

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051923\
 Data File : VX035767.D
 Acq On : 19 May 2023 17:50
 Operator : JC/MD
 Sample : 02860-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-TB-03-05182023

Quant Time: May 22 05:19:20 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)

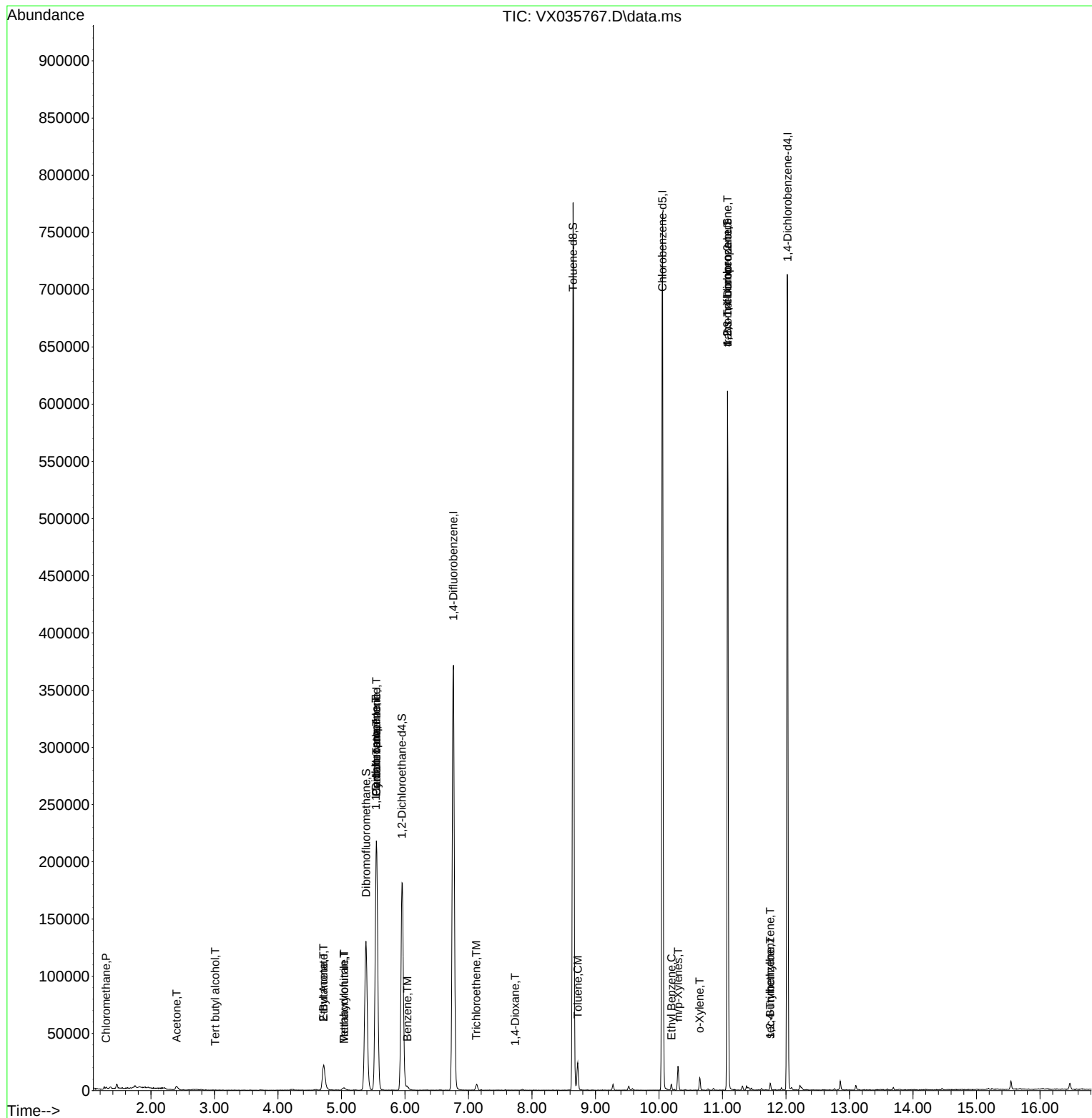
Internal Standards						
1) Pentafluorobenzene	5.550	168	183687	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	356947	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	313740	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	135152	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	183798	57.356	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.720%			
35) Dibromofluoromethane	5.385	113	112569	46.763	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.520%			
50) Toluene-d8	8.647	98	424875	47.777	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.560%			
62) 4-Bromofluorobenzene	11.079	95	162218	45.304	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.600%			
Target Compounds						
						Qvalue
3) Chloromethane	1.295	50	1092	0.376	ug/l	89
11) Tert butyl alcohol	3.014	59	203	0.359	ug/l #	73
16) Acetone	2.404	43	5291	3.842	ug/l	90
25) 2-Butanone	4.715	43	43138	22.626	ug/l #	51
29) Tetrahydrofuran	5.038	42	1950	1.627	ug/l #	88
31) Cyclohexane	5.550	56	5355	1.323	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	18160	4.779	ug/l #	51
37) Ethyl Acetate	4.715	43	43944	11.088	ug/l	99
38) Carbon Tetrachloride	5.550	117	21604	6.002	ug/l #	15
40) Benzene	6.038	78	2947	0.277	ug/l	98
41) Methacrylonitrile	5.044	41	1342	0.570	ug/l #	24
44) Trichloroethene	7.123	130	2054	0.762	ug/l	84
49) 1,4-Dioxane	7.732	88	148	3.956	ug/l #	23
52) Toluene	8.720	92	8573	1.278	ug/l	95
67) Ethyl Benzene	10.195	91	2863	0.222	ug/l	89
68) m/p-Xylenes	10.299	106	4419	0.928	ug/l	94
69) o-Xylene	10.640	106	2321	0.491	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	90887	27.493	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	90887	88.605	ug/l #	8
84) 1,2,4-Trimethylbenzene	11.750	105	2527	0.260	ug/l	96
85) sec-Butylbenzene	11.750	105	2527	0.214	ug/l #	56

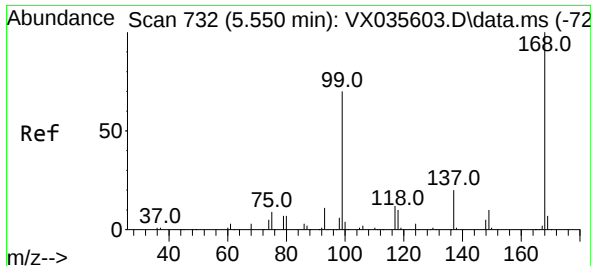
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :
FSND-TB-03-05182023

Quant Time: May 22 05:19:20 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

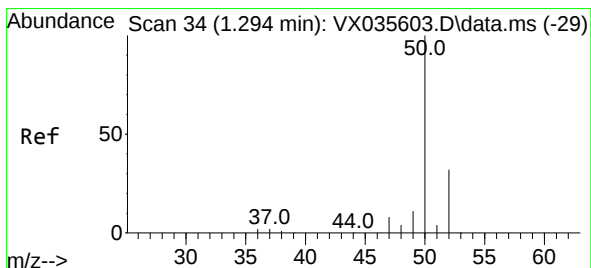
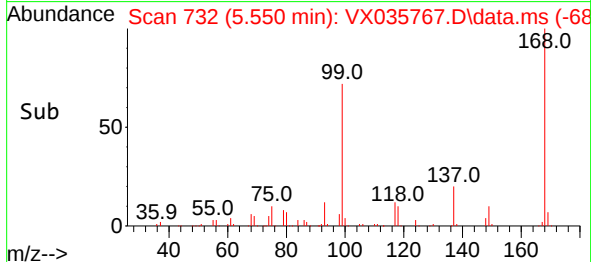
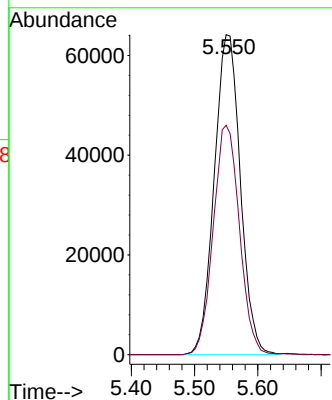
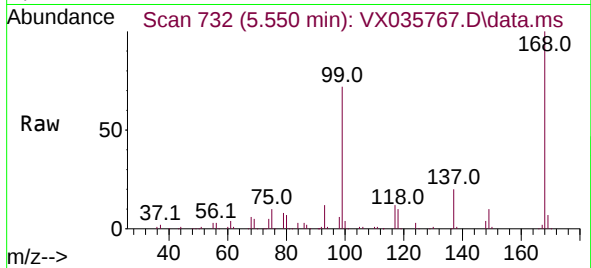




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX035767.D
Acq: 19 May 2023 17:50

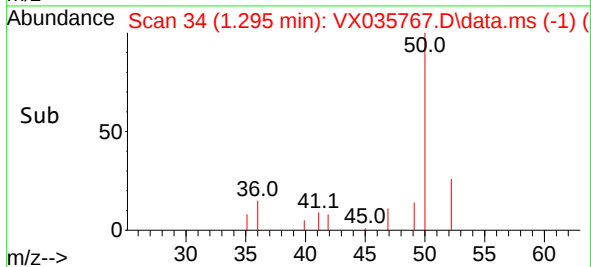
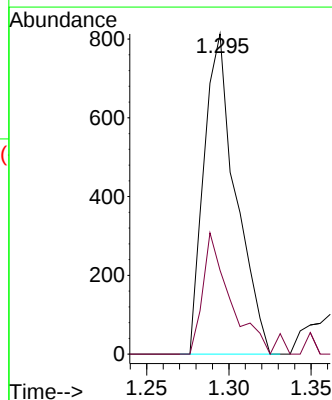
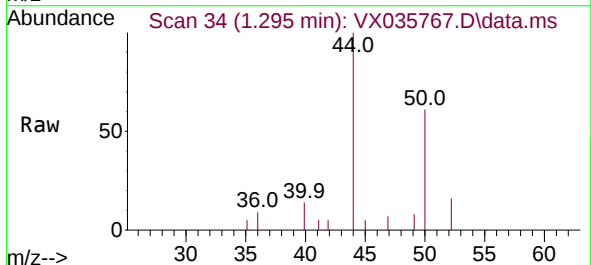
Instrument :
MSVOA_X
ClientSampleId :
FSND-TB-03-05182023

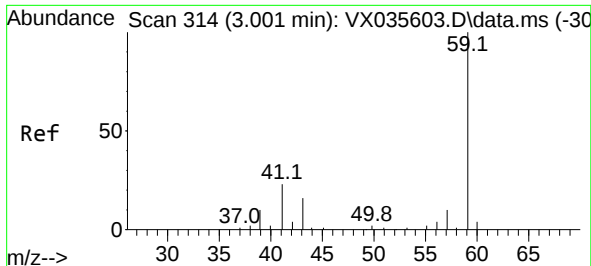
Tgt Ion:168 Resp: 183687
Ion Ratio Lower Upper
168 100
99 71.7 45.7 68.5#



#3
Chloromethane
Concen: 0.376 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.001 min
Lab File: VX035767.D
Acq: 19 May 2023 17:50

Tgt Ion: 50 Resp: 1092
Ion Ratio Lower Upper
50 100
52 26.2 25.9 38.9





#11

Tert butyl alcohol

Concen: 0.359 ug/l

RT: 3.014 min Scan# 314

Delta R.T. 0.013 min

Lab File: VX035767.D

Acq: 19 May 2023 17:50

Instrument :

MSVOA_X

ClientSampleId :

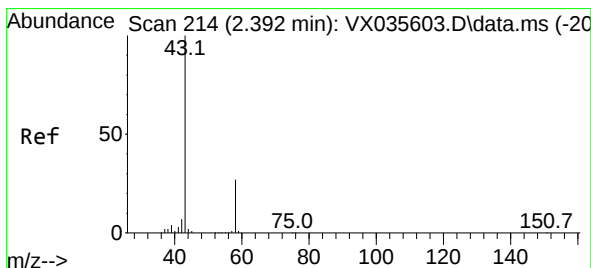
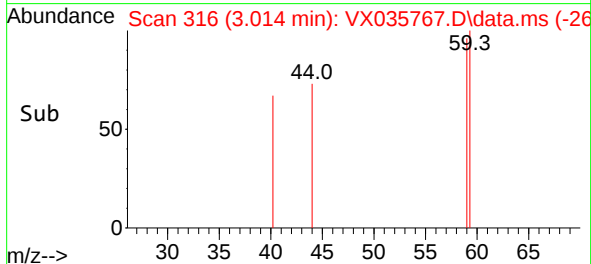
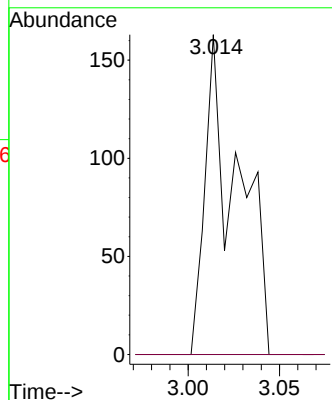
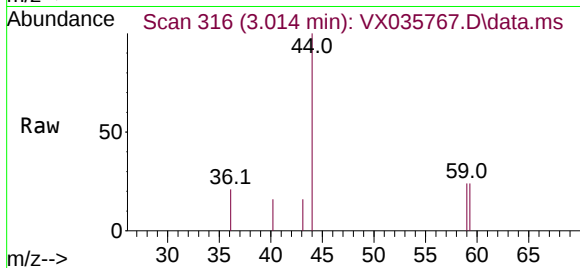
FSND-TB-03-05182023

Tgt Ion: 59 Resp: 203

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#16

Acetone

Concen: 3.842 ug/l

RT: 2.404 min Scan# 216

Delta R.T. 0.012 min

Lab File: VX035767.D

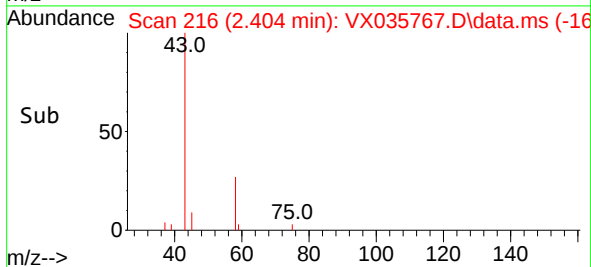
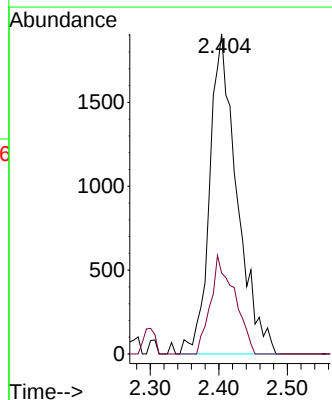
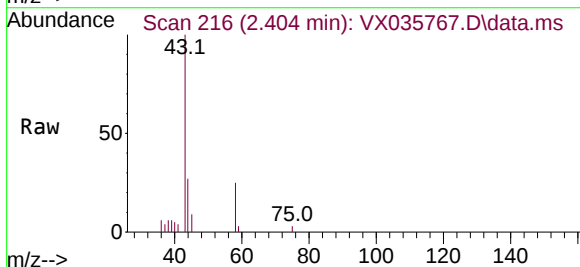
Acq: 19 May 2023 17:50

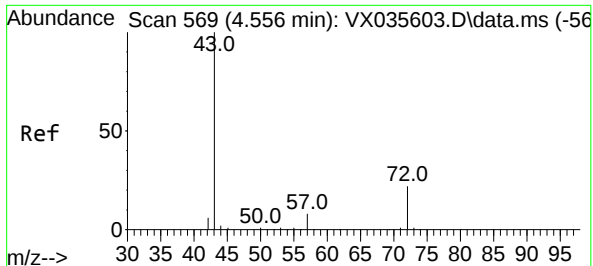
Tgt Ion: 43 Resp: 5291

Ion Ratio Lower Upper

43 100

58 25.3 24.7 37.1





#25

2-Butanone

Concen: 22.626 ug/l

RT: 4.715 min Scan# 595

Delta R.T. 0.159 min

Lab File: VX035767.D

Acq: 19 May 2023 17:50

Instrument :

MSVOA_X

ClientSampleId :

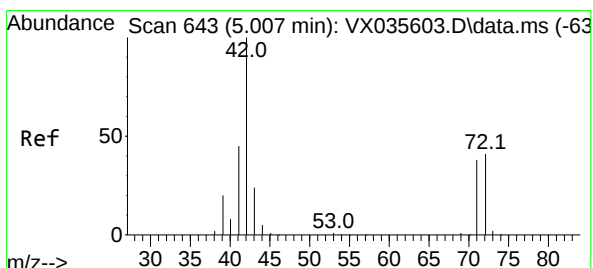
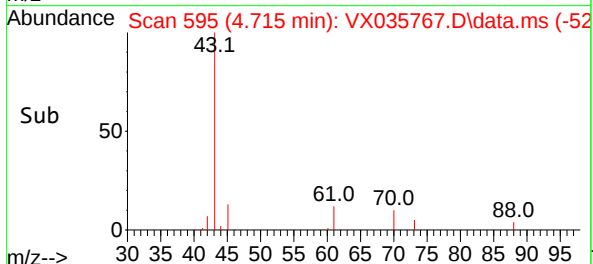
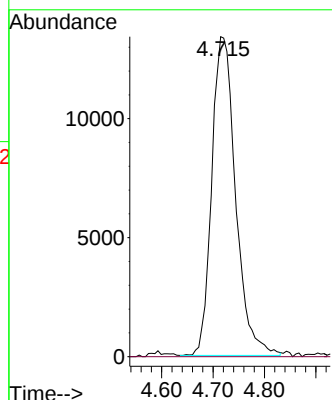
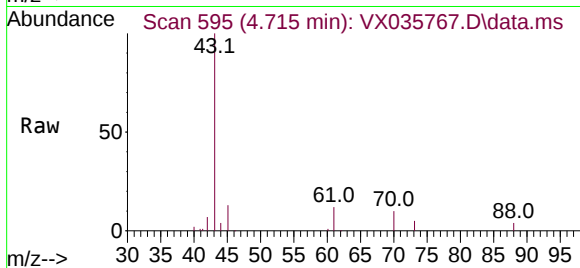
FSND-TB-03-05182023

Tgt Ion: 43 Resp: 43138

Ion Ratio Lower Upper

43 100

72 0.0 19.3 28.9#



#29

Tetrahydrofuran

Concen: 1.627 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.031 min

Lab File: VX035767.D

Acq: 19 May 2023 17:50

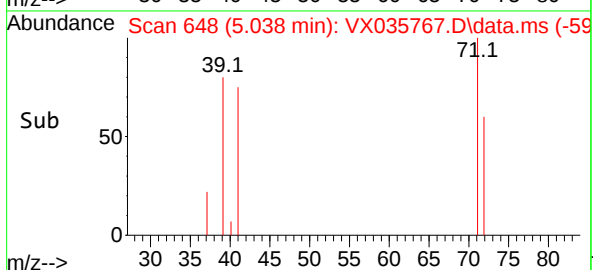
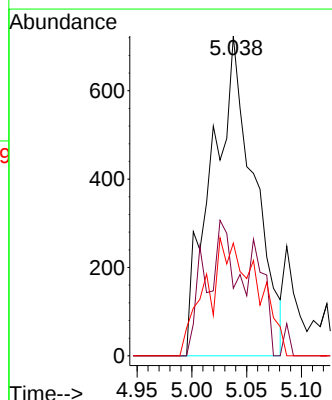
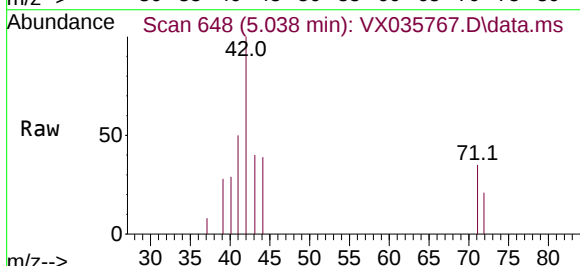
Tgt Ion: 42 Resp: 1950

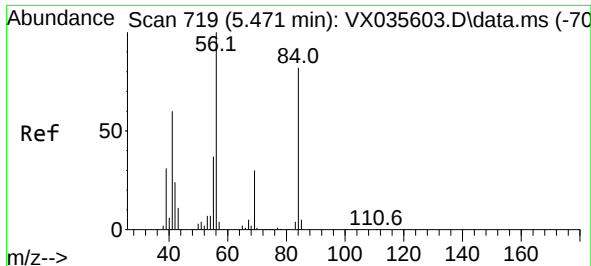
Ion Ratio Lower Upper

42 100

72 31.2 34.5 51.7#

71 43.5 32.1 48.1

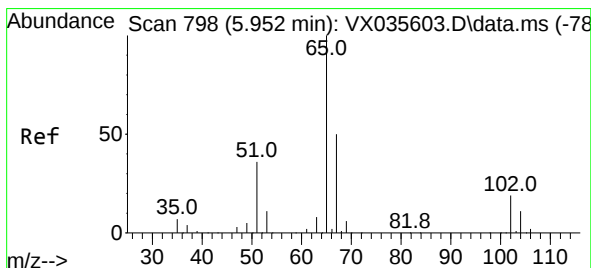
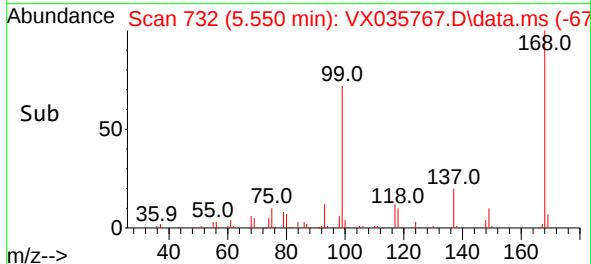
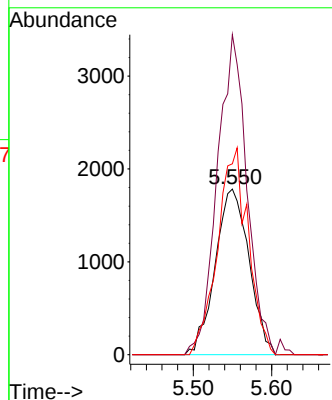
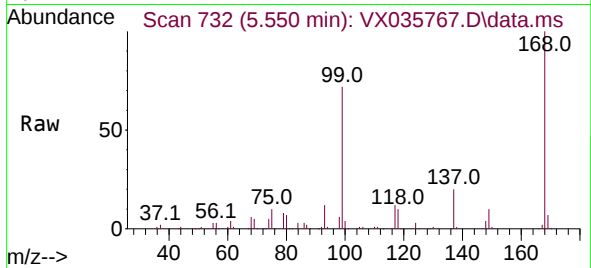




#31
Cyclohexane
Concen: 1.323 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX035767.D
Acq: 19 May 2023 17:50

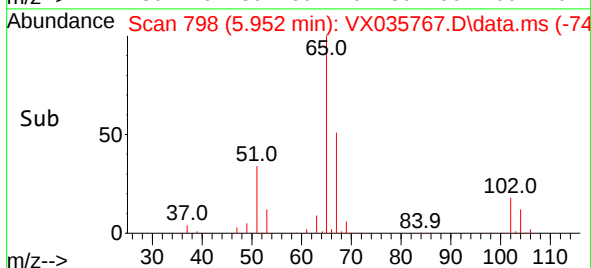
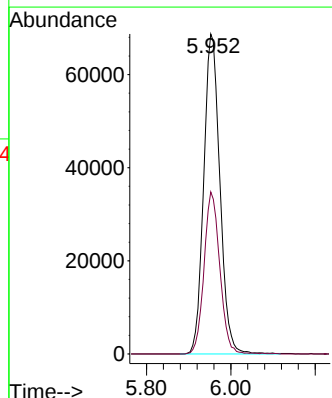
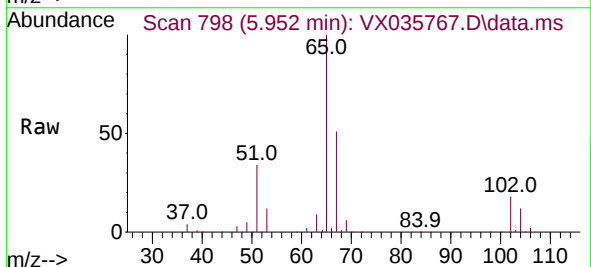
Instrument :
MSVOA_X
ClientSampleId :
FSND-TB-03-05182023

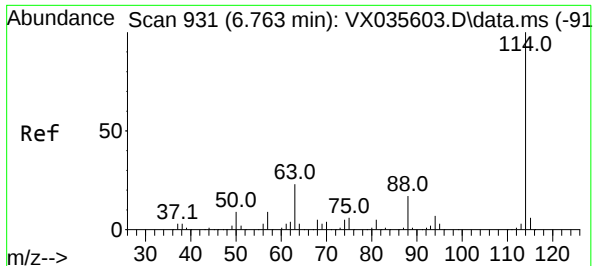
Tgt Ion: 56 Resp: 5355
Ion Ratio Lower Upper
56 100
69 193.2 23.7 35.5#
84 115.2 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 57.356 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX035767.D
Acq: 19 May 2023 17:50

Tgt Ion: 65 Resp: 183798
Ion Ratio Lower Upper
65 100
67 49.2 0.0 104.0

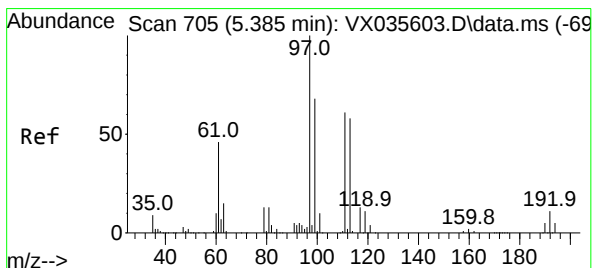
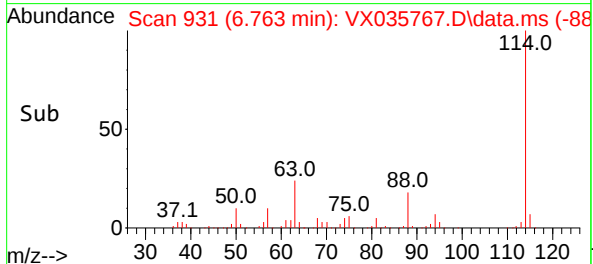
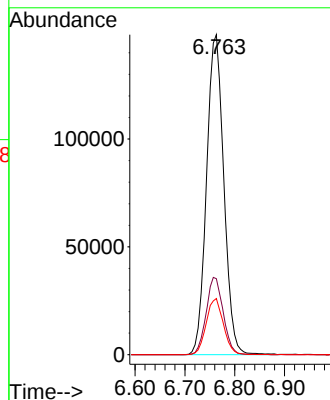
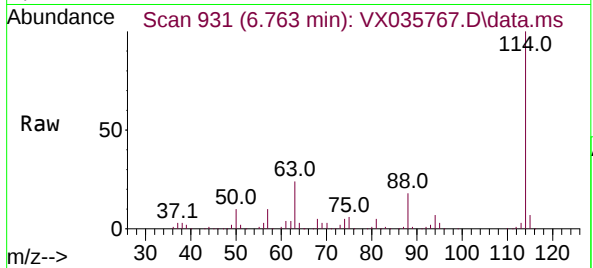




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX035767.D
Acq: 19 May 2023 17:50

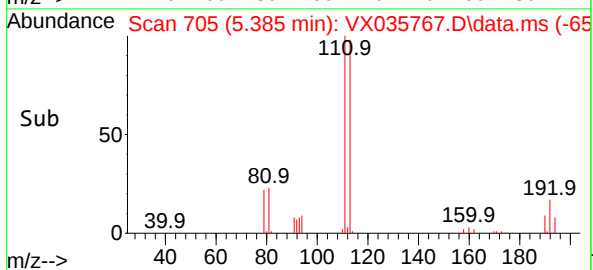
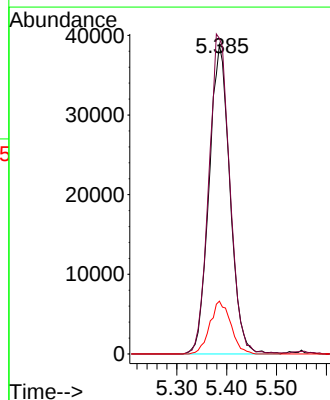
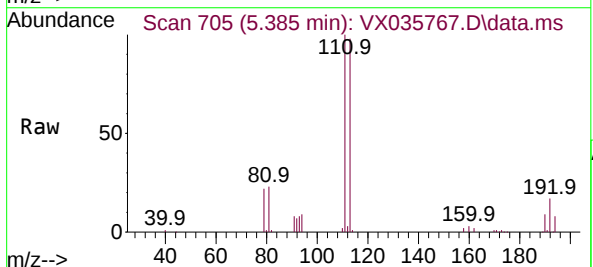
Instrument :
MSVOA_X
ClientSampleId :
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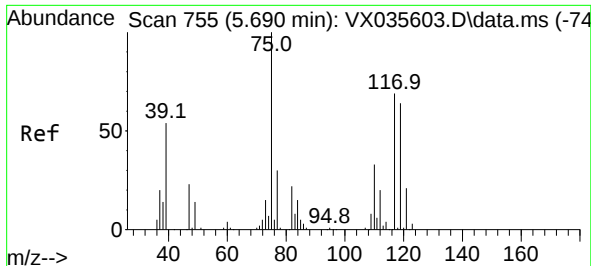
Tgt Ion:114 Resp: 356947
Ion Ratio Lower Upper
114 100
63 23.8 0.0 42.2
88 17.5 0.0 33.2



#35
Dibromofluoromethane
Concen: 46.763 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035767.D
Acq: 19 May 2023 17:50

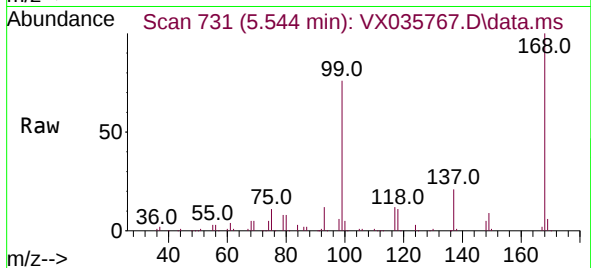
Tgt Ion:113 Resp: 112569
Ion Ratio Lower Upper
113 100
111 104.3 83.7 125.5
192 17.2 15.4 23.2



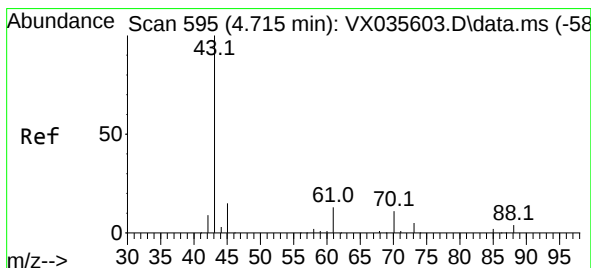
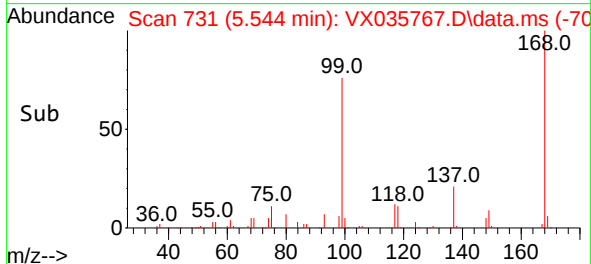
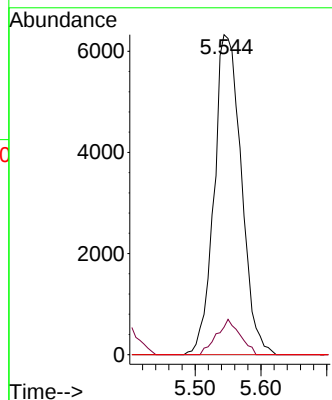


#36
1,1-Dichloropropene
Concen: 4.779 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX035767.D
Acq: 19 May 2023 17:50

Instrument :
MSVOA_X
ClientSampleId :
FSND-TB-03-05182023

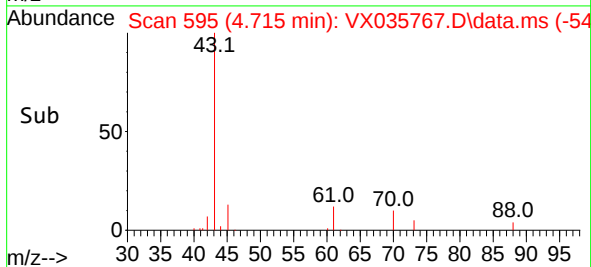
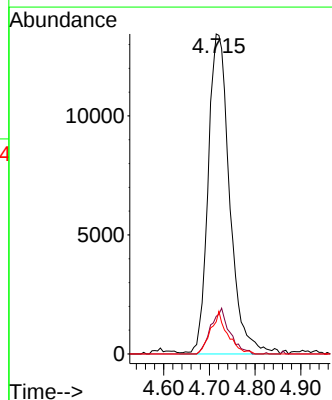
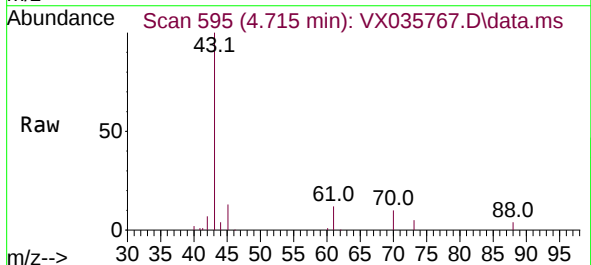


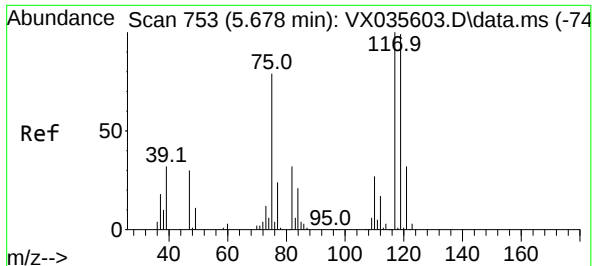
Tgt Ion: 75 Resp: 18160
Ion Ratio Lower Upper
75 100
110 9.5 17.5 52.5#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 11.088 ug/l
RT: 4.715 min Scan# 595
Delta R.T. -0.000 min
Lab File: VX035767.D
Acq: 19 May 2023 17:50

Tgt Ion: 43 Resp: 43944
Ion Ratio Lower Upper
43 100
61 12.4 10.2 15.4
70 10.4 8.2 12.4

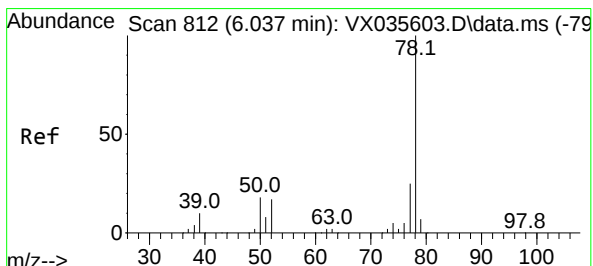
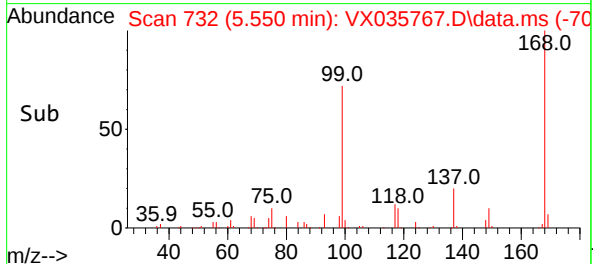
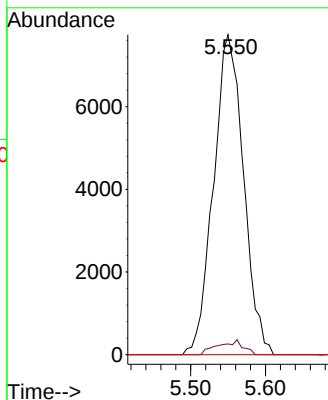
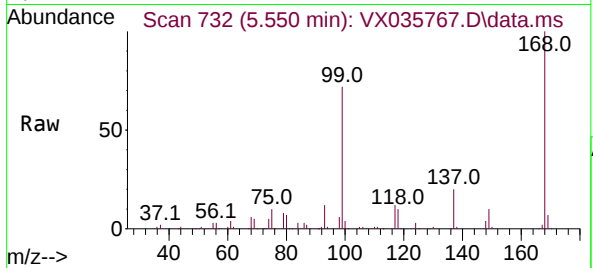




#38
Carbon Tetrachloride
Concen: 6.002 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX035767.D
Acq: 19 May 2023 17:50

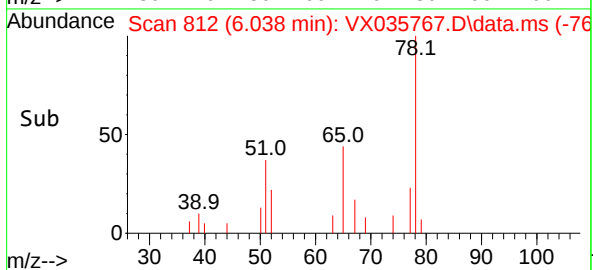
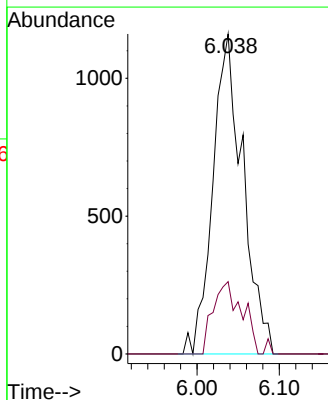
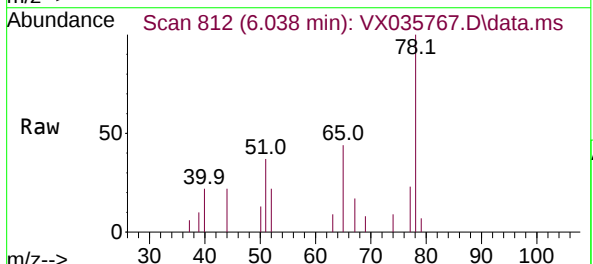
Instrument :
MSVOA_X
ClientSampleId :
FSND-TB-03-05182023

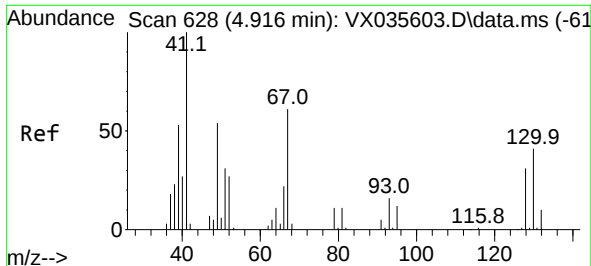
Tgt Ion:117 Resp: 21604
Ion Ratio Lower Upper
117 100
119 3.4 76.6 114.8#
121 0.0 23.8 35.6#



#40
Benzene
Concen: 0.277 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.001 min
Lab File: VX035767.D
Acq: 19 May 2023 17:50

Tgt Ion: 78 Resp: 2947
Ion Ratio Lower Upper
78 100
77 22.6 19.0 28.4

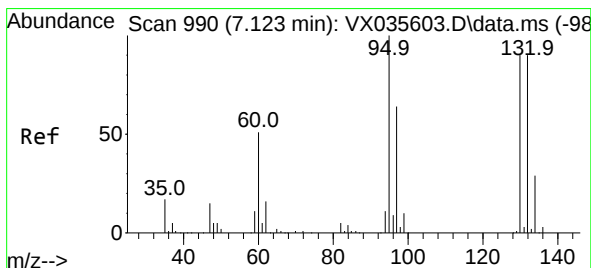
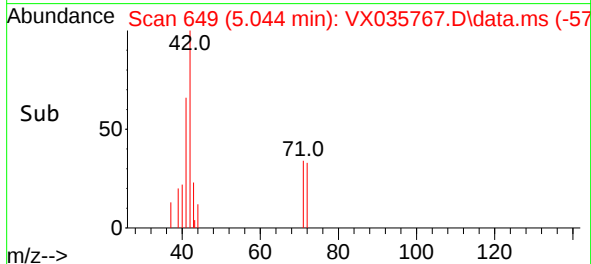
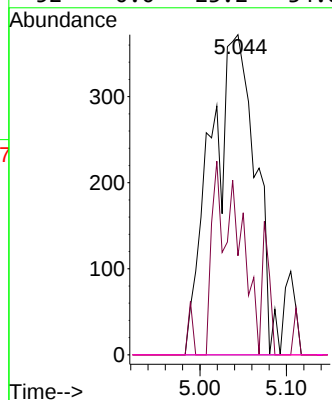
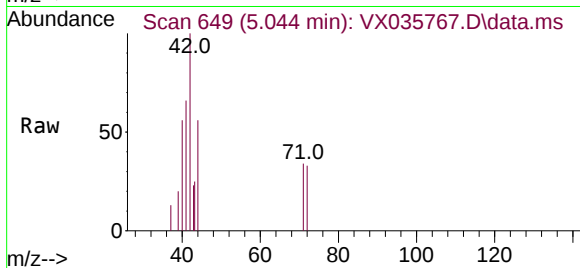




#41
Methacrylonitrile
Concen: 0.570 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.128 min
Lab File: VX035767.D
Acq: 19 May 2023 17:50

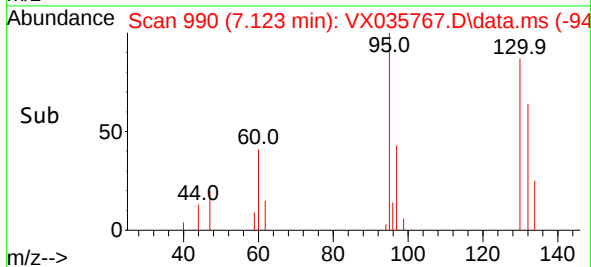
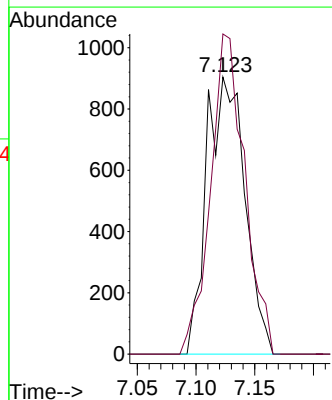
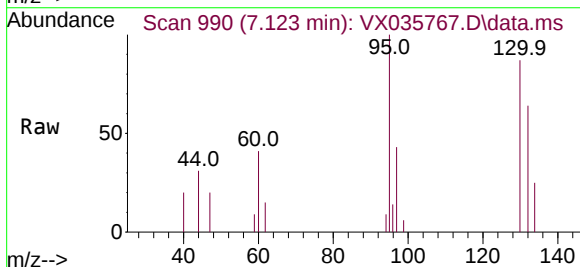
Instrument :
MSVOA_X
ClientSampleId :
FSND-TB-03-05182023

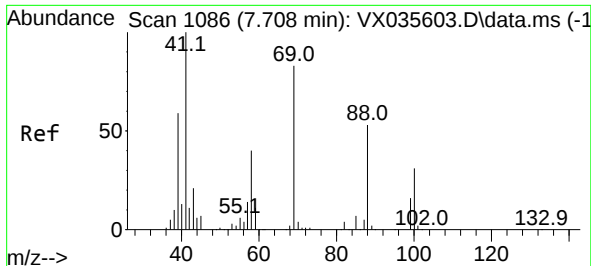
Tgt Ion:	41	Resp:	1342
Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.0	67.6#
67	0.0	55.6	83.4#
52	0.0	23.2	34.8#



#44
Trichloroethene
Concen: 0.762 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX035767.D
Acq: 19 May 2023 17:50

Tgt Ion:	130	Resp:	2054
Ion	Ratio	Lower	Upper
130	100		
95	115.6	0.0	198.4





#49

1,4-Dioxane

Concen: 3.956 ug/l

RT: 7.732 min Scan# 1086

Delta R.T. 0.024 min

Lab File: VX035767.D

Acq: 19 May 2023 17:50

Instrument :

MSVOA_X

ClientSampleId :

FSND-TB-03-05182023

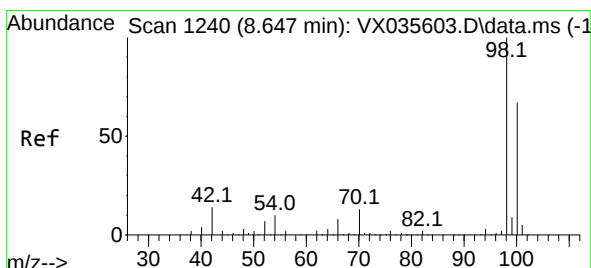
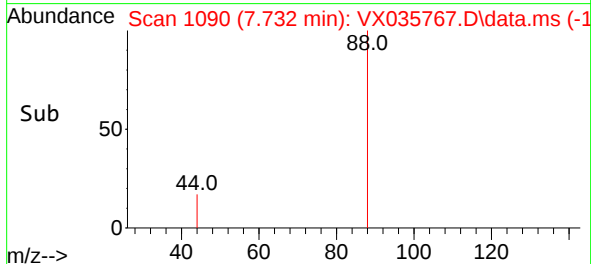
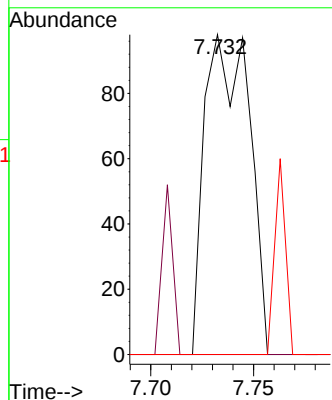
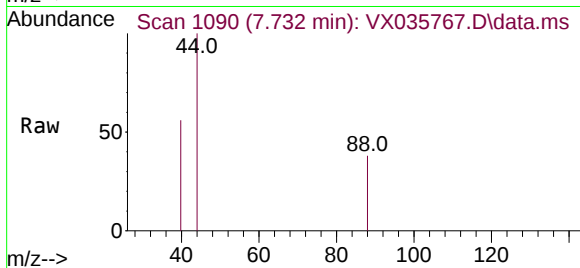
Tgt Ion: 88 Resp: 148

Ion Ratio Lower Upper

88 100

43 0.0 27.7 41.5#

58 0.0 56.8 85.2#



#50

Toluene-d8

Concen: 47.777 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX035767.D

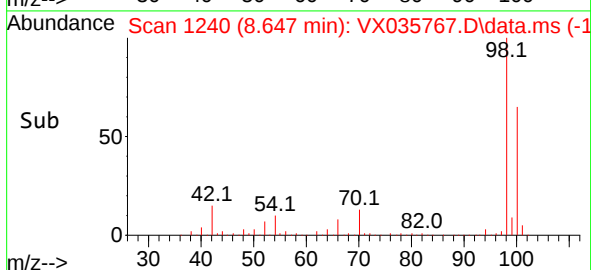
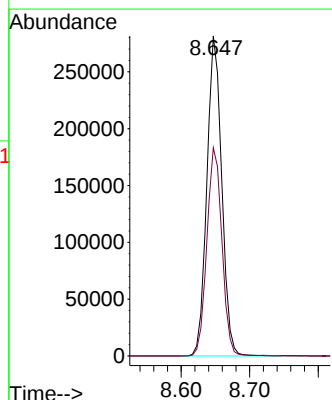
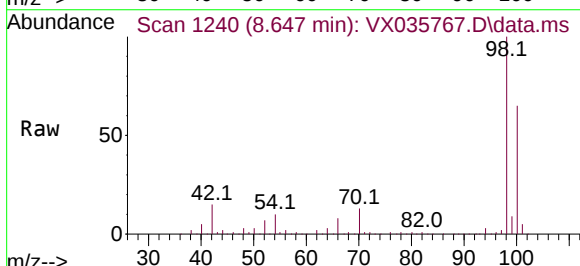
Acq: 19 May 2023 17:50

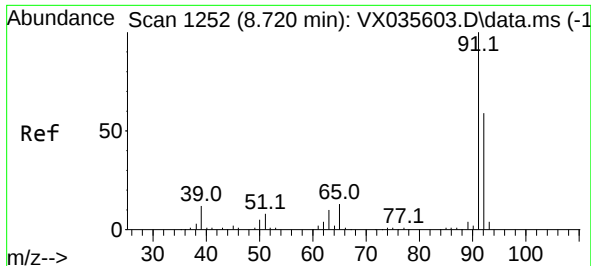
Tgt Ion: 98 Resp: 424875

Ion Ratio Lower Upper

98 100

100 66.0 52.5 78.7





#52

Toluene

Concen: 1.278 ug/l

RT: 8.720 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX035767.D

Acq: 19 May 2023 17:50

Instrument :

MSVOA_X

ClientSampleId :

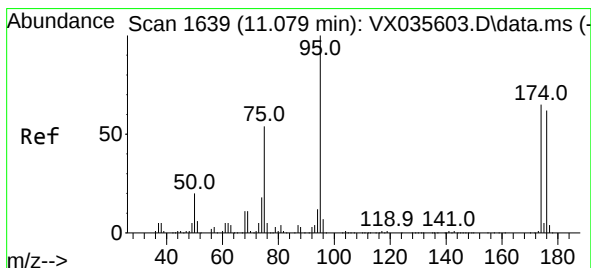
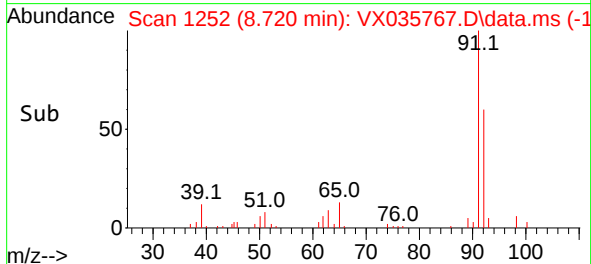
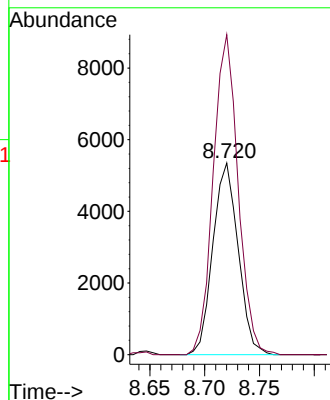
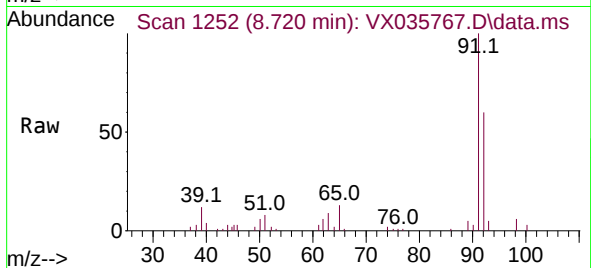
FSND-TB-03-05182023

Tgt Ion: 92 Resp: 8573

Ion Ratio Lower Upper

92 100

91 164.3 136.8 205.2



#62

4-Bromofluorobenzene

Concen: 45.304 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX035767.D

Acq: 19 May 2023 17:50

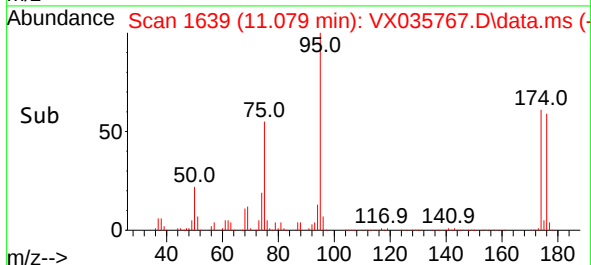
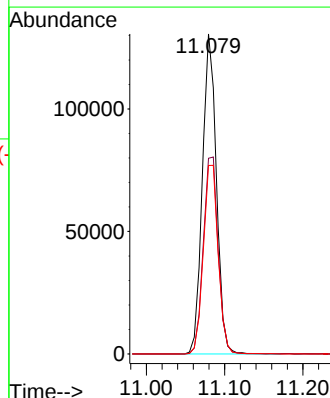
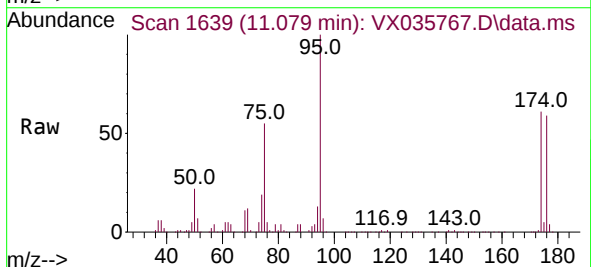
Tgt Ion: 95 Resp: 162218

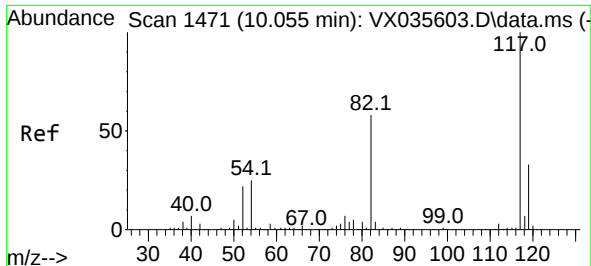
Ion Ratio Lower Upper

95 100

174 65.2 0.0 147.4

176 62.6 0.0 140.6

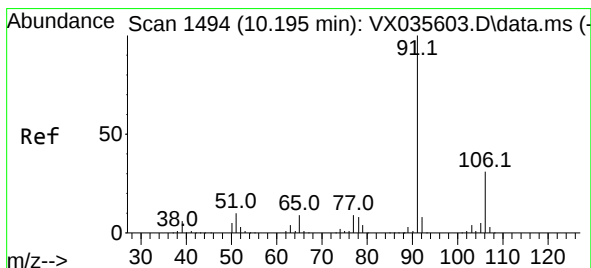
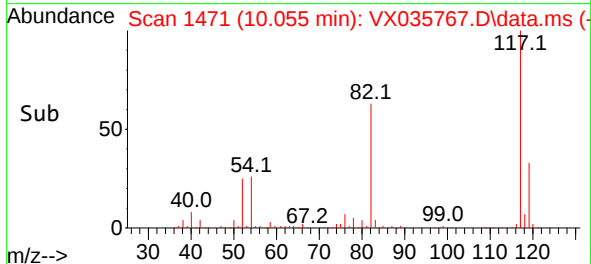
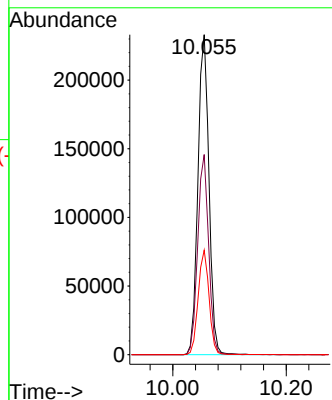
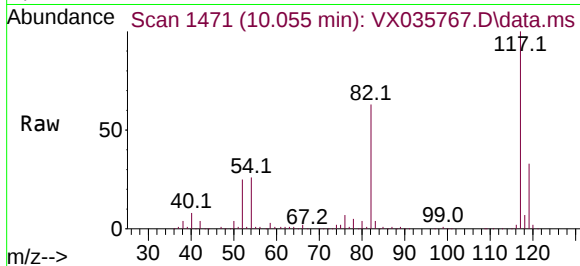




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035767.D
Acq: 19 May 2023 17:50

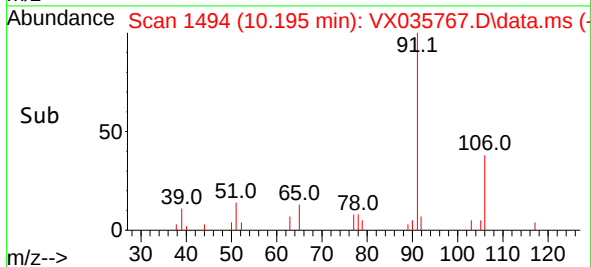
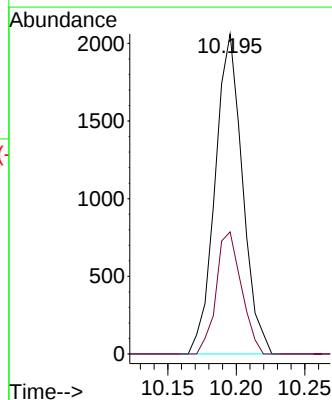
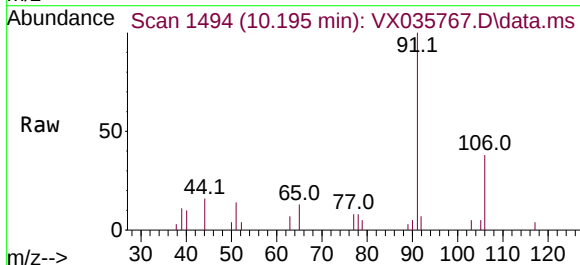
Instrument :
MSVOA_X
ClientSampleId :
FSND-TB-03-05182023

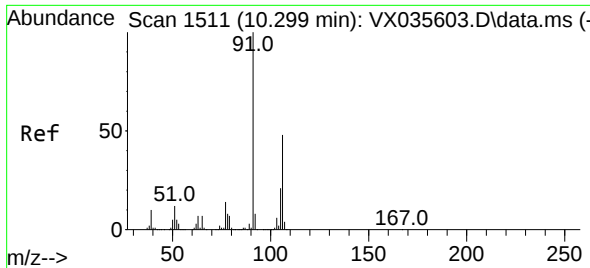
Tgt Ion:117 Resp: 313740
Ion Ratio Lower Upper
117 100
82 62.5 45.0 67.4
119 32.6 26.0 39.0



#67
Ethyl Benzene
Concen: 0.222 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX035767.D
Acq: 19 May 2023 17:50

Tgt Ion: 91 Resp: 2863
Ion Ratio Lower Upper
91 100
106 38.1 25.6 38.4

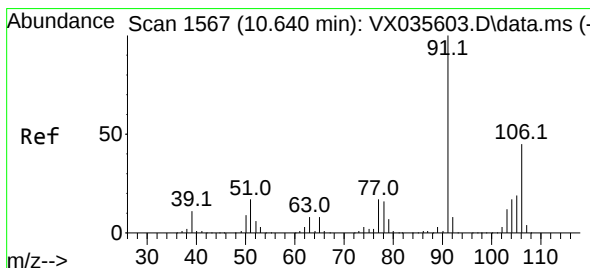
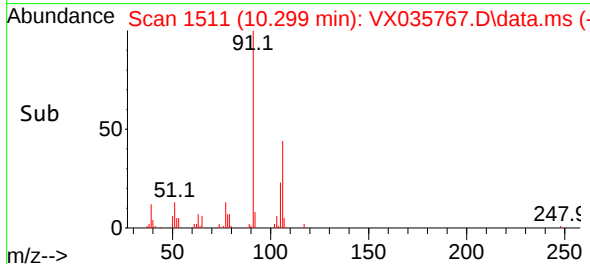
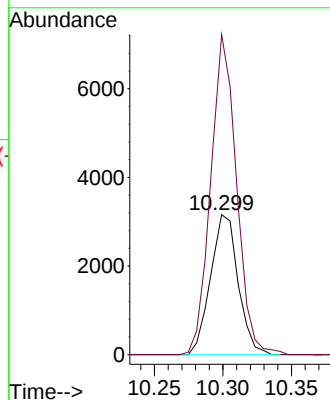
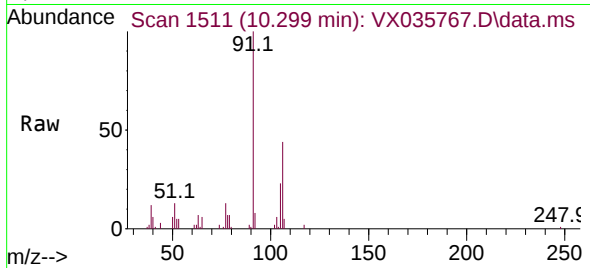




#68
m/p-Xylenes
Concen: 0.928 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX035767.D
Acq: 19 May 2023 17:50

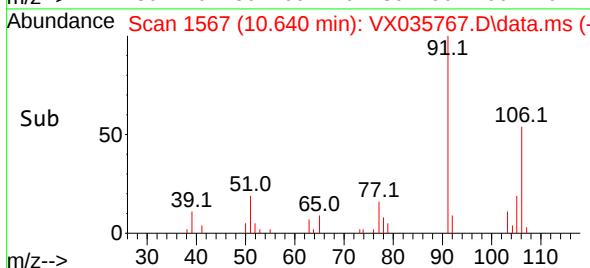
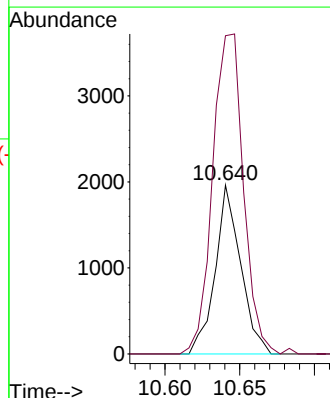
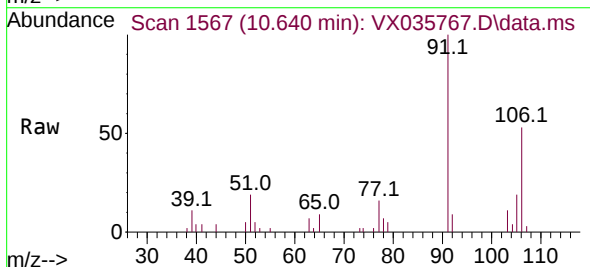
Instrument :
MSVOA_X
ClientSampleId :
FSND-TB-03-05182023

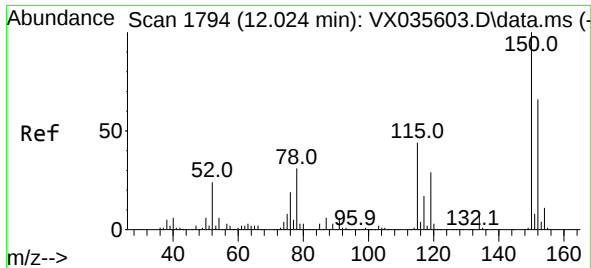
Tgt Ion:106 Resp: 4419
Ion Ratio Lower Upper
106 100
91 213.9 164.0 246.0



#69
o-Xylene
Concen: 0.491 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX035767.D
Acq: 19 May 2023 17:50

Tgt Ion:106 Resp: 2321
Ion Ratio Lower Upper
106 100
91 230.6 108.5 325.3

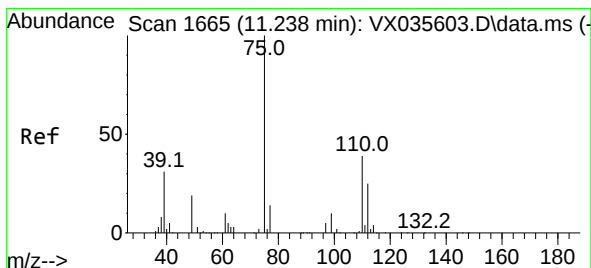
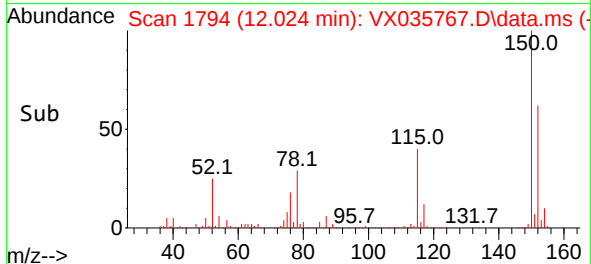
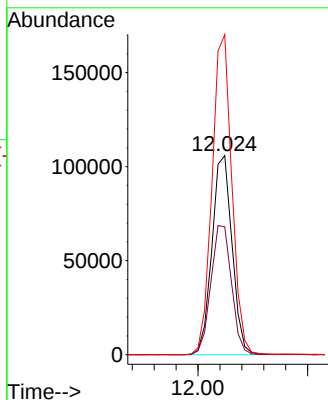
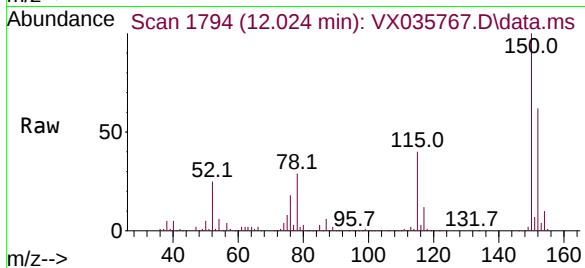




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX035767.D
 Acq: 19 May 2023 17:50

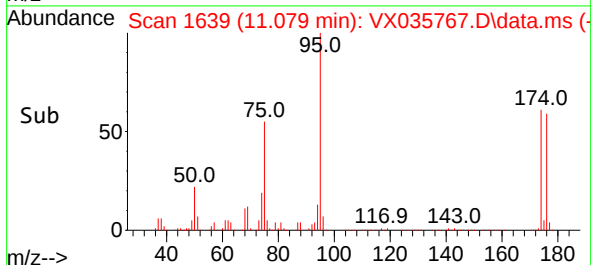
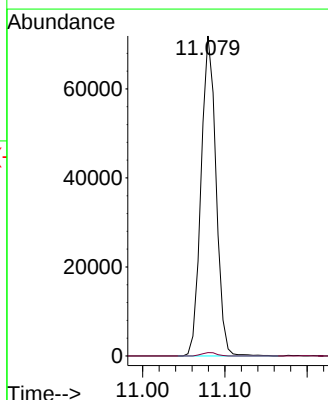
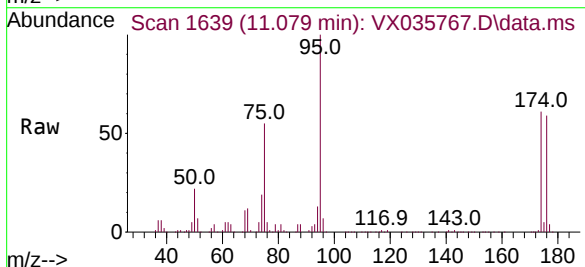
Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-TB-03-05182023

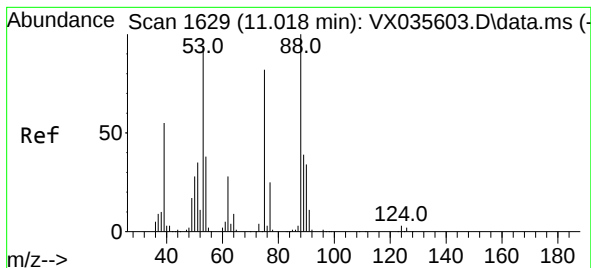
Tgt Ion:152 Resp: 135152
 Ion Ratio Lower Upper
 152 100
 115 66.3 45.0 135.0
 150 157.9 0.0 352.4



#76
 1,2,3-Trichloropropane
 Concen: 27.493 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX035767.D
 Acq: 19 May 2023 17:50

Tgt Ion: 75 Resp: 90887
 Ion Ratio Lower Upper
 75 100
 77 1.0 21.6 64.8#

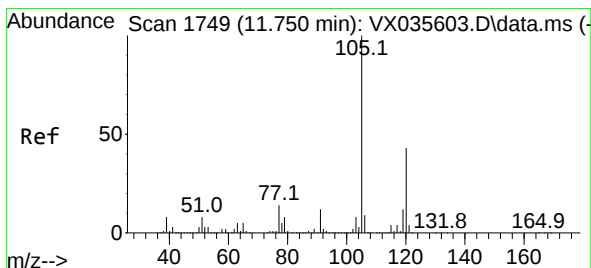
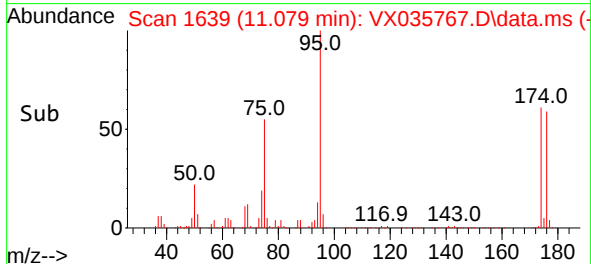
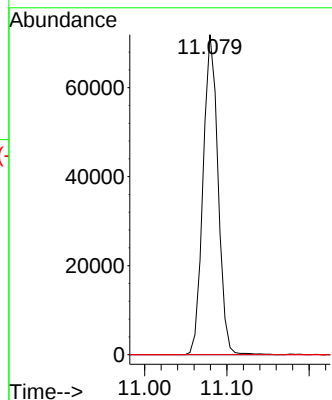
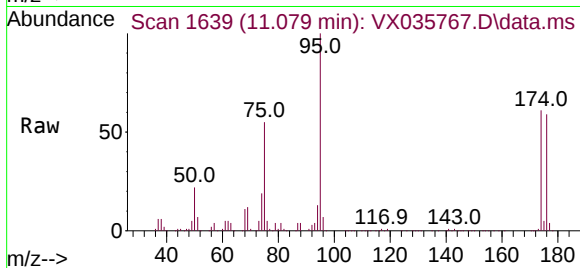




#81
trans-1,4-Dichloro-2-butene
Concen: 88.605 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX035767.D
Acq: 19 May 2023 17:50

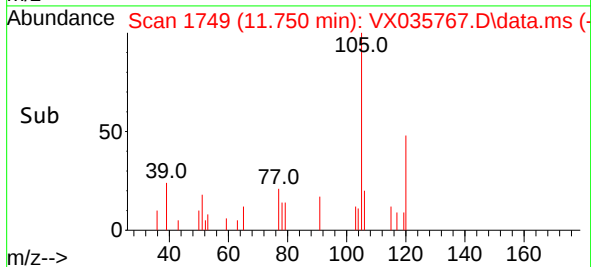
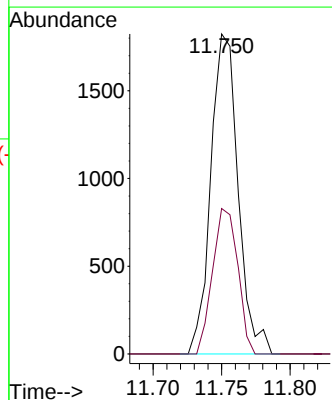
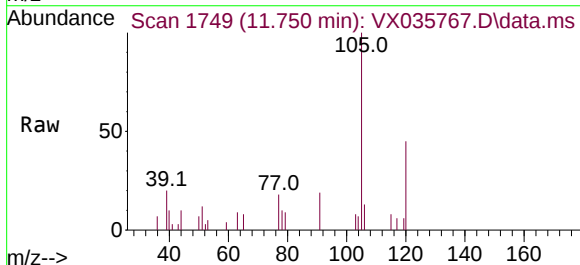
Instrument :
MSVOA_X
ClientSampleId :
FSND-TB-03-05182023

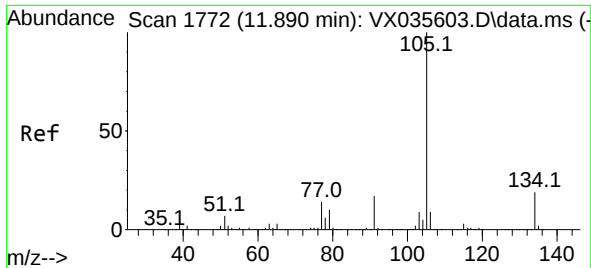
Tgt Ion: 75 Resp: 90887
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.260 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX035767.D
Acq: 19 May 2023 17:50

Tgt Ion: 105 Resp: 2527
Ion Ratio Lower Upper
105 100
120 41.9 22.4 67.0





#85

sec-Butylbenzene

Concen: 0.214 ug/l

RT: 11.750 min Scan# 11

Delta R.T. -0.140 min

Lab File: VX035767.D

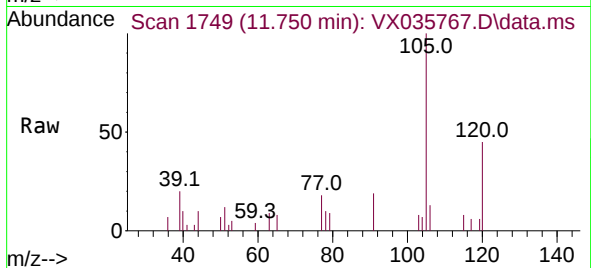
Acq: 19 May 2023 17:50

Instrument :

MSVOA_X

ClientSampleId :

FSND-TB-03-05182023



Tgt Ion:105 Resp: 2527

Ion Ratio Lower Upper

105 100

134 0.0 10.2 30.4#

