

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051123\
 Data File : VX035622.D
 Acq On : 11 May 2023 20:56
 Operator : JC/MD
 Sample : 02643-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-PRO-06-79-05042023

Quant Time: May 12 03:56:10 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)

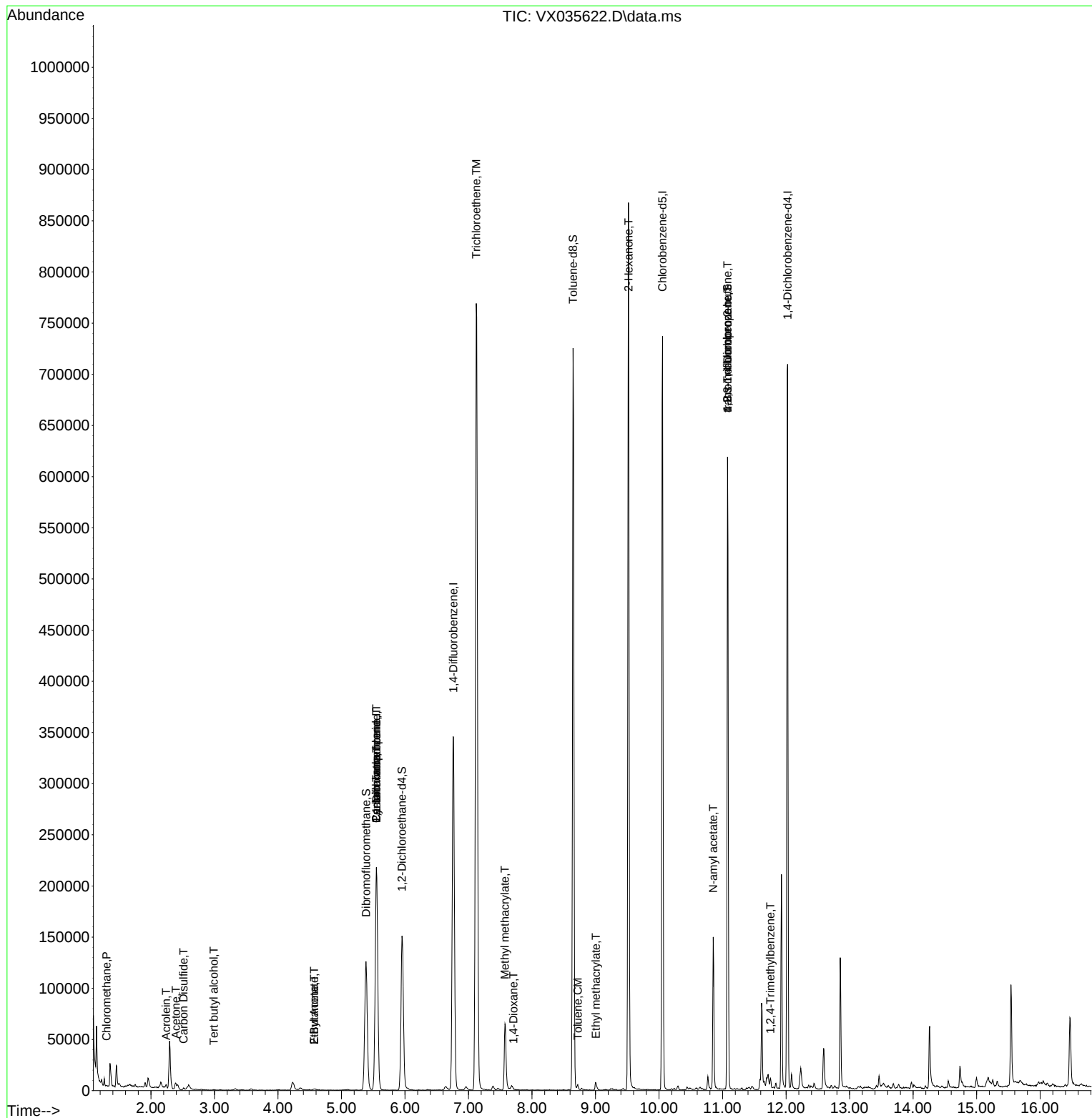
Internal Standards						
1) Pentafluorobenzene	5.549	168	183981	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	334704	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	303230	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	136405	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	153357	47.780	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.560%		
35) Dibromofluoromethane	5.385	113	108059	47.872	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.740%		
50) Toluene-d8	8.646	98	406278	48.721	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.440%		
62) 4-Bromofluorobenzene	11.079	95	165772	49.373	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.740%		
Target Compounds						
						Qvalue
3) Chloromethane	1.300	50	787	0.270	ug/l	# 77
11) Tert butyl alcohol	2.989	59	405	0.715	ug/l	# 73
13) Acrolein	2.239	56	2448	3.642	ug/l	86
16) Acetone	2.391	43	7770	5.633	ug/l	98
17) Carbon Disulfide	2.513	76	2190	0.443	ug/l	# 72
25) 2-Butanone	4.568	43	2560	1.341	ug/l	93
31) Cyclohexane	5.549	56	5217	1.287	ug/l	# 1
36) 1,1-Dichloropropene	5.549	75	17694	4.966	ug/l	# 51
37) Ethyl Acetate	4.568	43	2560	0.689	ug/l	# 70
38) Carbon Tetrachloride	5.549	117	21554	6.386	ug/l	# 16
44) Trichloroethene	7.122	130	283973	112.360	ug/l	92
48) Methyl methacrylate	7.573	41	19252	6.020	ug/l	# 46
49) 1,4-Dioxane	7.708	88	304	6.284	ug/l	# 23
52) Toluene	8.720	92	1725	0.274	ug/l	93
56) Ethyl methacrylate	9.006	69	1167	0.292	ug/l	# 1
59) 2-Hexanone	9.518	43	122758	43.661	ug/l	# 47
74) N-amyl acetate	10.853	43	19675	3.671	ug/l	# 10
76) 1,2,3-Trichloropropane	11.079	75	90001	26.975	ug/l	# 34
81) trans-1,4-Dichloro-2-b...	11.079	75	90001	86.935	ug/l	# 8
84) 1,2,4-Trimethylbenzene	11.756	105	2841	0.290	ug/l	75

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

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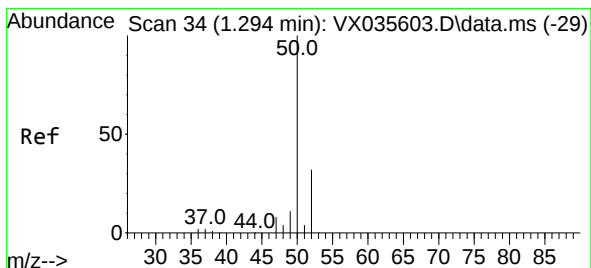
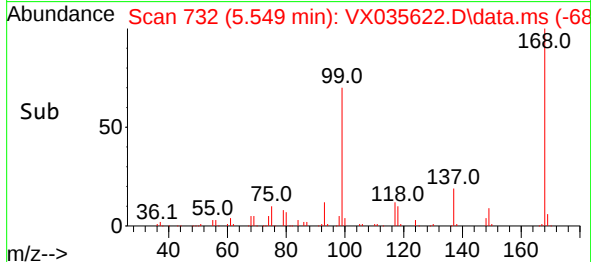
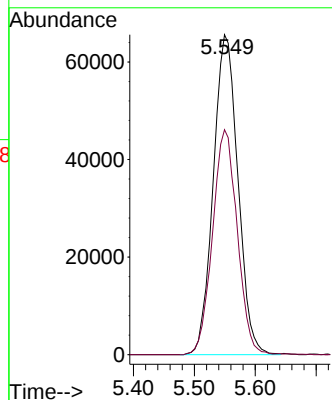
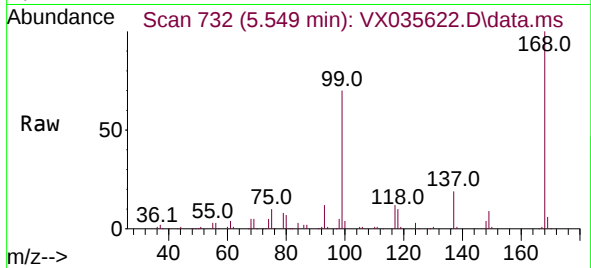




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX035622.D
Acq: 11 May 2023 20:56

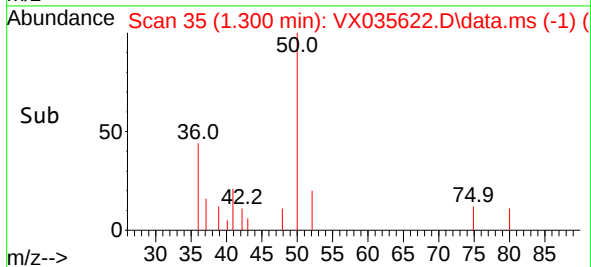
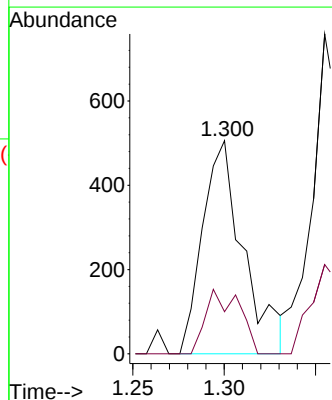
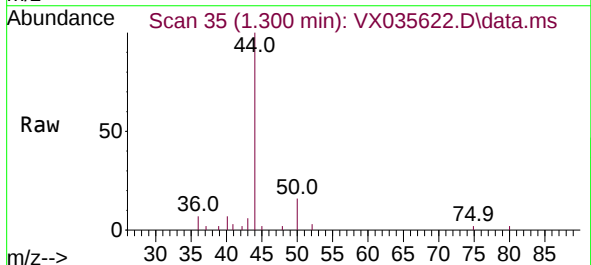
Instrument :
MSVOA_X
ClientSampleId :
FSND-PRO-06-79-05042023

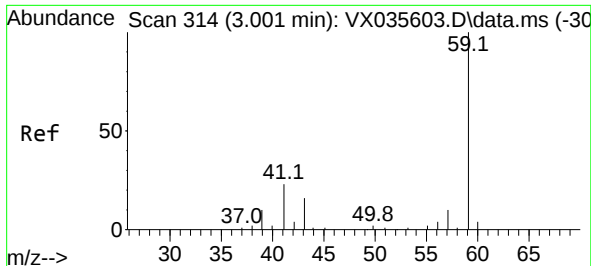
Tgt Ion:168 Resp: 183981
Ion Ratio Lower Upper
168 100
99 70.3 45.7 68.5#



#3
Chloromethane
Concen: 0.270 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX035622.D
Acq: 11 May 2023 20:56

Tgt Ion: 50 Resp: 787
Ion Ratio Lower Upper
50 100
52 19.8 25.9 38.9#

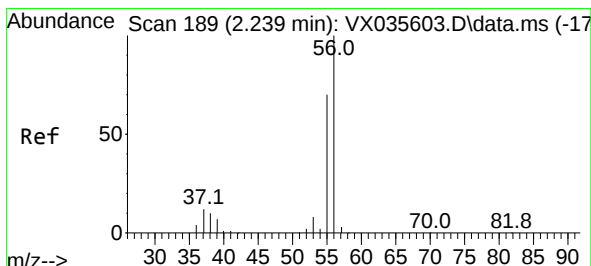
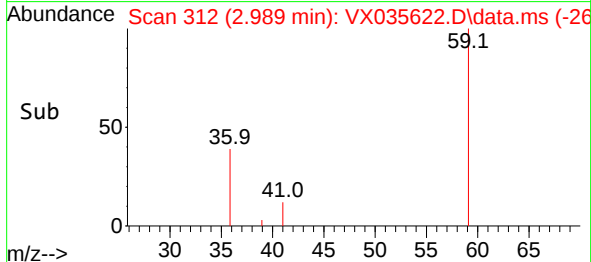
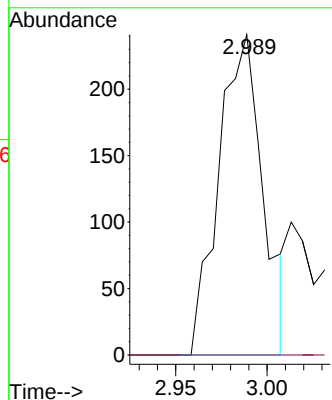
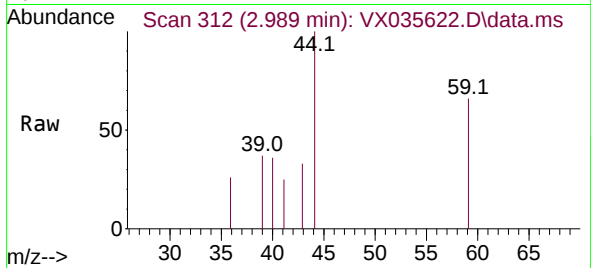




#11
Tert butyl alcohol
Concen: 0.715 ug/l
RT: 2.989 min Scan# 314
Delta R.T. -0.012 min
Lab File: VX035622.D
Acq: 11 May 2023 20:56

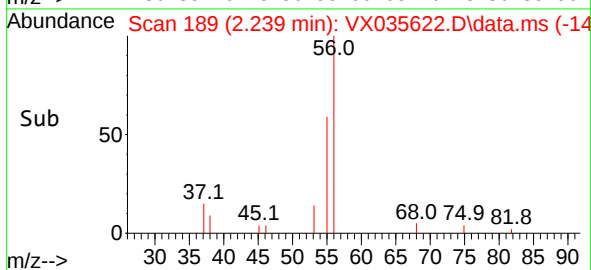
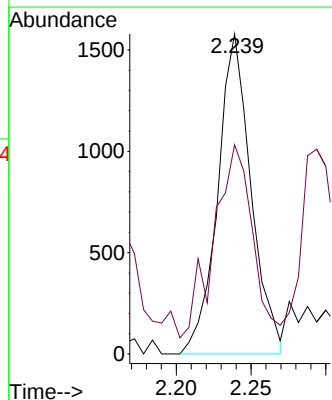
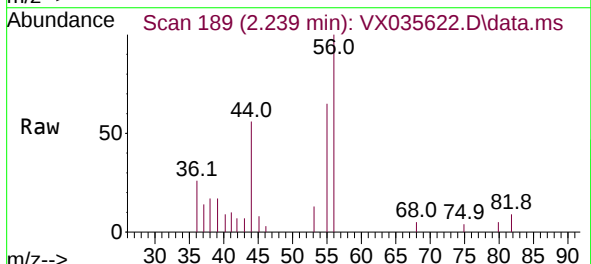
Instrument :
MSVOA_X
ClientSampleId :
FSND-PRO-06-79-05042023

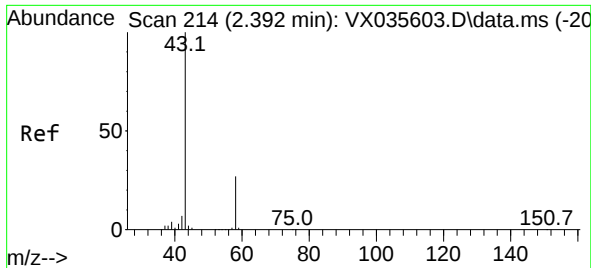
Tgt Ion: 59 Resp: 405
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#13
Acrolein
Concen: 3.642 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.000 min
Lab File: VX035622.D
Acq: 11 May 2023 20:56

Tgt Ion: 56 Resp: 2448
Ion Ratio Lower Upper
56 100
55 82.1 56.6 85.0





#16

Acetone

Concen: 5.633 ug/l

RT: 2.391 min Scan# 214

Delta R.T. -0.001 min

Lab File: VX035622.D

Acq: 11 May 2023 20:56

Instrument :

MSVOA_X

ClientSampleId :

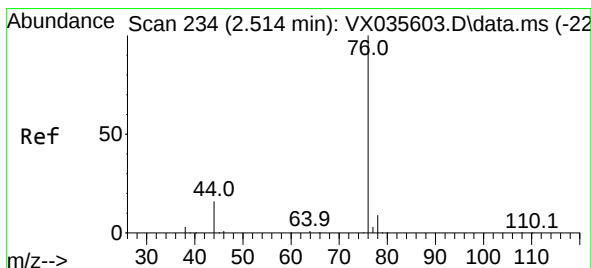
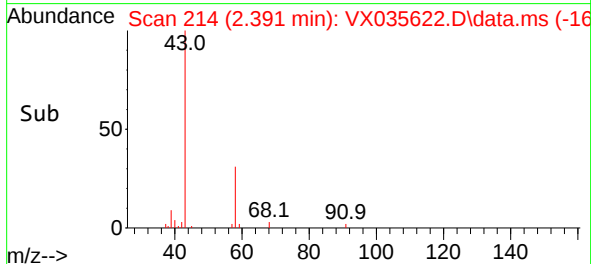
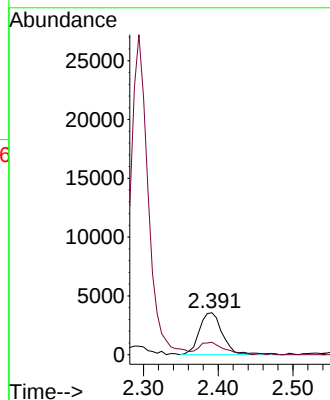
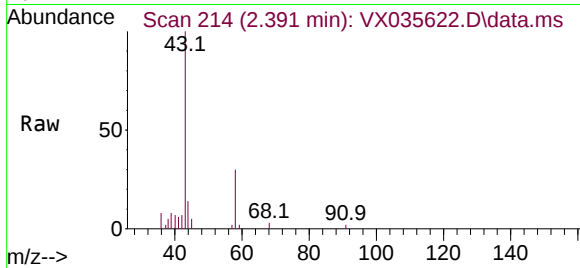
FSND-PRO-06-79-05042023

Tgt Ion: 43 Resp: 7770

Ion Ratio Lower Upper

43 100

58 29.7 24.7 37.1



#17

Carbon Disulfide

Concen: 0.443 ug/l

RT: 2.513 min Scan# 234

Delta R.T. -0.001 min

Lab File: VX035622.D

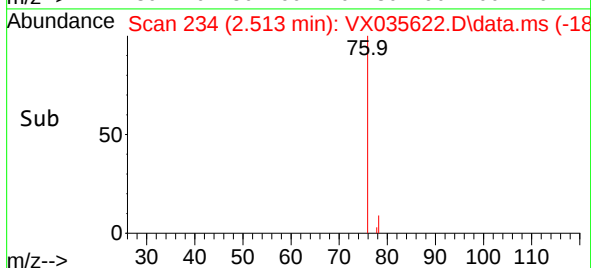
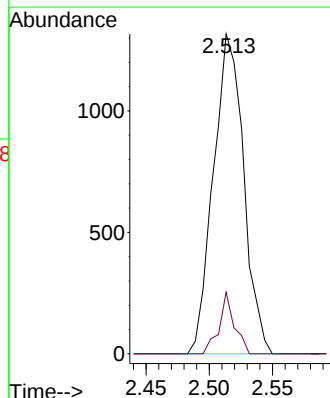
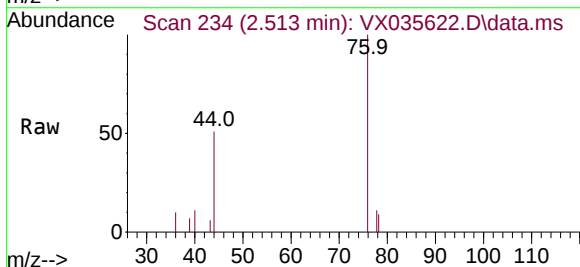
Acq: 11 May 2023 20:56

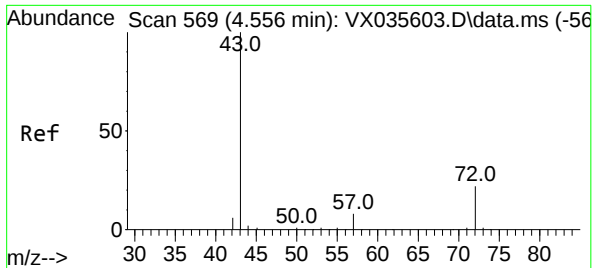
Tgt Ion: 76 Resp: 2190

Ion Ratio Lower Upper

76 100

78 19.3 7.2 10.8#

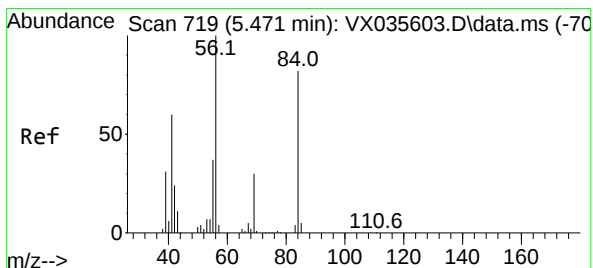
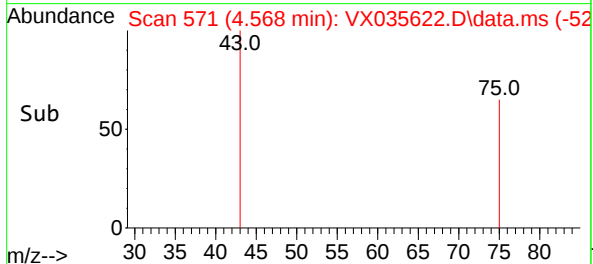
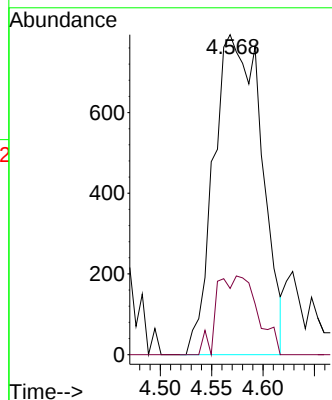
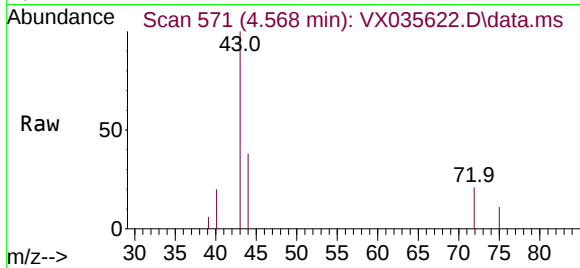




#25
2-Butanone
Concen: 1.341 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX035622.D
Acq: 11 May 2023 20:56

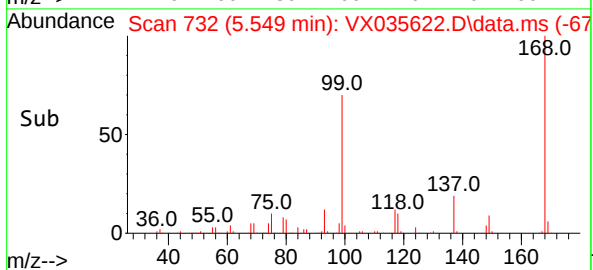
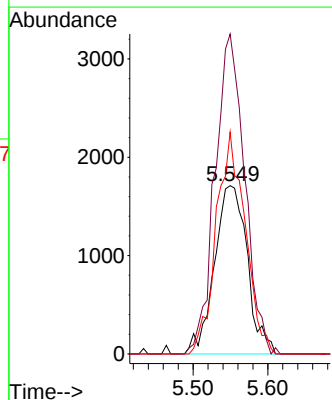
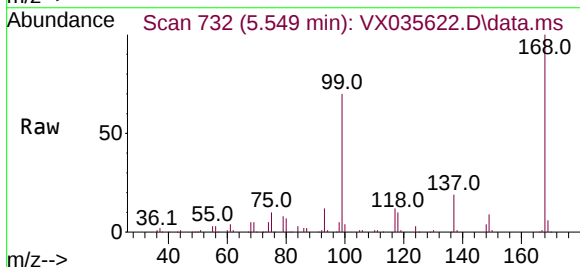
Instrument :
MSVOA_X
ClientSampleId :
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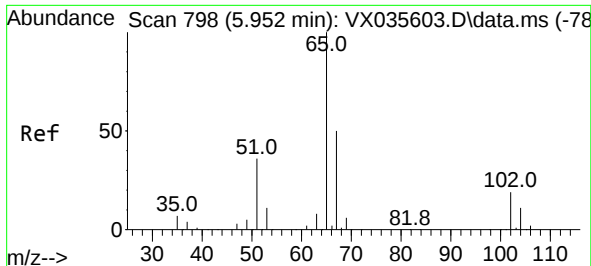
Tgt Ion: 43 Resp: 2560
Ion Ratio Lower Upper
43 100
72 20.7 19.3 28.9



#31
Cyclohexane
Concen: 1.287 ug/l
RT: 5.549 min Scan# 732
Delta R.T. 0.078 min
Lab File: VX035622.D
Acq: 11 May 2023 20:56

Tgt Ion: 56 Resp: 5217
Ion Ratio Lower Upper
56 100
69 190.2 23.7 35.5#
84 131.9 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 47.780 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX035622.D

Acq: 11 May 2023 20:56

Instrument :

MSVOA_X

ClientSampleId :

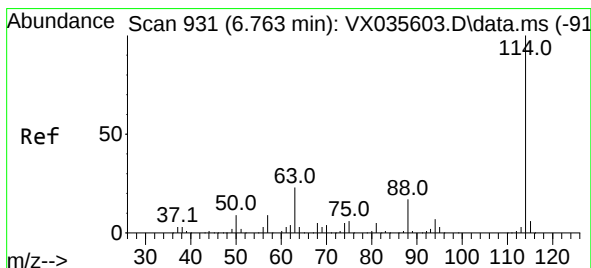
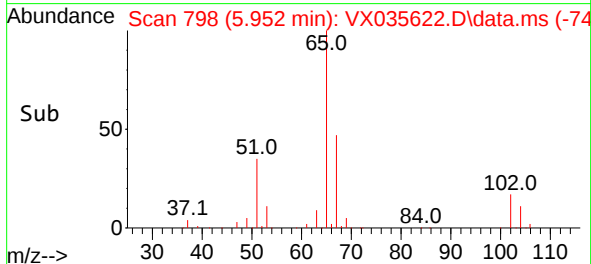
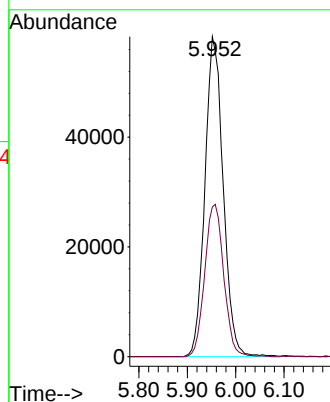
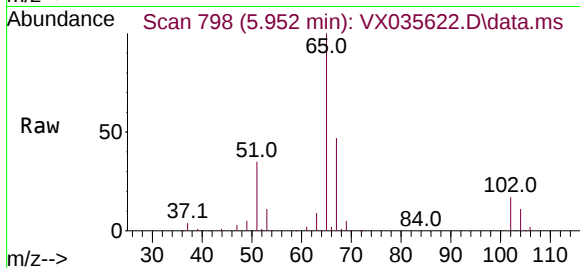
FSND-PRO-06-79-05042023

Tgt Ion: 65 Resp: 153357

Ion Ratio Lower Upper

65 100

67 49.5 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX035622.D

Acq: 11 May 2023 20:56

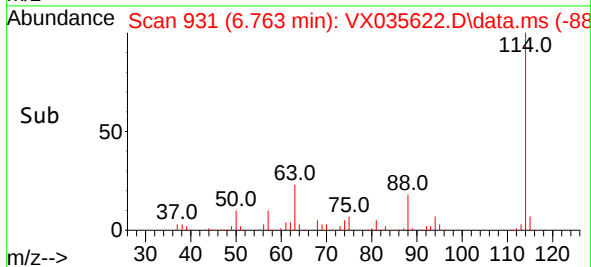
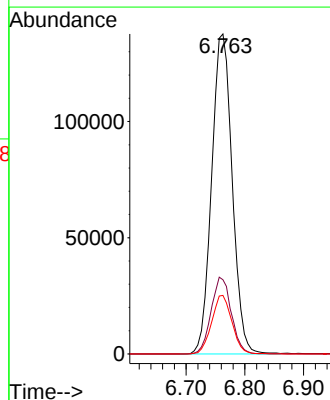
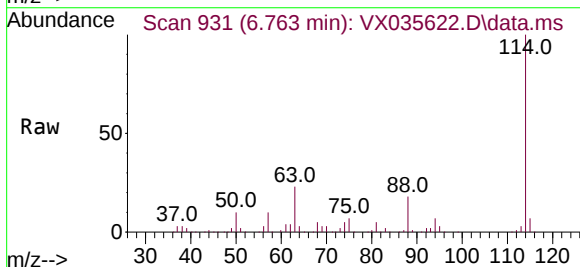
Tgt Ion: 114 Resp: 334704

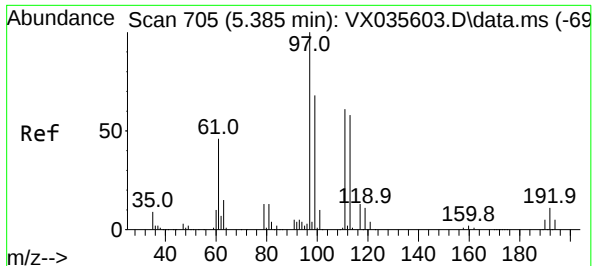
Ion Ratio Lower Upper

114 100

63 23.2 0.0 42.2

88 18.3 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.872 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX035622.D

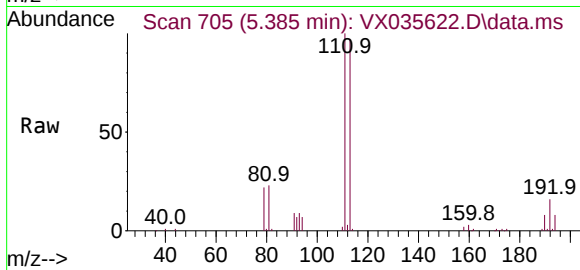
Acq: 11 May 2023 20:56

Instrument :

MSVOA_X

ClientSampleId :

FSND-PRO-06-79-05042023



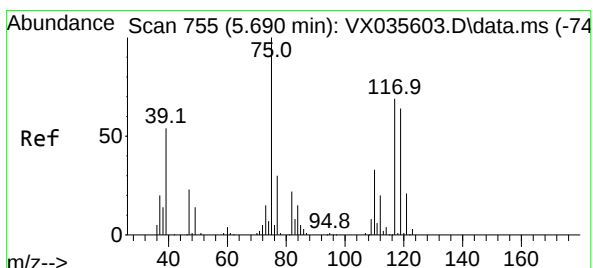
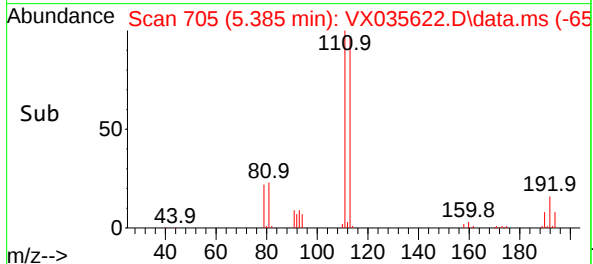
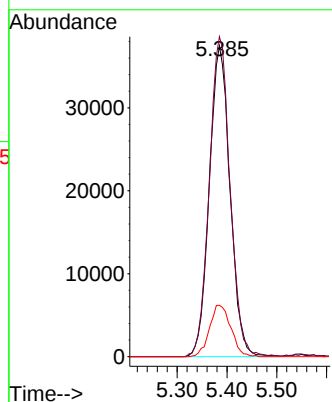
Tgt Ion:113 Resp: 108059

Ion Ratio Lower Upper

113 100

111 103.3 83.7 125.5

192 17.1 15.4 23.2



#36

1,1-Dichloropropene

Concen: 4.966 ug/l

RT: 5.549 min Scan# 732

Delta R.T. -0.141 min

Lab File: VX035622.D

Acq: 11 May 2023 20:56

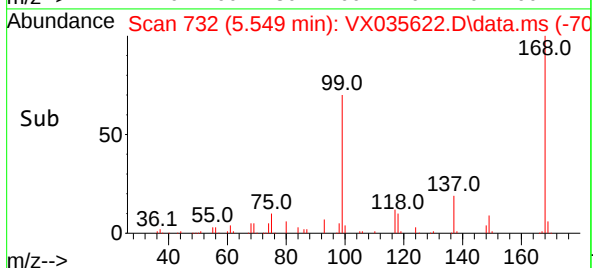
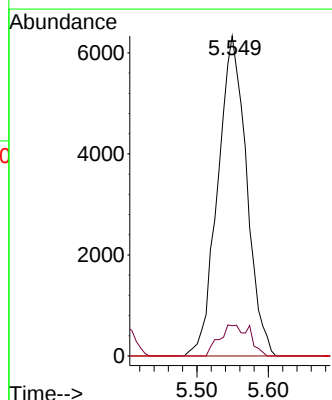
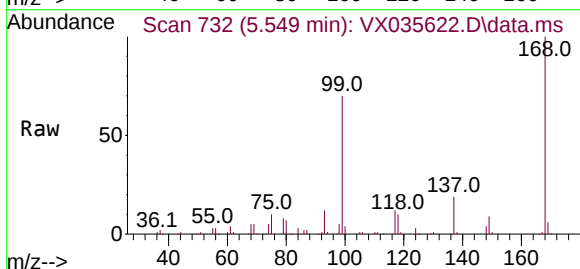
Tgt Ion: 75 Resp: 17694

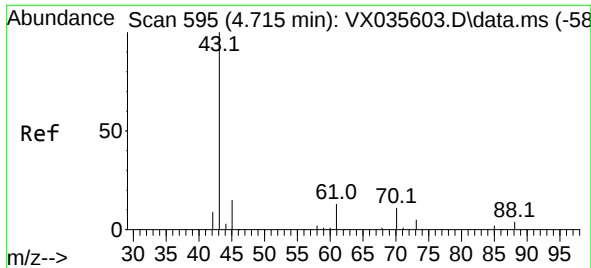
Ion Ratio Lower Upper

75 100

110 10.2 17.5 52.5#

77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 0.689 ug/l

RT: 4.568 min Scan# 51

Delta R.T. -0.147 min

Lab File: VX035622.D

Acq: 11 May 2023 20:56

Instrument :

MSVOA_X

ClientSampleId :

FSND-PRO-06-79-05042023

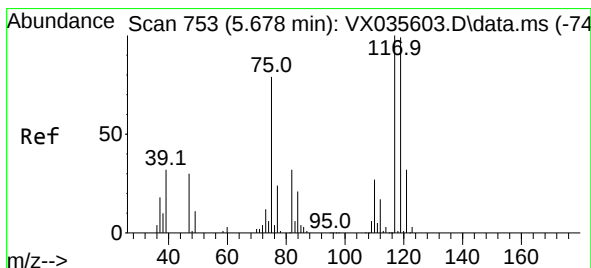
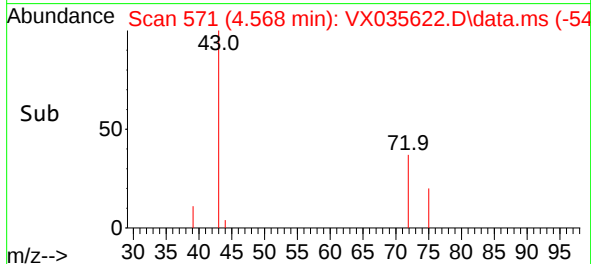
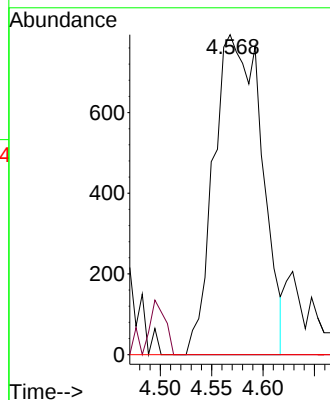
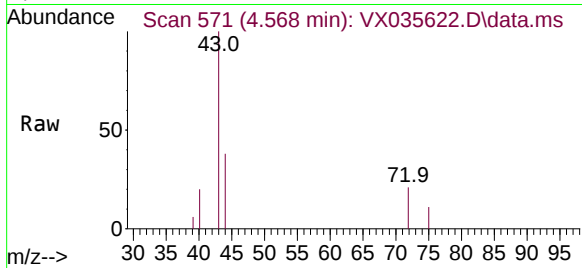
Tgt Ion: 43 Resp: 2560

Ion Ratio Lower Upper

43 100

61 0.0 10.2 15.4#

70 0.0 8.2 12.4#



#38

Carbon Tetrachloride

Concen: 6.386 ug/l

RT: 5.549 min Scan# 732

Delta R.T. -0.129 min

Lab File: VX035622.D

Acq: 11 May 2023 20:56

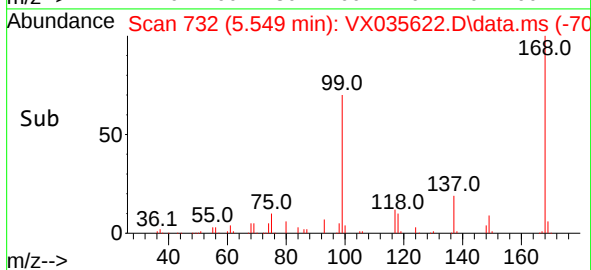
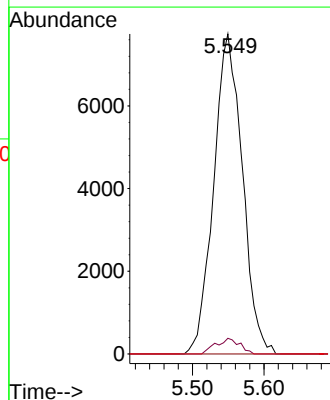
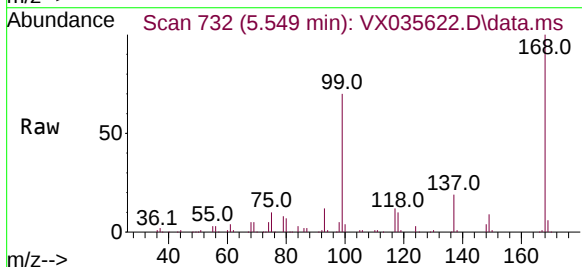
Tgt Ion: 117 Resp: 21554

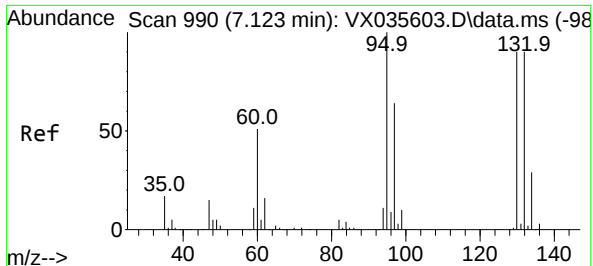
Ion Ratio Lower Upper

117 100

119 4.9 76.6 114.8#

121 0.0 23.8 35.6#

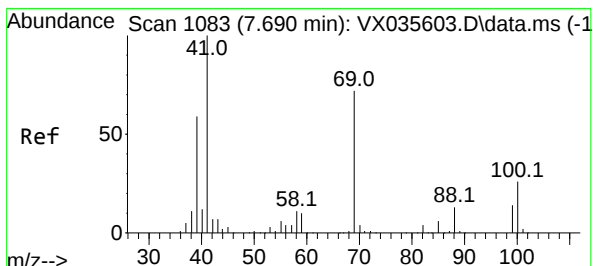
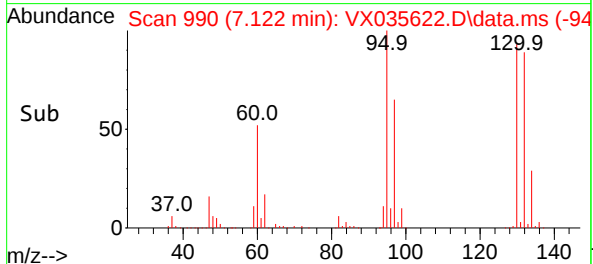
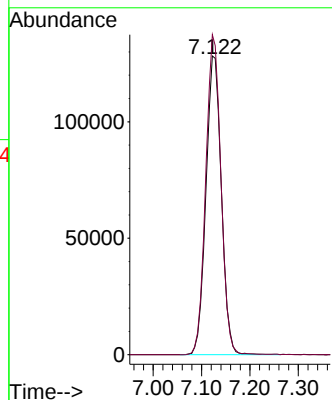
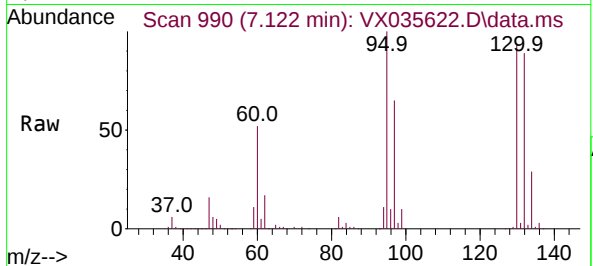




#44
Trichloroethene
Concen: 112.360 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.001 min
Lab File: VX035622.D
Acq: 11 May 2023 20:56

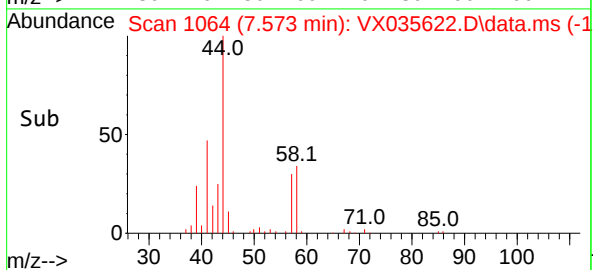
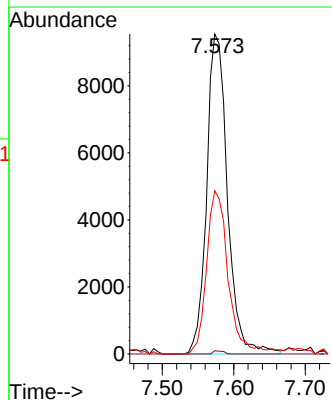
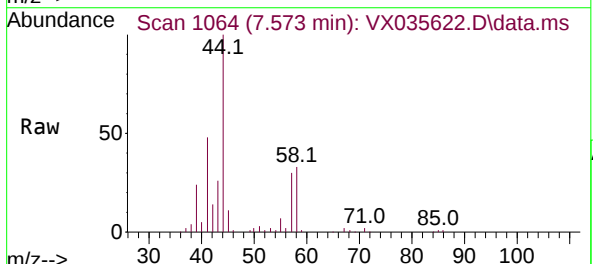
Instrument :
MSVOA_X
ClientSampleId :
FSND-PRO-06-79-05042023

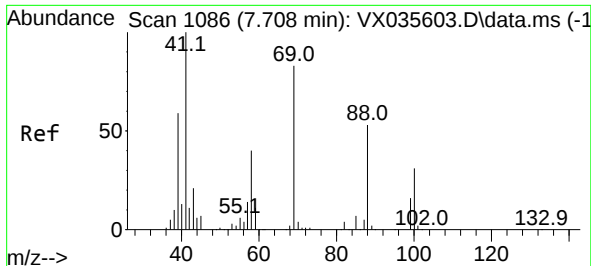
Tgt Ion:130 Resp: 283973
Ion Ratio Lower Upper
130 100
95 107.1 0.0 198.4



#48
Methyl methacrylate
Concen: 6.020 ug/l
RT: 7.573 min Scan# 1064
Delta R.T. -0.117 min
Lab File: VX035622.D
Acq: 11 May 2023 20:56

Tgt Ion: 41 Resp: 19252
Ion Ratio Lower Upper
41 100
69 0.5 62.2 93.4#
39 52.6 47.7 71.5





#49

1,4-Dioxane

Concen: 6.284 ug/l

RT: 7.708 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX035622.D

Acq: 11 May 2023 20:56

Instrument :

MSVOA_X

ClientSampleId :

FSND-PRO-06-79-05042023

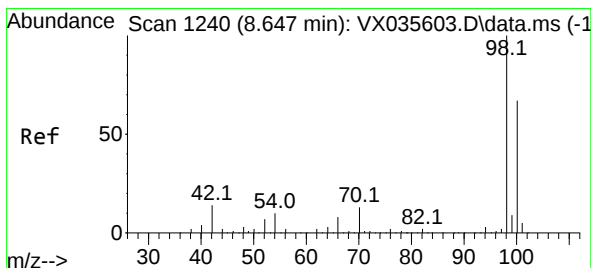
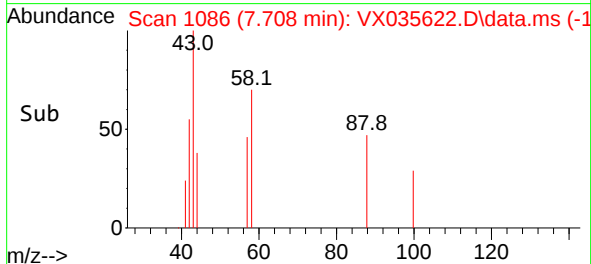
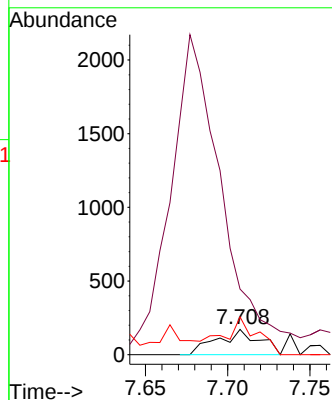
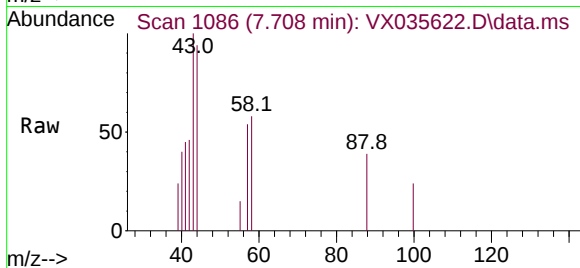
Tgt Ion: 88 Resp: 304

Ion Ratio Lower Upper

88 100

43 0.0 27.7 41.5#

58 0.0 56.8 85.2#



#50

Toluene-d8

Concen: 48.721 ug/l

RT: 8.646 min Scan# 1240

Delta R.T. -0.001 min

Lab File: VX035622.D

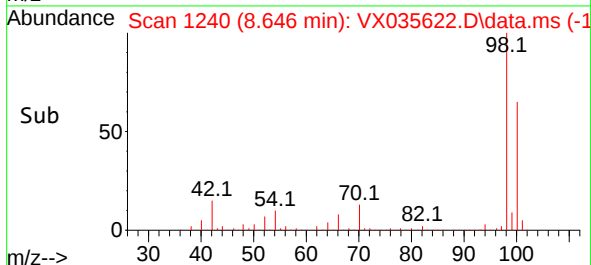
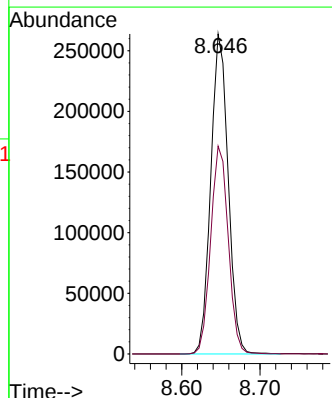
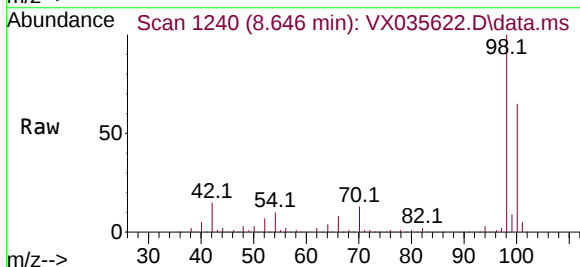
Acq: 11 May 2023 20:56

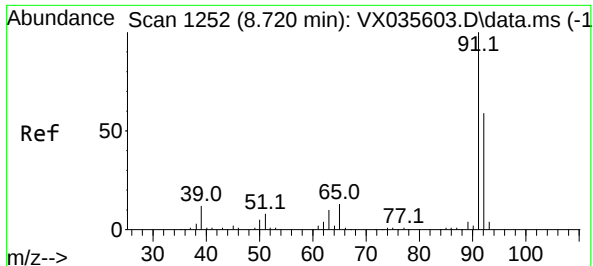
Tgt Ion: 98 Resp: 406278

Ion Ratio Lower Upper

98 100

100 65.7 52.5 78.7

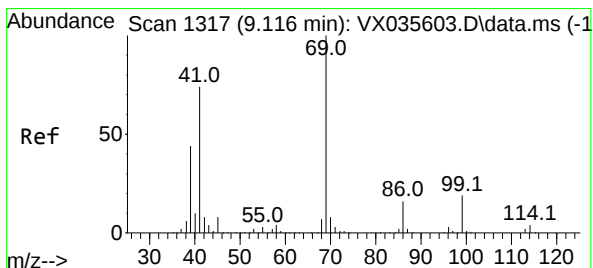
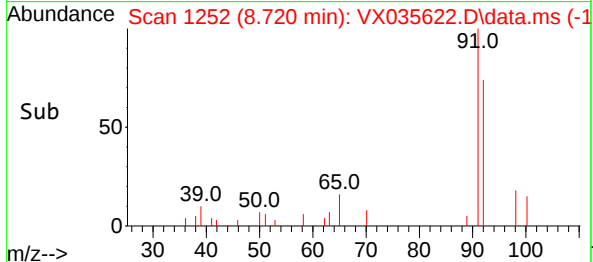
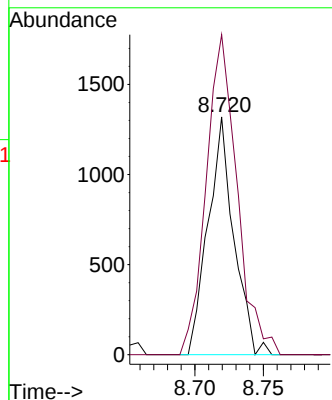
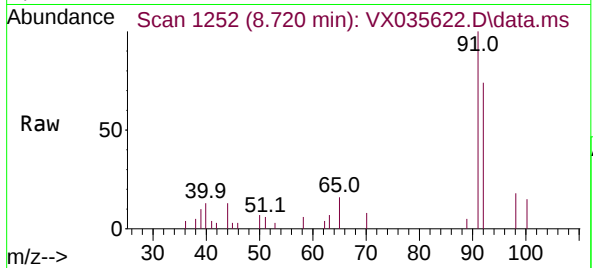




#52
Toluene
Concen: 0.274 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035622.D
Acq: 11 May 2023 20:56

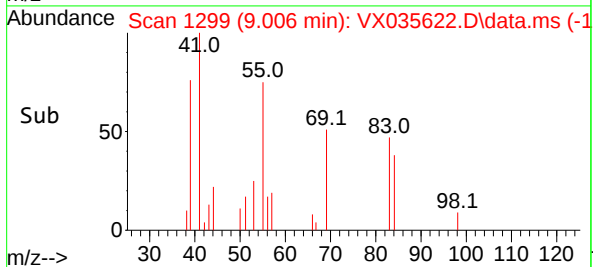
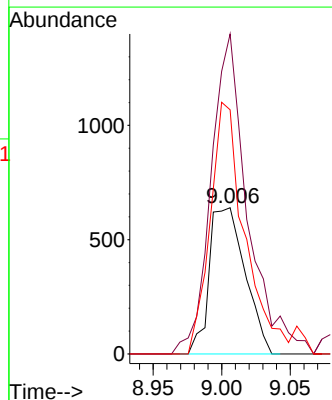
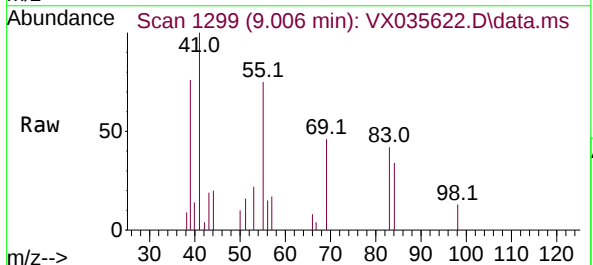
Instrument :
MSVOA_X
ClientSampleId :
FSND-PRO-06-79-05042023

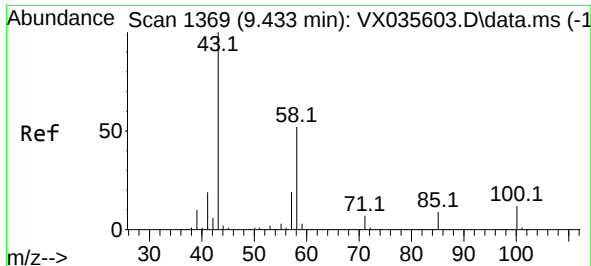
Tgt Ion: 92 Resp: 1725
Ion Ratio Lower Upper
92 100
91 161.2 136.8 205.2



#56
Ethyl methacrylate
Concen: 0.292 ug/l
RT: 9.006 min Scan# 1299
Delta R.T. -0.110 min
Lab File: VX035622.D
Acq: 11 May 2023 20:56

Tgt Ion: 69 Resp: 1167
Ion Ratio Lower Upper
69 100
41 222.9 57.4 86.0#
39 171.6 33.7 50.5#





#59

2-Hexanone

Concen: 43.661 ug/l

RT: 9.518 min Scan# 11

Delta R.T. 0.085 min

Lab File: VX035622.D

Acq: 11 May 2023 20:56

Instrument :

MSVOA_X

ClientSampleId :

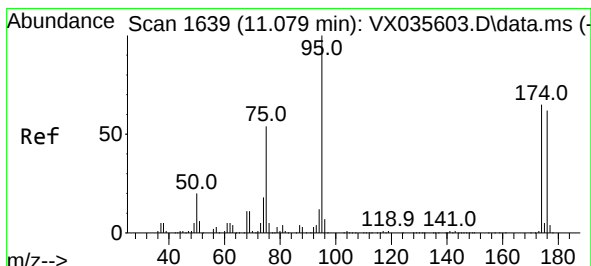
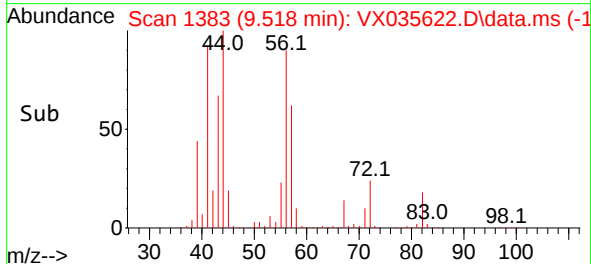
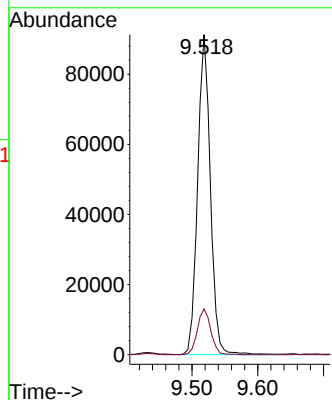
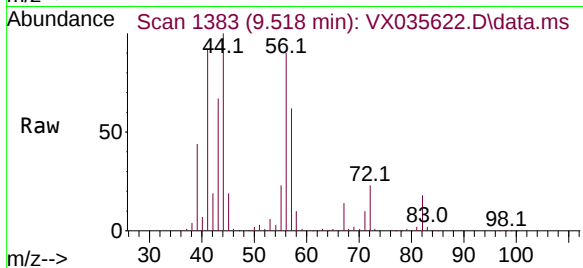
FSND-PRO-06-79-05042023

Tgt Ion: 43 Resp: 122758

Ion Ratio Lower Upper

43 100

58 15.0 26.3 78.9#



#62

4-Bromofluorobenzene

Concen: 49.373 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX035622.D

Acq: 11 May 2023 20:56

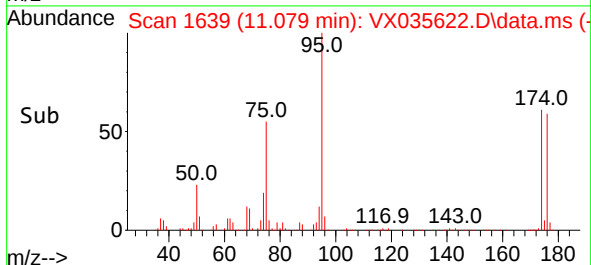
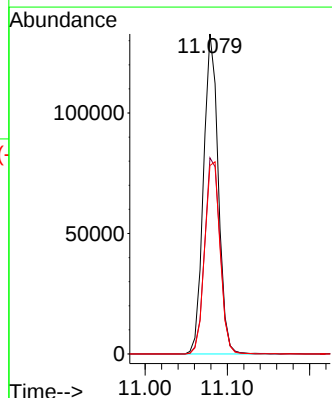
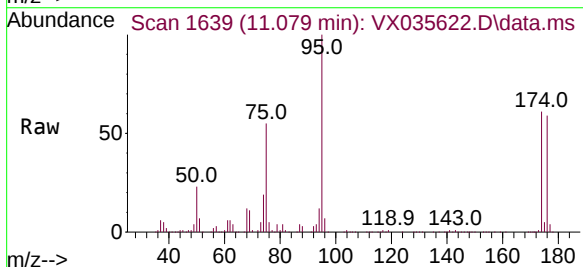
Tgt Ion: 95 Resp: 165772

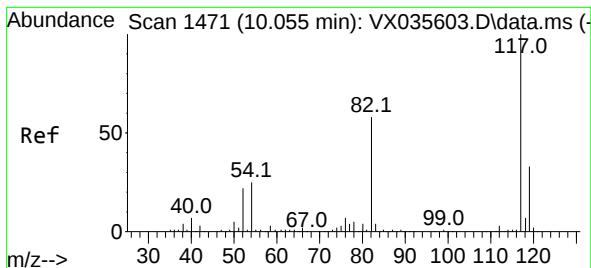
Ion Ratio Lower Upper

95 100

174 63.9 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: VX035622.D

Acq: 11 May 2023 20:56

Instrument :

MSVOA_X

ClientSampleId :

FSND-PRO-06-79-05042023

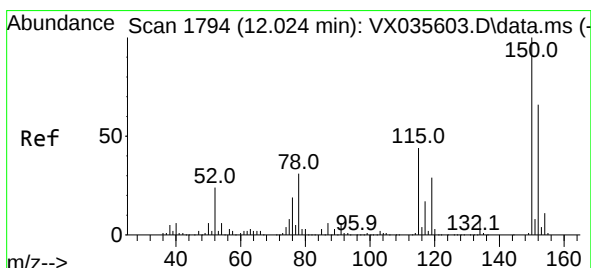
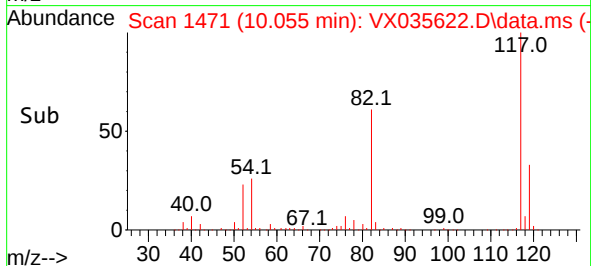
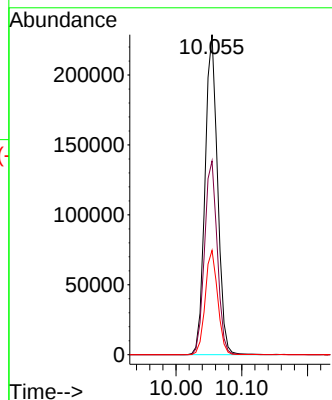
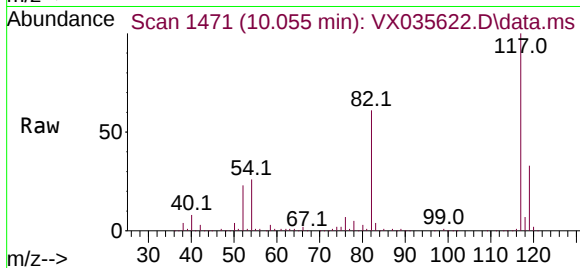
Tgt Ion:117 Resp: 303230

Ion Ratio Lower Upper

117 100

82 60.5 45.0 67.4

119 32.6 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX035622.D

Acq: 11 May 2023 20:56

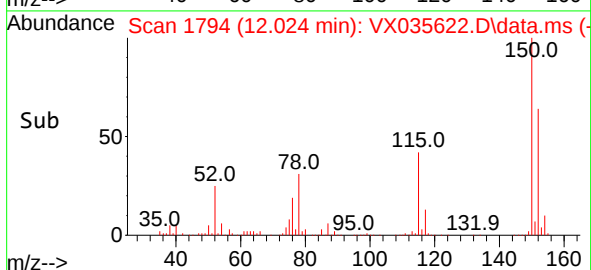
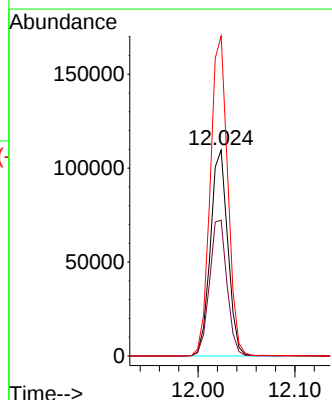
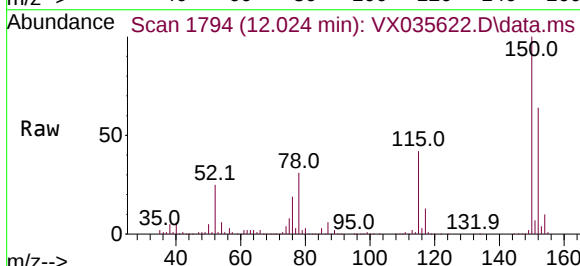
Tgt Ion:152 Resp: 136405

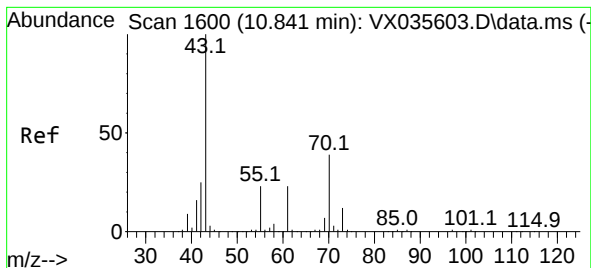
Ion Ratio Lower Upper

152 100

115 66.5 45.0 135.0

150 156.3 0.0 352.4





#74

N-amy1 acetate

Concen: 3.671 ug/l

RT: 10.853 min Scan# 1

Delta R.T. 0.012 min

Lab File: VX035622.D

Acq: 11 May 2023 20:56

Instrument :

MSVOA_X

ClientSampleId :

FSND-PRO-06-79-05042023

Tgt Ion: 43 Resp: 19675

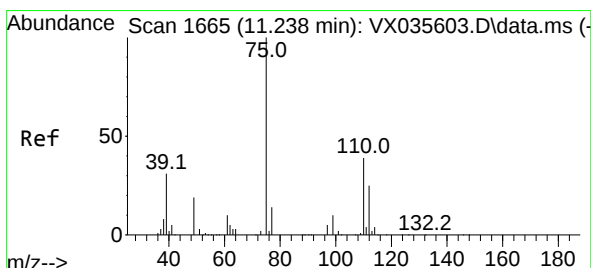
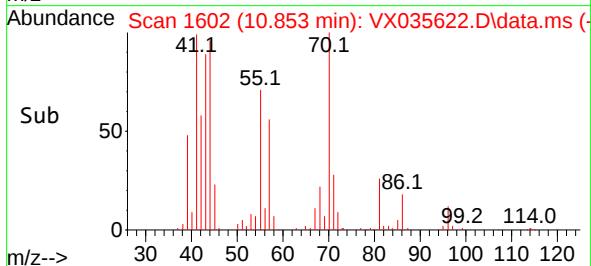
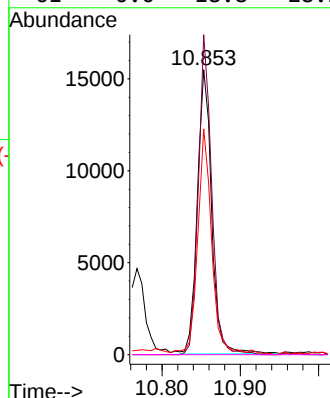
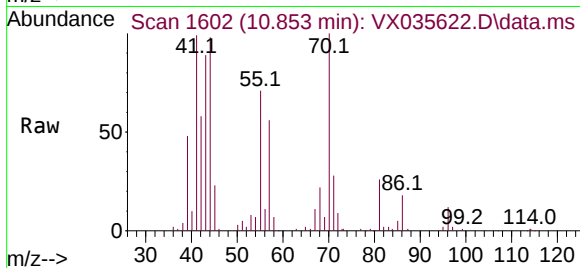
Ion Ratio Lower Upper

43 100

70 105.0 32.1 48.1#

55 75.2 18.3 27.5#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 26.975 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX035622.D

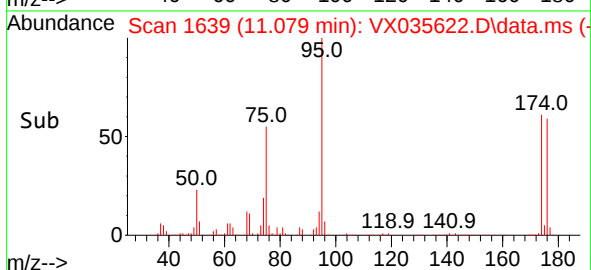
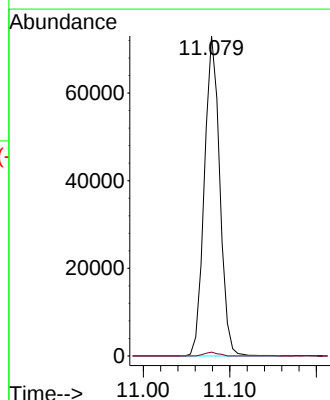
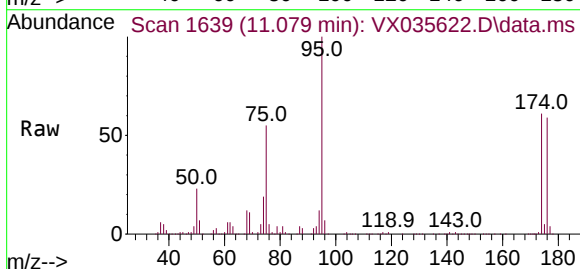
Acq: 11 May 2023 20:56

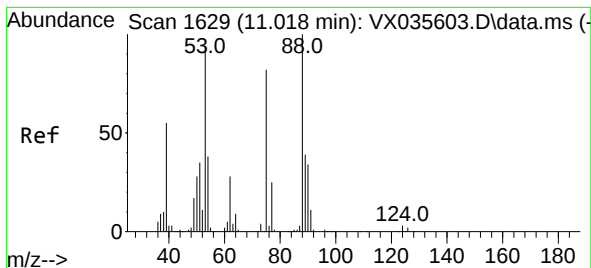
Tgt Ion: 75 Resp: 90001

Ion Ratio Lower Upper

75 100

77 1.1 21.6 64.8#

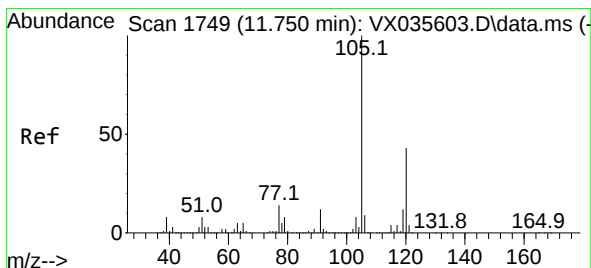
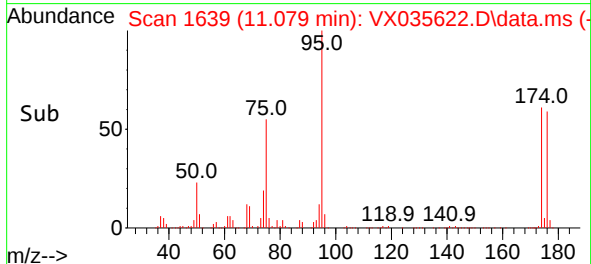
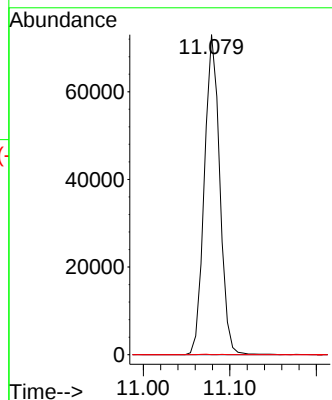
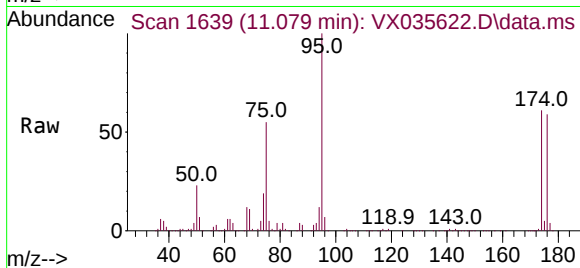




#81
trans-1,4-Dichloro-2-butene
Concen: 86.935 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX035622.D
Acq: 11 May 2023 20:56

Instrument :
MSVOA_X
ClientSampleId :
FSND-PRO-06-79-05042023

Tgt Ion: 75 Resp: 90001
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.1 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.290 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX035622.D
Acq: 11 May 2023 20:56

Tgt Ion: 105 Resp: 2841
Ion Ratio Lower Upper
105 100
120 28.4 22.4 67.0

