

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052223\
 Data File : VX035792.D
 Acq On : 22 May 2023 18:08
 Operator : JC/MD
 Sample : 02860-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-PRO-08-81-05112023

Quant Time: May 23 06:14:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 11 13:57:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	191760	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	341023	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	309530	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	137489	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	172163	51.464	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.920%			
35) Dibromofluoromethane	5.391	113	110225	47.927	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.860%			
50) Toluene-d8	8.647	98	396506	46.669	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 93.340%			
62) 4-Bromofluorobenzene	11.079	95	159992	46.768	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.540%			
Target Compounds						
						Qvalue
13) Acrolein	2.245	56	1842	2.630	ug/l	99
16) Acetone	2.398	43	4697	3.267	ug/l	# 86
17) Carbon Disulfide	2.514	76	1363	0.264	ug/l	# 93
24) 1,1-Dichloroethane	3.605	63	1450	0.303	ug/l	# 81
25) 2-Butanone	4.611	43	972	0.488	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	2919	1.038	ug/l	90
30) Chloroform	5.086	83	2095	0.427	ug/l	87
31) Cyclohexane	5.550	56	5558	1.315	ug/l	# 27
32) 1,1,1-Trichloroethane	5.385	97	6866	1.607	ug/l	98
36) 1,1-Dichloropropene	5.550	75	18528	5.104	ug/l	# 50
38) Carbon Tetrachloride	5.684	117	2181	0.634	ug/l	# 72
44) Trichloroethene	7.123	130	41664	16.180	ug/l	97
48) Methyl methacrylate	7.580	41	27356	8.395	ug/l	# 47
49) 1,4-Dioxane	7.738	88	25	2.347	ug/l	# 23
51) 4-Methyl-2-Pentanone	8.647	43	2203	0.579	ug/l	# 1
59) 2-Hexanone	9.518	43	225837	78.835	ug/l	# 47
60) Dibromochloromethane	9.269	129	24338	10.140	ug/l	# 10
64) Tetrachloroethene	9.275	164	23284	11.173	ug/l	95
74) N-amyl acetate	10.854	43	20082	3.718	ug/l	# 5
76) 1,2,3-Trichloropropane	11.079	75	90588	26.936	ug/l	# 34
81) trans-1,4-Dichloro-2-b...	11.079	75	90588	86.812	ug/l	# 8

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

Quant Time: May 23 06:14:56 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
Quant Title : SW846 8260
QLast Update : Thu May 11 13:57:54 2023
Response via : Initial Calibration

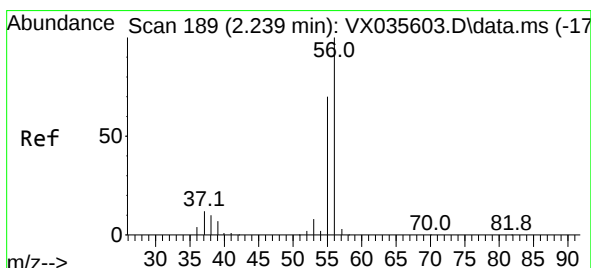
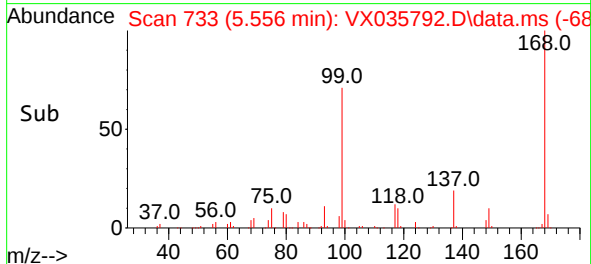
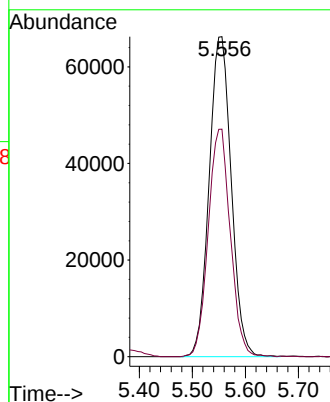
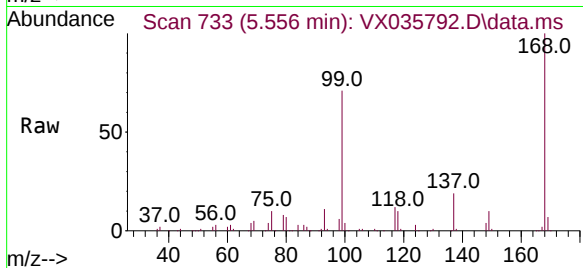




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX035792.D
Acq: 22 May 2023 18:08

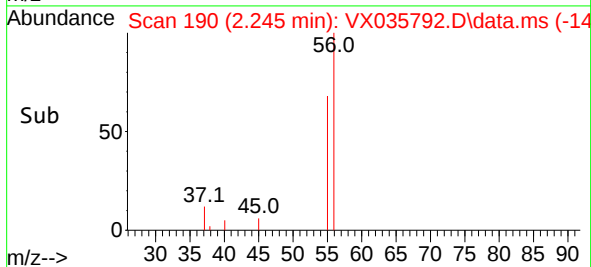
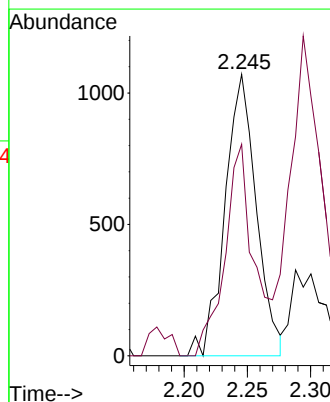
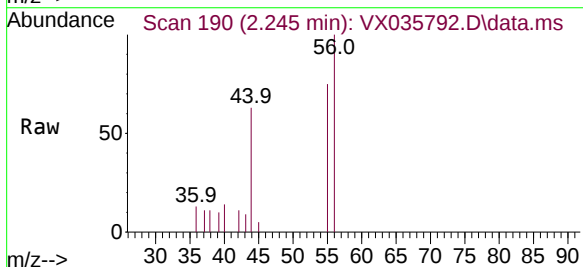
Instrument :
MSVOA_X
ClientSampleId :
FSND-PRO-08-81-05112023

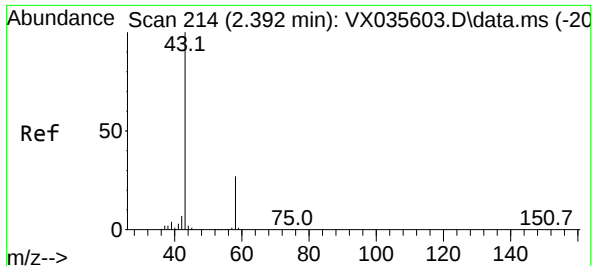
Tgt Ion:168 Resp: 191760
Ion Ratio Lower Upper
168 100
99 71.1 45.7 68.5#



#13
Acrolein
Concen: 2.630 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX035792.D
Acq: 22 May 2023 18:08

Tgt Ion: 56 Resp: 1842
Ion Ratio Lower Upper
56 100
55 70.1 56.6 85.0

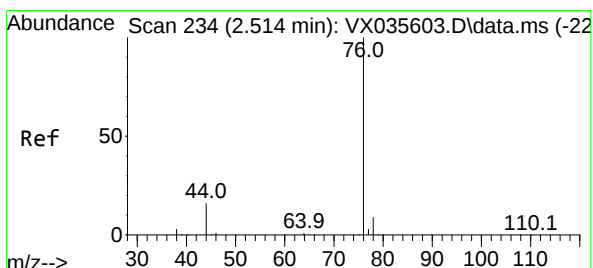
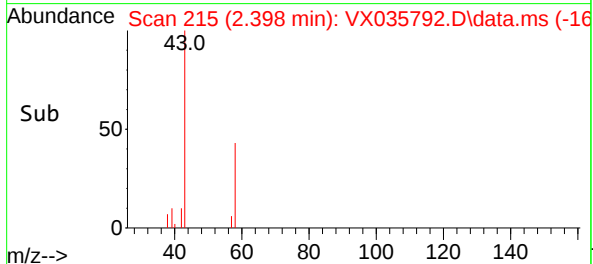
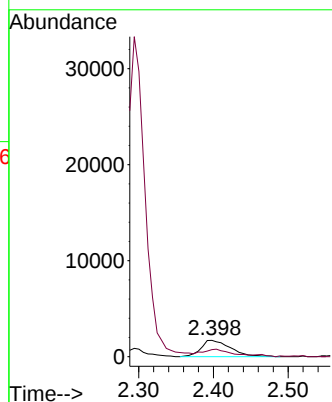
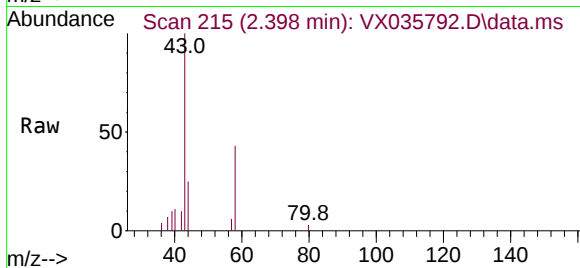




#16
Acetone
Concen: 3.267 ug/l
RT: 2.398 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX035792.D
Acq: 22 May 2023 18:08

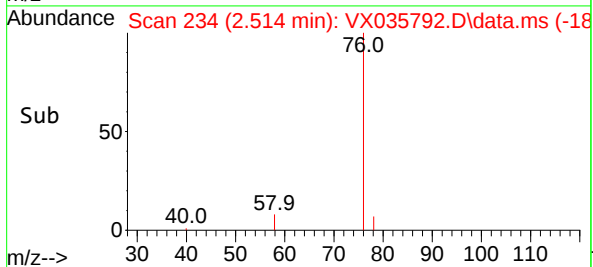
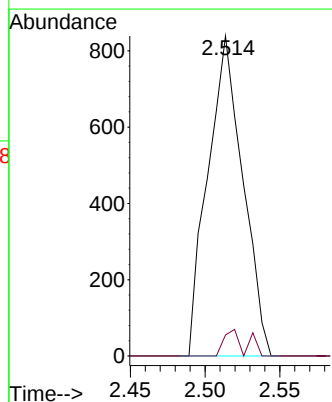
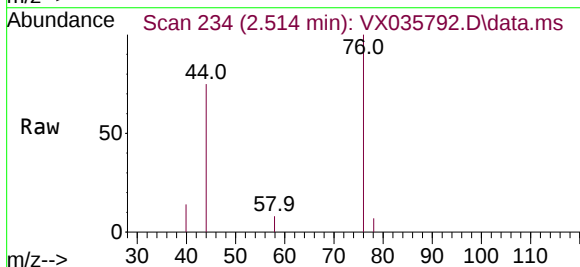
Instrument :
MSVOA_X
ClientSampleId :
FSND-PRO-08-81-05112023

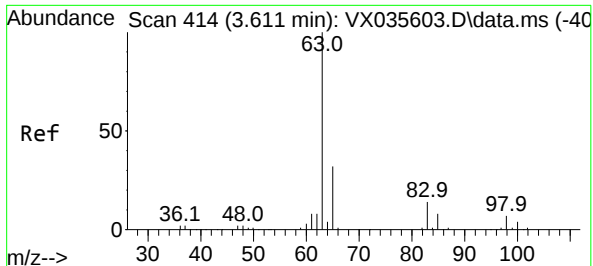
Tgt Ion: 43 Resp: 4697
Ion Ratio Lower Upper
43 100
58 38.4 24.7 37.1#



#17
Carbon Disulfide
Concen: 0.264 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX035792.D
Acq: 22 May 2023 18:08

Tgt Ion: 76 Resp: 1363
Ion Ratio Lower Upper
76 100
78 6.6 7.2 10.8#

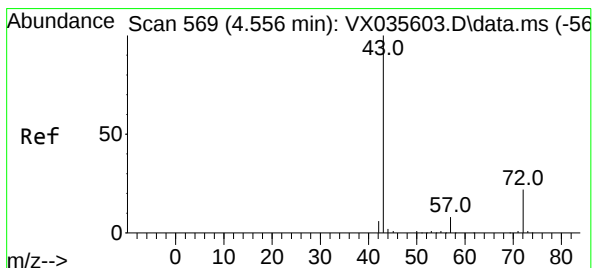
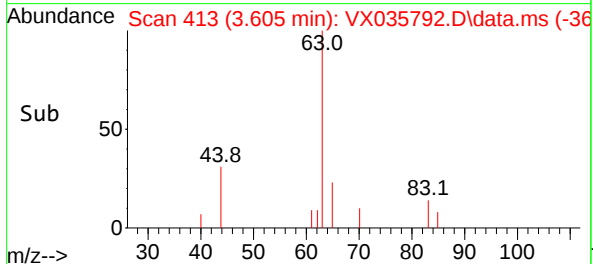
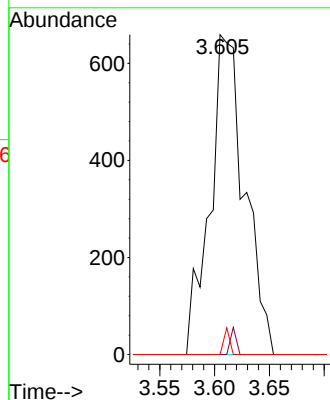
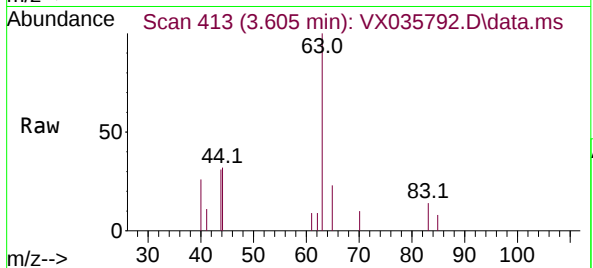




#24
1,1-Dichloroethane
Concen: 0.303 ug/l
RT: 3.605 min Scan# 41
Delta R.T. -0.006 min
Lab File: VX035792.D
Acq: 22 May 2023 18:08

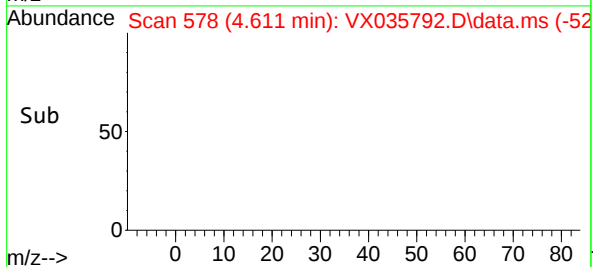
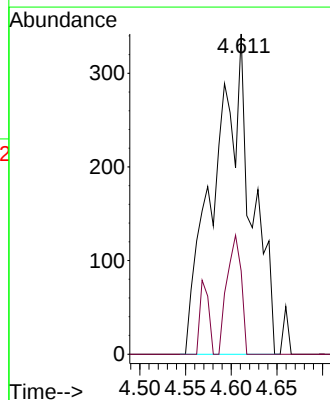
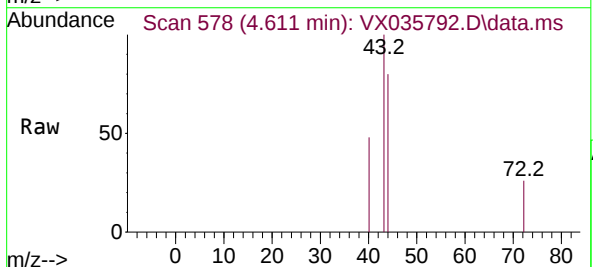
Instrument :
MSVOA_X
ClientSampleId :
FSND-PRO-08-81-05112023

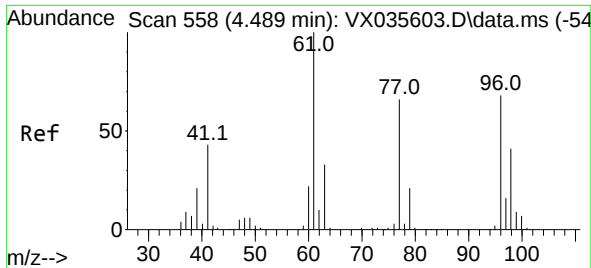
Tgt Ion: 63 Resp: 1450
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.4 7.1#



#25
2-Butanone
Concen: 0.488 ug/l
RT: 4.611 min Scan# 578
Delta R.T. 0.055 min
Lab File: VX035792.D
Acq: 22 May 2023 18:08

Tgt Ion: 43 Resp: 972
Ion Ratio Lower Upper
43 100
72 26.0 19.3 28.9

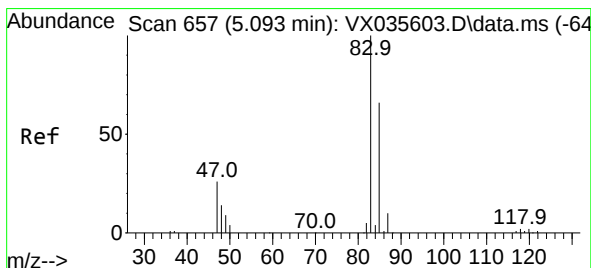
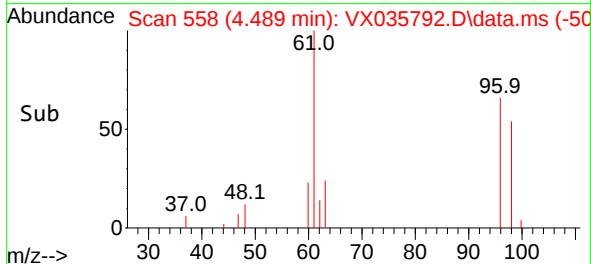
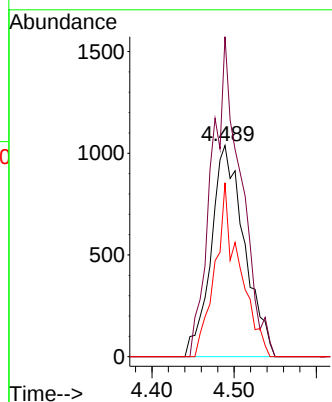
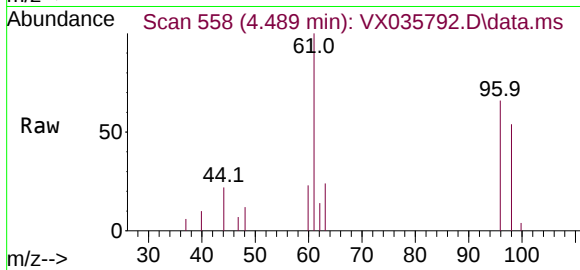




#27
 cis-1,2-Dichloroethene
 Concen: 1.038 ug/l
 RT: 4.489 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VX035792.D
 Acq: 22 May 2023 18:08

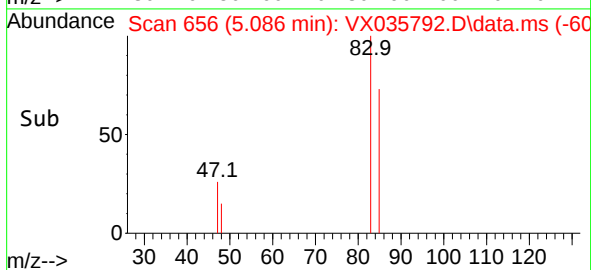
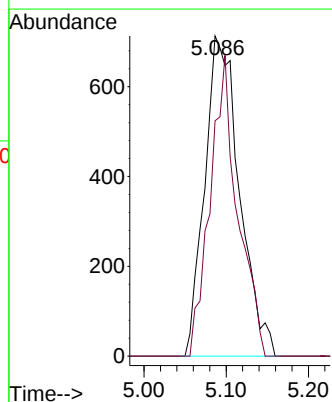
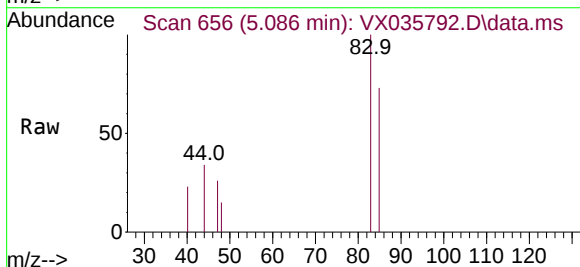
Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-PRO-08-81-05112023

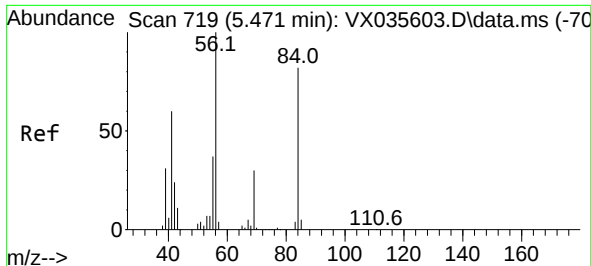
Tgt Ion:	96	Resp:	2919
Ion	Ratio	Lower	Upper
96	100		
61	134.3	0.0	300.4
98	60.4	0.0	129.0



#30
 Chloroform
 Concen: 0.427 ug/l
 RT: 5.086 min Scan# 656
 Delta R.T. -0.007 min
 Lab File: VX035792.D
 Acq: 22 May 2023 18:08

Tgt Ion:	83	Resp:	2095
Ion	Ratio	Lower	Upper
83	100		
85	73.5	50.6	76.0

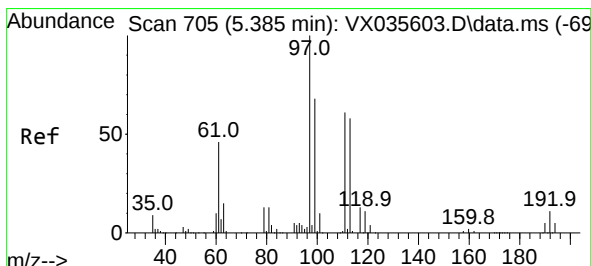
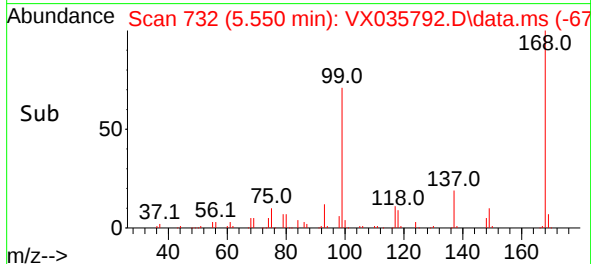
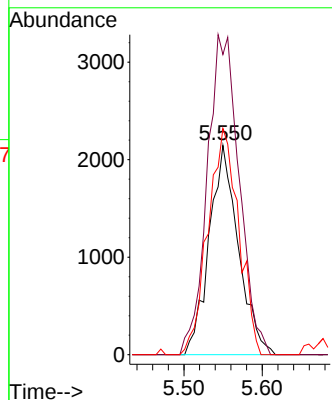
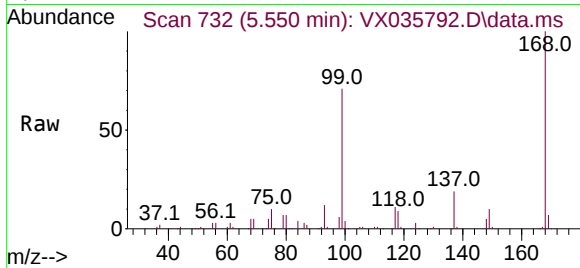




#31
Cyclohexane
Concen: 1.315 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX035792.D
Acq: 22 May 2023 18:08

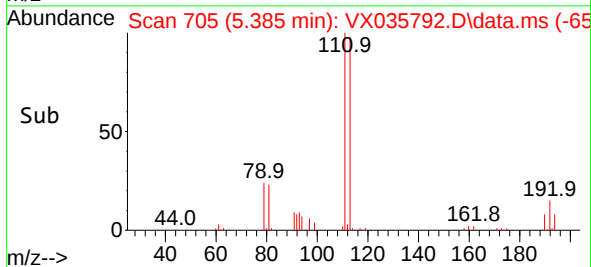
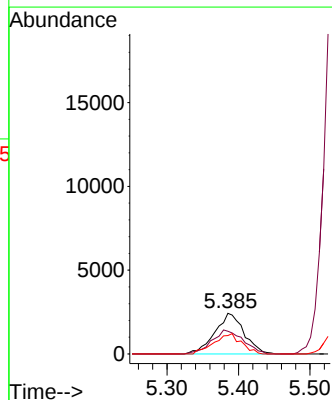
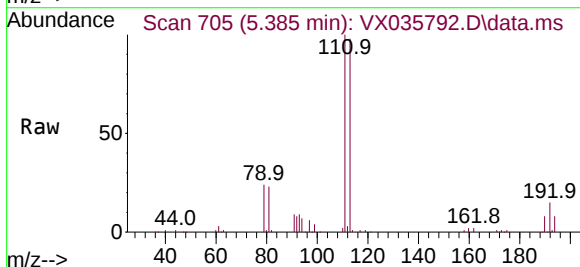
Instrument :
MSVOA_X
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FSND-PRO-08-81-05112023

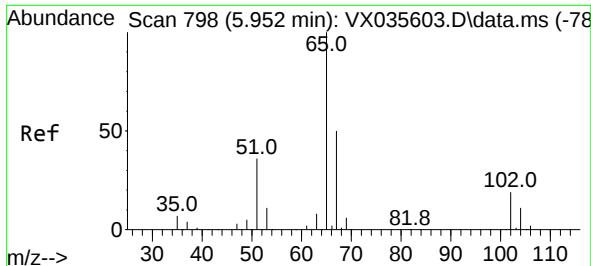
Tgt Ion: 56 Resp: 5558
Ion Ratio Lower Upper
56 100
69 143.4 23.7 35.5#
84 108.1 68.5 102.7#



#32
1,1,1-Trichloroethane
Concen: 1.607 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035792.D
Acq: 22 May 2023 18:08

Tgt Ion: 97 Resp: 6866
Ion Ratio Lower Upper
97 100
99 63.1 51.1 76.7
61 47.1 36.5 54.7





#33

1,2-Dichloroethane-d4

Concen: 51.464 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX035792.D

Acq: 22 May 2023 18:08

Instrument :

MSVOA_X

ClientSampleId :

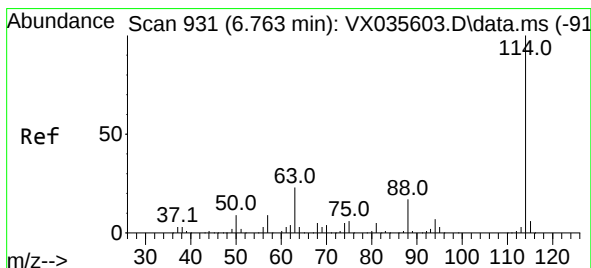
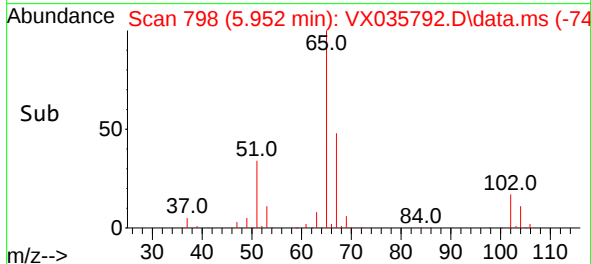
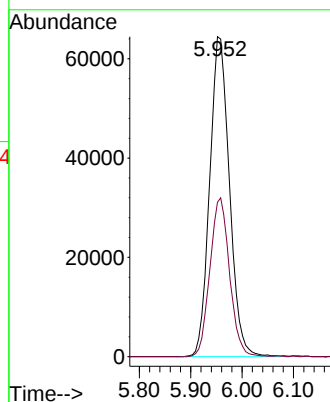
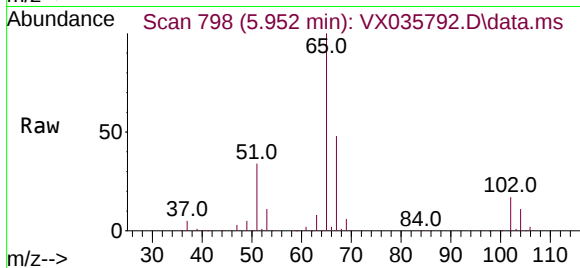
FSND-PRO-08-81-05112023

Tgt Ion: 65 Resp: 172163

Ion Ratio Lower Upper

65 100

67 49.3 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: VX035792.D

Acq: 22 May 2023 18:08

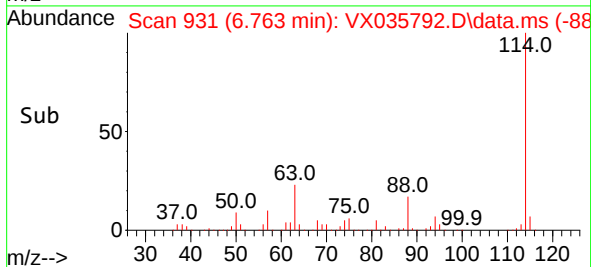
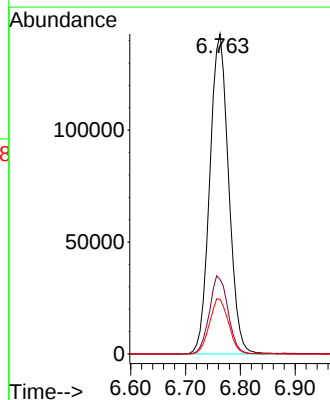
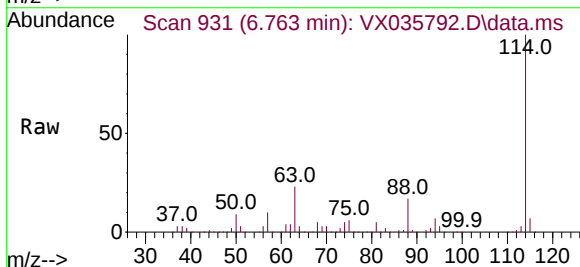
Tgt Ion: 114 Resp: 341023

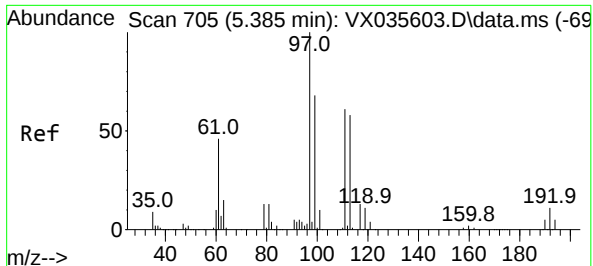
Ion Ratio Lower Upper

114 100

63 23.3 0.0 42.2

88 17.1 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.927 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX035792.D

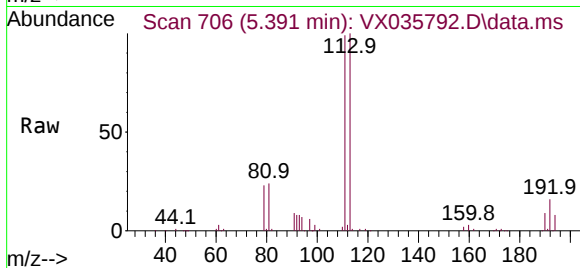
Acq: 22 May 2023 18:08

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FSND-PRO-08-81-05112023



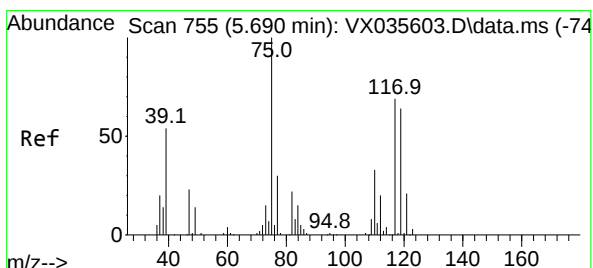
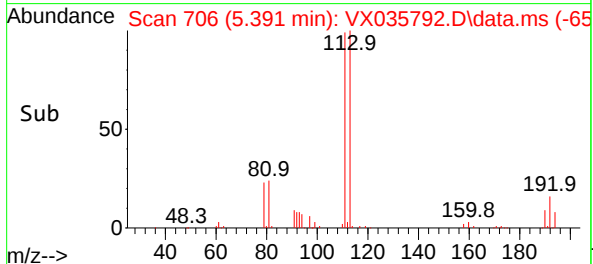
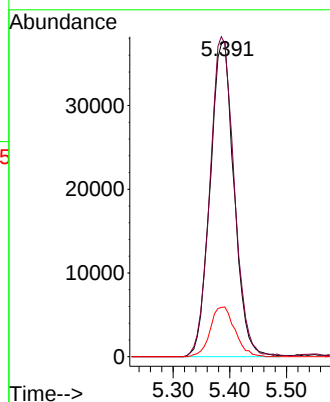
Tgt Ion:113 Resp: 110225

Ion Ratio Lower Upper

113 100

111 102.7 83.7 125.5

192 16.2 15.4 23.2



#36

1,1-Dichloropropene

Concen: 5.104 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX035792.D

Acq: 22 May 2023 18:08

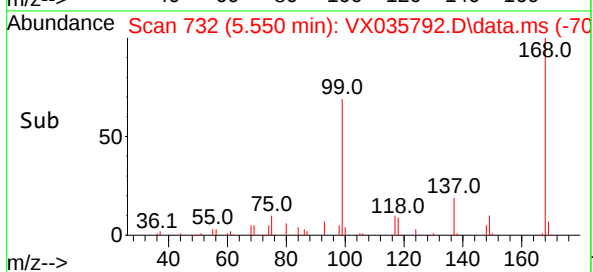
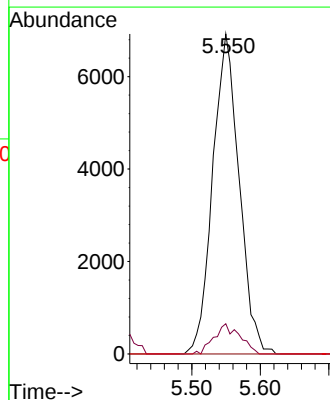
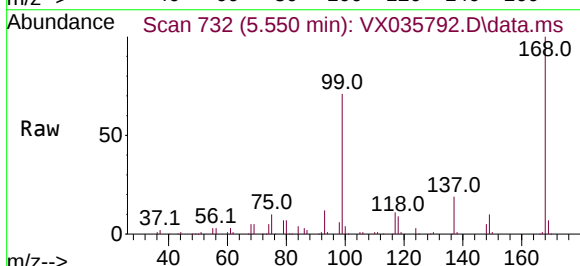
Tgt Ion: 75 Resp: 18528

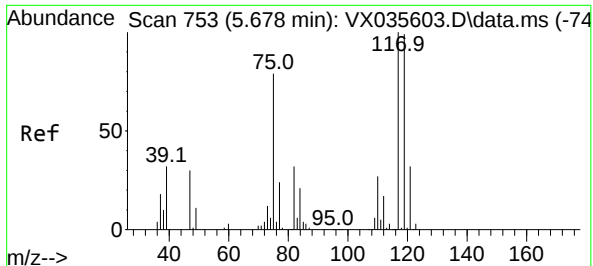
Ion Ratio Lower Upper

75 100

110 9.2 17.5 52.5#

77 0.0 24.3 36.5#

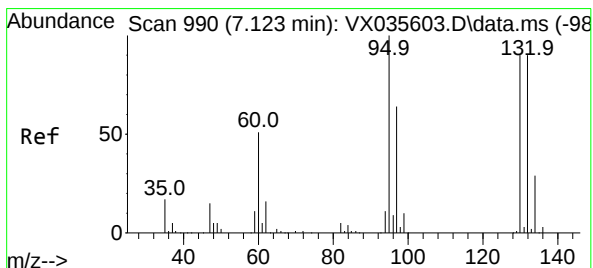
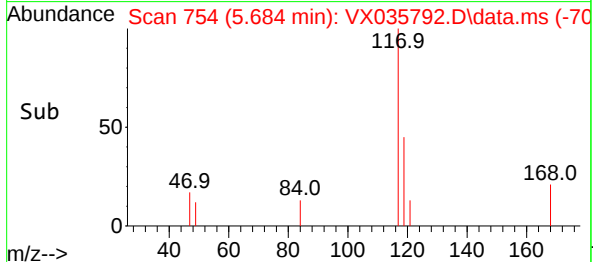
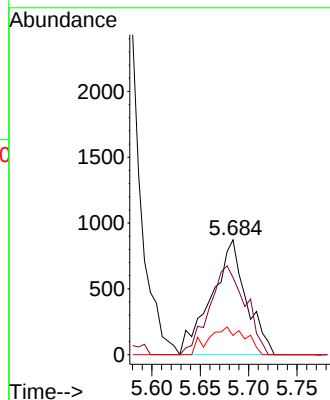
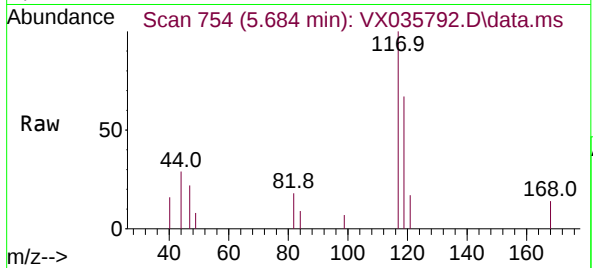




#38
Carbon Tetrachloride
Concen: 0.634 ug/l
RT: 5.684 min Scan# 753
Delta R.T. 0.006 min
Lab File: VX035792.D
Acq: 22 May 2023 18:08

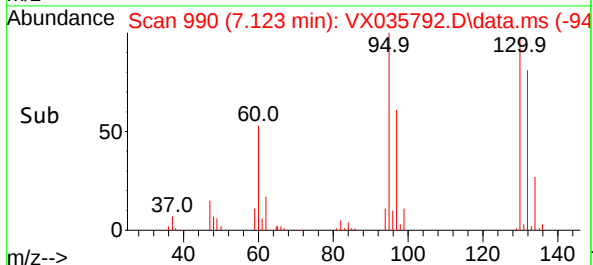
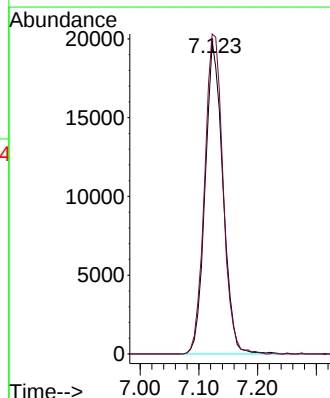
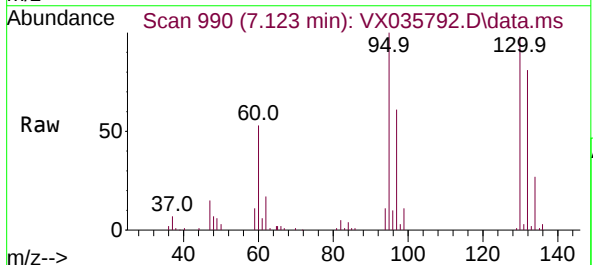
Instrument :
MSVOA_X
ClientSampleId :
FSND-PRO-08-81-05112023

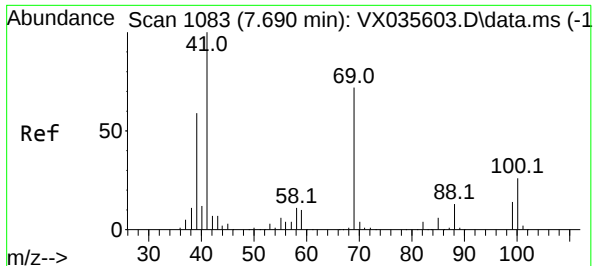
Tgt Ion:117 Resp: 2181
Ion Ratio Lower Upper
117 100
119 67.2 76.6 114.8#
121 16.7 23.8 35.6#



#44
Trichloroethene
Concen: 16.180 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX035792.D
Acq: 22 May 2023 18:08

Tgt Ion:130 Resp: 41664
Ion Ratio Lower Upper
130 100
95 102.5 0.0 198.4





#48

Methyl methacrylate

Concen: 8.395 ug/l

RT: 7.580 min Scan# 1091

Delta R.T. -0.110 min

Lab File: VX035792.D

Acq: 22 May 2023 18:08

Instrument :

MSVOA_X

ClientSampleId :

FSND-PRO-08-81-05112023

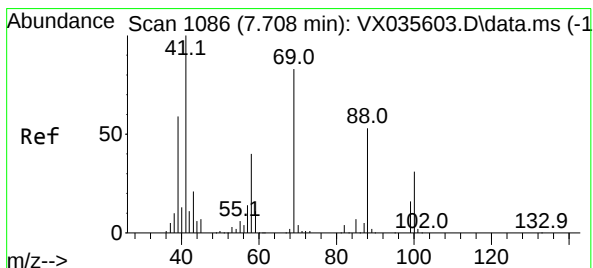
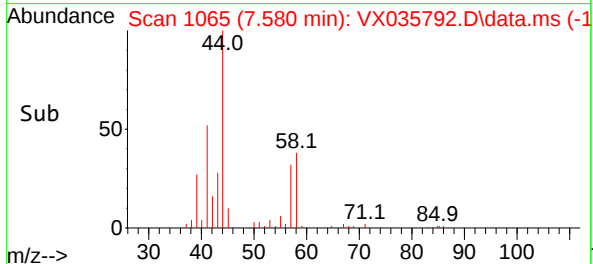
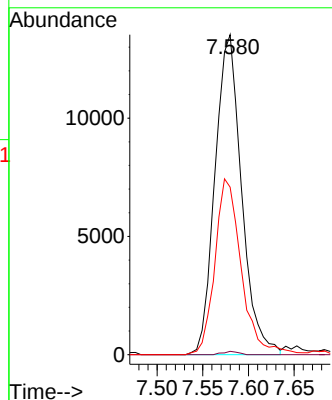
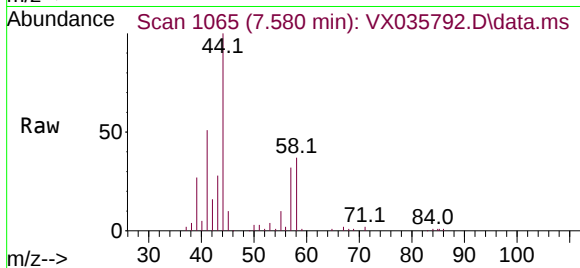
Tgt Ion: 41 Resp: 27356

Ion Ratio Lower Upper

41 100

69 0.6 62.2 93.4#

39 54.7 47.7 71.5



#49

1,4-Dioxane

Concen: 2.347 ug/l

RT: 7.738 min Scan# 1091

Delta R.T. 0.030 min

Lab File: VX035792.D

Acq: 22 May 2023 18:08

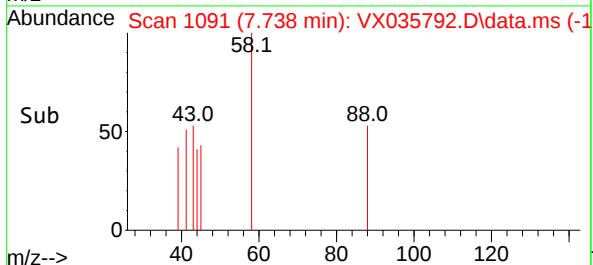
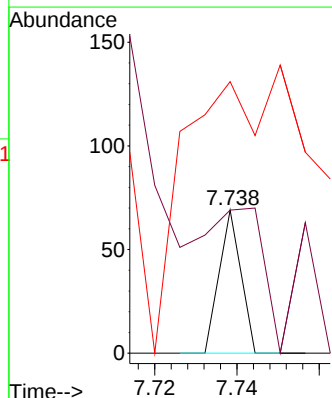
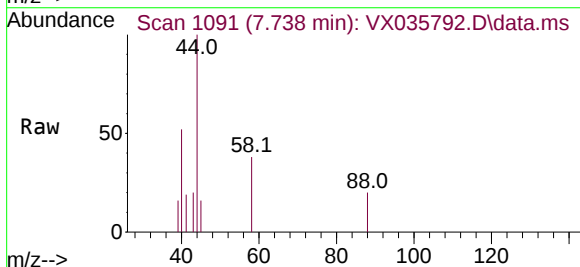
Tgt Ion: 88 Resp: 25

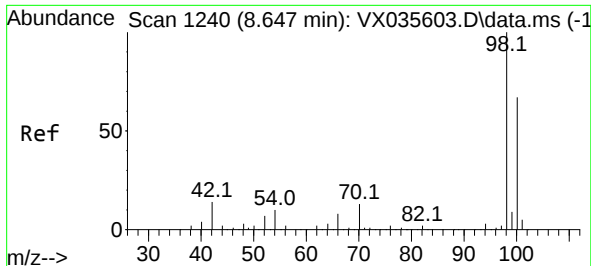
Ion Ratio Lower Upper

88 100

43 0.0 27.7 41.5#

58 0.0 56.8 85.2#

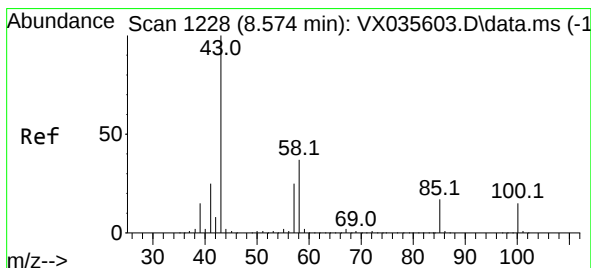
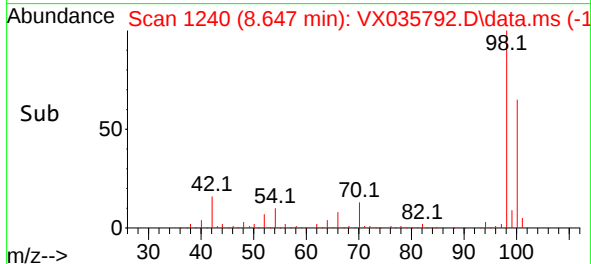
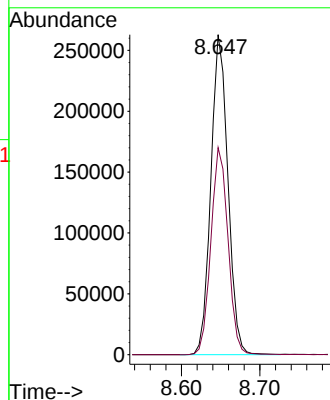
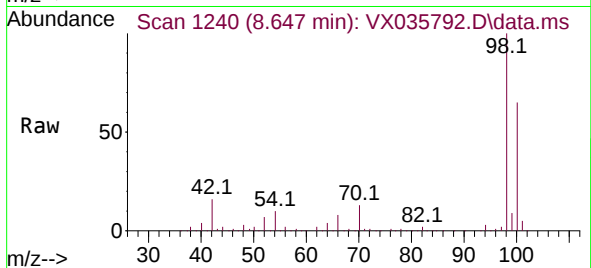




#50
Toluene-d8
Concen: 46.669 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035792.D
Acq: 22 May 2023 18:08

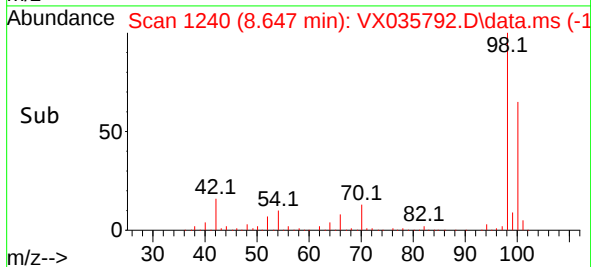
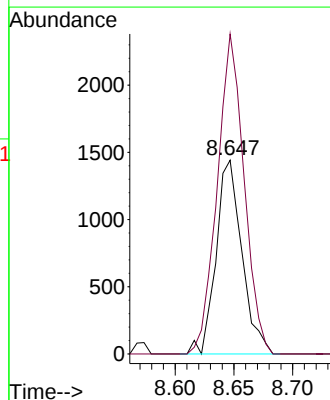
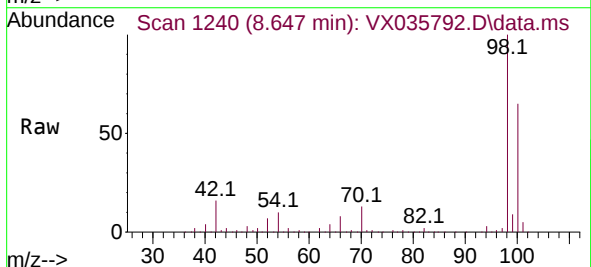
Instrument :
MSVOA_X
ClientSampleId :
FSND-PRO-08-81-05112023

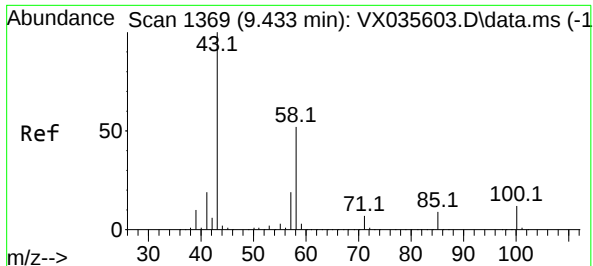
Tgt Ion: 98 Resp: 396506
Ion Ratio Lower Upper
98 100
100 65.1 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.579 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX035792.D
Acq: 22 May 2023 18:08

Tgt Ion: 43 Resp: 2203
Ion Ratio Lower Upper
43 100
58 172.1 30.6 46.0#





#59

2-Hexanone

Concen: 78.835 ug/l

RT: 9.518 min Scan# 1

Delta R.T. 0.085 min

Lab File: VX035792.D

Acq: 22 May 2023 18:08

Instrument :

MSVOA_X

ClientSampleId :

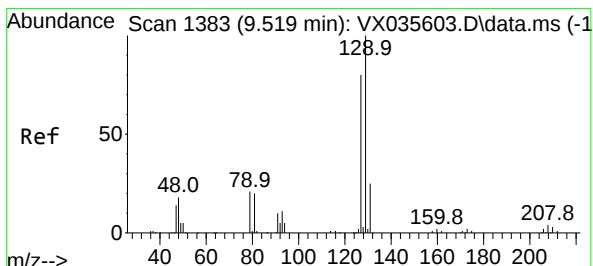
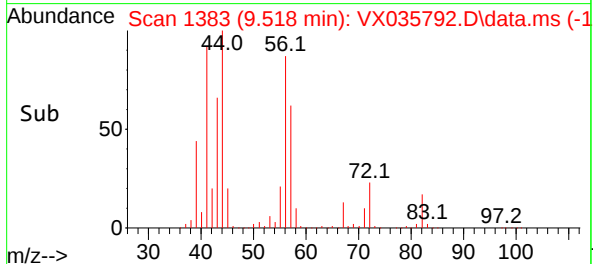
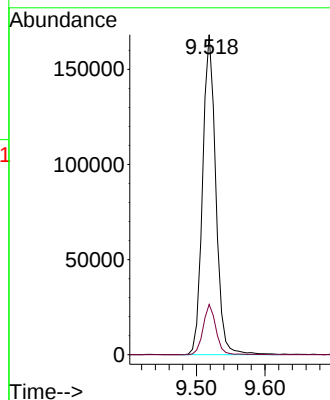
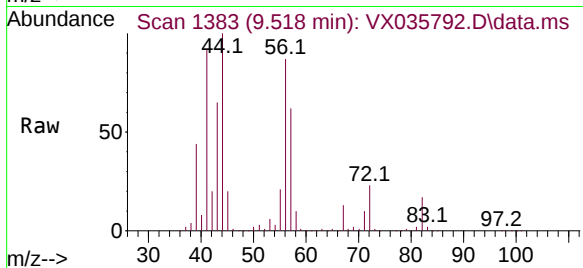
FSND-PRO-08-81-05112023

Tgt Ion: 43 Resp: 225837

Ion Ratio Lower Upper

43 100

58 15.2 26.3 78.9#



#60

Dibromochloromethane

Concen: 10.140 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. -0.250 min

Lab File: VX035792.D

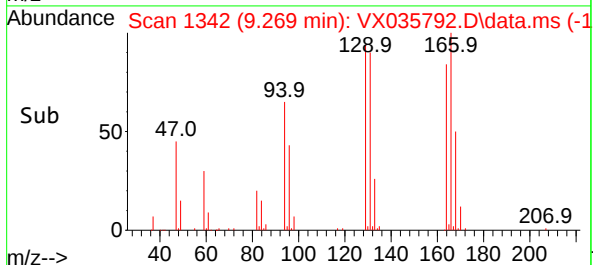
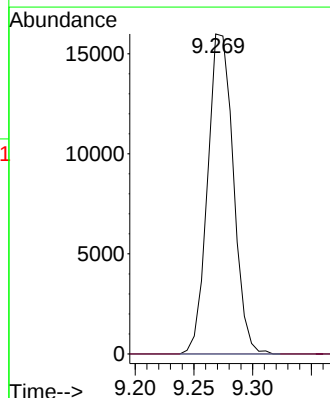
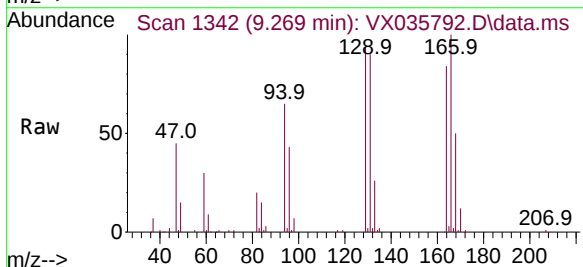
Acq: 22 May 2023 18:08

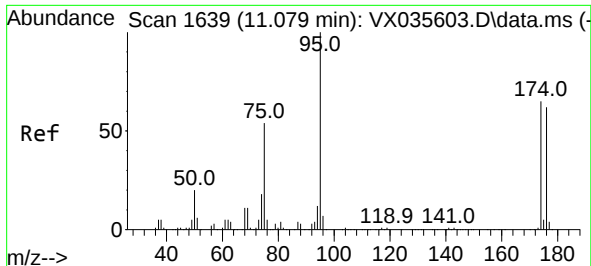
Tgt Ion: 129 Resp: 24338

Ion Ratio Lower Upper

129 100

127 0.0 39.0 117.0#

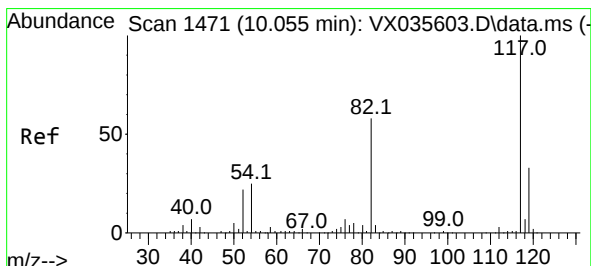
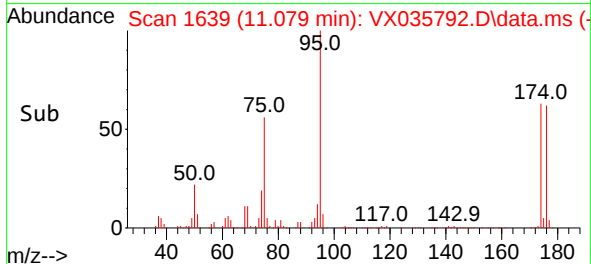
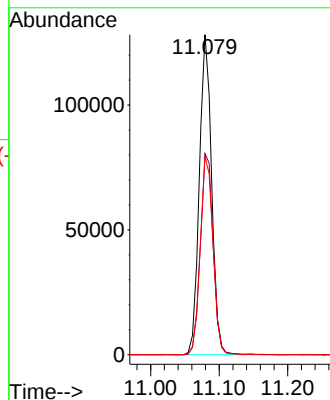
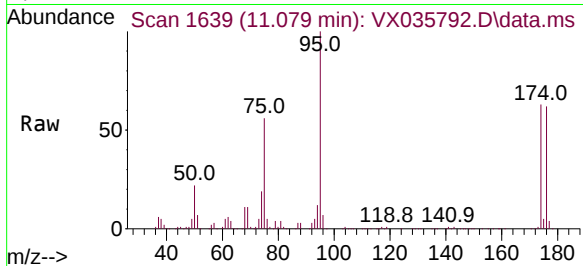




#62
4-Bromofluorobenzene
Concen: 46.768 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035792.D
Acq: 22 May 2023 18:08

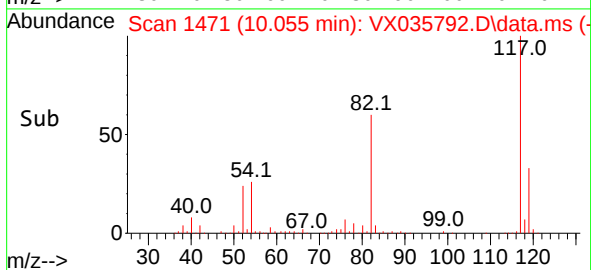
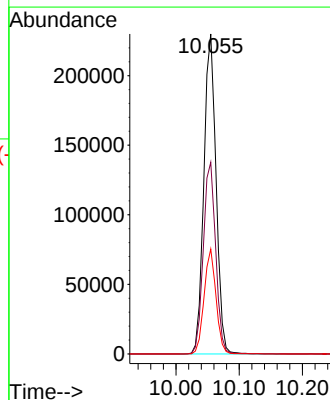
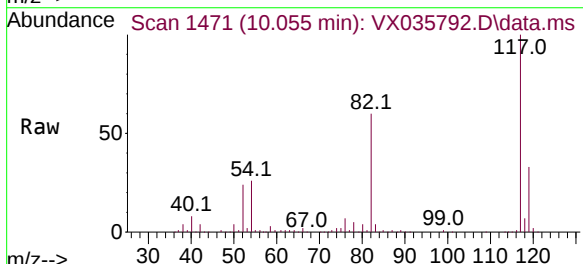
Instrument :
MSVOA_X
ClientSampleId :
FSND-PRO-08-81-05112023

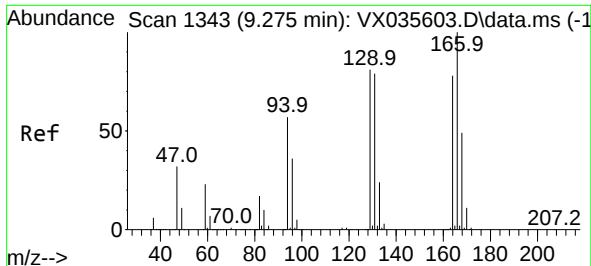
Tgt Ion: 95 Resp: 159992
Ion Ratio Lower Upper
95 100
174 65.5 0.0 147.4
176 64.1 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX035792.D
Acq: 22 May 2023 18:08

Tgt Ion: 117 Resp: 309530
Ion Ratio Lower Upper
117 100
82 59.9 45.0 67.4
119 32.8 26.0 39.0

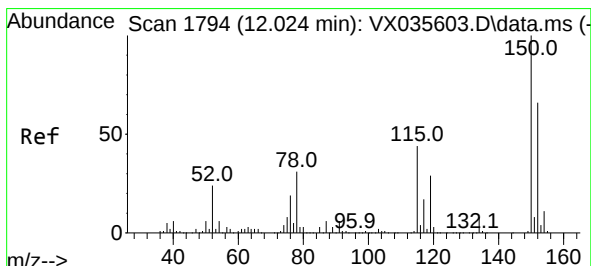
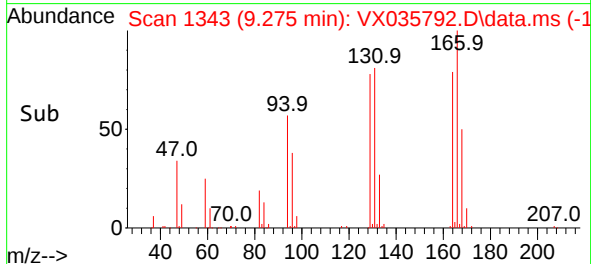
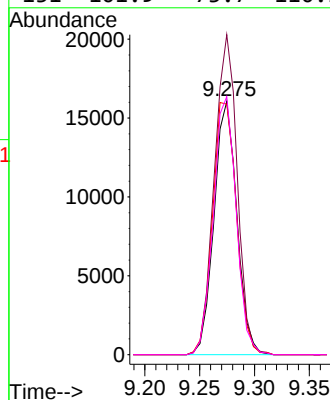
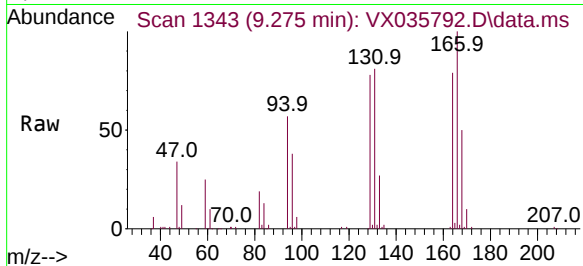




#64
Tetrachloroethene
Concen: 11.173 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035792.D
Acq: 22 May 2023 18:08

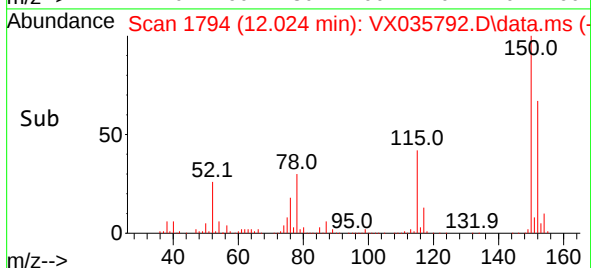
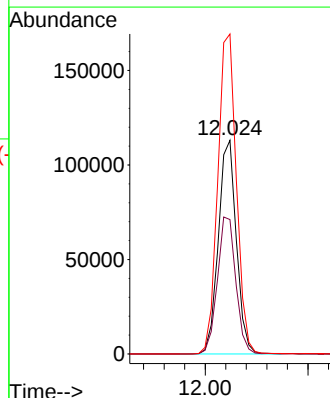
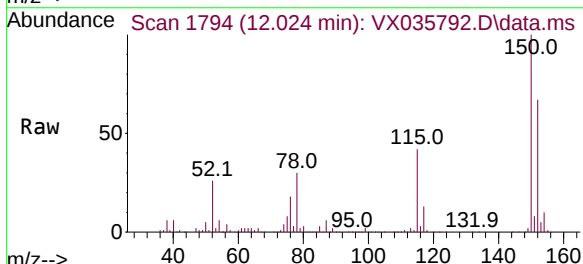
Instrument :
MSVOA_X
ClientSampleId :
FSND-PRO-08-81-05112023

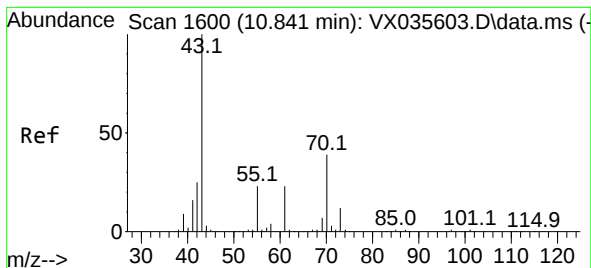
Tgt Ion:164	Resp:	23284
Ion Ratio	Lower	Upper
164	100	
166	126.3	102.7 154.1
129	98.9	75.6 113.4
131	101.9	73.7 110.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX035792.D
Acq: 22 May 2023 18:08

Tgt Ion:152	Resp:	137489
Ion Ratio	Lower	Upper
152	100	
115	65.6	45.0 135.0
150	154.6	0.0 352.4





#74

N-amy1 acetate

Concen: 3.718 ug/l

RT: 10.854 min Scan# 1

Delta R.T. 0.013 min

Lab File: VX035792.D

Acq: 22 May 2023 18:08

Instrument :

MSVOA_X

ClientSampleId :

FSND-PRO-08-81-05112023

Tgt Ion: 43 Resp: 20082

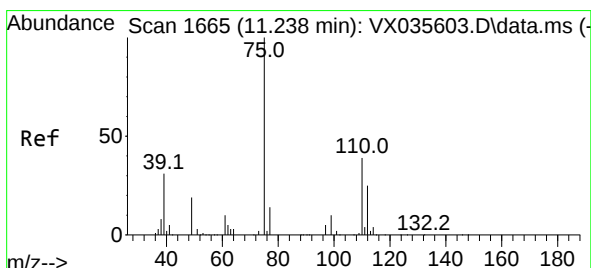
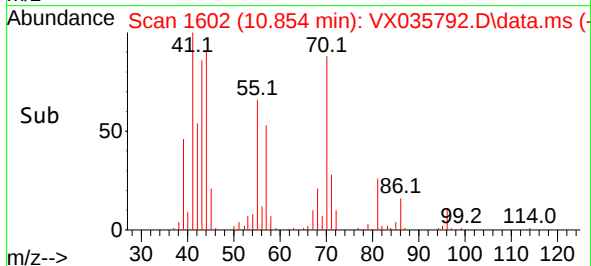
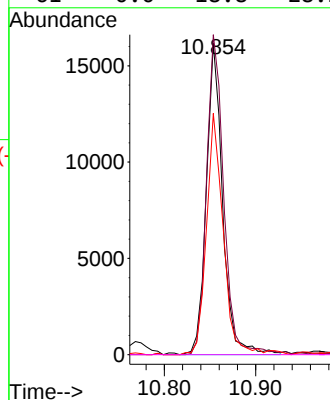
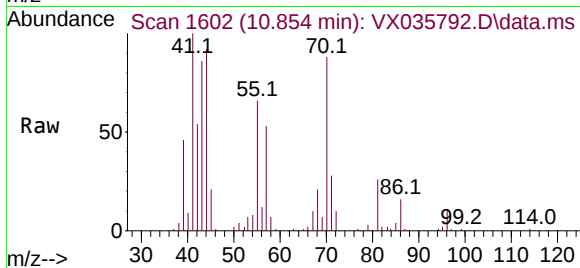
Ion Ratio Lower Upper

43 100

70 108.4 32.1 48.1#

55 79.0 18.3 27.5#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 26.936 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX035792.D

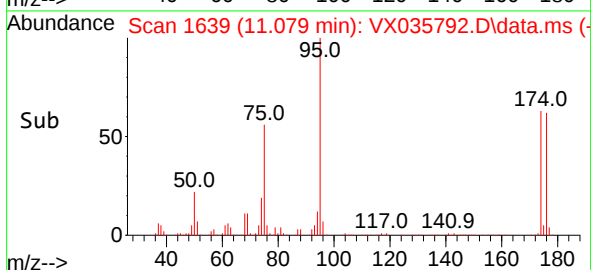
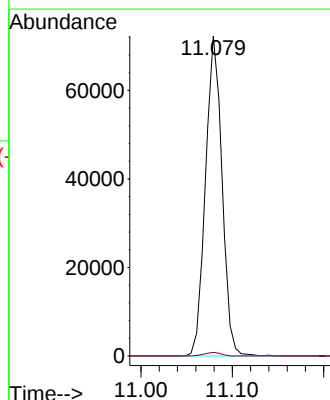
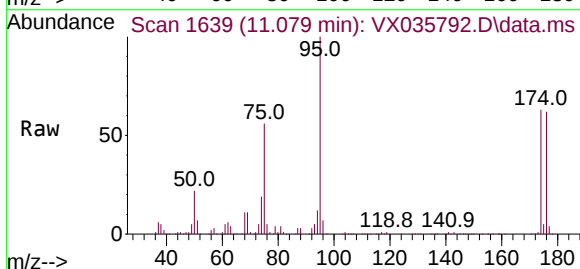
Acq: 22 May 2023 18:08

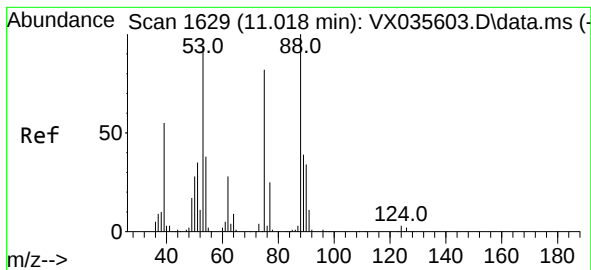
Tgt Ion: 75 Resp: 90588

Ion Ratio Lower Upper

75 100

77 1.1 21.6 64.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.812 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX035792.D
 Acq: 22 May 2023 18:08

Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-PRO-08-81-05112023

Tgt Ion: 75 Resp: 90588
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 36.9 55.3#

