

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051923\
 Data File : VX035760.D
 Acq On : 19 May 2023 15:08
 Operator : JC/MD
 Sample : 02860-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-PRO-08-71-05112023

Quant Time: May 22 05:17:08 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)

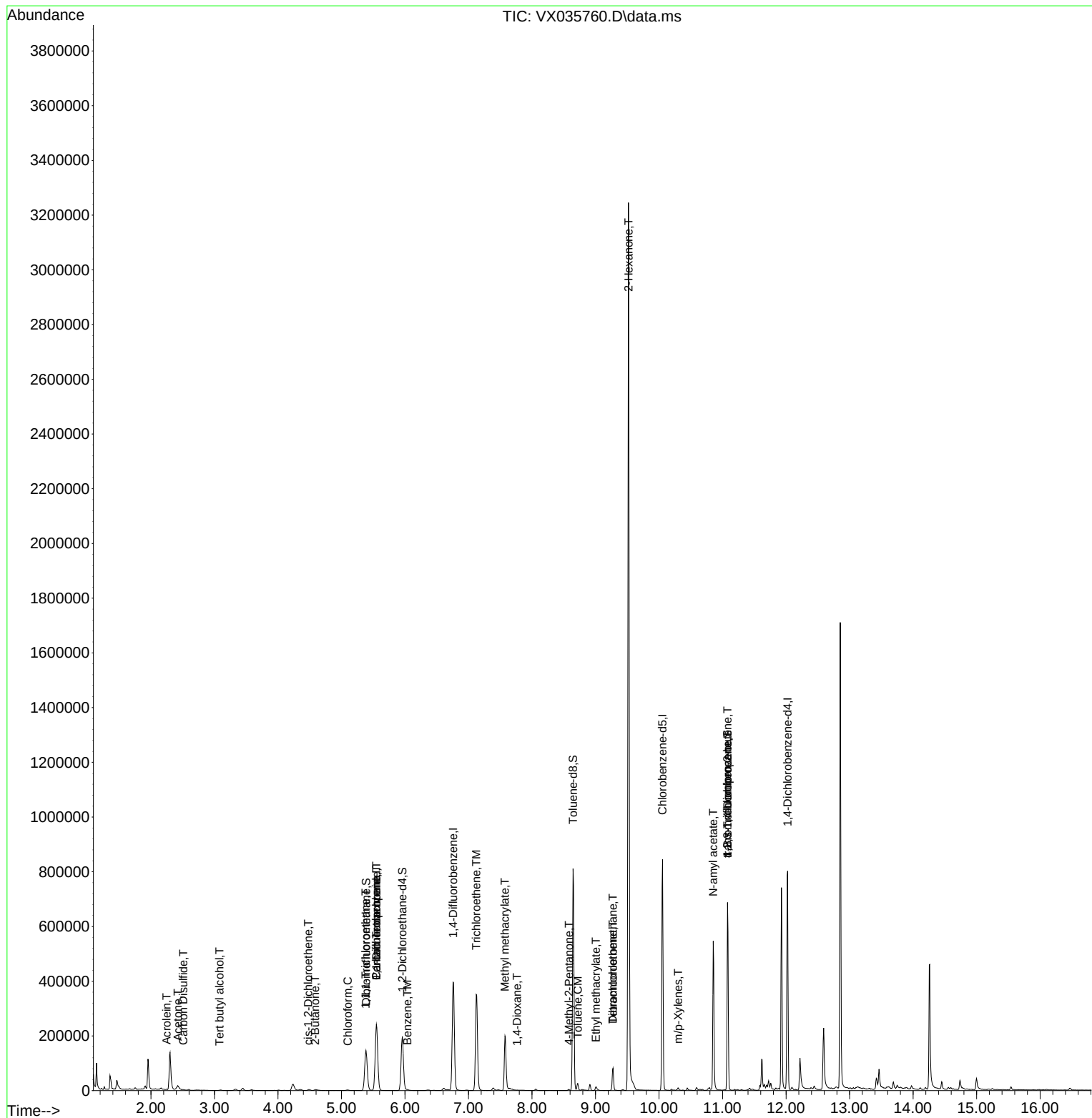
Internal Standards						
1) Pentafluorobenzene	5.549	168	203764	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	381307	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	340483	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	151269	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	196821	55.369	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 110.740%			
35) Dibromofluoromethane	5.385	113	122890	47.789	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.580%			
50) Toluene-d8	8.646	98	457478	48.156	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.320%			
62) 4-Bromofluorobenzene	11.079	95	181080	47.341	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.680%			
Target Compounds						
						Qvalue
11) Tert butyl alcohol	3.080	59	313	0.499	ug/l	# 73
13) Acrolein	2.245	56	3033	4.075	ug/l	# 81
16) Acetone	2.422	43	24478	16.022	ug/l	95
17) Carbon Disulfide	2.507	76	1825	0.333	ug/l	# 95
25) 2-Butanone	4.586	43	8185	3.870	ug/l	# 87
27) cis-1,2-Dichloroethene	4.476	96	1109	0.371	ug/l	# 5
30) Chloroform	5.098	83	2504	0.480	ug/l	89
32) 1,1,1-Trichloroethane	5.379	97	3819	0.841	ug/l	# 52
36) 1,1-Dichloropropene	5.549	75	20077	4.946	ug/l	# 46
38) Carbon Tetrachloride	5.549	117	23714	6.167	ug/l	# 16
40) Benzene	6.037	78	2883	0.254	ug/l	93
44) Trichloroethene	7.122	130	126694	44.002	ug/l	94
48) Methyl methacrylate	7.574	41	58873	16.159	ug/l	# 46
49) 1,4-Dioxane	7.762	88	19	2.236	ug/l	# 23
51) 4-Methyl-2-Pentanone	8.579	43	2630	0.618	ug/l	90
52) Toluene	8.720	92	9229	1.288	ug/l	99
56) Ethyl methacrylate	9.006	69	1646	0.361	ug/l	# 1
59) 2-Hexanone	9.518	43	461341	144.031	ug/l	# 47
60) Dibromochloromethane	9.274	129	13924	5.189	ug/l	# 10
64) Tetrachloroethene	9.274	164	13521	5.899	ug/l	95
68) m/p-Xylenes	10.299	106	1724	0.334	ug/l	75
74) N-amyl acetate	10.853	43	70951	11.938	ug/l	# 2
76) 1,2,3-Trichloropropane	11.079	75	97145	26.255	ug/l	# 34
81) trans-1,4-Dichloro-2-b...	11.079	75	97145	84.615	ug/l	# 8

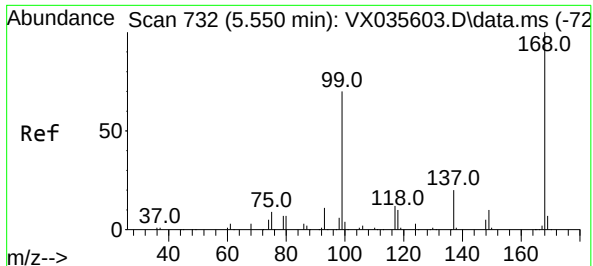
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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FSND-PRO-08-71-05112023

Quant Time: May 22 05:17:08 2023
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Quant Title : SW846 8260
QLast Update : Thu May 11 13:57:54 2023
Response via : Initial Calibration

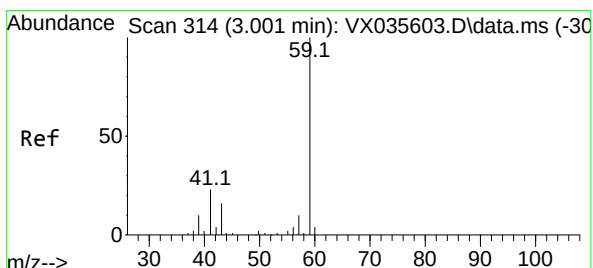
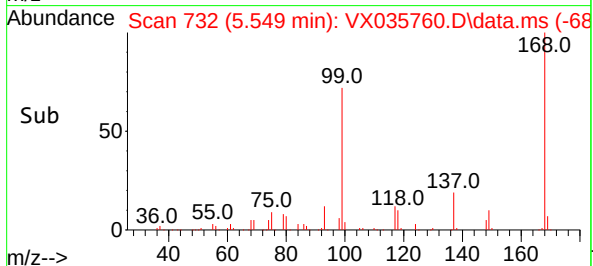
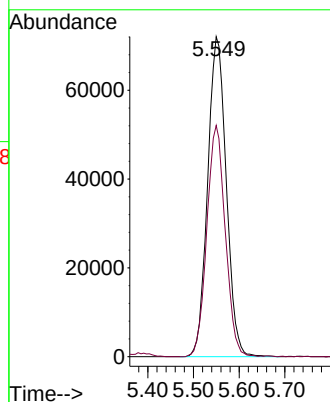
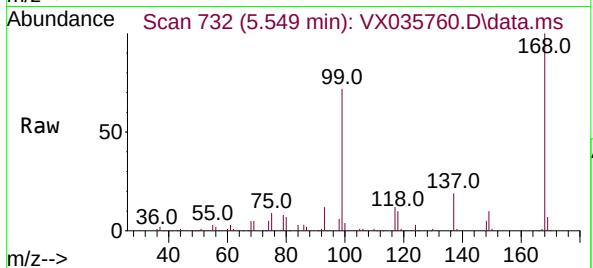




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX035760.D
Acq: 19 May 2023 15:08

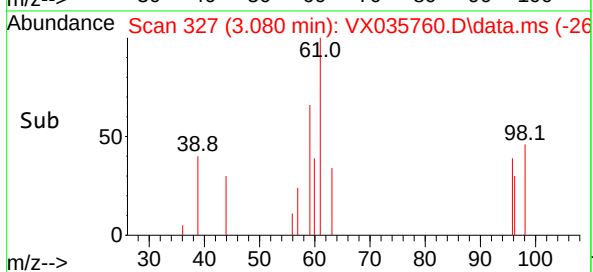
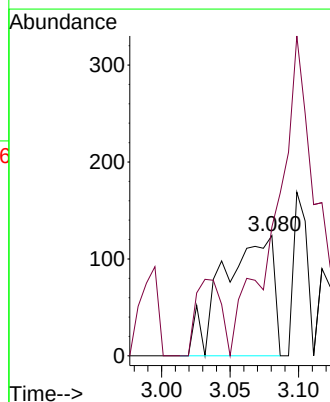
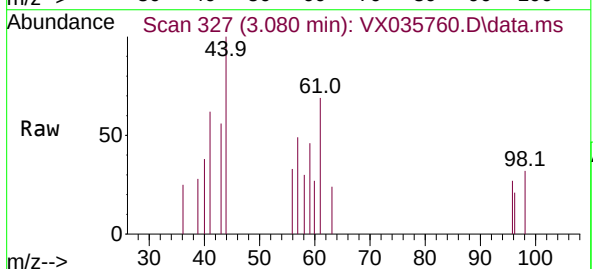
Instrument :
MSVOA_X
ClientSampleId :
FSND-PRO-08-71-05112023

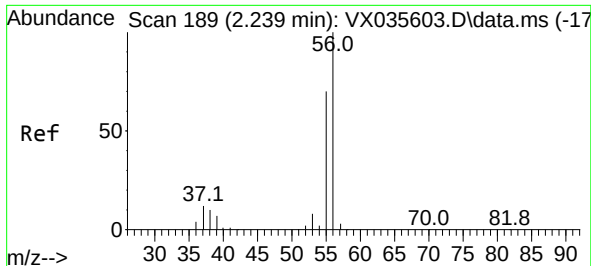
Tgt Ion:168 Resp: 203764
Ion Ratio Lower Upper
168 100
99 72.2 45.7 68.5#



#11
Tert butyl alcohol
Concen: 0.499 ug/l
RT: 3.080 min Scan# 327
Delta R.T. 0.079 min
Lab File: VX035760.D
Acq: 19 May 2023 15:08

Tgt Ion: 59 Resp: 313
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

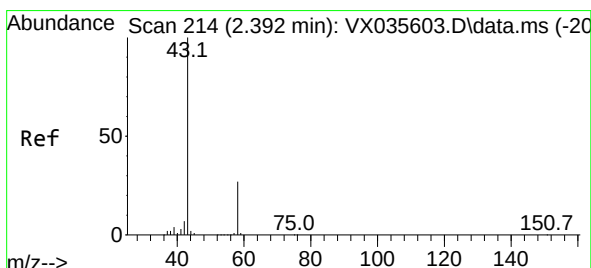
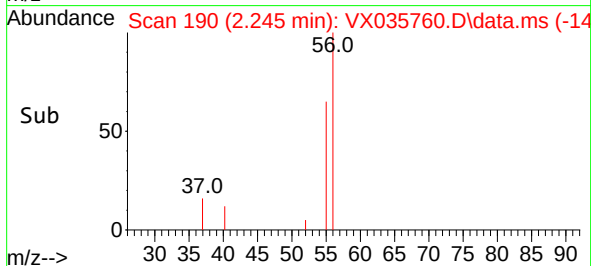
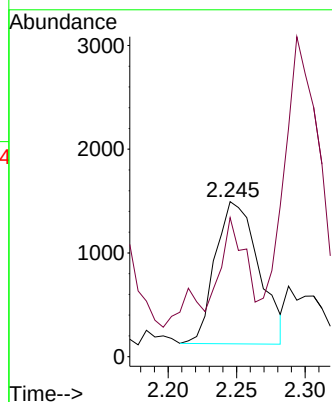
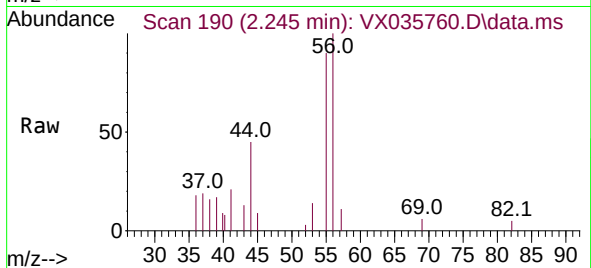




#13
Acrolein
Concen: 4.075 ug/l
RT: 2.245 min Scan# 19
Delta R.T. 0.006 min
Lab File: VX035760.D
Acq: 19 May 2023 15:08

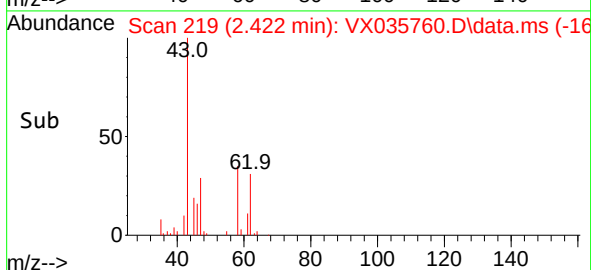
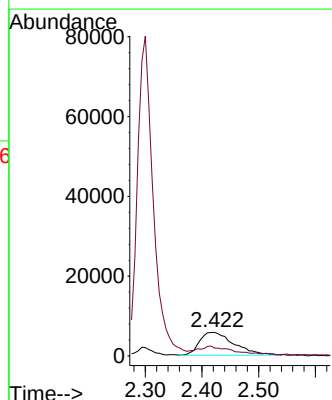
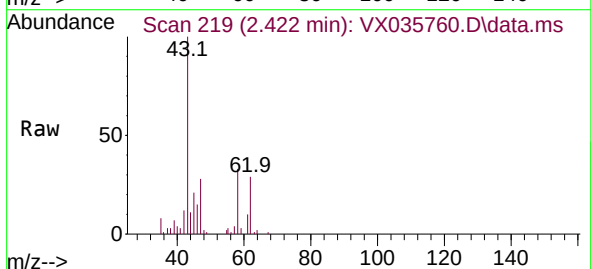
Instrument :
MSVOA_X
ClientSampleId :
FSND-PRO-08-71-05112023

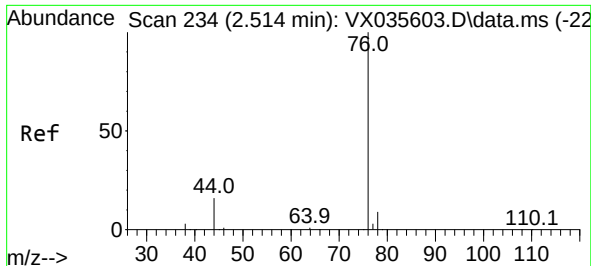
Tgt Ion: 56 Resp: 3033
Ion Ratio Lower Upper
56 100
55 55.3 56.6 85.0#



#16
Acetone
Concen: 16.022 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.030 min
Lab File: VX035760.D
Acq: 19 May 2023 15:08

Tgt Ion: 43 Resp: 24478
Ion Ratio Lower Upper
43 100
58 28.4 24.7 37.1





#17

Carbon Disulfide

Concen: 0.333 ug/l

RT: 2.507 min Scan# 21

Delta R.T. -0.007 min

Lab File: VX035760.D

Acq: 19 May 2023 15:08

Instrument :

MSVOA_X

ClientSampleId :

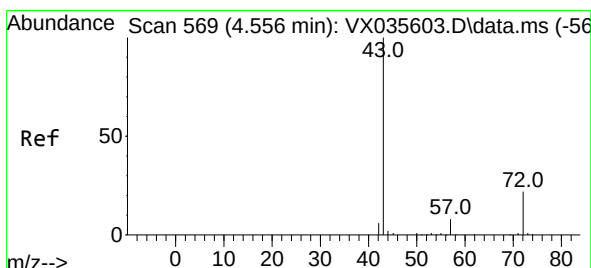
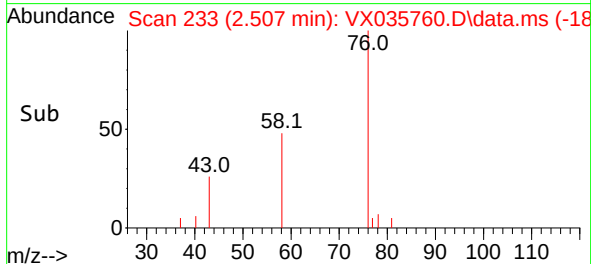
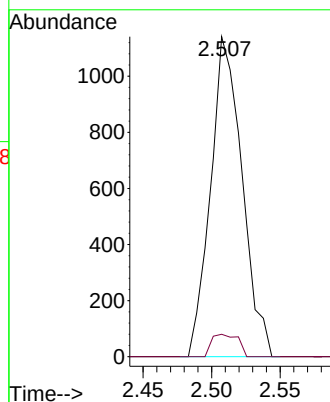
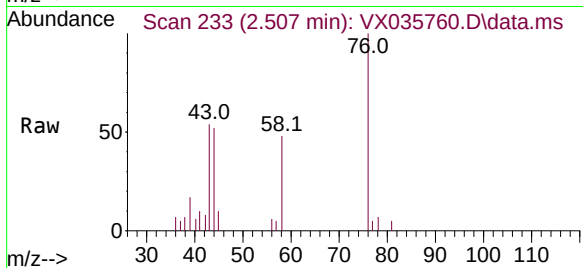
FSND-PRO-08-71-05112023

Tgt Ion: 76 Resp: 1825

Ion Ratio Lower Upper

76 100

78 7.0 7.2 10.8#



#25

2-Butanone

Concen: 3.870 ug/l

RT: 4.586 min Scan# 574

Delta R.T. 0.030 min

Lab File: VX035760.D

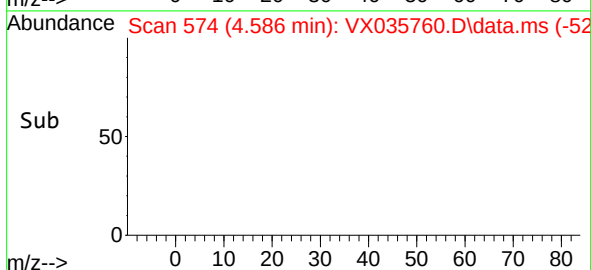
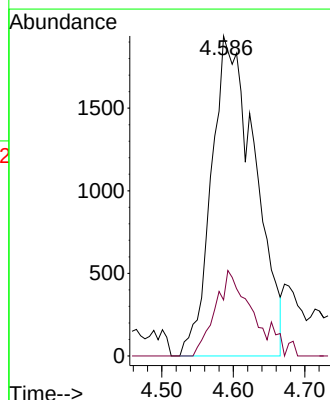
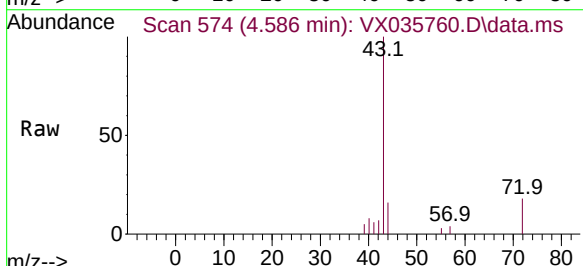
Acq: 19 May 2023 15:08

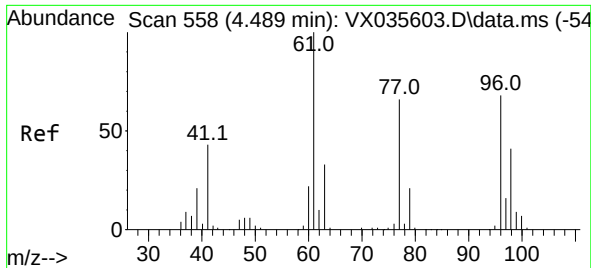
Tgt Ion: 43 Resp: 8185

Ion Ratio Lower Upper

43 100

72 17.5 19.3 28.9#





#27

cis-1,2-Dichloroethene

Concen: 0.371 ug/l

RT: 4.476 min Scan# 558

Delta R.T. -0.013 min

Lab File: VX035760.D

Acq: 19 May 2023 15:08

Instrument :

MSVOA_X

ClientSampleId :

FSND-PRO-08-71-05112023

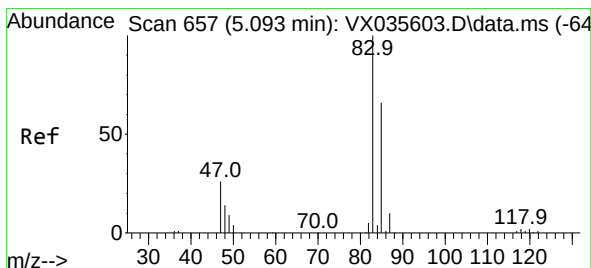
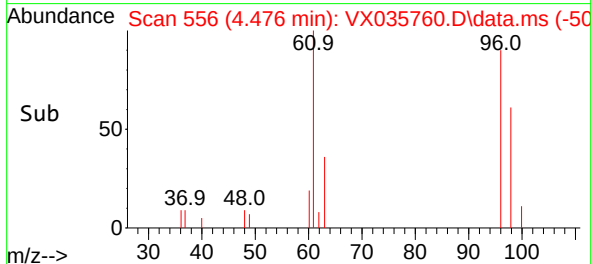
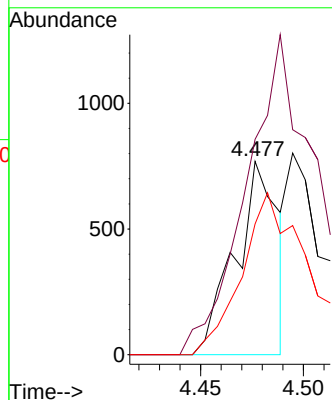
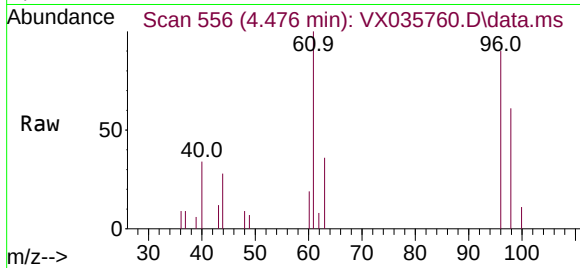
Tgt Ion: 96 Resp: 1109

Ion Ratio Lower Upper

96 100

61 271.5 0.0 300.4

98 138.7 0.0 129.0#



#30

Chloroform

Concen: 0.480 ug/l

RT: 5.098 min Scan# 658

Delta R.T. 0.005 min

Lab File: VX035760.D

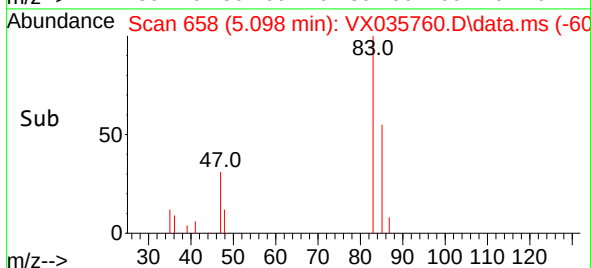
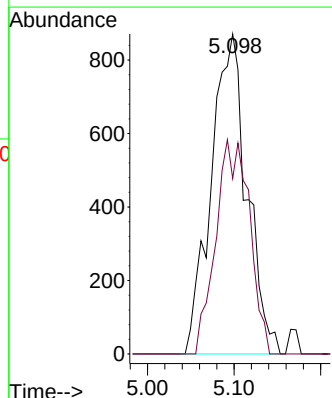
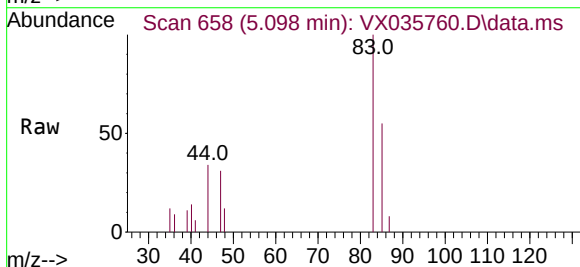
Acq: 19 May 2023 15:08

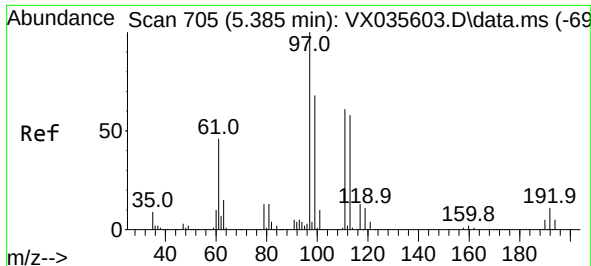
Tgt Ion: 83 Resp: 2504

Ion Ratio Lower Upper

83 100

85 54.9 50.6 76.0

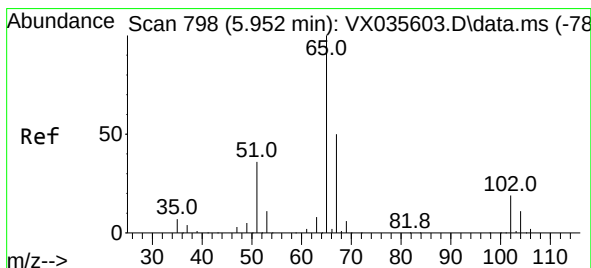
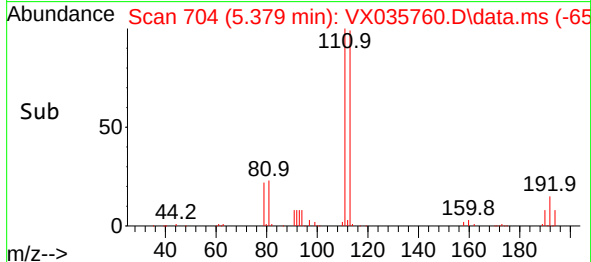
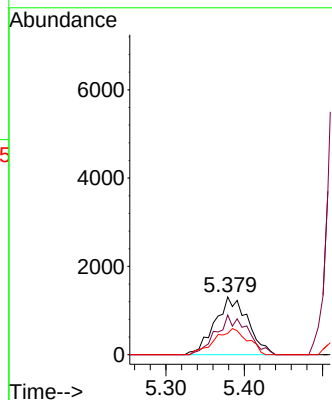
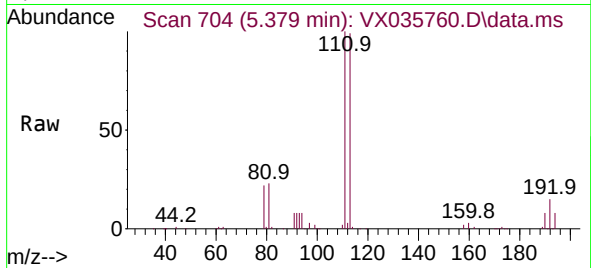




#32
1,1,1-Trichloroethane
Concen: 0.841 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX035760.D
Acq: 19 May 2023 15:08

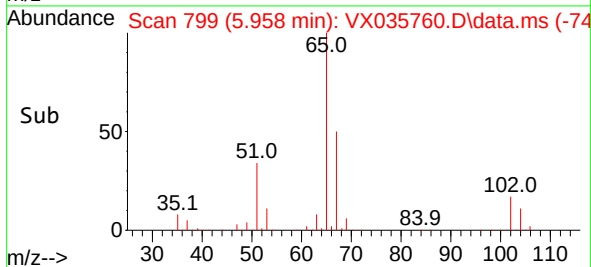
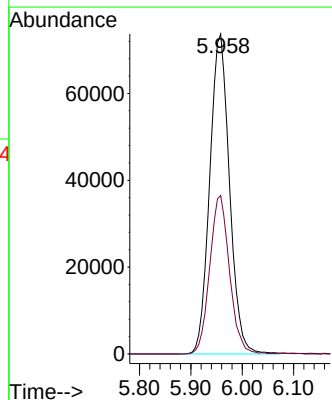
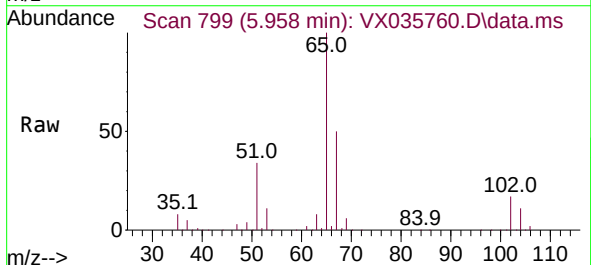
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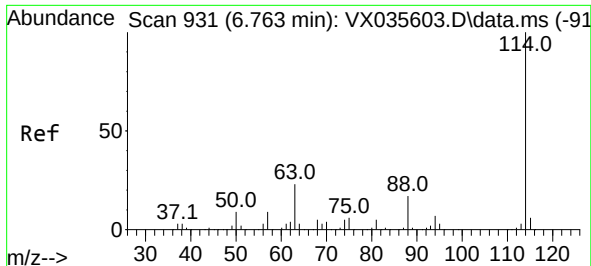
Tgt Ion: 97 Resp: 3819
Ion Ratio Lower Upper
97 100
99 0.0 51.1 76.7#
61 45.0 36.5 54.7



#33
1,2-Dichloroethane-d4
Concen: 55.369 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX035760.D
Acq: 19 May 2023 15:08

Tgt Ion: 65 Resp: 196821
Ion Ratio Lower Upper
65 100
67 49.5 0.0 104.0

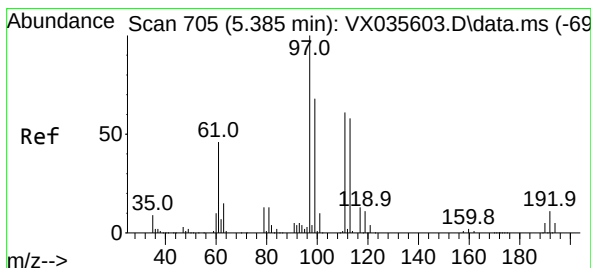
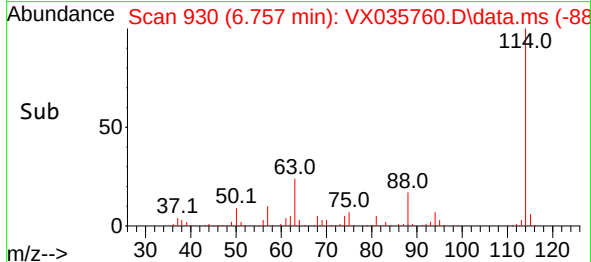
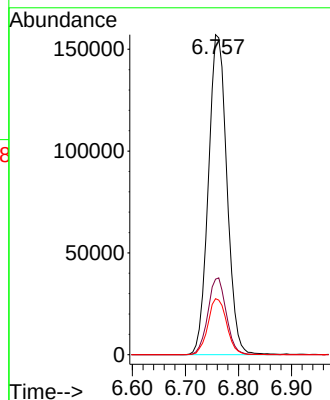
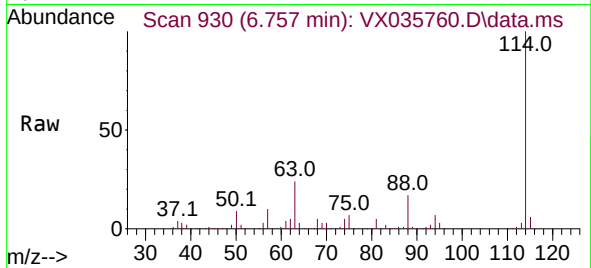




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 911
Delta R.T. -0.006 min
Lab File: VX035760.D
Acq: 19 May 2023 15:08

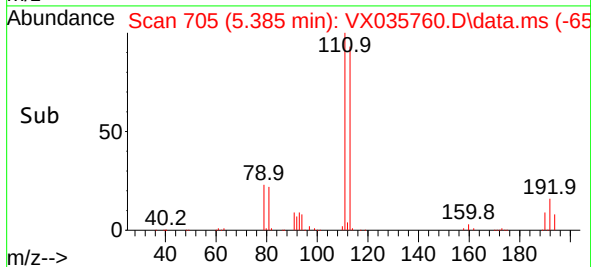
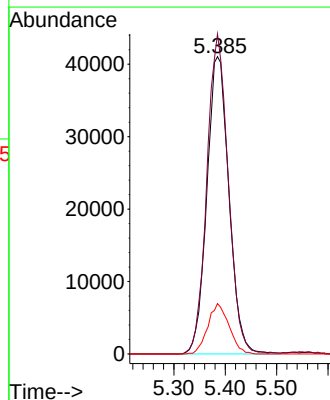
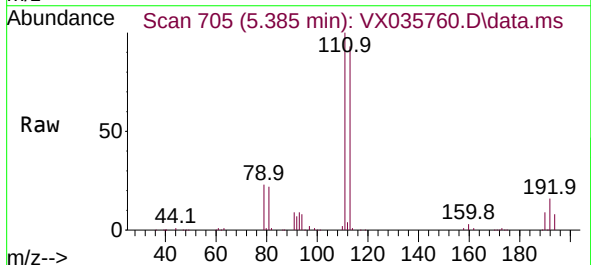
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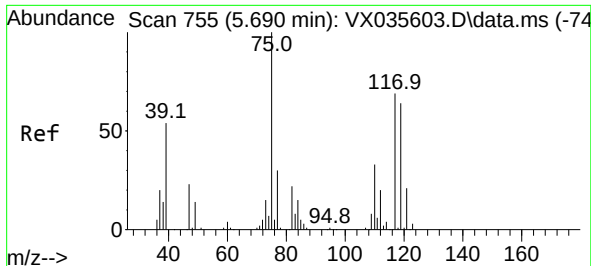
Tgt Ion:114 Resp: 381307
Ion Ratio Lower Upper
114 100
63 23.6 0.0 42.2
88 17.5 0.0 33.2



#35
Dibromofluoromethane
Concen: 47.789 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX035760.D
Acq: 19 May 2023 15:08

Tgt Ion:113 Resp: 122890
Ion Ratio Lower Upper
113 100
111 104.1 83.7 125.5
192 16.3 15.4 23.2

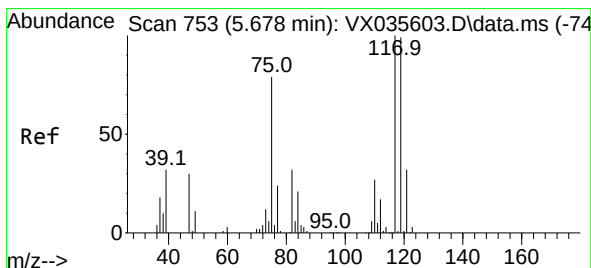
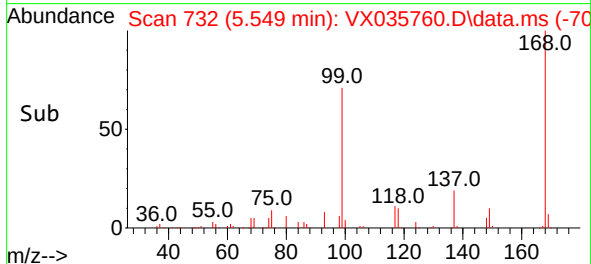
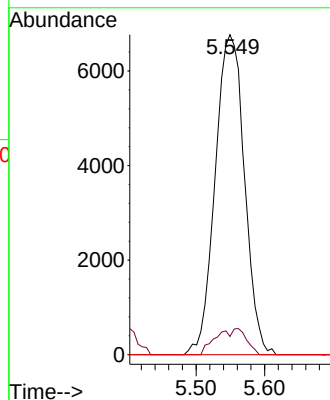
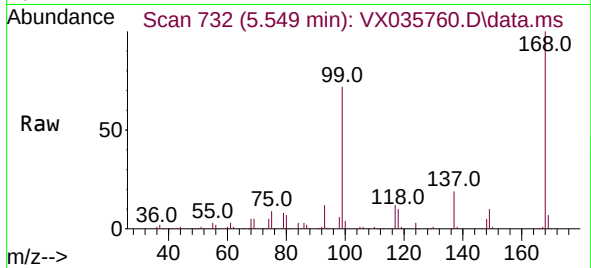




#36
1,1-Dichloropropene
Concen: 4.946 ug/l
RT: 5.549 min Scan# 712
Delta R.T. -0.141 min
Lab File: VX035760.D
Acq: 19 May 2023 15:08

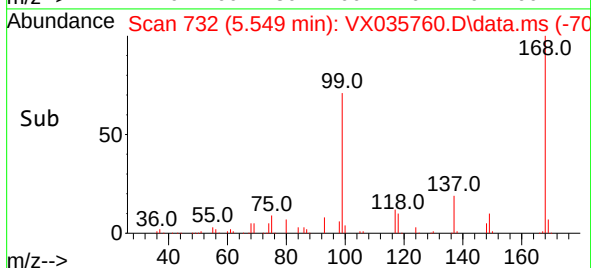
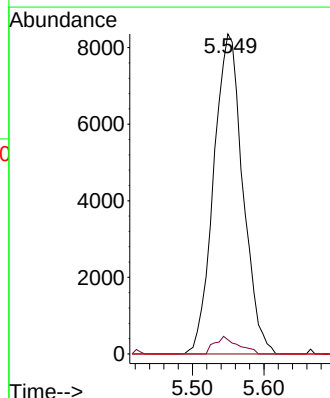
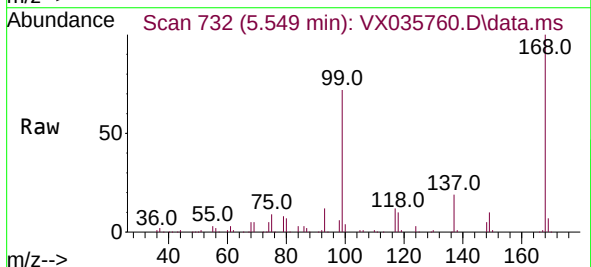
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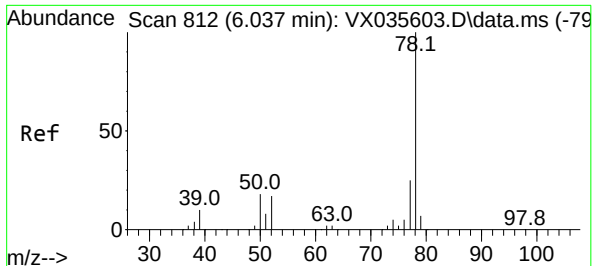
Tgt Ion: 75 Resp: 20077
Ion Ratio Lower Upper
75 100
110 4.6 17.5 52.5#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 6.167 ug/l
RT: 5.549 min Scan# 732
Delta R.T. -0.129 min
Lab File: VX035760.D
Acq: 19 May 2023 15:08

Tgt Ion: 117 Resp: 23714
Ion Ratio Lower Upper
117 100
119 4.5 76.6 114.8#
121 0.0 23.8 35.6#

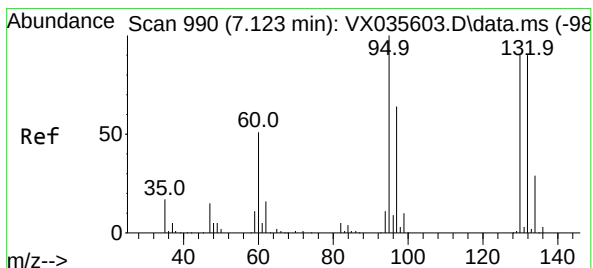
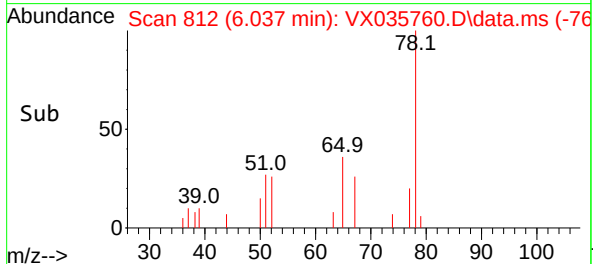
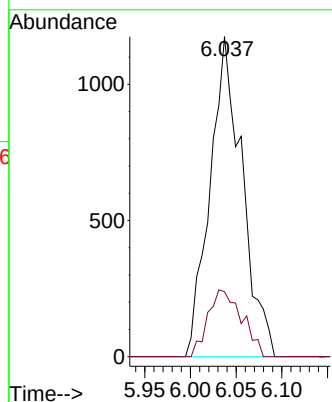
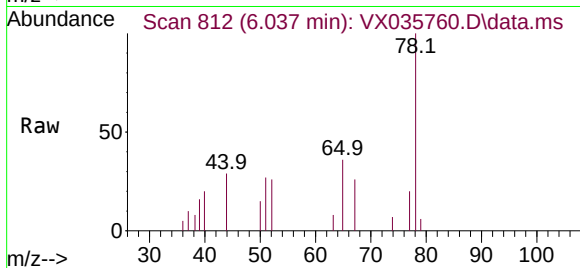




#40
Benzene
Concen: 0.254 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX035760.D
Acq: 19 May 2023 15:08

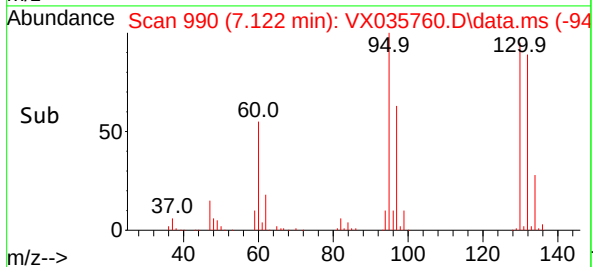
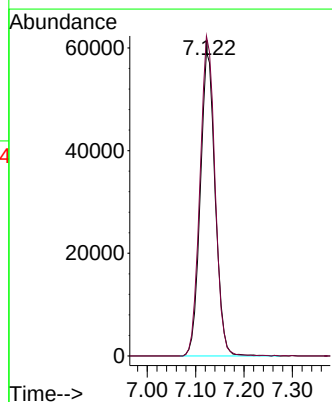
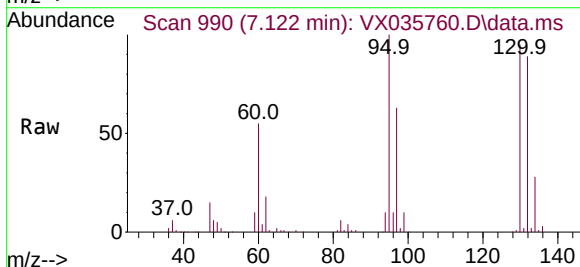
Instrument :
MSVOA_X
ClientSampleId :
FSND-PRO-08-71-05112023

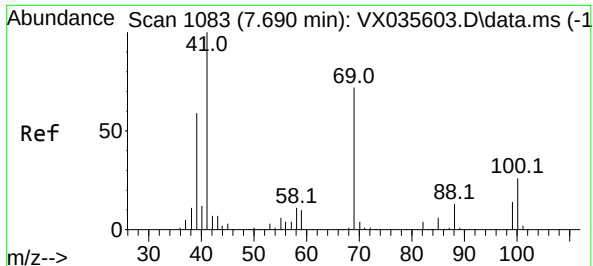
Tgt Ion: 78 Resp: 2883
Ion Ratio Lower Upper
78 100
77 20.3 19.0 28.4



#44
Trichloroethene
Concen: 44.002 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.001 min
Lab File: VX035760.D
Acq: 19 May 2023 15:08

Tgt Ion:130 Resp: 126694
Ion Ratio Lower Upper
130 100
95 105.1 0.0 198.4





#48

Methyl methacrylate

Concen: 16.159 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. -0.117 min

Lab File: VX035760.D

Acq: 19 May 2023 15:08

Instrument :

MSVOA_X

ClientSampleId :

FSND-PRO-08-71-05112023

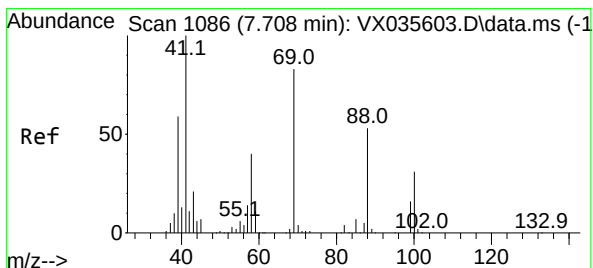
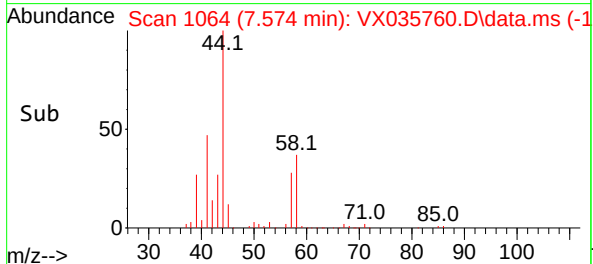
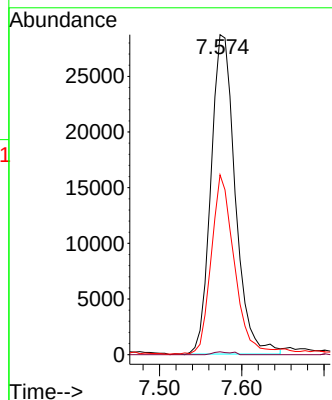
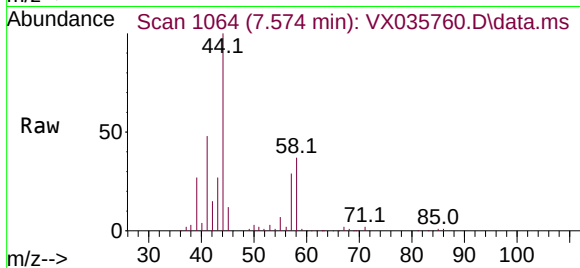
Tgt Ion: 41 Resp: 58873

Ion Ratio Lower Upper

41 100

69 0.7 62.2 93.4#

39 53.2 47.7 71.5



#49

1,4-Dioxane

Concen: 2.236 ug/l

RT: 7.762 min Scan# 1095

Delta R.T. 0.054 min

Lab File: VX035760.D

Acq: 19 May 2023 15:08

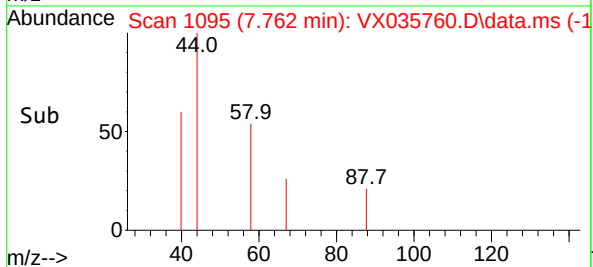
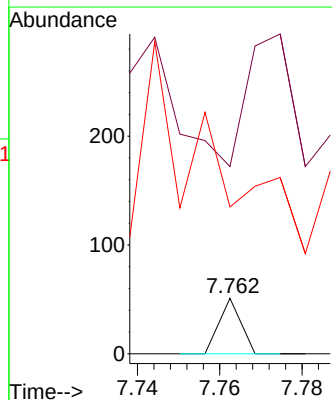
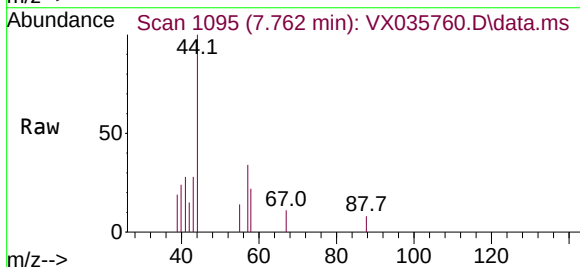
Tgt Ion: 88 Resp: 19

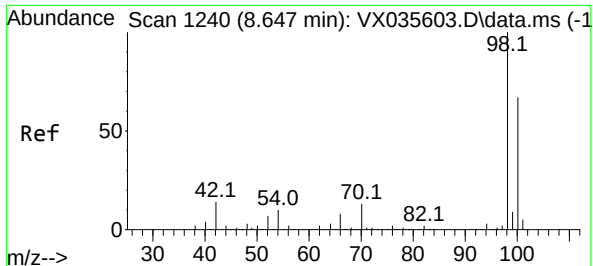
Ion Ratio Lower Upper

88 100

43 0.0 27.7 41.5#

58 0.0 56.8 85.2#

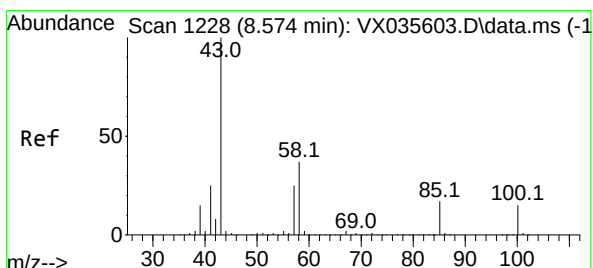
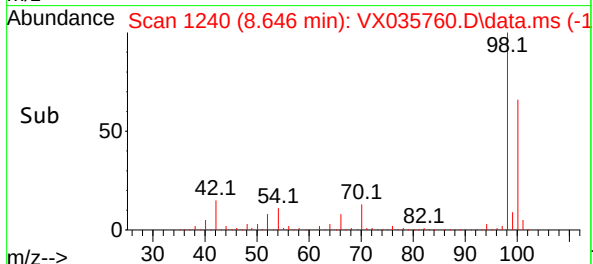
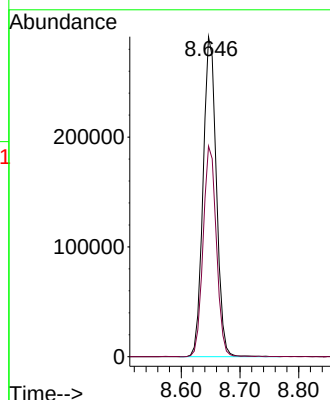
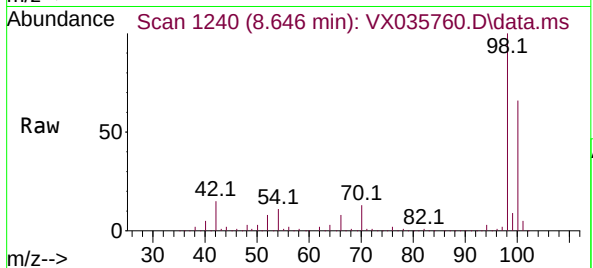




#50
Toluene-d8
Concen: 48.156 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.001 min
Lab File: VX035760.D
Acq: 19 May 2023 15:08

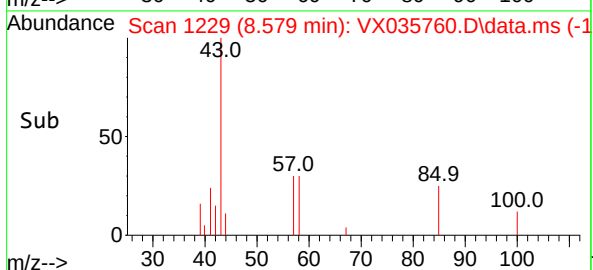
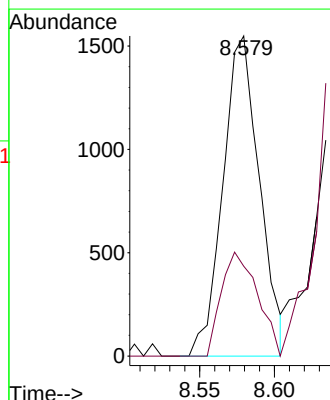
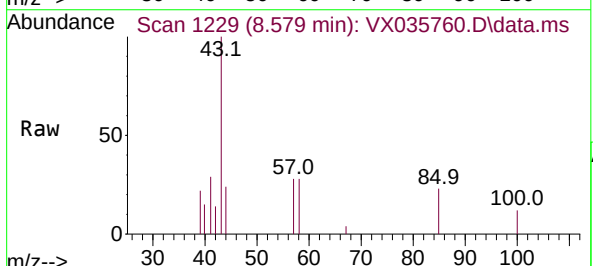
Instrument :
MSVOA_X
ClientSampleId :
FSND-PRO-08-71-05112023

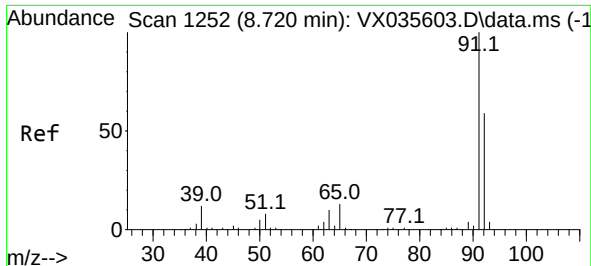
Tgt Ion: 98 Resp: 457478
Ion Ratio Lower Upper
98 100
100 65.7 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.618 ug/l
RT: 8.579 min Scan# 1229
Delta R.T. 0.005 min
Lab File: VX035760.D
Acq: 19 May 2023 15:08

Tgt Ion: 43 Resp: 2630
Ion Ratio Lower Upper
43 100
58 32.2 30.6 46.0

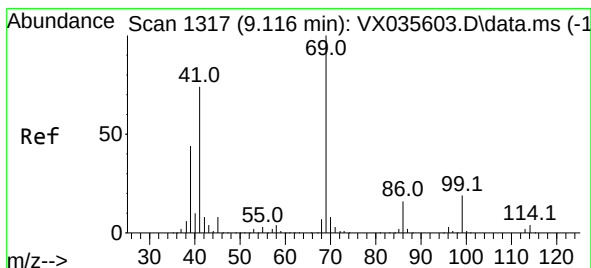
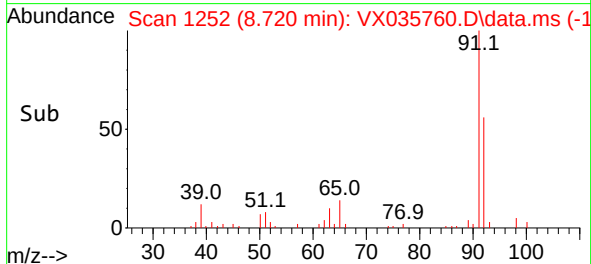
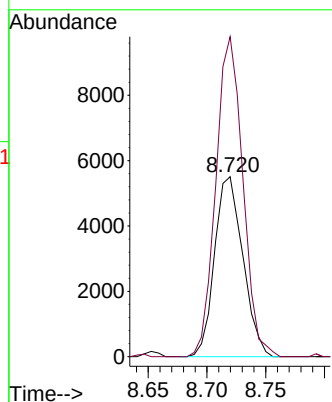
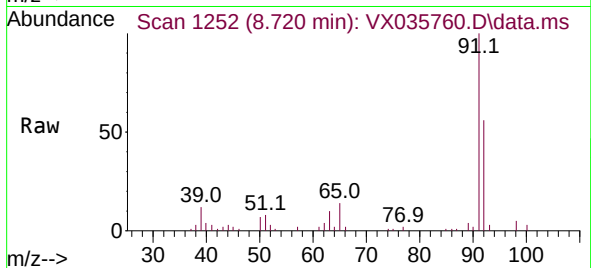




#52
Toluene
Concen: 1.288 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035760.D
Acq: 19 May 2023 15:08

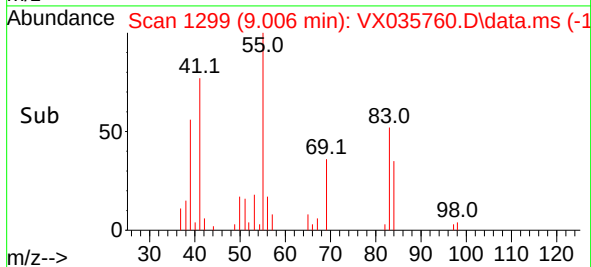
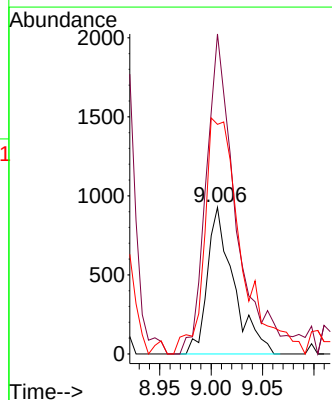
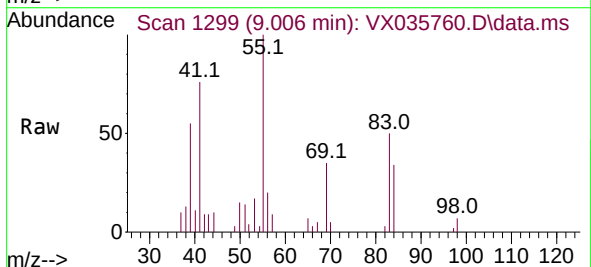
Instrument :
MSVOA_X
ClientSampleId :
FSND-PRO-08-71-05112023

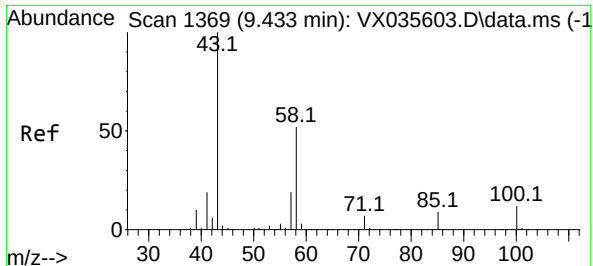
Tgt Ion: 92 Resp: 9229
Ion Ratio Lower Upper
92 100
91 169.7 136.8 205.2



#56
Ethyl methacrylate
Concen: 0.361 ug/l
RT: 9.006 min Scan# 1299
Delta R.T. -0.110 min
Lab File: VX035760.D
Acq: 19 May 2023 15:08

Tgt Ion: 69 Resp: 1646
Ion Ratio Lower Upper
69 100
41 248.5 57.4 86.0#
39 225.7 33.7 50.5#

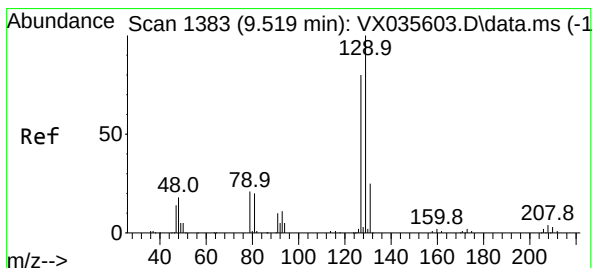
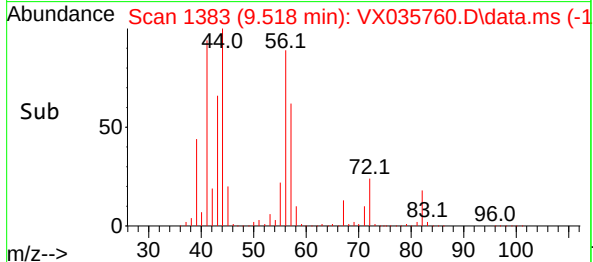
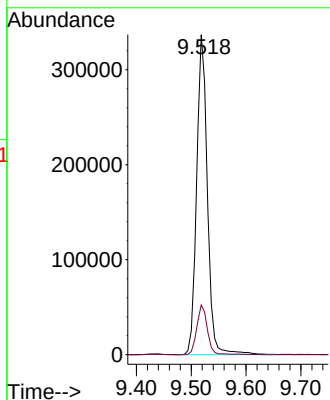
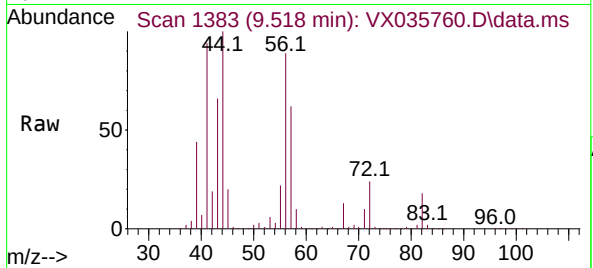




#59
2-Hexanone
Concen: 144.031 ug/l
RT: 9.518 min Scan# 11
Delta R.T. 0.085 min
Lab File: VX035760.D
Acq: 19 May 2023 15:08

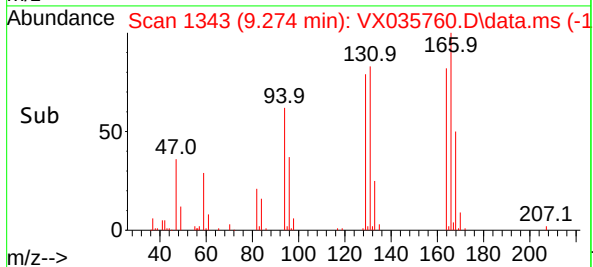
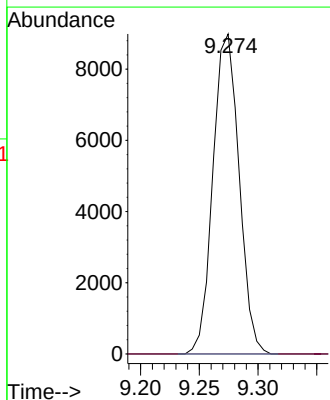
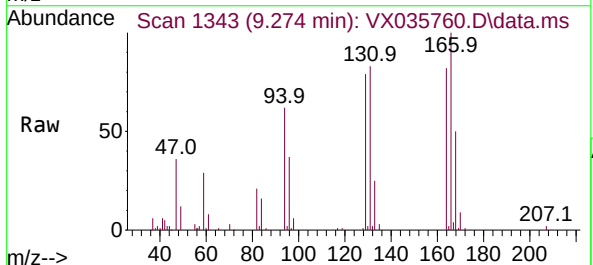
Instrument :
MSVOA_X
ClientSampleId :
FSND-PRO-08-71-05112023

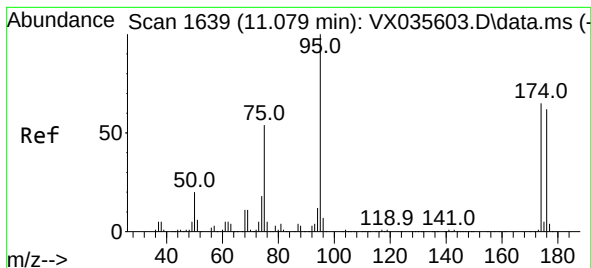
Tgt Ion: 43 Resp: 461341
Ion Ratio Lower Upper
43 100
58 15.1 26.3 78.9#



#60
Dibromochloromethane
Concen: 5.189 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.245 min
Lab File: VX035760.D
Acq: 19 May 2023 15:08

Tgt Ion: 129 Resp: 13924
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#

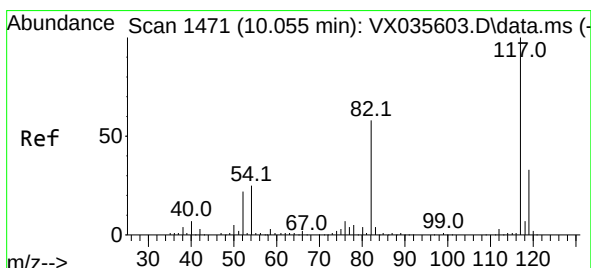
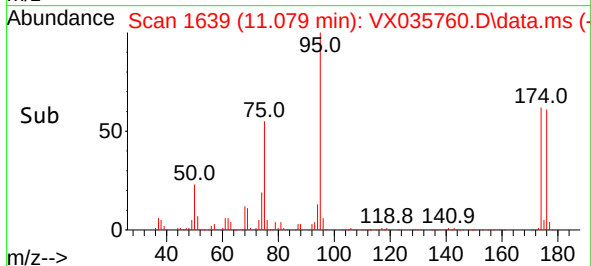
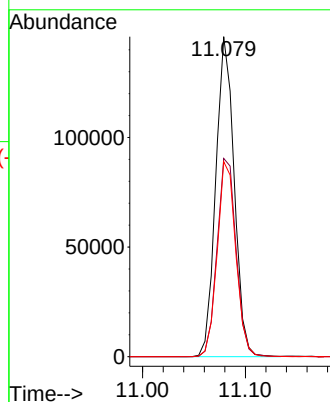
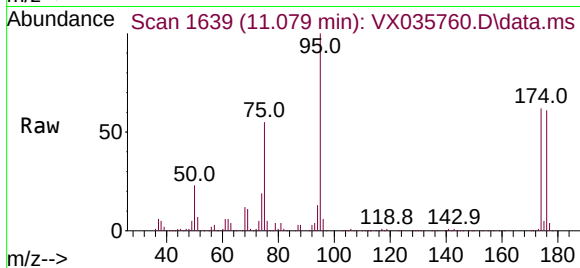




#62
4-Bromofluorobenzene
Concen: 47.341 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX035760.D
Acq: 19 May 2023 15:08

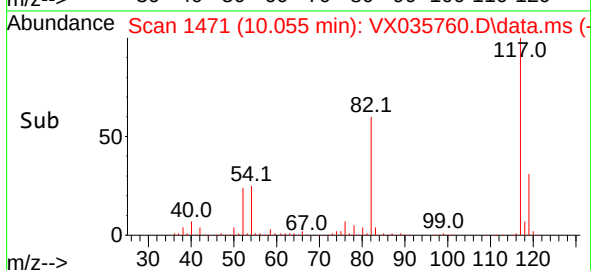
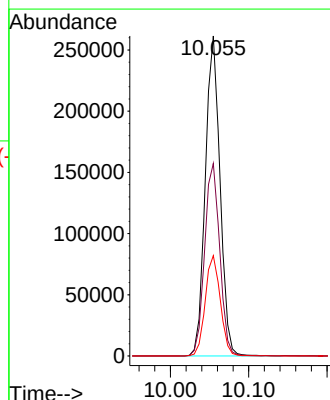
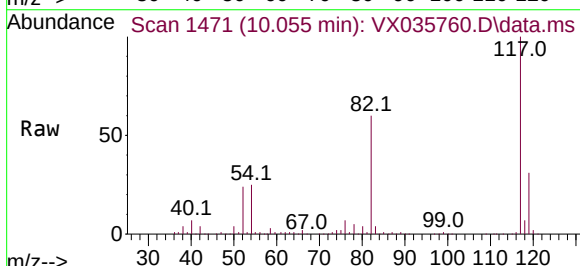
Instrument :
MSVOA_X
ClientSampleId :
FSND-PRO-08-71-05112023

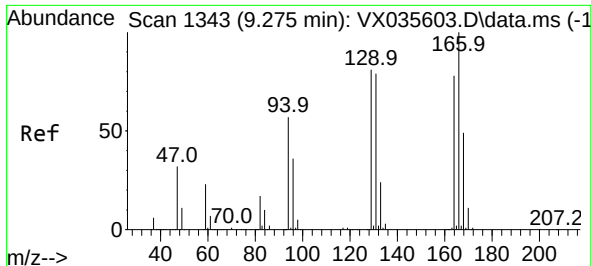
Tgt Ion: 95 Resp: 181080
Ion Ratio Lower Upper
95 100
174 64.0 0.0 147.4
176 61.7 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX035760.D
Acq: 19 May 2023 15:08

Tgt Ion: 117 Resp: 340483
Ion Ratio Lower Upper
117 100
82 60.2 45.0 67.4
119 31.4 26.0 39.0



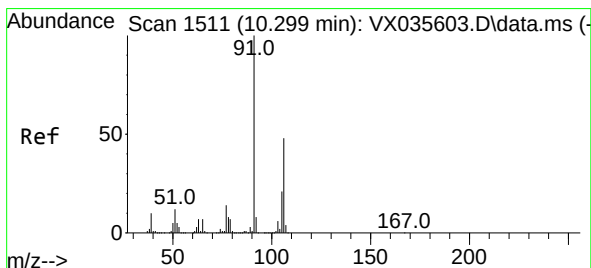
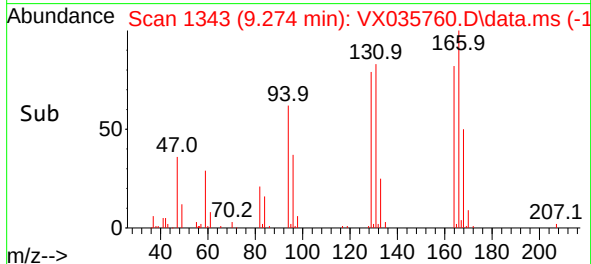
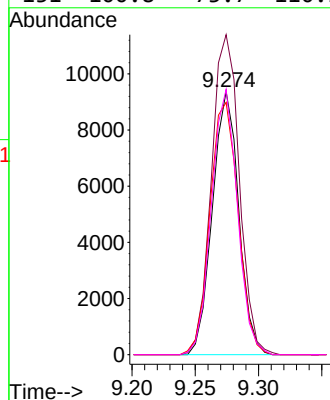
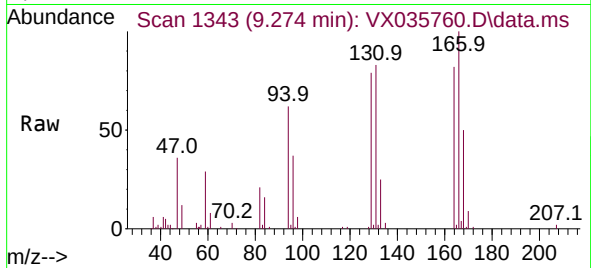


#64
Tetrachloroethene
Concen: 5.899 ug/l
RT: 9.274 min Scan# 11
Delta R.T. -0.001 min
Lab File: VX035760.D
Acq: 19 May 2023 15:08

Instrument :
MSVOA_X
ClientSampleId :
FSND-PRO-08-71-05112023

Tgt Ion:164 Resp: 13521

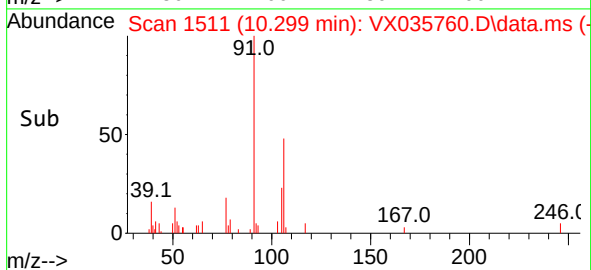
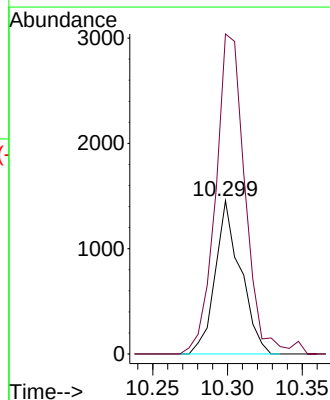
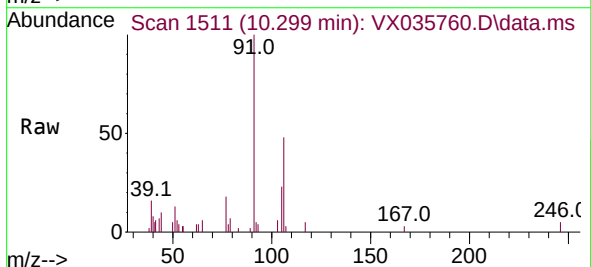
Ion	Ratio	Lower	Upper
164	100		
166	121.6	102.7	154.1
129	95.9	75.6	113.4
131	100.8	73.7	110.5

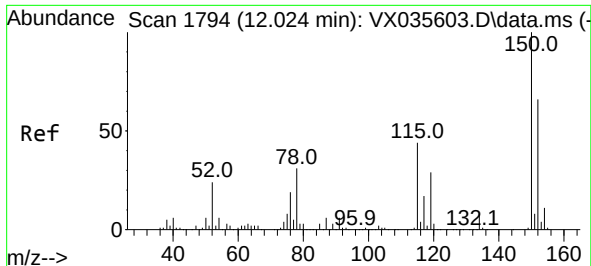


#68
m/p-Xylenes
Concen: 0.334 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX035760.D
Acq: 19 May 2023 15:08

Tgt Ion:106 Resp: 1724

Ion	Ratio	Lower	Upper
106	100		
91	242.8	164.0	246.0

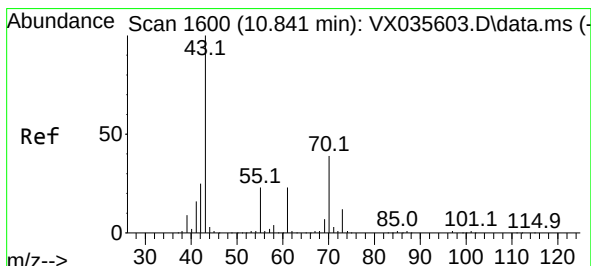
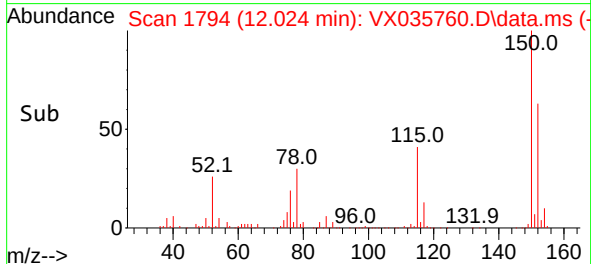
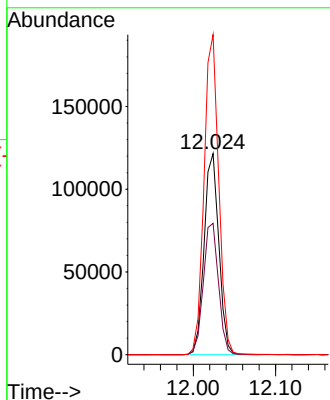
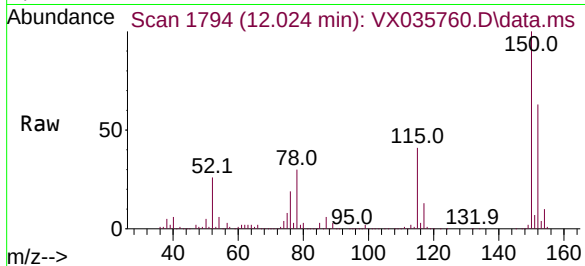




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX035760.D
Acq: 19 May 2023 15:08

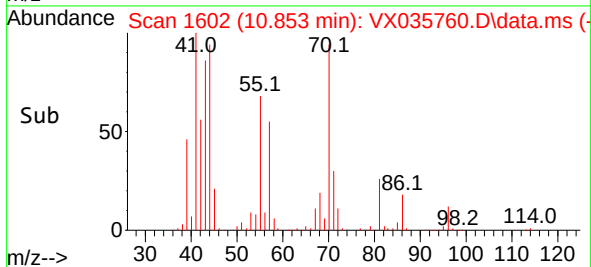
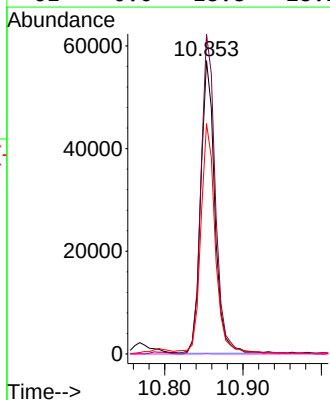
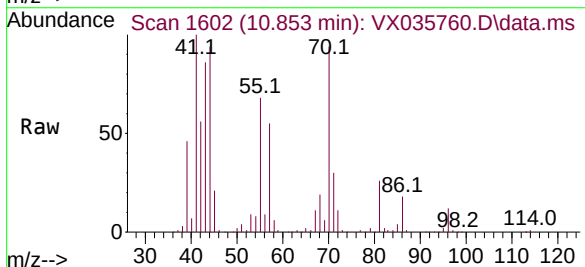
Instrument :
MSVOA_X
ClientSampleId :
FSND-PRO-08-71-05112023

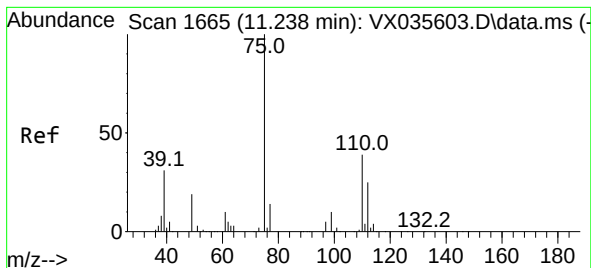
Tgt Ion:152 Resp: 151269
Ion Ratio Lower Upper
152 100
115 67.2 45.0 135.0
150 158.0 0.0 352.4



#74
N-ethyl acetate
Concen: 11.938 ug/l
RT: 10.853 min Scan# 1602
Delta R.T. 0.012 min
Lab File: VX035760.D
Acq: 19 May 2023 15:08

Tgt Ion: 43 Resp: 70951
Ion Ratio Lower Upper
43 100
70 112.2 32.1 48.1#
55 80.0 18.3 27.5#
61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 26.255 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX035760.D

Acq: 19 May 2023 15:08

Instrument :

MSVOA_X

ClientSampleId :

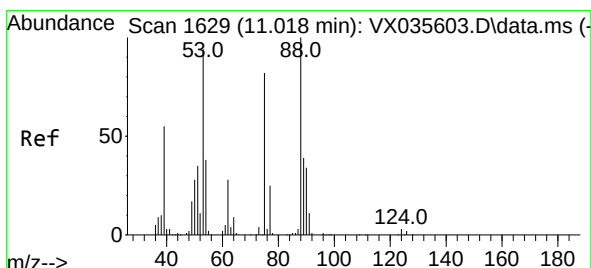
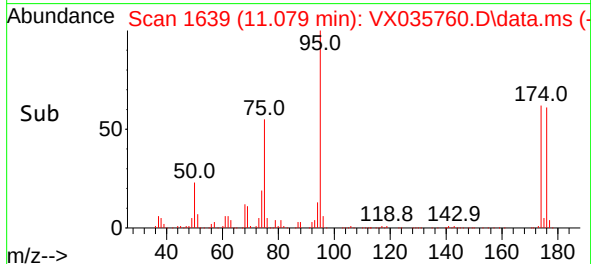
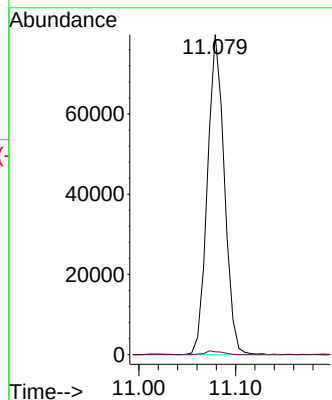
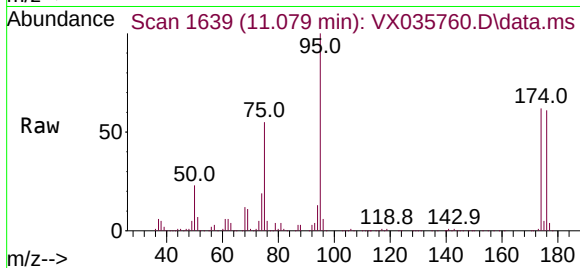
FSND-PRO-08-71-05112023

Tgt Ion: 75 Resp: 97145

Ion Ratio Lower Upper

75 100

77 1.2 21.6 64.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 84.615 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX035760.D

Acq: 19 May 2023 15:08

Tgt Ion: 75 Resp: 97145

Ion Ratio Lower Upper

75 100

53 0.0 82.6 124.0#

89 0.0 36.9 55.3#

