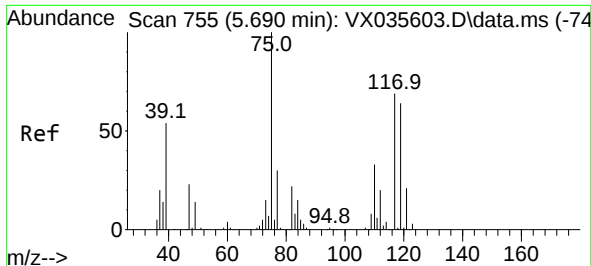
Tgt Ion:114 Resp: 316804
Ion Ratio Lower Upper
114 100
63 24.0 0.0 42.2
88 17.7 0.0 33.2



#35
Dibromofluoromethane
Concen: 50.446 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035788.D
Acq: 22 May 2023 16:35

Tgt Ion:113 Resp: 107779
Ion Ratio Lower Upper
113 100
111 103.0 83.7 125.5
192 16.8 15.4 23.2

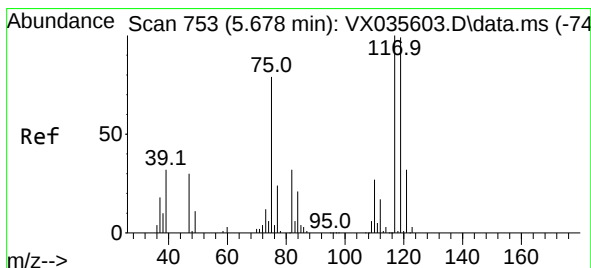
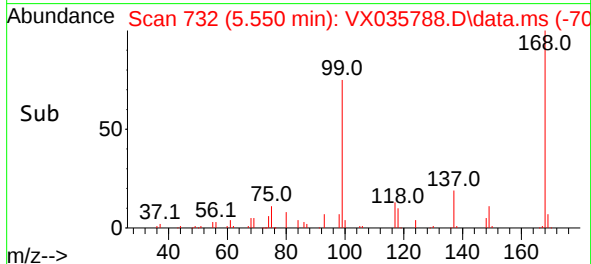
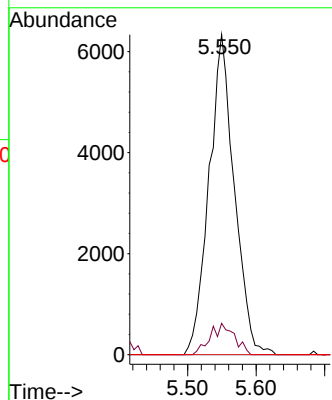
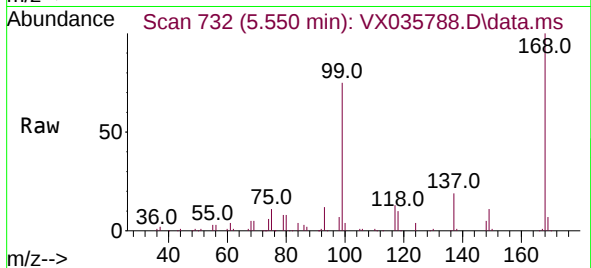




#36
1,1-Dichloropropene
Concen: 4.824 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.140 min
Lab File: VX035788.D
Acq: 22 May 2023 16:35

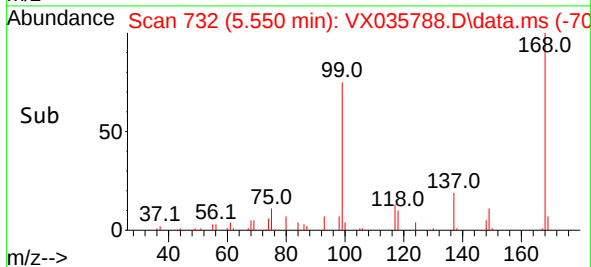
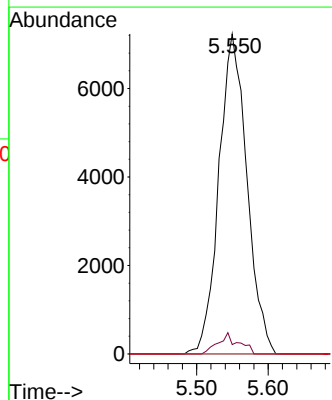
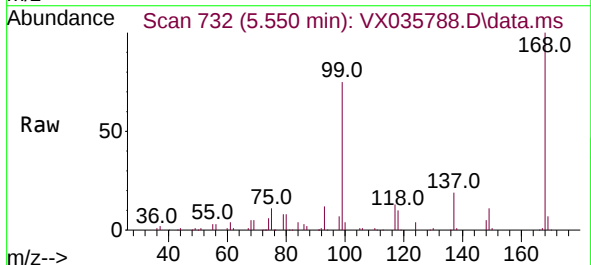
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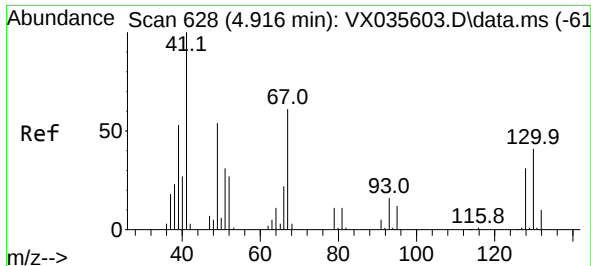
Tgt Ion: 75 Resp: 16269
Ion Ratio Lower Upper
75 100
110 9.3 17.5 52.5#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 6.154 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX035788.D
Acq: 22 May 2023 16:35

Tgt Ion: 117 Resp: 19661
Ion Ratio Lower Upper
117 100
119 2.9 76.6 114.8#
121 0.0 23.8 35.6#

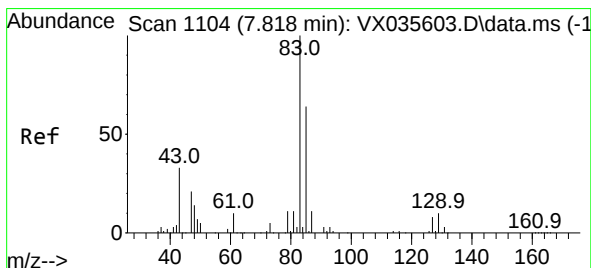
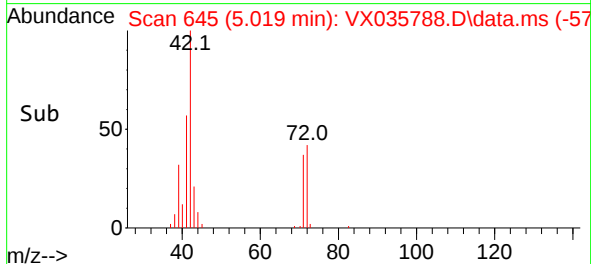
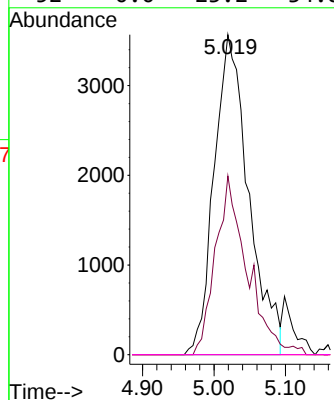
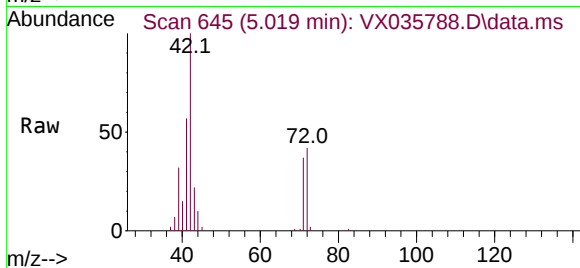




#41
Methacrylonitrile
Concen: 5.721 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.103 min
Lab File: VX035788.D
Acq: 22 May 2023 16:35

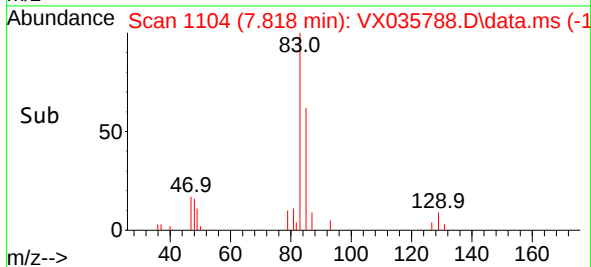
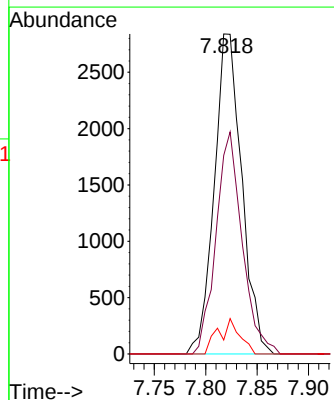
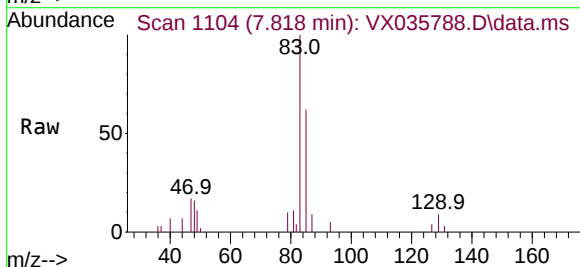
Instrument :
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ClientSampleId :
FSND-EQB-13-05182023

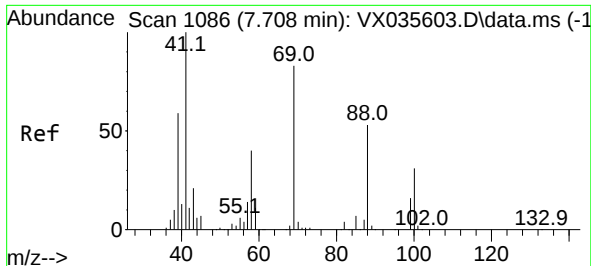
Tgt Ion:	41	Resp:	11949
Ion	Ratio	Lower	Upper
41	100		
39	51.5	45.0	67.6
67	0.0	55.6	83.4#
52	0.0	23.2	34.8#



#47
Bromodichloromethane
Concen: 1.596 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VX035788.D
Acq: 22 May 2023 16:35

Tgt Ion:	83	Resp:	5276
Ion	Ratio	Lower	Upper
83	100		
85	62.0	52.2	78.4
127	4.4	6.6	9.8#





#49

1,4-Dioxane

Concen: 2.671 ug/l

RT: 7.714 min Scan# 1086

Delta R.T. 0.006 min

Lab File: VX035788.D

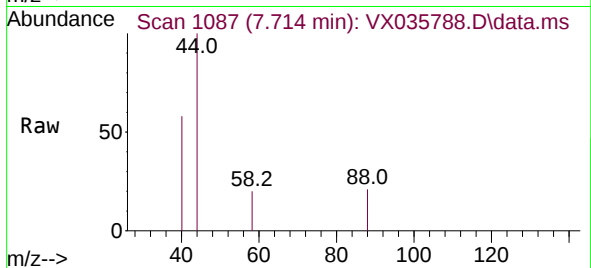
Acq: 22 May 2023 16:35

Instrument :

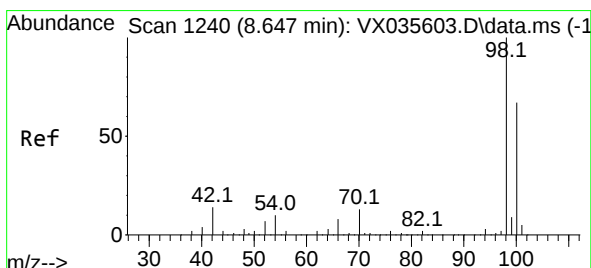
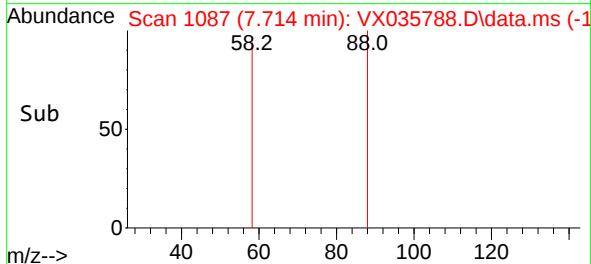
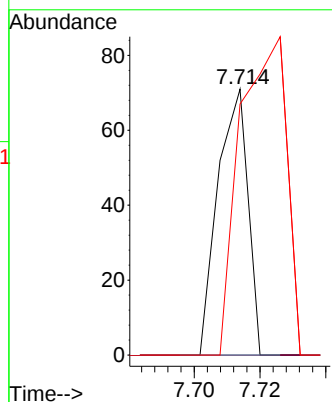
MSVOA_X

ClientSampleId :

FSND-EQB-13-05182023



Tgt Ion:	88	Resp:	45
Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.7	41.5#
58	184.4	56.8	85.2#



#50

Toluene-d8

Concen: 46.341 ug/l

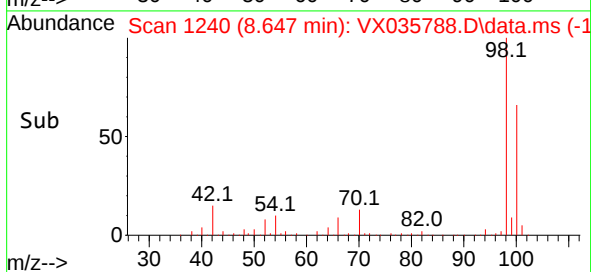
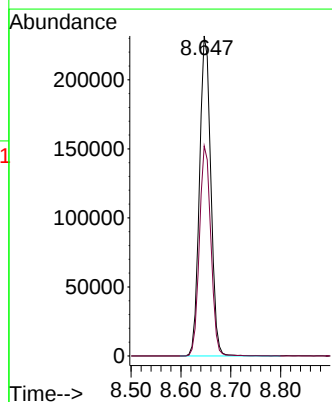
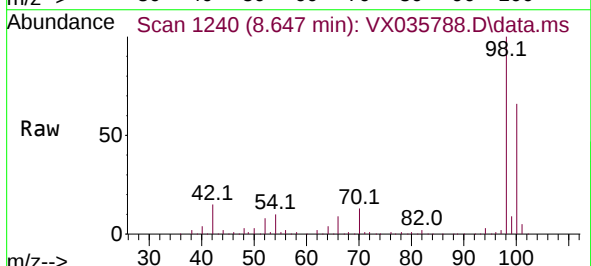
RT: 8.647 min Scan# 1240

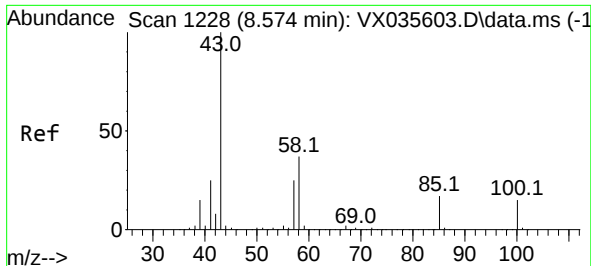
Delta R.T. -0.000 min

Lab File: VX035788.D

Acq: 22 May 2023 16:35

Tgt Ion:	98	Resp:	365760
Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.5	78.7





#51

4-Methyl-2-Pentanone

Concen: 0.514 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX035788.D

Acq: 22 May 2023 16:35

Instrument :

MSVOA_X

ClientSampleId :

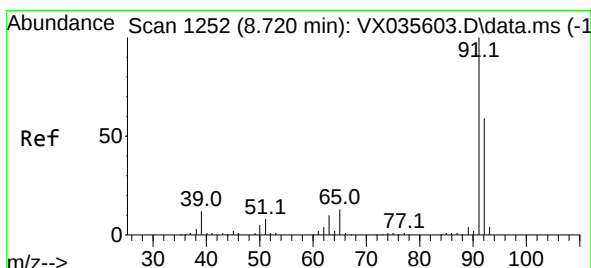
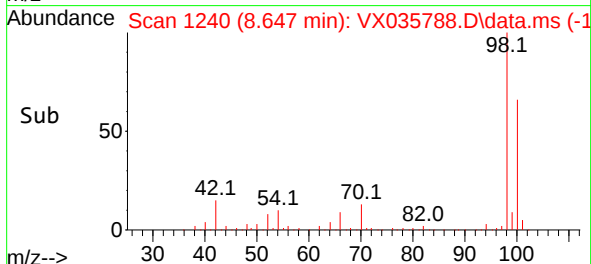
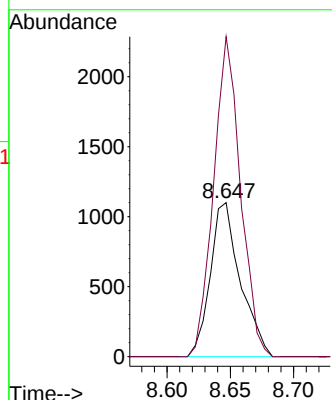
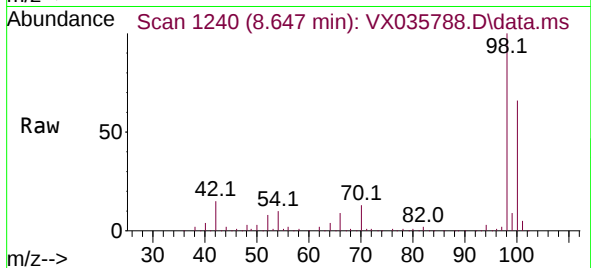
FSND-EQB-13-05182023

Tgt Ion: 43 Resp: 1818

Ion Ratio Lower Upper

43 100

58 186.1 30.6 46.0#



#52

Toluene

Concen: 0.208 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.006 min

Lab File: VX035788.D

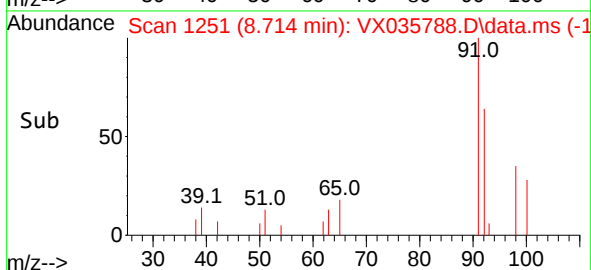
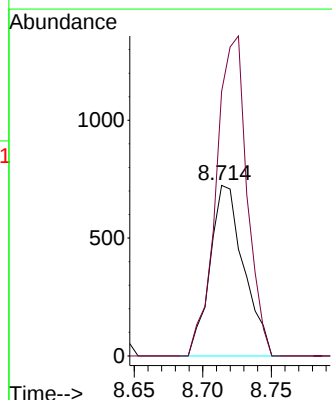
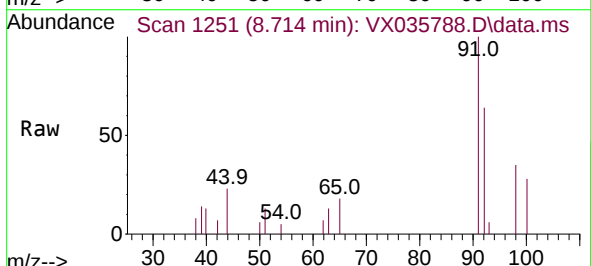
Acq: 22 May 2023 16:35

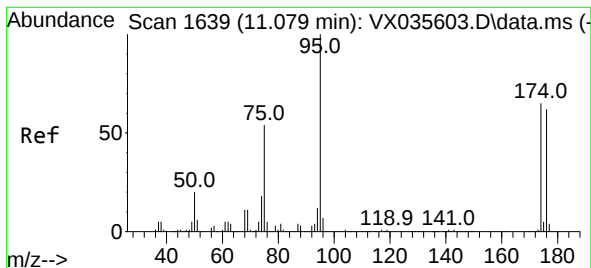
Tgt Ion: 92 Resp: 1236

Ion Ratio Lower Upper

92 100

91 172.2 136.8 205.2

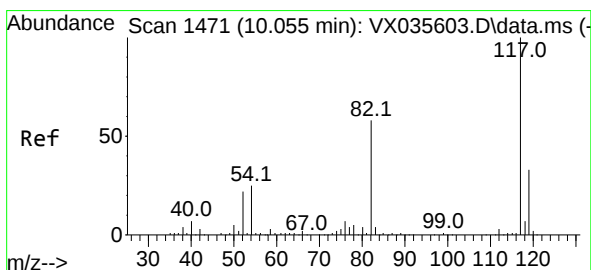
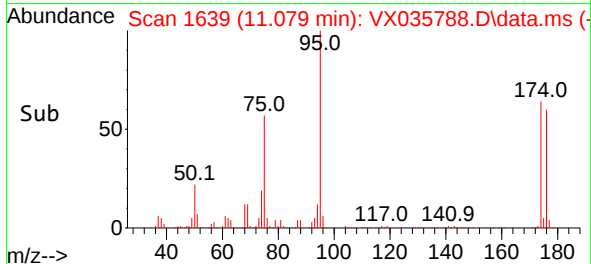
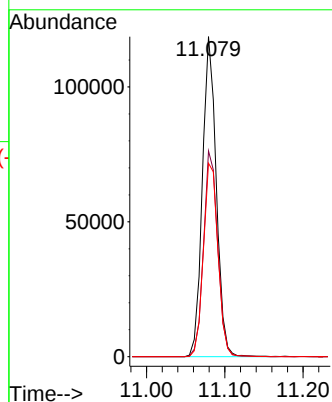
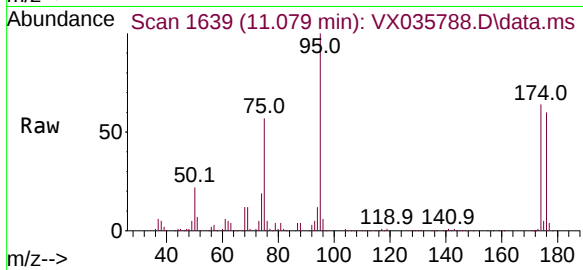




#62
4-Bromofluorobenzene
Concen: 45.921 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035788.D
Acq: 22 May 2023 16:35

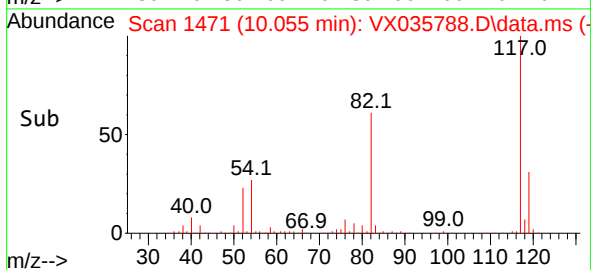
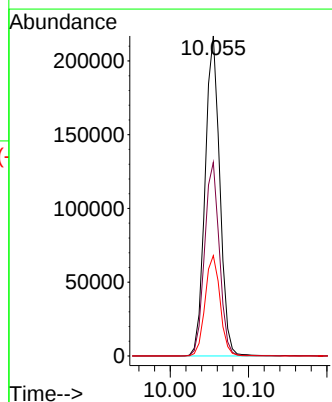
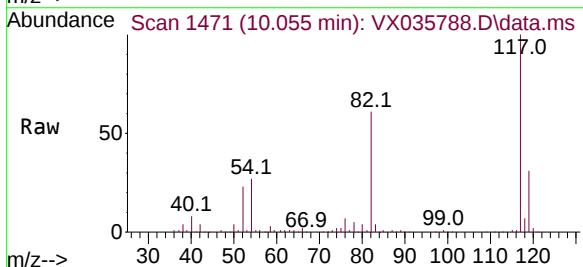
Instrument :
MSVOA_X
ClientSampleId :
FSND-EQB-13-05182023

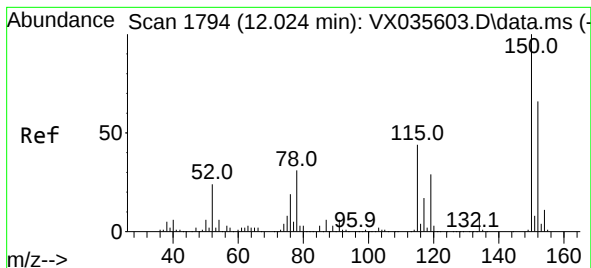
Tgt Ion: 95 Resp: 145936
Ion Ratio Lower Upper
95 100
174 65.2 0.0 147.4
176 63.5 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX035788.D
Acq: 22 May 2023 16:35

Tgt Ion: 117 Resp: 282715
Ion Ratio Lower Upper
117 100
82 60.5 45.0 67.4
119 31.3 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX035788.D

Acq: 22 May 2023 16:35

Instrument :

MSVOA_X

ClientSampleId :

FSND-EQB-13-05182023

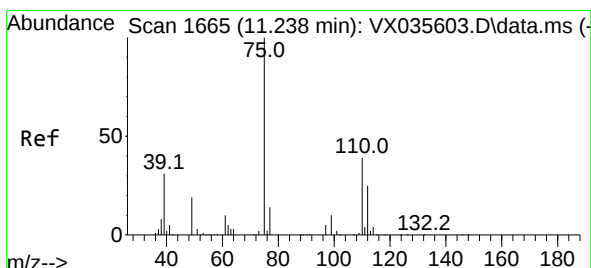
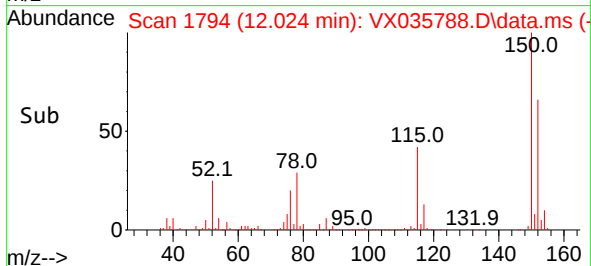
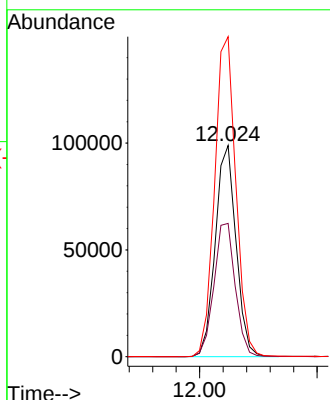
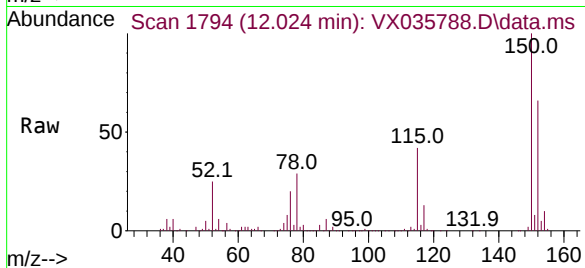
Tgt Ion:152 Resp: 121390

Ion Ratio Lower Upper

152 100

115 65.1 45.0 135.0

150 155.3 0.0 352.4



#76

1,2,3-Trichloropropane

Concen: 27.832 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX035788.D

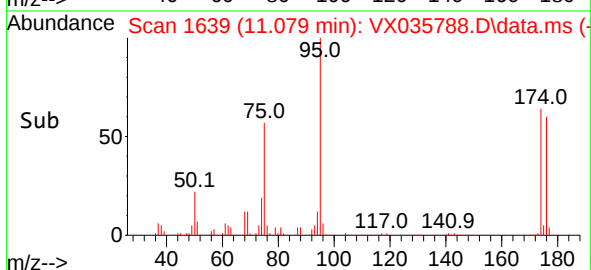
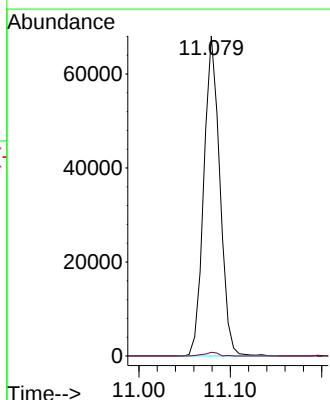
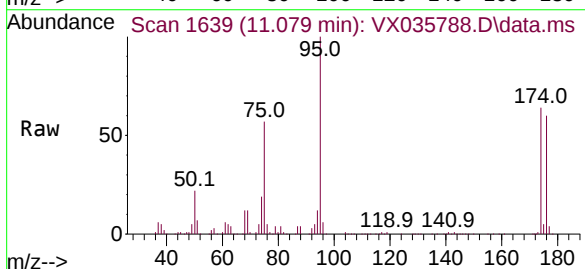
Acq: 22 May 2023 16:35

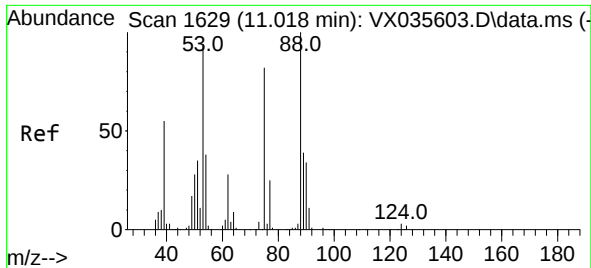
Tgt Ion: 75 Resp: 82639

Ion Ratio Lower Upper

75 100

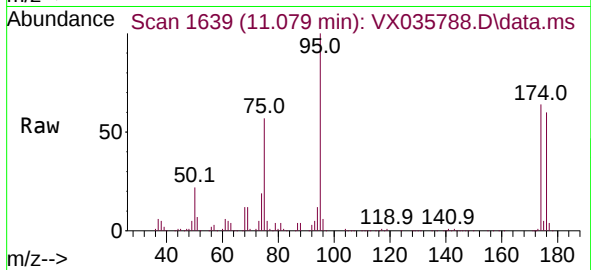
77 1.0 21.6 64.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.698 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX035788.D
 Acq: 22 May 2023 16:35

Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-EQB-13-05182023



Tgt Ion: 75 Resp: 82639
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 36.9 55.3#

