

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051523\
 Data File : VX035657.D
 Acq On : 15 May 2023 12:07
 Operator : JC/MD
 Sample : 02643-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-PRO-07-99-05032023

Quant Time: May 16 04:56:49 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)

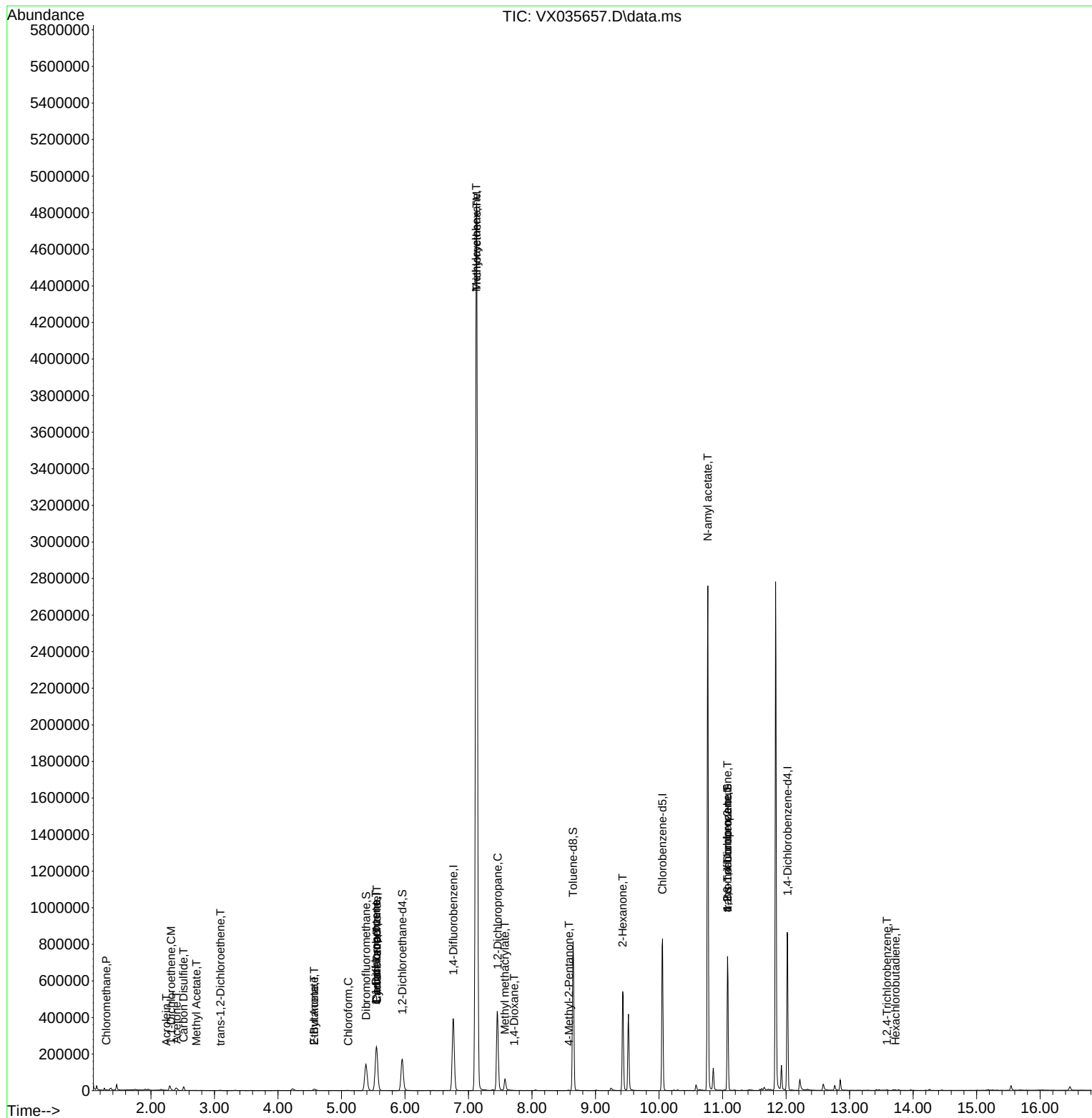
Internal Standards						
1) Pentafluorobenzene	5.550	168	205332	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	379328	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	345949	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	162934	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	172557	48.172	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.340%		
35) Dibromofluoromethane	5.385	113	123438	48.252	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.500%		
50) Toluene-d8	8.647	98	456430	48.297	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.600%		
62) 4-Bromofluorobenzene	11.079	95	193375	50.819	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.640%		
Target Compounds						Qvalue
3) Chloromethane	1.294	50	672	0.207	ug/l #	82
12) 1,1-Dichloroethene	2.319	96	845	0.370	ug/l	95
13) Acrolein	2.239	56	899	1.199	ug/l #	77
16) Acetone	2.404	43	21277	13.820	ug/l #	87
17) Carbon Disulfide	2.514	76	23363	4.233	ug/l	99
18) Methyl Acetate	2.715	43	1458	0.257	ug/l #	72
21) trans-1,2-Dichloroethene	3.093	96	633	0.253	ug/l #	72
25) 2-Butanone	4.568	43	16240	7.620	ug/l	98
30) Chloroform	5.105	83	1767	0.336	ug/l	91
31) Cyclohexane	5.556	56	5647	1.248	ug/l #	30
36) 1,1-Dichloropropene	5.544	75	19726	4.885	ug/l #	50
37) Ethyl Acetate	4.568	43	16240	3.856	ug/l #	70
38) Carbon Tetrachloride	5.556	117	23764	6.213	ug/l #	15
39) Methylcyclohexane	7.123	83	23938	5.036	ug/l #	1
44) Trichloroethene	7.129	130	1785750	623.449	ug/l	93
45) 1,2-Dichloropropane	7.458	63	616	0.206	ug/l #	32
48) Methyl methacrylate	7.574	41	18059	4.982	ug/l #	48
49) 1,4-Dioxane	7.720	88	76	2.946	ug/l #	23
51) 4-Methyl-2-Pentanone	8.580	43	2047	0.484	ug/l	96
59) 2-Hexanone	9.427	43	296460	93.038	ug/l	98
74) N-amyl acetate	10.768	43	1349382	210.791	ug/l #	48
76) 1,2,3-Trichloropropane	11.079	75	105306	26.423	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	105306	85.157	ug/l #	8
93) 1,2,4-Trichlorobenzene	13.591	180	730	0.209	ug/l	87
94) Hexachlorobutadiene	13.725	225	430	0.310	ug/l	85

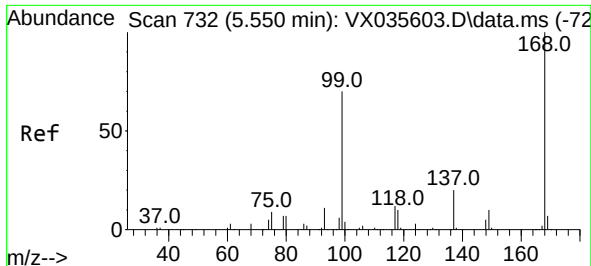
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

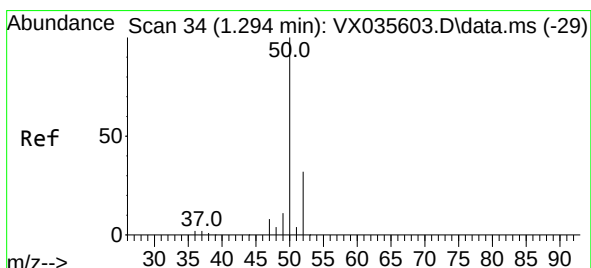
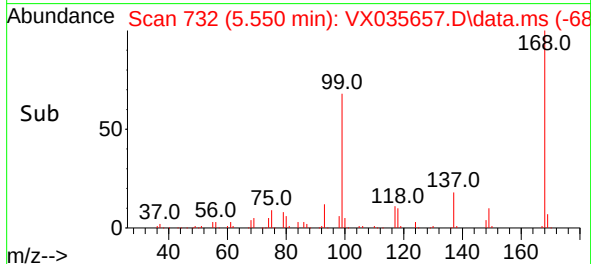
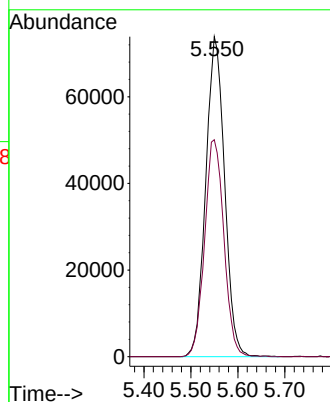
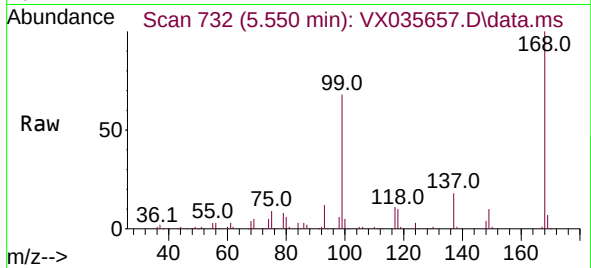




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX035657.D
Acq: 15 May 2023 12:07

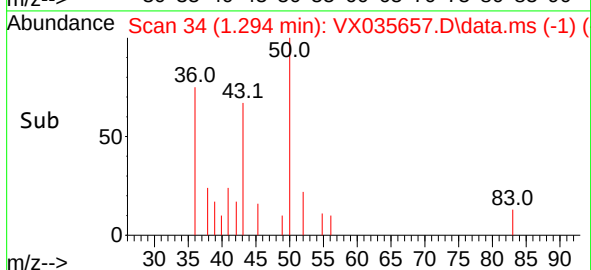
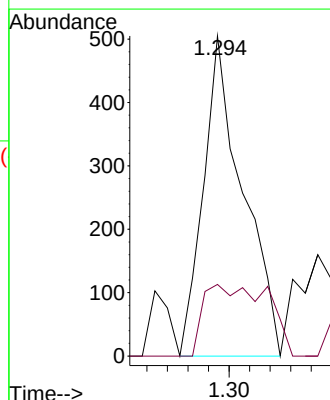
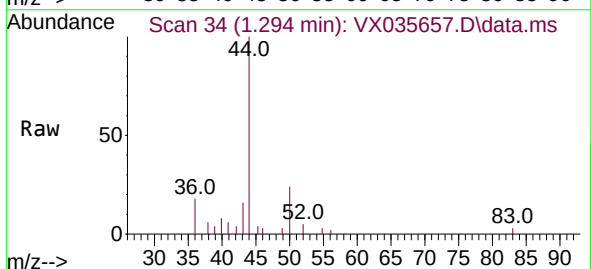
Instrument :
MSVOA_X
ClientSampleId :
FSND-PRO-07-99-05032023

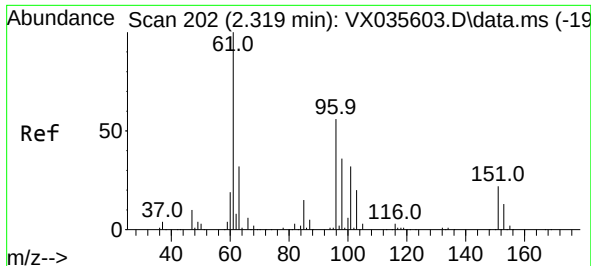
Tgt Ion:168 Resp: 205332
Ion Ratio Lower Upper
168 100
99 67.8 45.7 68.5



#3
Chloromethane
Concen: 0.207 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX035657.D
Acq: 15 May 2023 12:07

Tgt Ion: 50 Resp: 672
Ion Ratio Lower Upper
50 100
52 22.4 25.9 38.9#

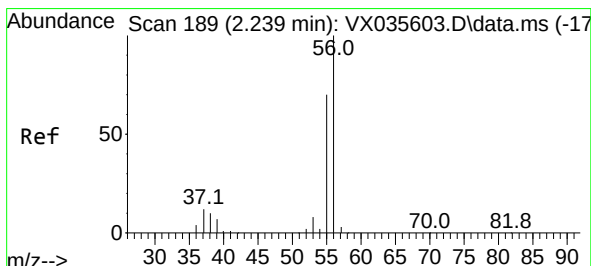
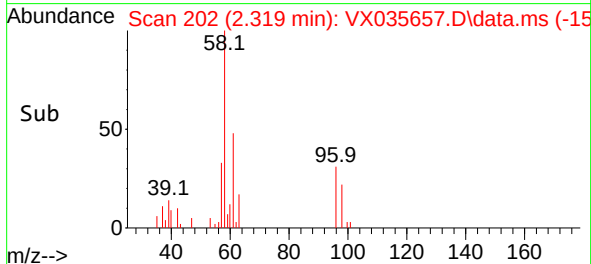
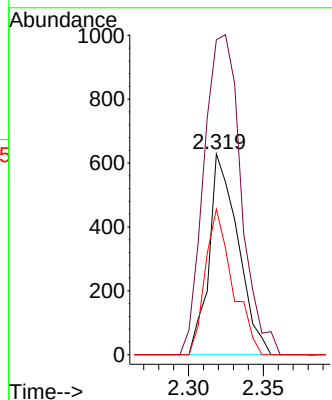
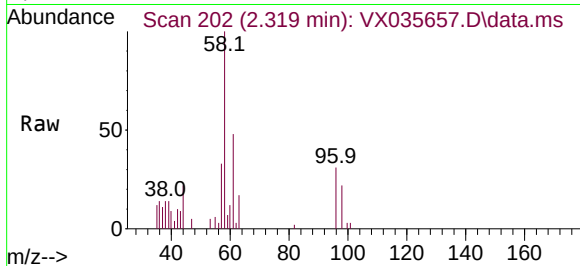




#12
1,1-Dichloroethene
Concen: 0.370 ug/l
RT: 2.319 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX035657.D
Acq: 15 May 2023 12:07

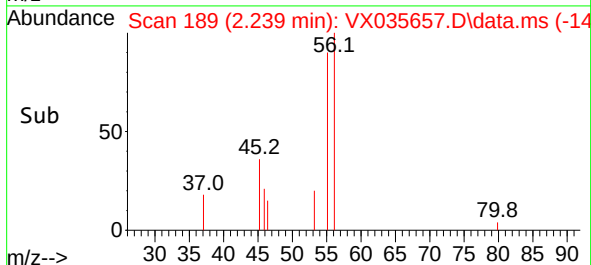
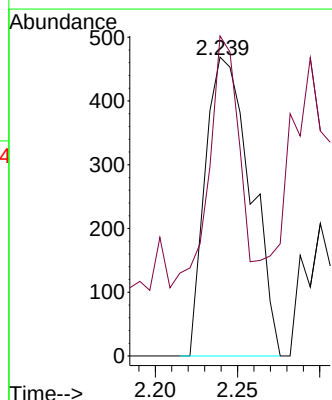
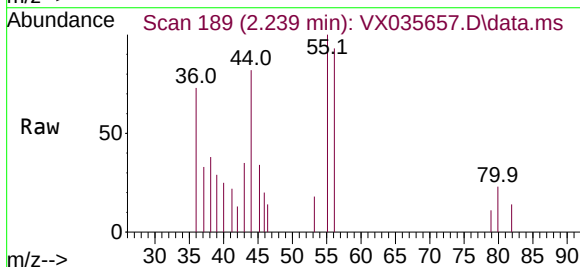
Instrument :
MSVOA_X
ClientSampleId :
FSND-PRO-07-99-05032023

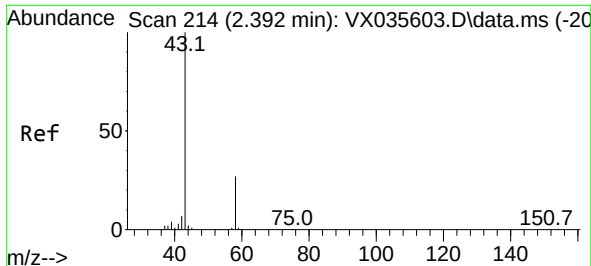
Tgt Ion: 96 Resp: 845
Ion Ratio Lower Upper
96 100
61 156.8 128.8 193.2
98 72.5 51.4 77.0



#13
Acrolein
Concen: 1.199 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX035657.D
Acq: 15 May 2023 12:07

Tgt Ion: 56 Resp: 899
Ion Ratio Lower Upper
56 100
55 90.1 56.6 85.0#

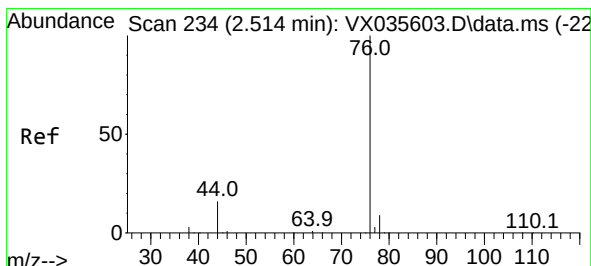
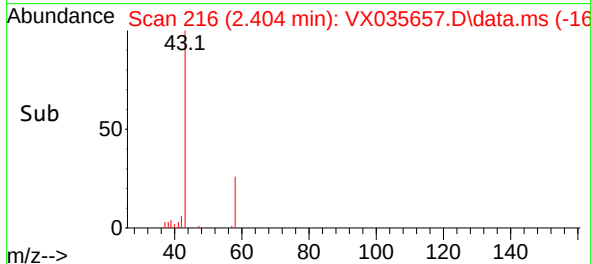
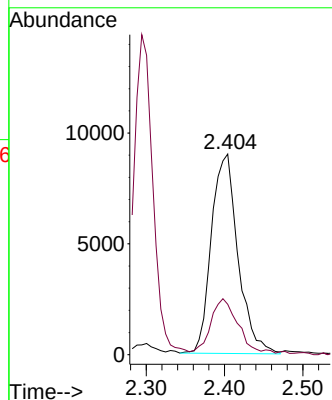
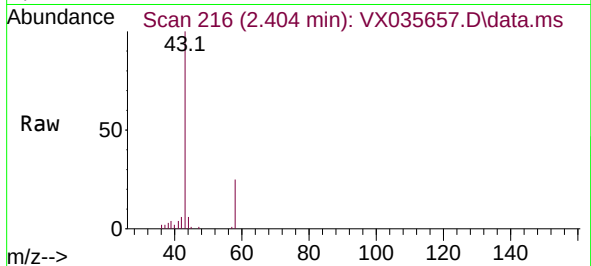




#16
Acetone
Concen: 13.820 ug/l
RT: 2.404 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX035657.D
Acq: 15 May 2023 12:07

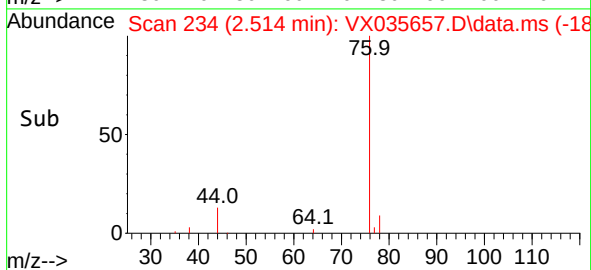
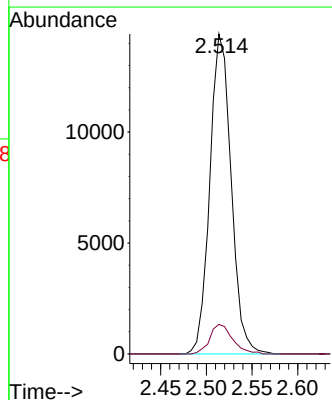
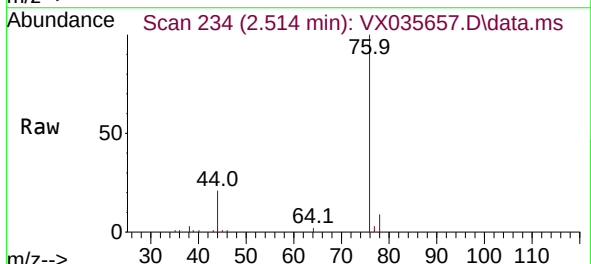
Instrument :
MSVOA_X
ClientSampleId :
FSND-PRO-07-99-05032023

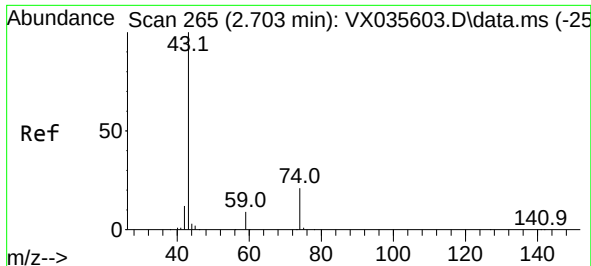
Tgt Ion: 43 Resp: 21277
Ion Ratio Lower Upper
43 100
58 23.9 24.7 37.1#



#17
Carbon Disulfide
Concen: 4.233 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX035657.D
Acq: 15 May 2023 12:07

Tgt Ion: 76 Resp: 23363
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8

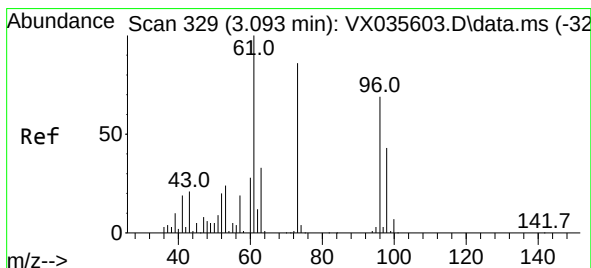
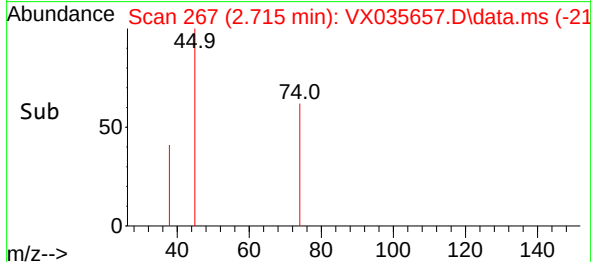
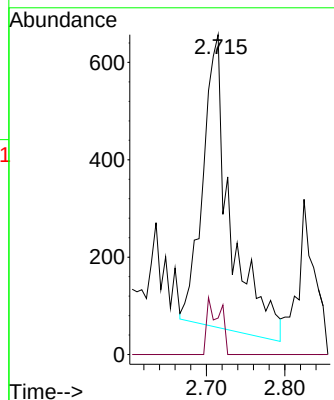
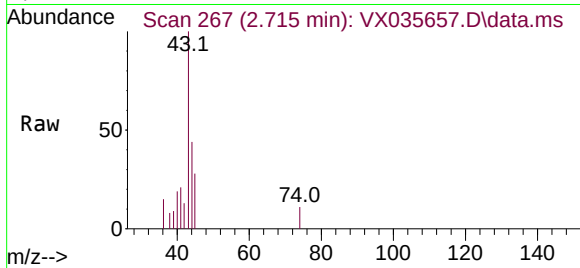




#18
Methyl Acetate
Concen: 0.257 ug/l
RT: 2.715 min Scan# 207
Delta R.T. 0.012 min
Lab File: VX035657.D
Acq: 15 May 2023 12:07

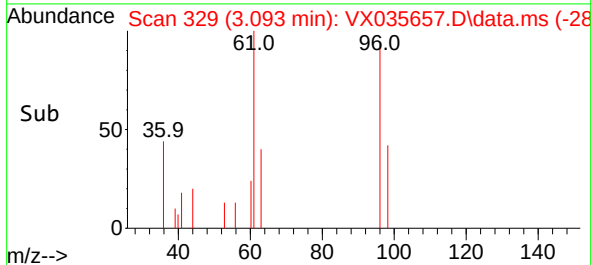
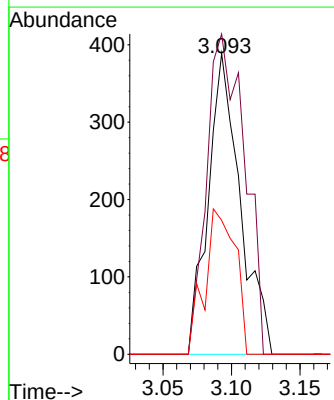
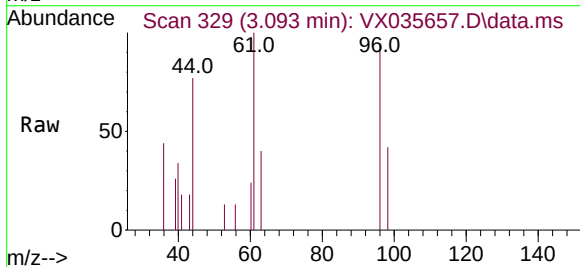
Instrument :
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ClientSampleId :
FSND-PRO-07-99-05032023

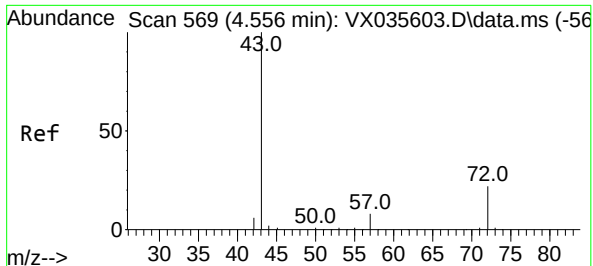
Tgt Ion: 43 Resp: 1458
Ion Ratio Lower Upper
43 100
74 9.1 18.3 27.5#



#21
trans-1,2-Dichloroethene
Concen: 0.253 ug/l
RT: 3.093 min Scan# 329
Delta R.T. -0.000 min
Lab File: VX035657.D
Acq: 15 May 2023 12:07

Tgt Ion: 96 Resp: 633
Ion Ratio Lower Upper
96 100
61 106.4 113.0 169.6#
98 44.5 52.1 78.1#

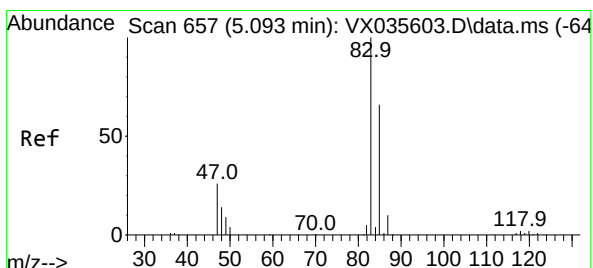
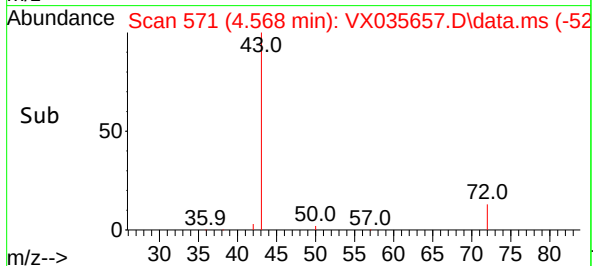
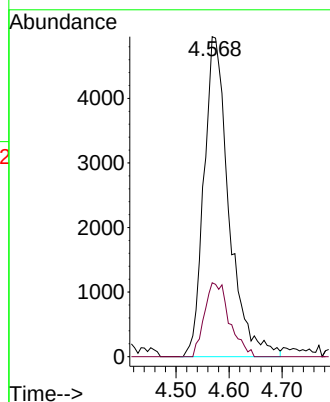
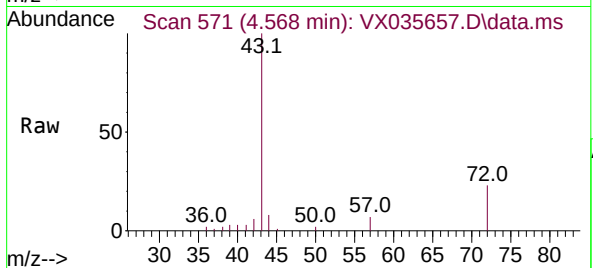




#25
2-Butanone
Concen: 7.620 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX035657.D
Acq: 15 May 2023 12:07

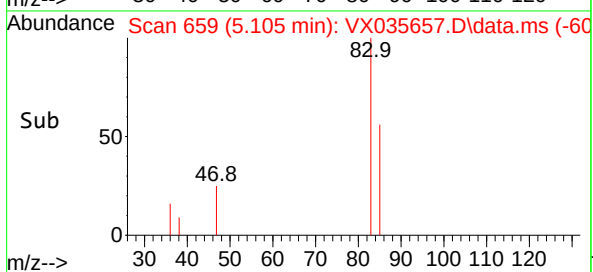
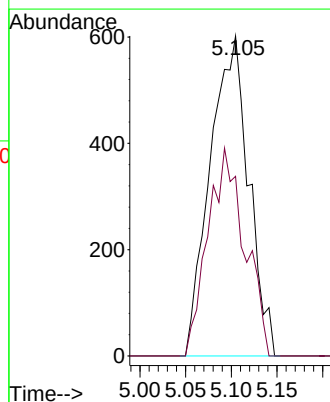
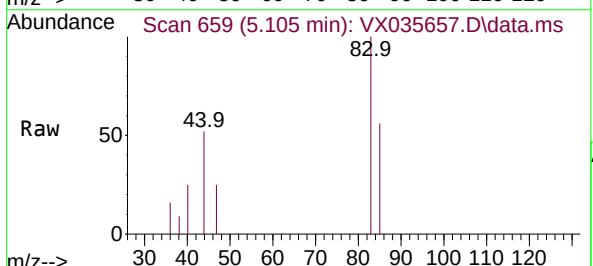
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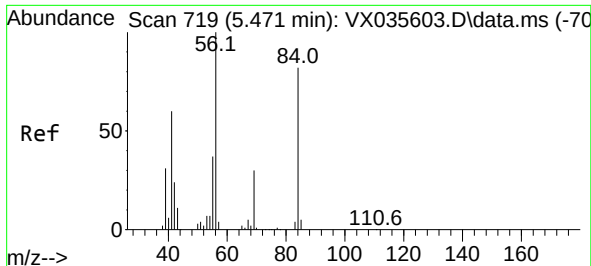
Tgt Ion: 43 Resp: 16240
Ion Ratio Lower Upper
43 100
72 23.1 19.3 28.9



#30
Chloroform
Concen: 0.336 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.012 min
Lab File: VX035657.D
Acq: 15 May 2023 12:07

Tgt Ion: 83 Resp: 1767
Ion Ratio Lower Upper
83 100
85 56.1 50.6 76.0

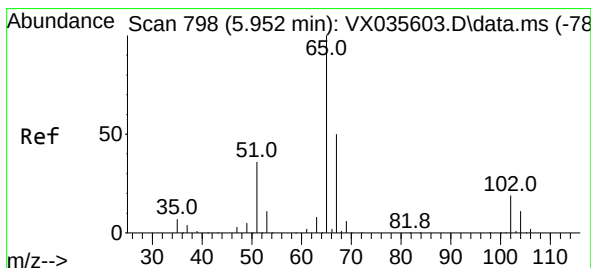
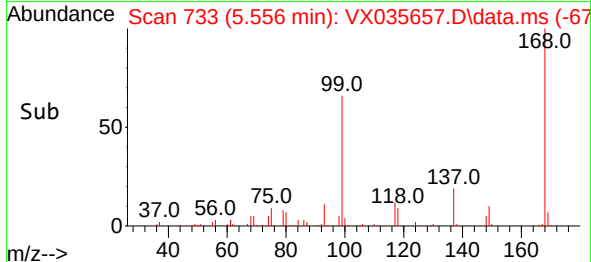
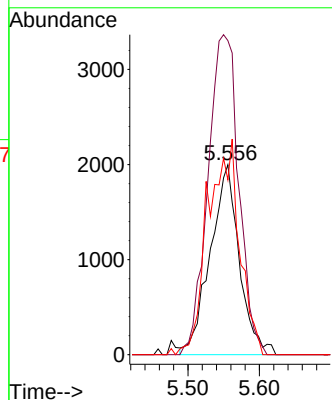
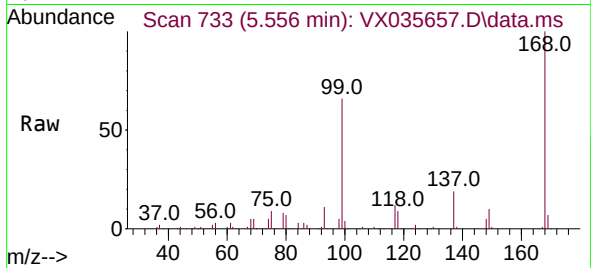




#31
Cyclohexane
Concen: 1.248 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX035657.D
Acq: 15 May 2023 12:07

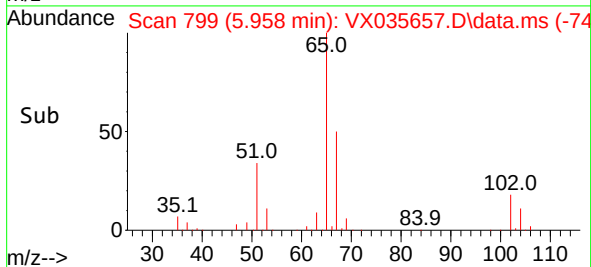
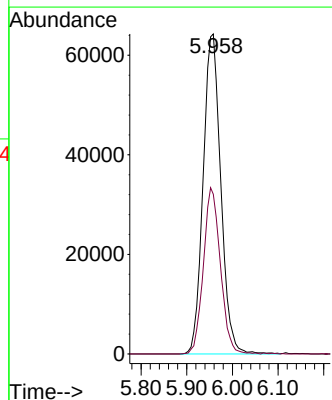
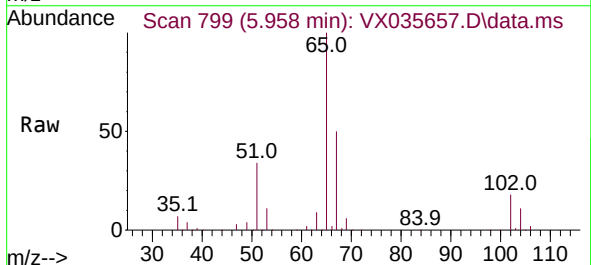
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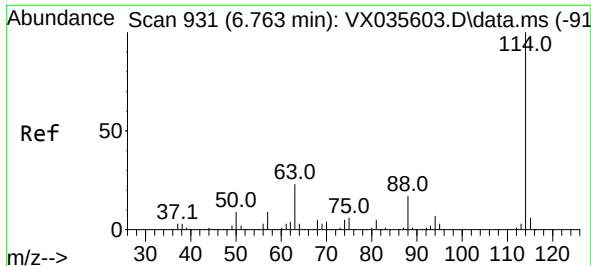
Tgt Ion: 56 Resp: 5647
Ion Ratio Lower Upper
56 100
69 165.3 23.7 35.5#
84 92.1 68.5 102.7



#33
1,2-Dichloroethane-d4
Concen: 48.172 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX035657.D
Acq: 15 May 2023 12:07

Tgt Ion: 65 Resp: 172557
Ion Ratio Lower Upper
65 100
67 49.9 0.0 104.0

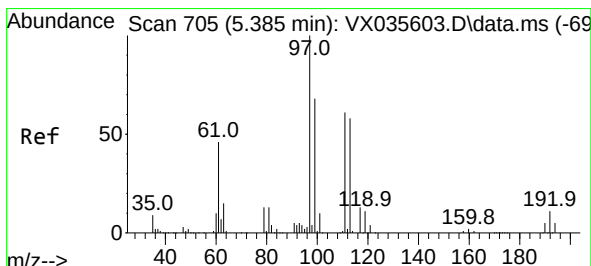
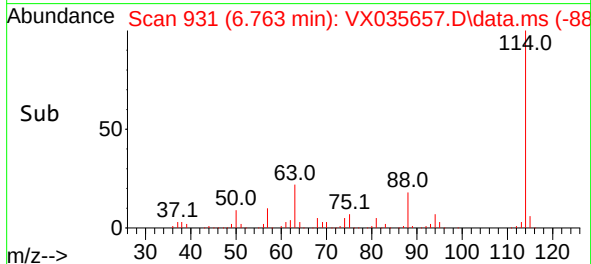
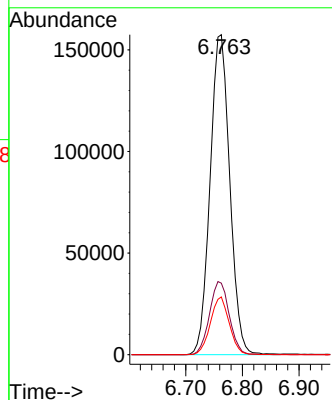
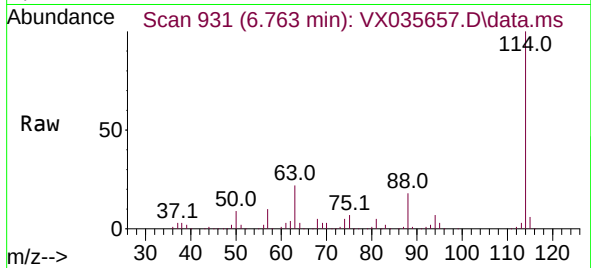




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX035657.D
Acq: 15 May 2023 12:07

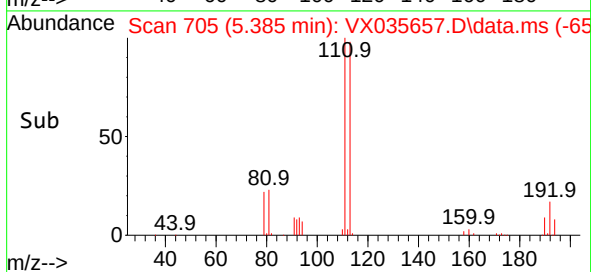
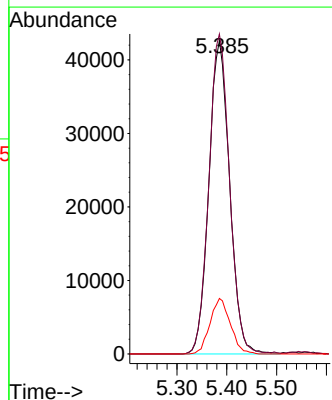
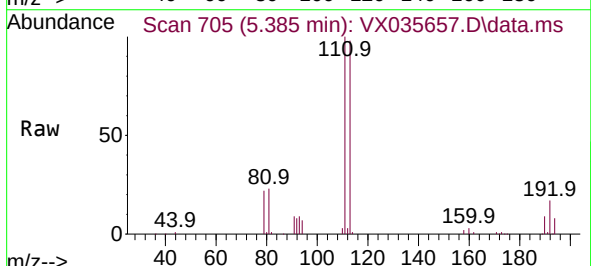
Instrument :
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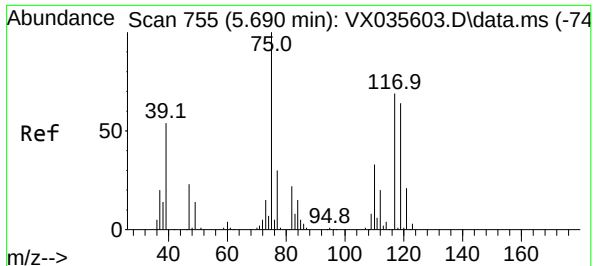
Tgt Ion:114 Resp: 379328
Ion Ratio Lower Upper
114 100
63 22.4 0.0 42.2
88 18.1 0.0 33.2



#35
Dibromofluoromethane
Concen: 48.252 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035657.D
Acq: 15 May 2023 12:07

Tgt Ion:113 Resp: 123438
Ion Ratio Lower Upper
113 100
111 101.5 83.7 125.5
192 17.3 15.4 23.2

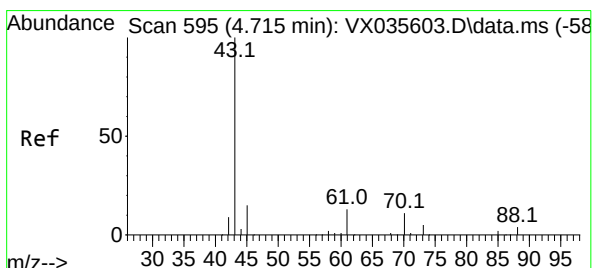
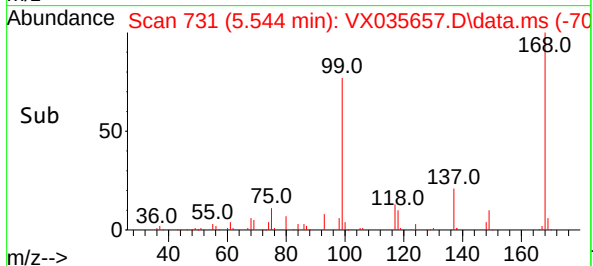
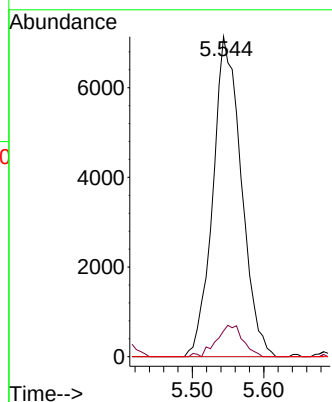
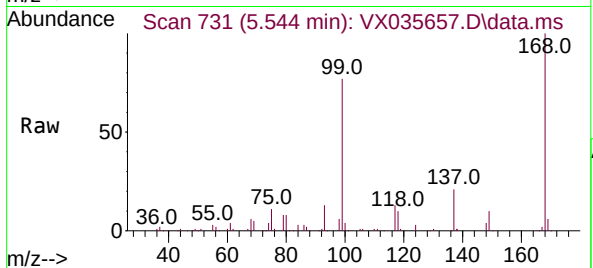




#36
1,1-Dichloropropene
Concen: 4.885 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX035657.D
Acq: 15 May 2023 12:07

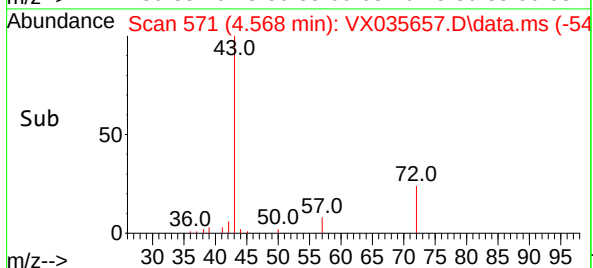
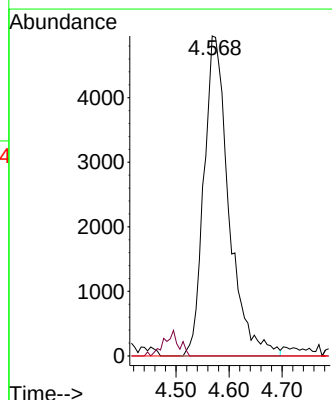
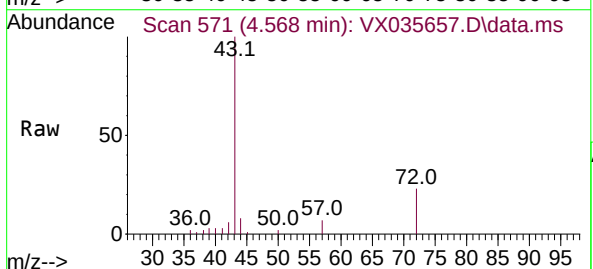
Instrument :
MSVOA_X
ClientSampleId :
FSND-PRO-07-99-05032023

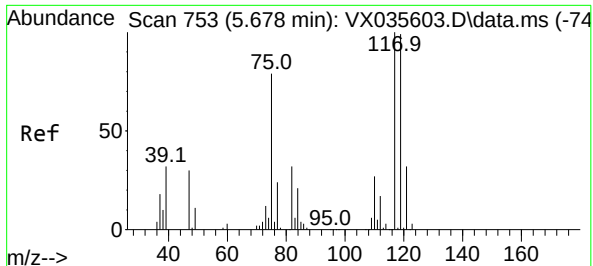
Tgt Ion: 75 Resp: 19726
Ion Ratio Lower Upper
75 100
110 9.2 17.5 52.5#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 3.856 ug/l
RT: 4.568 min Scan# 571
Delta R.T. -0.147 min
Lab File: VX035657.D
Acq: 15 May 2023 12:07

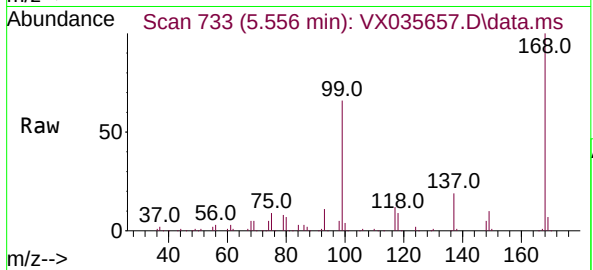
Tgt Ion: 43 Resp: 16240
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 0.0 8.2 12.4#



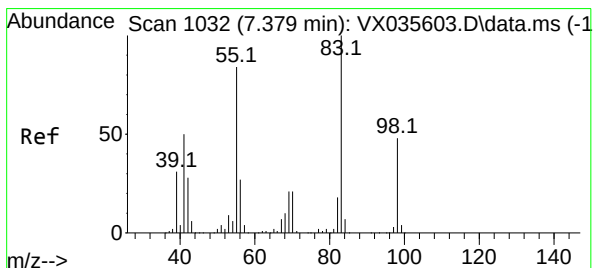
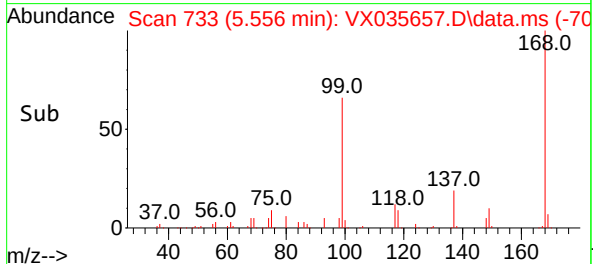
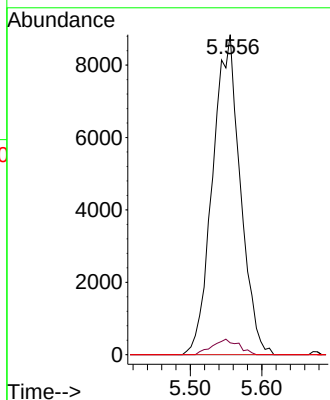


#38
Carbon Tetrachloride
Concen: 6.213 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX035657.D
Acq: 15 May 2023 12:07

Instrument :
MSVOA_X
ClientSampleId :
FSND-PRO-07-99-05032023

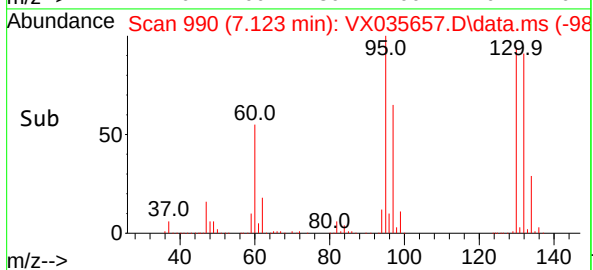
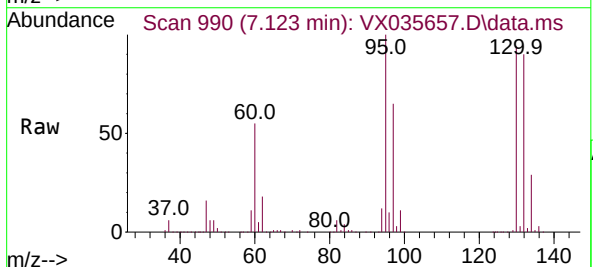
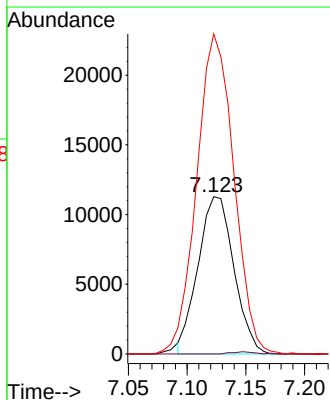


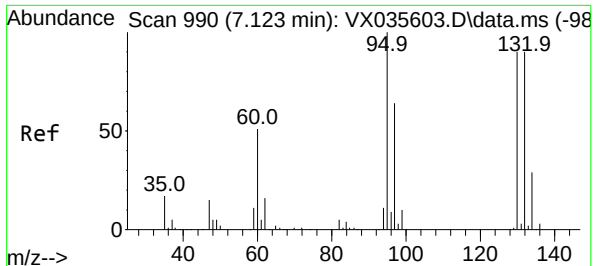
Tgt Ion:117 Resp: 23764
Ion Ratio Lower Upper
117 100
119 3.7 76.6 114.8#
121 0.0 23.8 35.6#



#39
Methylcyclohexane
Concen: 5.036 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX035657.D
Acq: 15 May 2023 12:07

Tgt Ion: 83 Resp: 23938
Ion Ratio Lower Upper
83 100
55 0.0 60.5 90.7#
98 202.5 40.4 60.6#

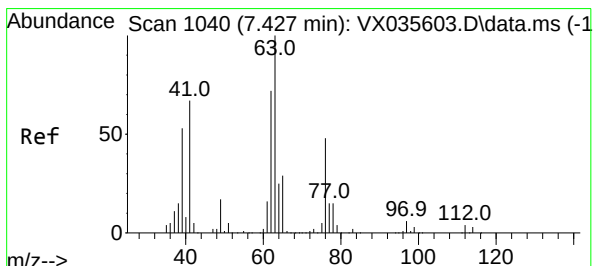
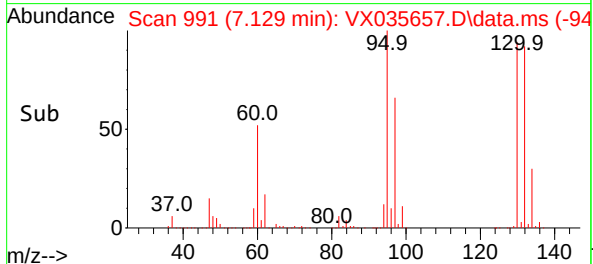
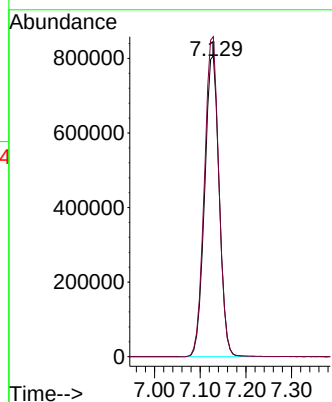
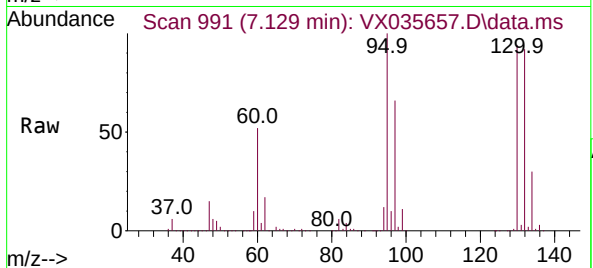




#44
Trichloroethene
Concen: 623.449 ug/l
RT: 7.129 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX035657.D
Acq: 15 May 2023 12:07

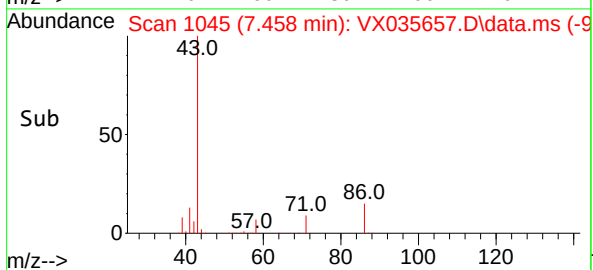
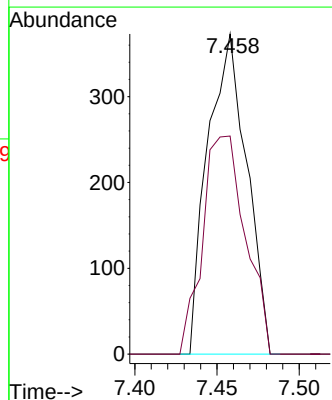
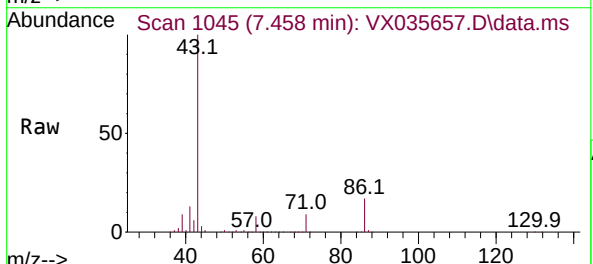
Instrument :
MSVOA_X
ClientSampleId :
FSND-PRO-07-99-05032023

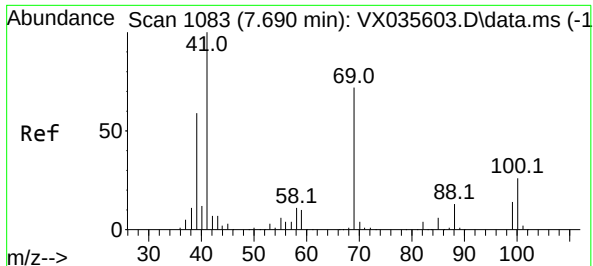
Tgt Ion:130 Resp: 1785750
Ion Ratio Lower Upper
130 100
95 106.4 0.0 198.4



#45
1,2-Dichloropropane
Concen: 0.206 ug/l
RT: 7.458 min Scan# 1045
Delta R.T. 0.031 min
Lab File: VX035657.D
Acq: 15 May 2023 12:07

Tgt Ion: 63 Resp: 616
Ion Ratio Lower Upper
63 100
65 68.1 24.6 37.0#





#48

Methyl methacrylate

Concen: 4.982 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. -0.116 min

Lab File: VX035657.D

Acq: 15 May 2023 12:07

Instrument :

MSVOA_X

ClientSampleId :

FSND-PRO-07-99-05032023

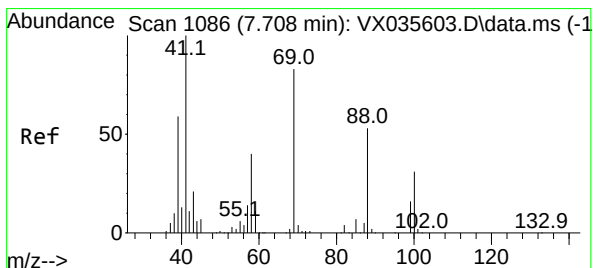
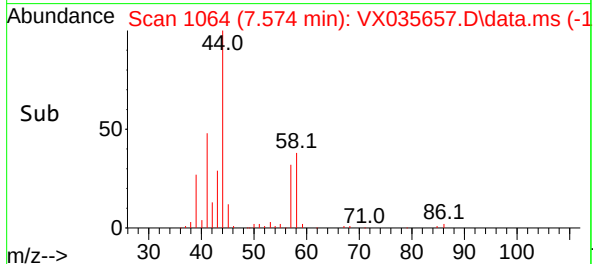
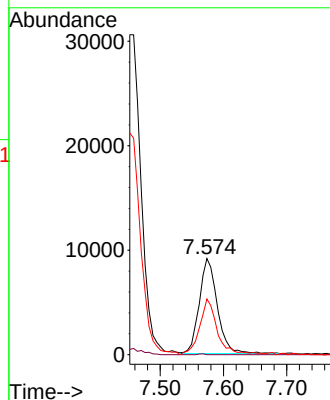
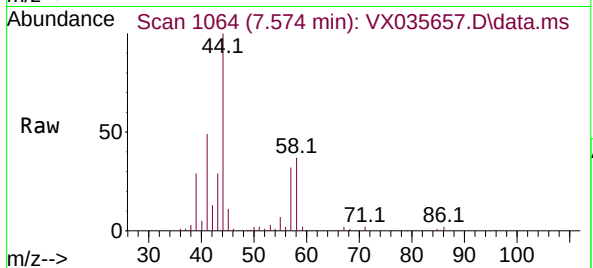
Tgt Ion: 41 Resp: 18059

Ion Ratio Lower Upper

41 100

69 0.3 62.2 93.4#

39 57.5 47.7 71.5



#49

1,4-Dioxane

Concen: 2.946 ug/l

RT: 7.720 min Scan# 1088

Delta R.T. 0.012 min

Lab File: VX035657.D

Acq: 15 May 2023 12:07

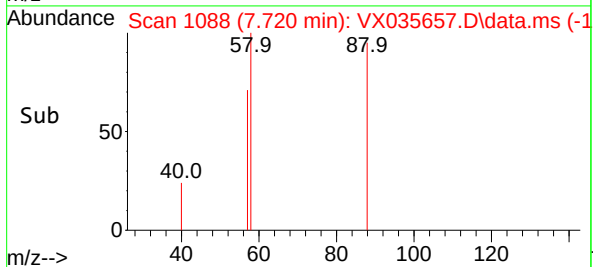
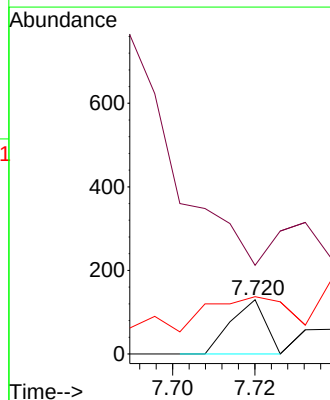
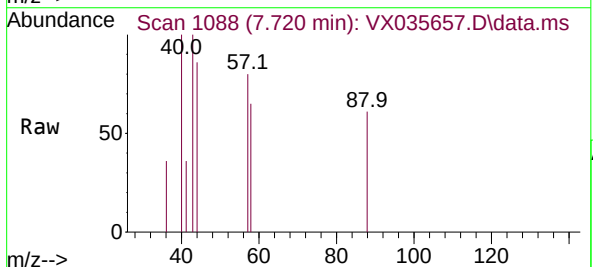
Tgt Ion: 88 Resp: 76

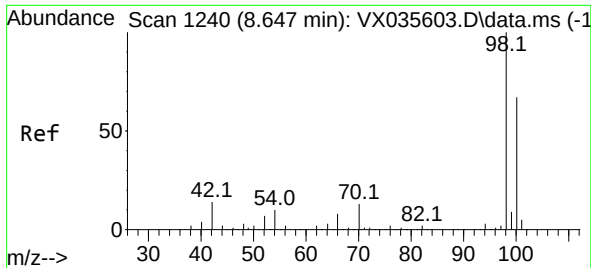
Ion Ratio Lower Upper

88 100

43 0.0 27.7 41.5#

58 0.0 56.8 85.2#

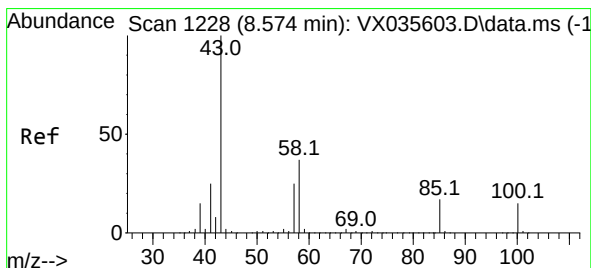
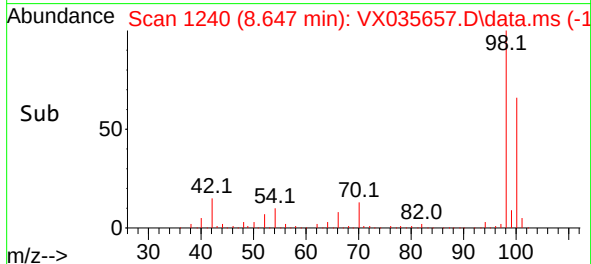
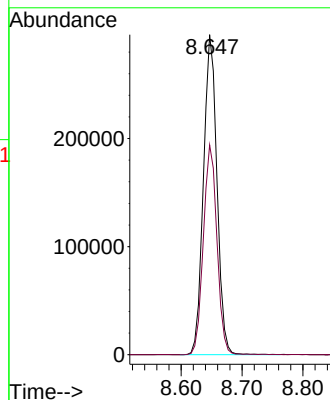
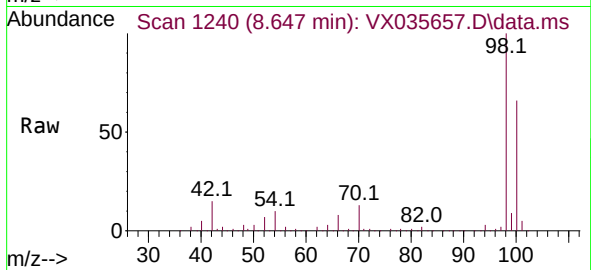




#50
Toluene-d8
Concen: 48.297 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035657.D
Acq: 15 May 2023 12:07

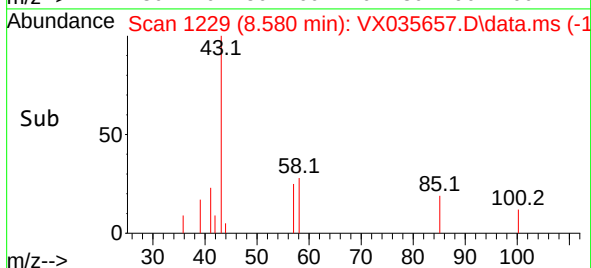
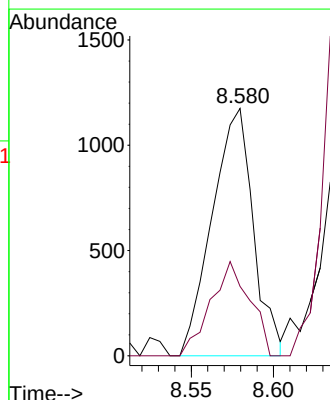
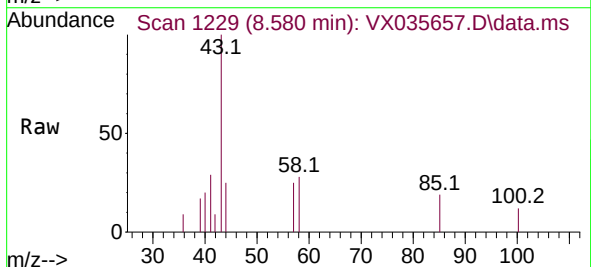
Instrument :
MSVOA_X
ClientSampleId :
FSND-PRO-07-99-05032023

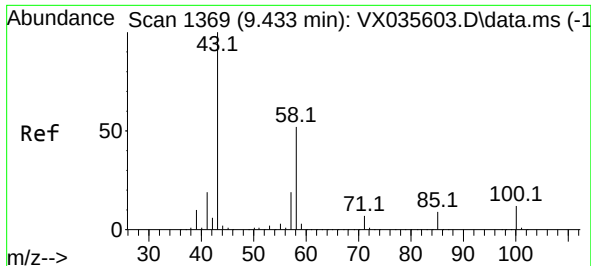
Tgt Ion: 98 Resp: 456430
Ion Ratio Lower Upper
98 100
100 65.9 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.484 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX035657.D
Acq: 15 May 2023 12:07

Tgt Ion: 43 Resp: 2047
Ion Ratio Lower Upper
43 100
58 36.2 30.6 46.0





#59

2-Hexanone

Concen: 93.038 ug/l

RT: 9.427 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX035657.D

Acq: 15 May 2023 12:07

Instrument :

MSVOA_X

ClientSampleId :

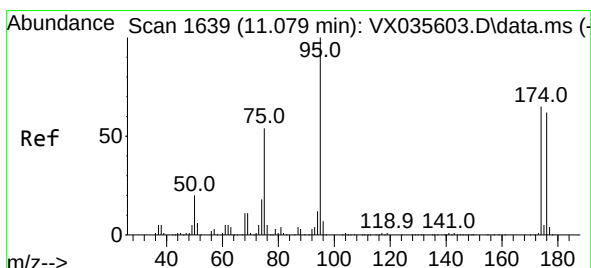
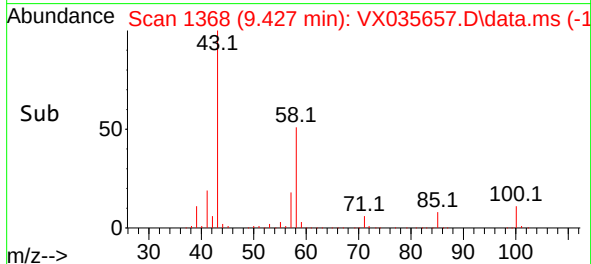
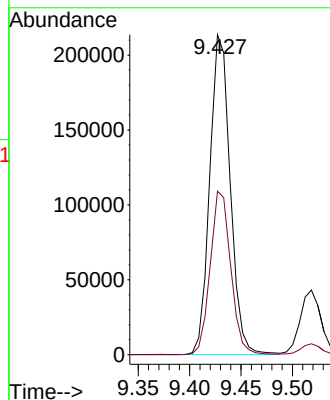
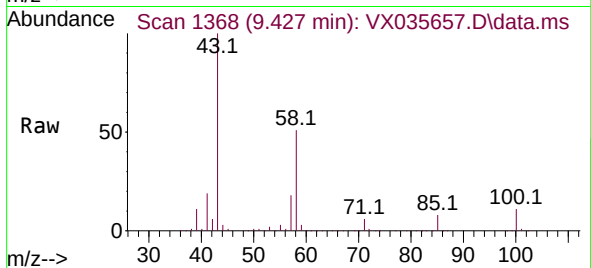
FSND-PRO-07-99-05032023

Tgt Ion: 43 Resp: 296460

Ion Ratio Lower Upper

43 100

58 51.3 26.3 78.9



#62

4-Bromofluorobenzene

Concen: 50.819 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX035657.D

Acq: 15 May 2023 12:07

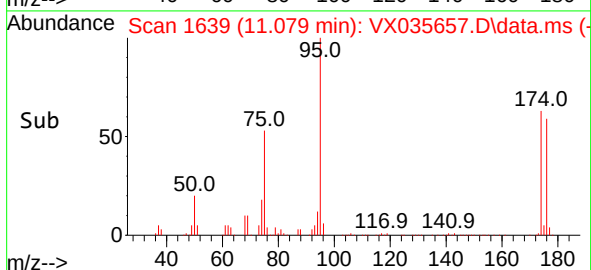
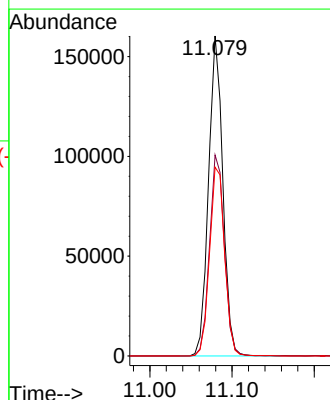
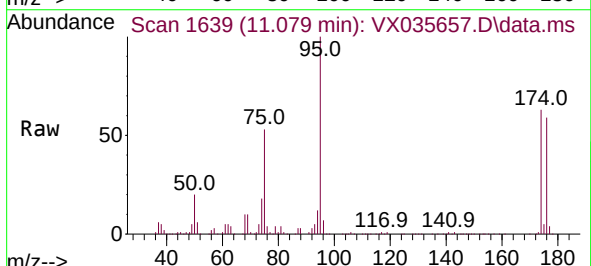
Tgt Ion: 95 Resp: 193375

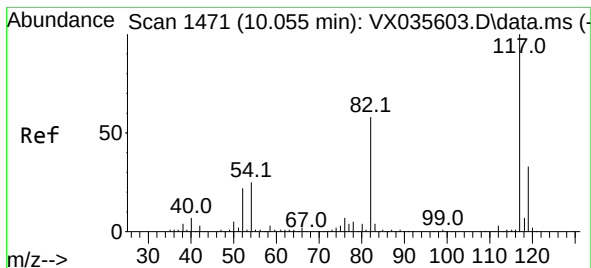
Ion Ratio Lower Upper

95 100

174 65.3 0.0 147.4

176 62.2 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: VX035657.D

Acq: 15 May 2023 12:07

Instrument :

MSVOA_X

ClientSampleId :

FSND-PRO-07-99-05032023

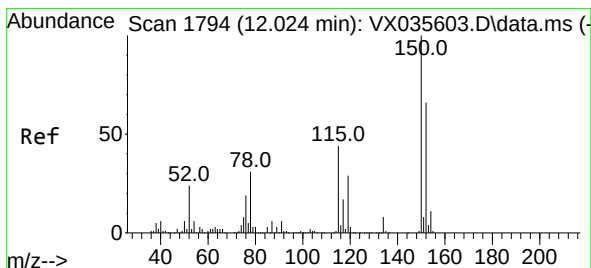
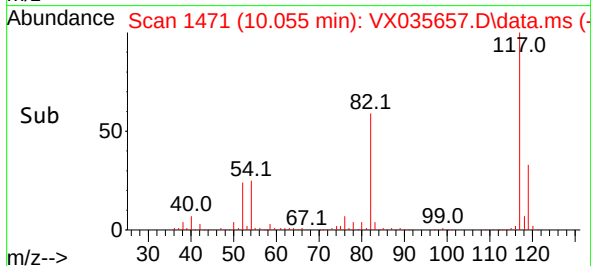
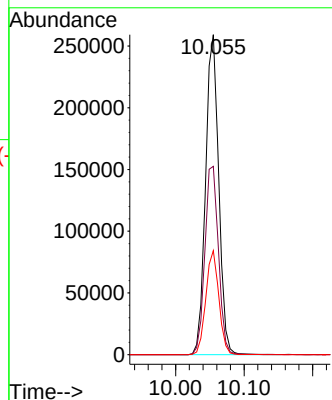
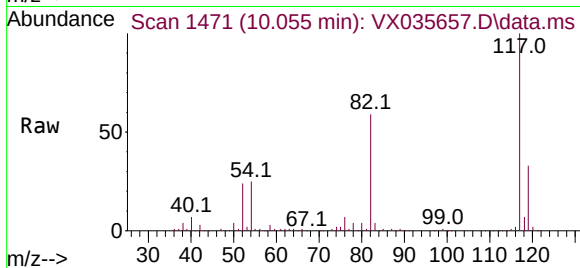
Tgt Ion:117 Resp: 345949

Ion Ratio Lower Upper

117 100

82 58.9 45.0 67.4

119 32.5 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: VX035657.D

Acq: 15 May 2023 12:07

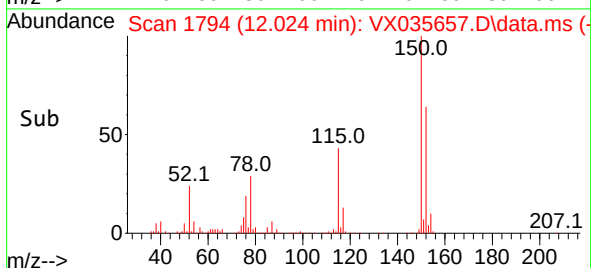
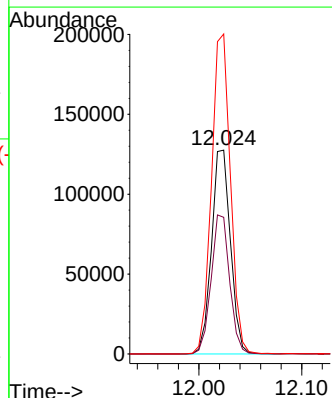
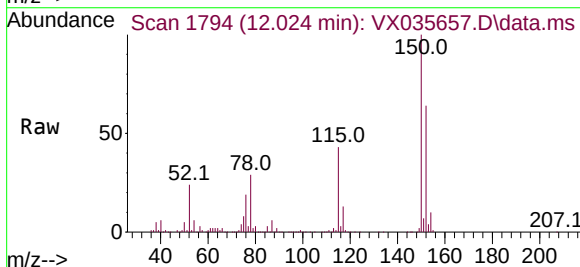
Tgt Ion:152 Resp: 162934

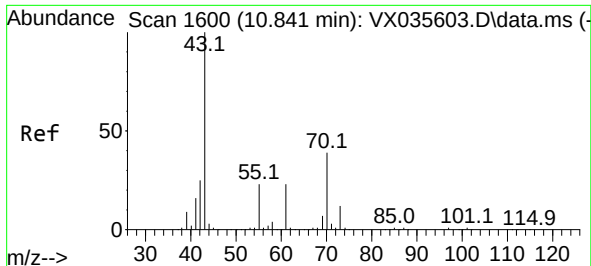
Ion Ratio Lower Upper

152 100

115 66.7 45.0 135.0

150 156.9 0.0 352.4

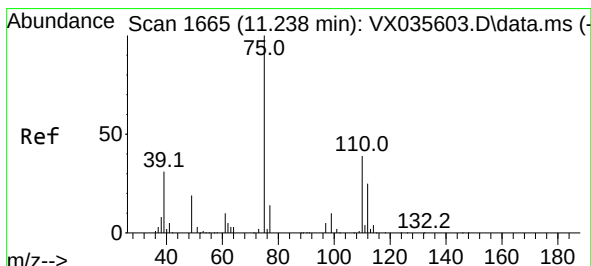
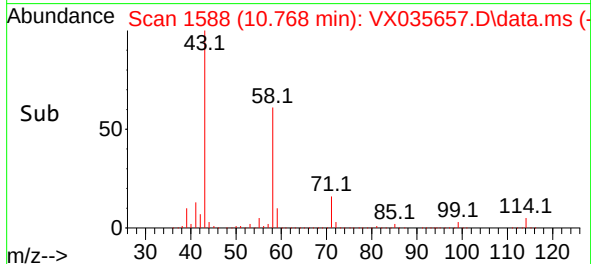
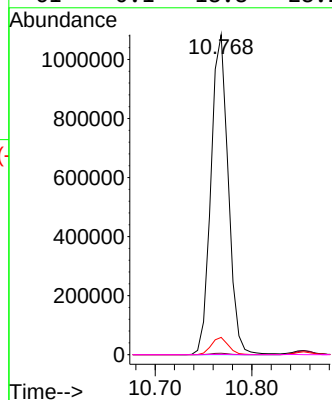
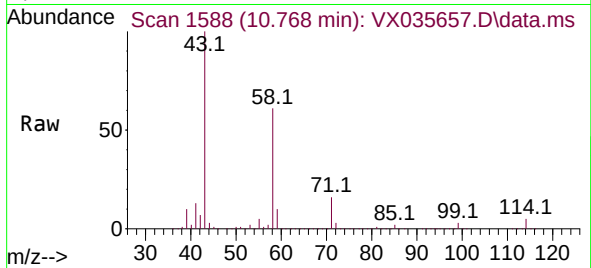




#74
N-amy1 acetate
Concen: 210.791 ug/l
RT: 10.768 min Scan# 1
Delta R.T. -0.073 min
Lab File: VX035657.D
Acq: 15 May 2023 12:07

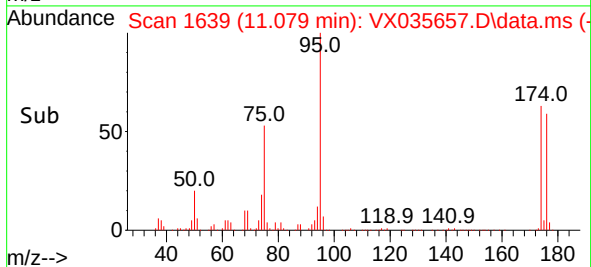
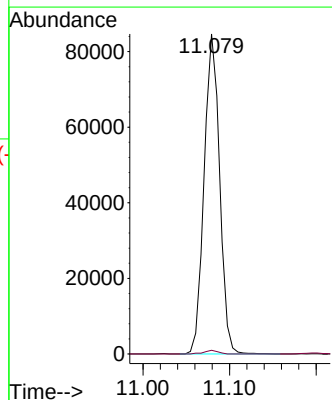
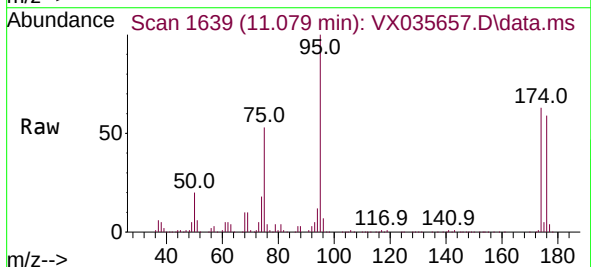
Instrument :
MSVOA_X
ClientSampleId :
FSND-PRO-07-99-05032023

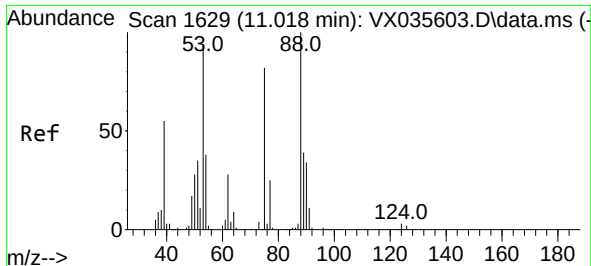
Tgt Ion: 43 Resp: 1349382
Ion Ratio Lower Upper
43 100
70 0.5 32.1 48.1#
55 5.3 18.3 27.5#
61 0.1 18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 26.423 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX035657.D
Acq: 15 May 2023 12:07

Tgt Ion: 75 Resp: 105306
Ion Ratio Lower Upper
75 100
77 1.0 21.6 64.8#

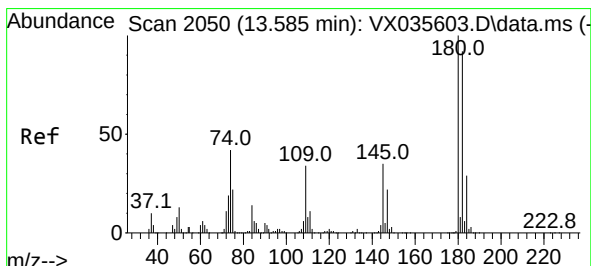
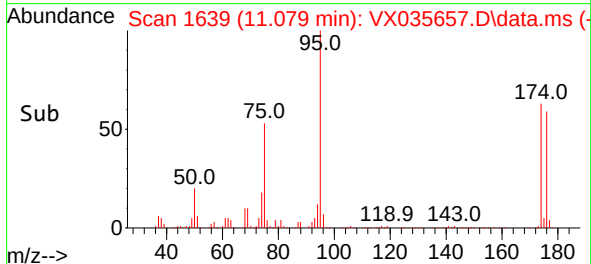
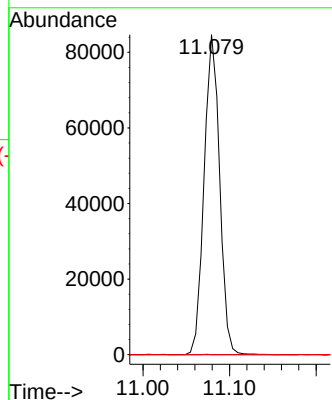
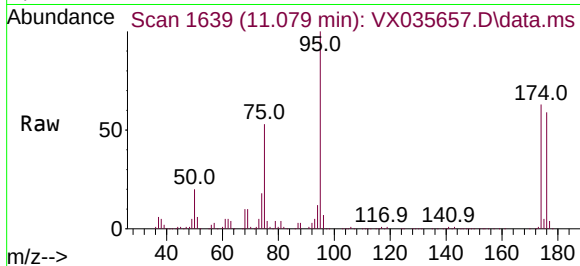




#81
trans-1,4-Dichloro-2-butene
Concen: 85.157 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX035657.D
Acq: 15 May 2023 12:07

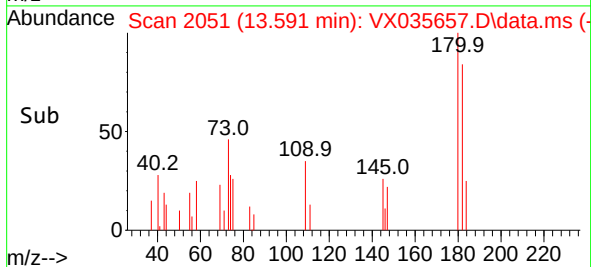
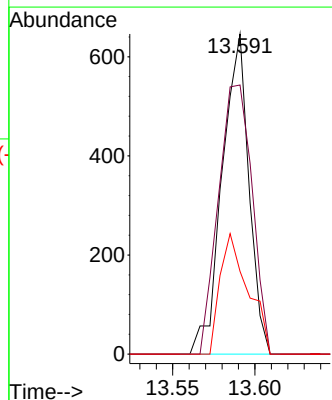
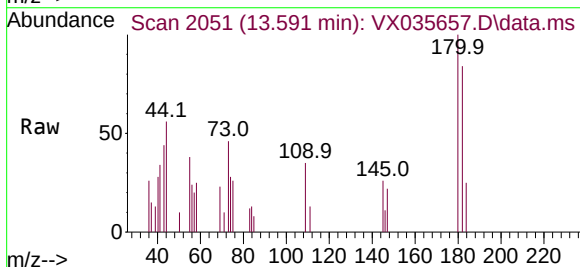
Instrument :
MSVOA_X
ClientSampleId :
FSND-PRO-07-99-05032023

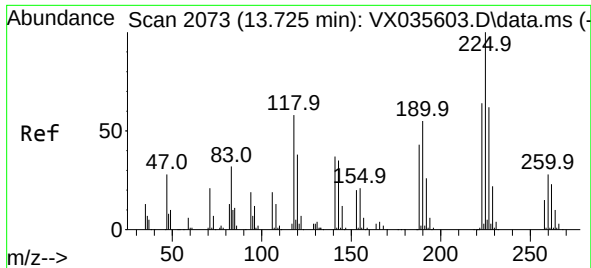
Tgt Ion: 75 Resp: 105306
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.1 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.209 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX035657.D
Acq: 15 May 2023 12:07

Tgt Ion:180 Resp: 730
Ion Ratio Lower Upper
180 100
182 106.2 47.0 141.0
145 39.6 15.9 47.7





#94

Hexachlorobutadiene

Concen: 0.310 ug/l

RT: 13.725 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX035657.D

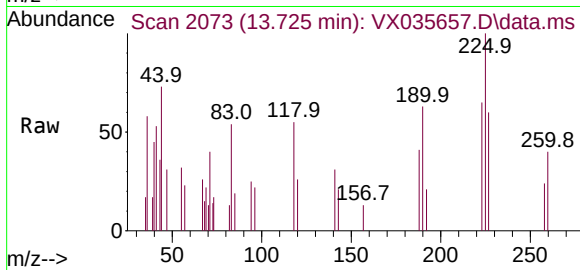
Acq: 15 May 2023 12:07

Instrument :

MSVOA_X

ClientSampleId :

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Tgt Ion:225 Resp: 430

Ion Ratio Lower Upper

225 100

223 70.0 32.1 96.5

227 81.4 31.8 95.4

