

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051523\
 Data File : VX035660.D
 Acq On : 15 May 2023 13:16
 Operator : JC/MD
 Sample : 02751-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-PRO-01-89-05062023

Quant Time: May 16 04:58:00 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)

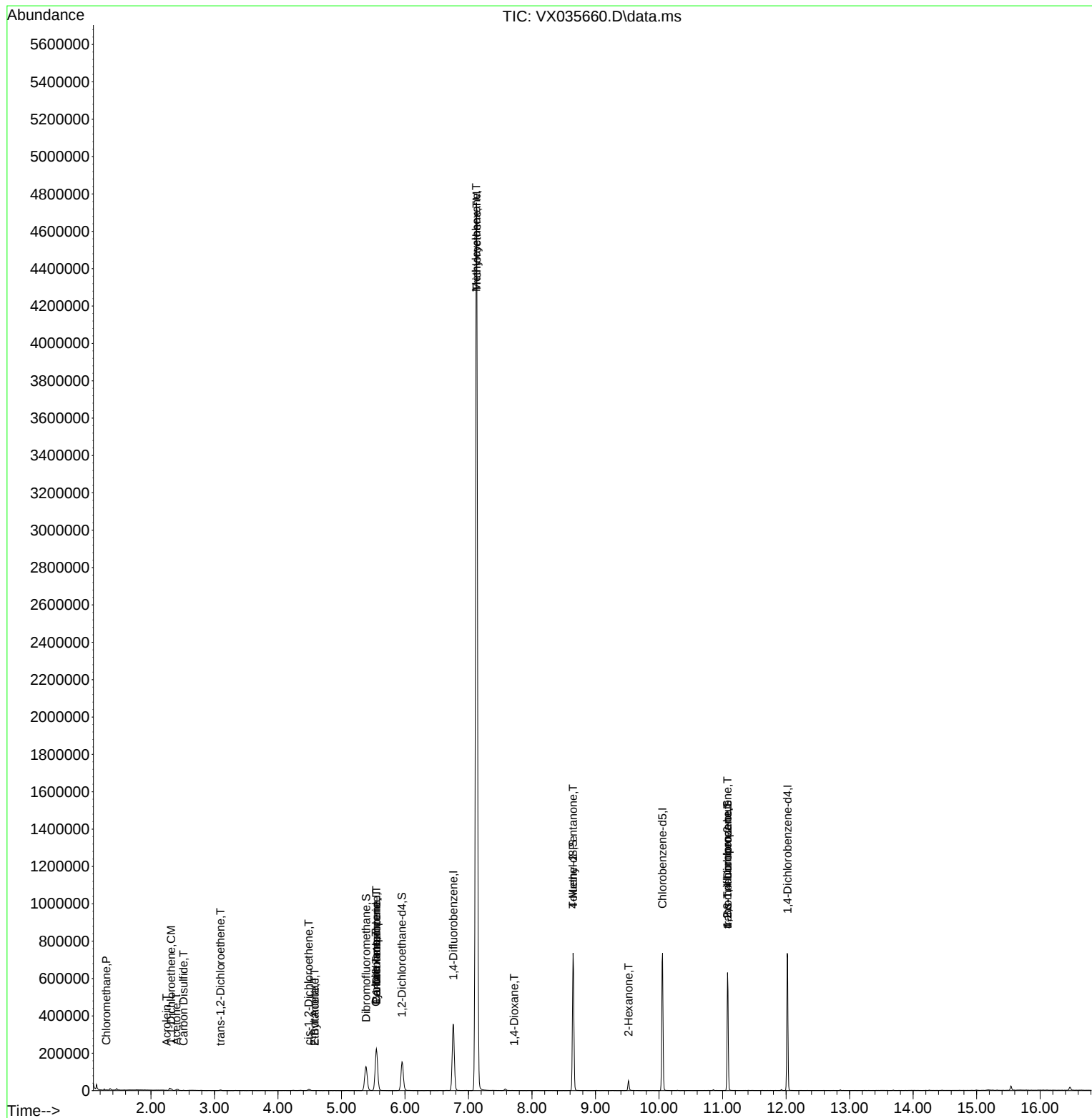
Internal Standards						
1) Pentafluorobenzene	5.550	168	188535	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	341750	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	308532	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	138997	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	154961	47.114	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.220%		
35) Dibromofluoromethane	5.385	113	112281	48.717	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.440%		
50) Toluene-d8	8.647	98	408887	48.023	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.040%		
62) 4-Bromofluorobenzene	11.079	95	167879	48.970	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.940%		
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	635	0.213	ug/l #	73
12) 1,1-Dichloroethene	2.318	96	2307	1.099	ug/l	93
13) Acrolein	2.245	56	755	1.096	ug/l	91
16) Acetone	2.398	43	7609	5.383	ug/l	98
17) Carbon Disulfide	2.514	76	1752	0.346	ug/l #	91
21) trans-1,2-Dichloroethene	3.093	96	1484	0.645	ug/l	82
25) 2-Butanone	4.574	43	1032	0.527	ug/l #	51
27) cis-1,2-Dichloroethene	4.483	96	3977	1.438	ug/l	94
31) Cyclohexane	5.544	56	5324	1.281	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	18020	4.953	ug/l #	51
37) Ethyl Acetate	4.574	43	1032	0.272	ug/l #	70
38) Carbon Tetrachloride	5.550	117	21790	6.323	ug/l #	15
39) Methylcyclohexane	7.123	83	23648	5.522	ug/l #	1
44) Trichloroethene	7.129	130	1774984	687.830	ug/l	95
49) 1,4-Dioxane	7.720	88	94	3.298	ug/l #	23
51) 4-Methyl-2-Pentanone	8.647	43	2286	0.600	ug/l #	1
59) 2-Hexanone	9.518	43	7778	2.709	ug/l #	49
76) 1,2,3-Trichloropropane	11.079	75	92909	27.327	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	92909	88.071	ug/l #	8

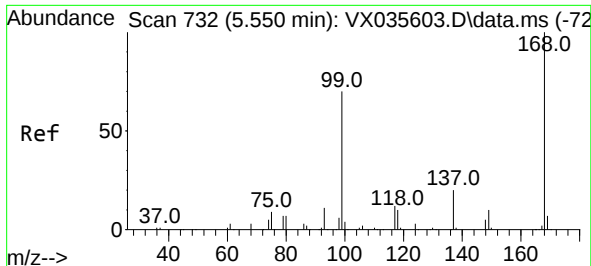
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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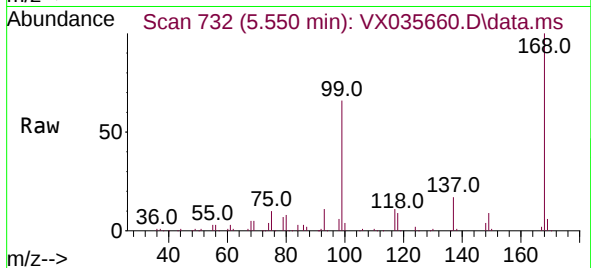
Quant Time: May 16 04:58:00 2023
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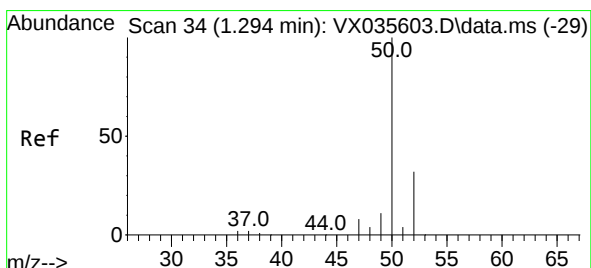
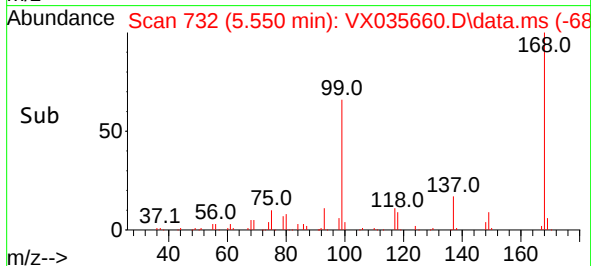
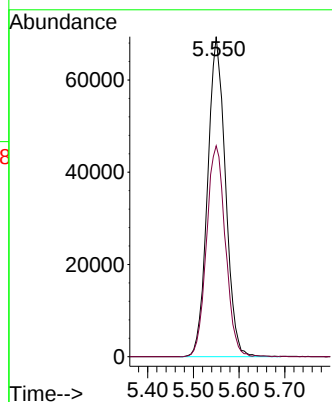


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX035660.D
Acq: 15 May 2023 13:16

Instrument :
MSVOA_X
ClientSampleId :
FSND-PRO-01-89-05062023

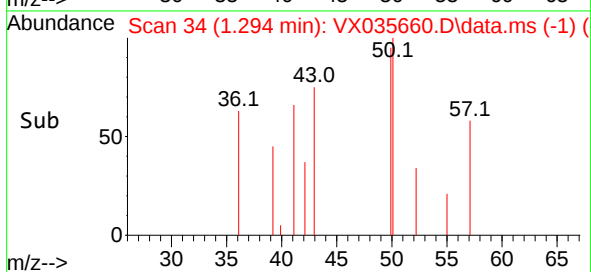
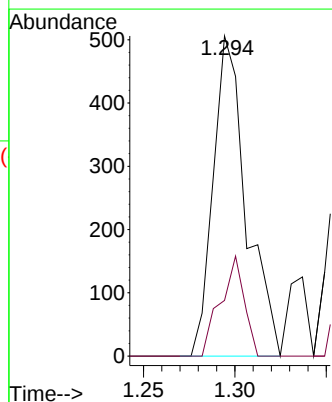
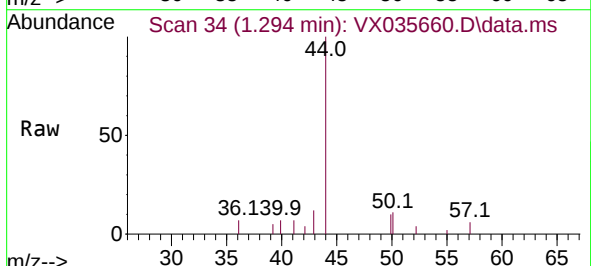


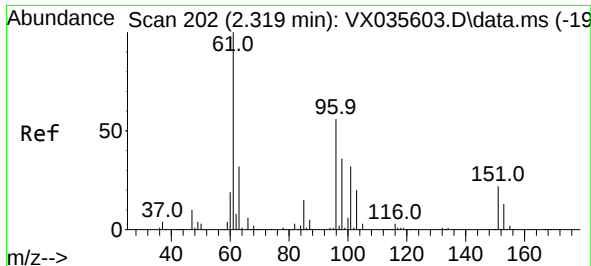
Tgt Ion:168 Resp: 188535
Ion Ratio Lower Upper
168 100
99 65.9 45.7 68.5



#3
Chloromethane
Concen: 0.213 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX035660.D
Acq: 15 May 2023 13:16

Tgt Ion: 50 Resp: 635
Ion Ratio Lower Upper
50 100
52 17.4 25.9 38.9#





#12

1,1-Dichloroethene

Concen: 1.099 ug/l

RT: 2.318 min Scan# 20

Delta R.T. -0.001 min

Lab File: VX035660.D

Acq: 15 May 2023 13:16

Instrument :

MSVOA_X

ClientSampleId :

FSND-PRO-01-89-05062023

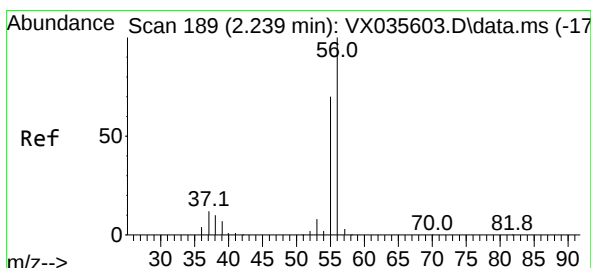
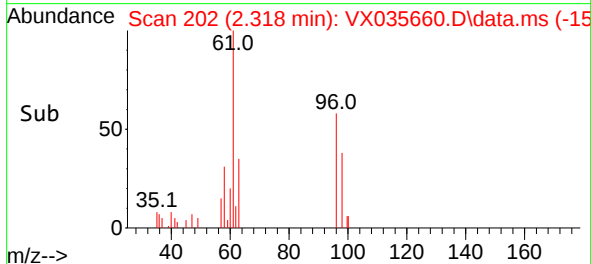
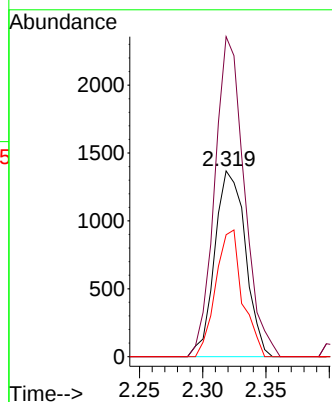
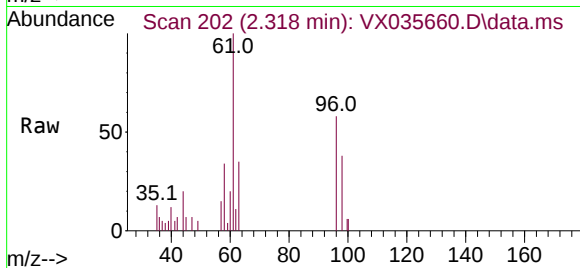
Tgt Ion: 96 Resp: 2307

Ion Ratio Lower Upper

96 100

61 172.3 128.8 193.2

98 65.6 51.4 77.0



#13

Acrolein

Concen: 1.096 ug/l

RT: 2.245 min Scan# 190

Delta R.T. 0.006 min

Lab File: VX035660.D

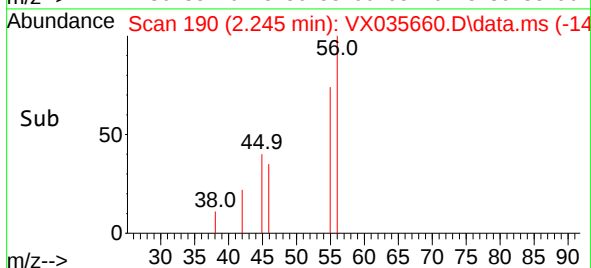
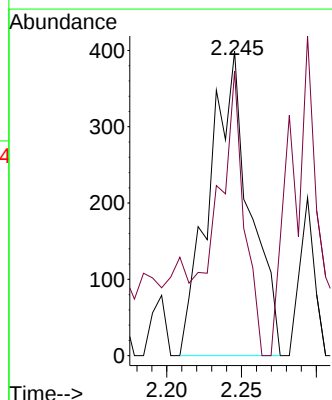
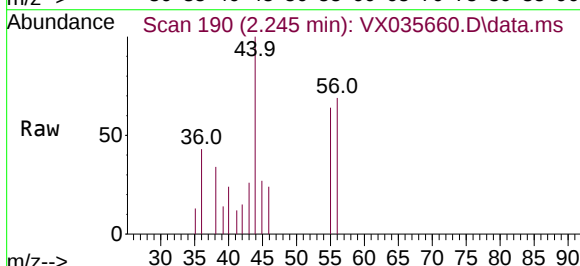
Acq: 15 May 2023 13:16

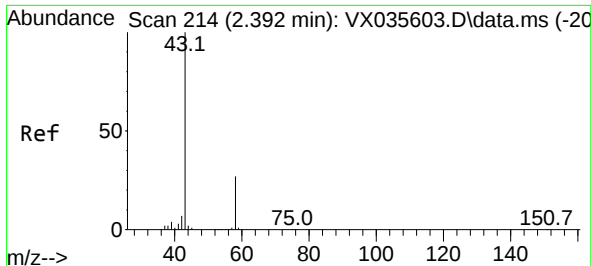
Tgt Ion: 56 Resp: 755

Ion Ratio Lower Upper

56 100

55 63.3 56.6 85.0

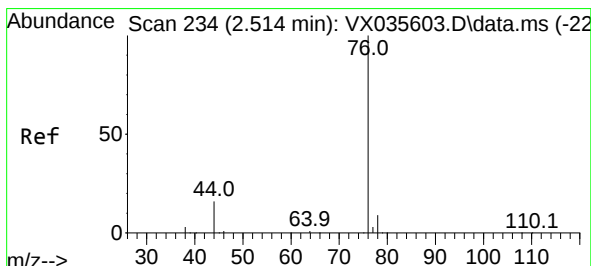
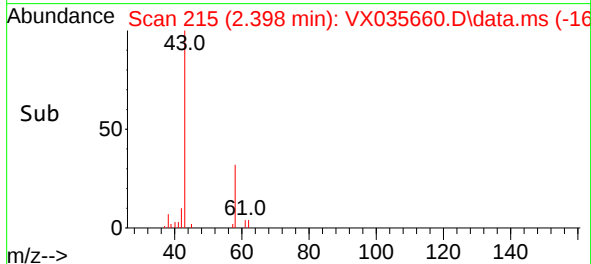
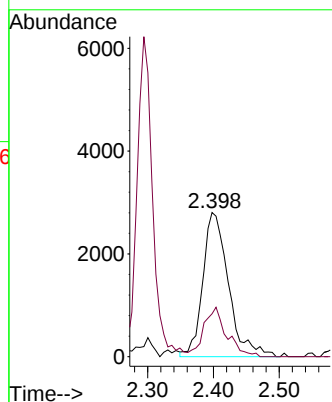
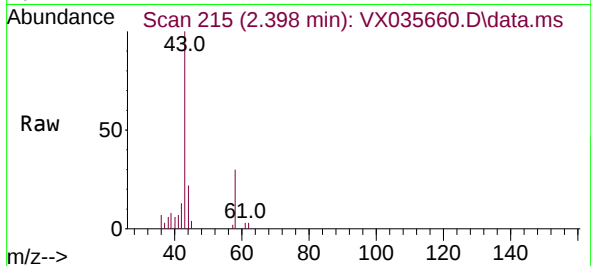




#16
Acetone
Concen: 5.383 ug/l
RT: 2.398 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX035660.D
Acq: 15 May 2023 13:16

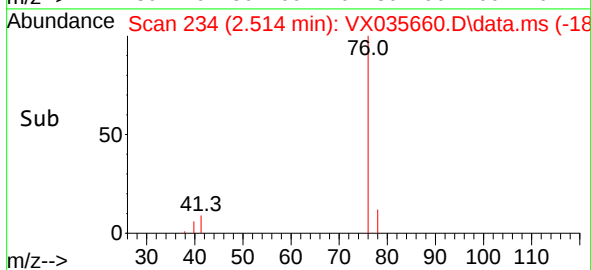
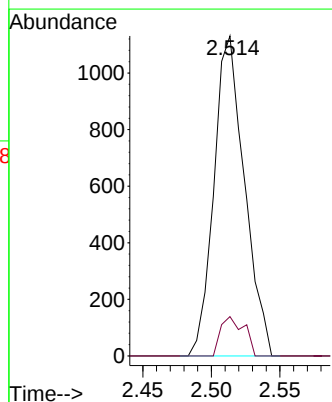
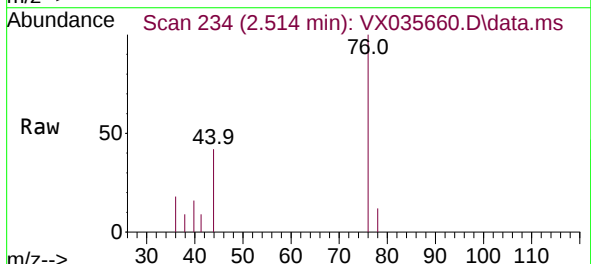
Instrument :
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FSND-PRO-01-89-05062023

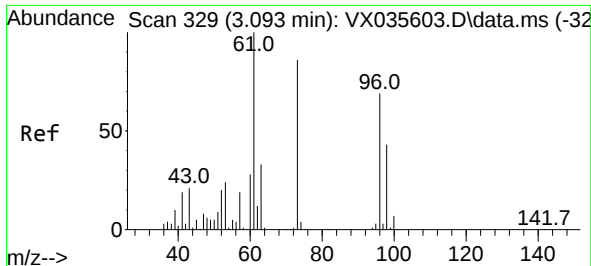
Tgt Ion: 43 Resp: 7609
Ion Ratio Lower Upper
43 100
58 29.7 24.7 37.1



#17
Carbon Disulfide
Concen: 0.346 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX035660.D
Acq: 15 May 2023 13:16

Tgt Ion: 76 Resp: 1752
Ion Ratio Lower Upper
76 100
78 12.3 7.2 10.8#

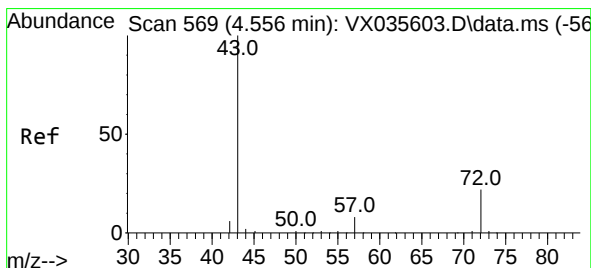
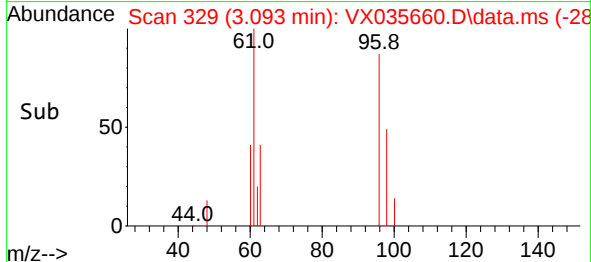
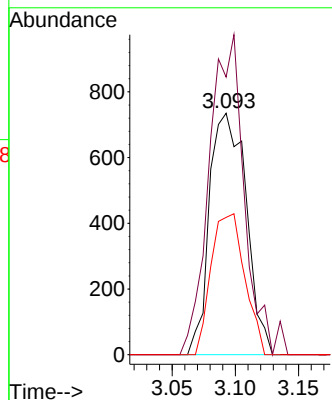
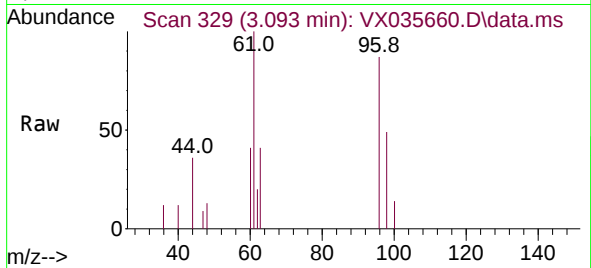




#21
trans-1,2-Dichloroethene
Concen: 0.645 ug/l
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX035660.D
Acq: 15 May 2023 13:16

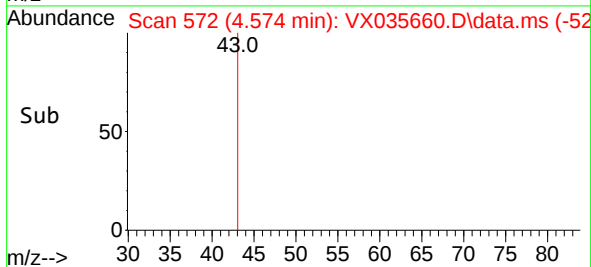
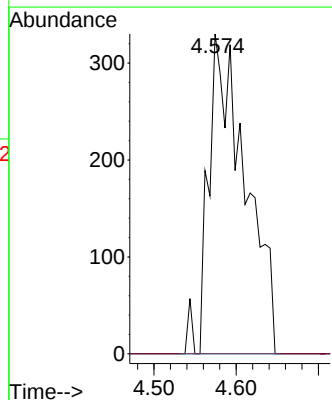
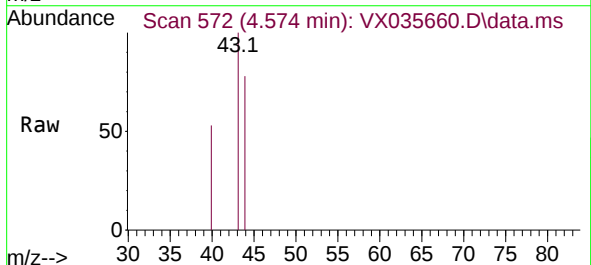
Instrument :
MSVOA_X
ClientSampleId :
FSND-PRO-01-89-05062023

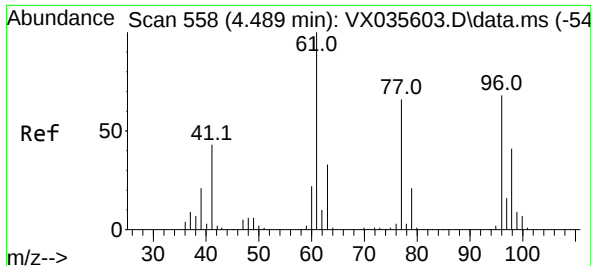
Tgt Ion: 96 Resp: 1484
Ion Ratio Lower Upper
96 100
61 115.0 113.0 169.6
98 56.9 52.1 78.1



#25
2-Butanone
Concen: 0.527 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX035660.D
Acq: 15 May 2023 13:16

Tgt Ion: 43 Resp: 1032
Ion Ratio Lower Upper
43 100
72 0.0 19.3 28.9#





#27

cis-1,2-Dichloroethene

Concen: 1.438 ug/l

RT: 4.483 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX035660.D

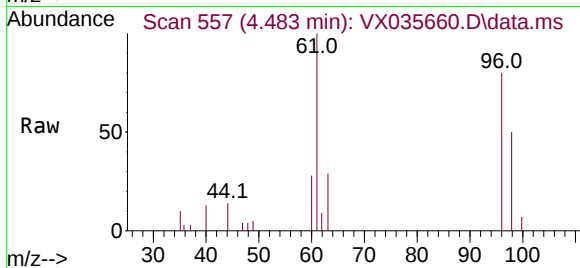
Acq: 15 May 2023 13:16

Instrument :

MSVOA_X

ClientSampleId :

FSND-PRO-01-89-05062023



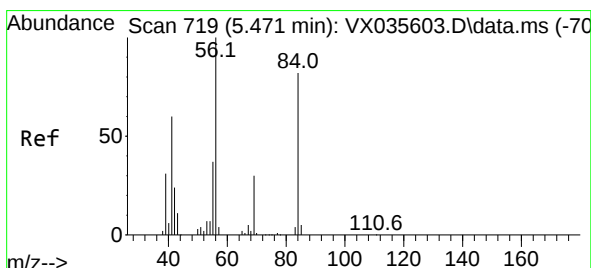
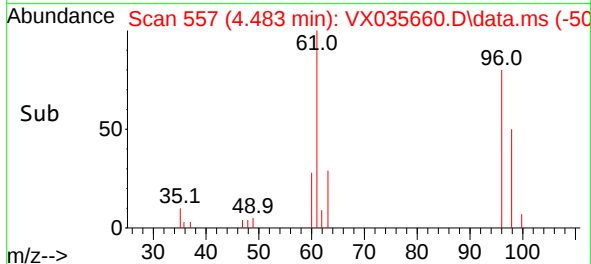
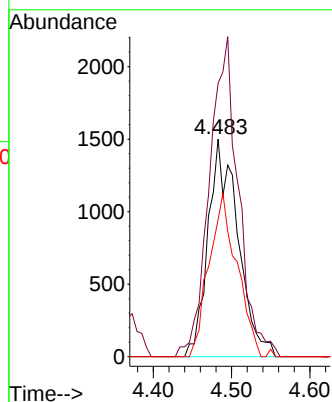
Tgt Ion: 96 Resp: 3977

Ion Ratio Lower Upper

96 100

61 142.8 0.0 300.4

98 70.2 0.0 129.0



#31

Cyclohexane

Concen: 1.281 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX035660.D

Acq: 15 May 2023 13:16

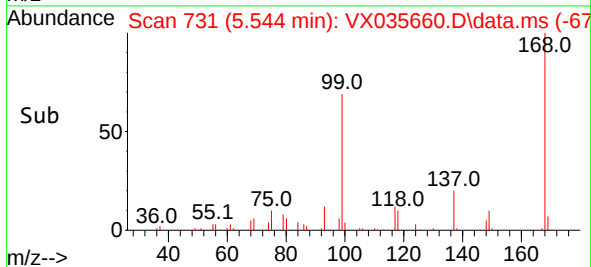
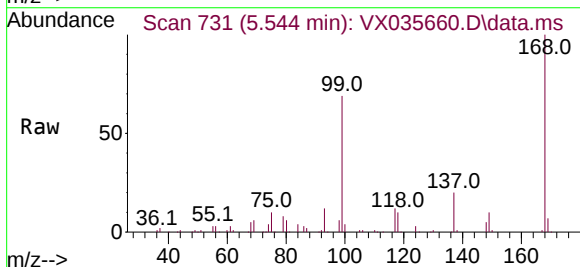
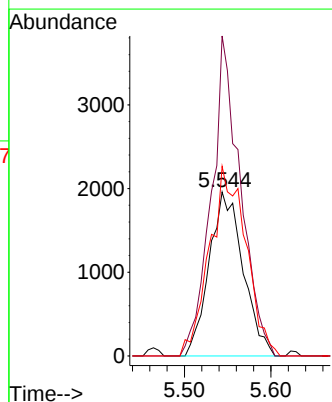
Tgt Ion: 56 Resp: 5324

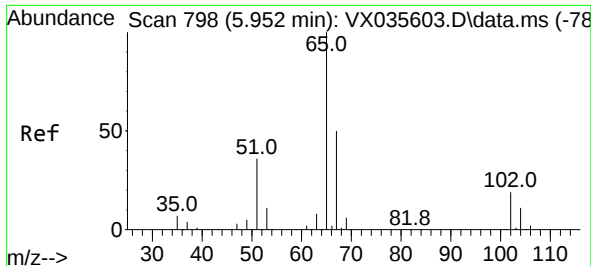
Ion Ratio Lower Upper

56 100

69 195.2 23.7 35.5#

84 115.7 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 47.114 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX035660.D

Acq: 15 May 2023 13:16

Instrument :

MSVOA_X

ClientSampleId :

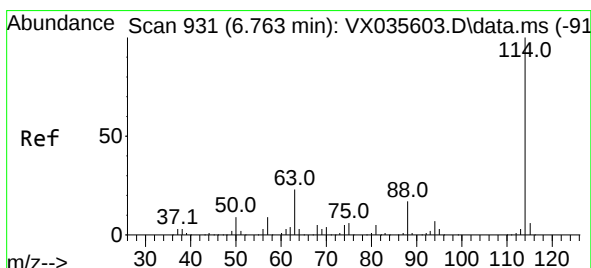
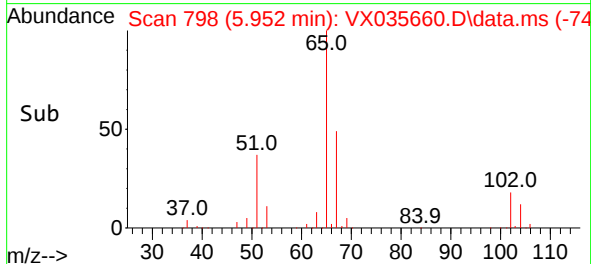
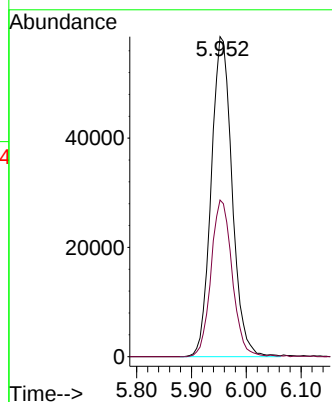
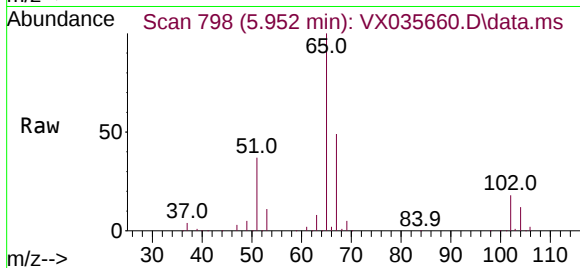
FSND-PRO-01-89-05062023

Tgt Ion: 65 Resp: 154961

Ion Ratio Lower Upper

65 100

67 49.4 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: VX035660.D

Acq: 15 May 2023 13:16

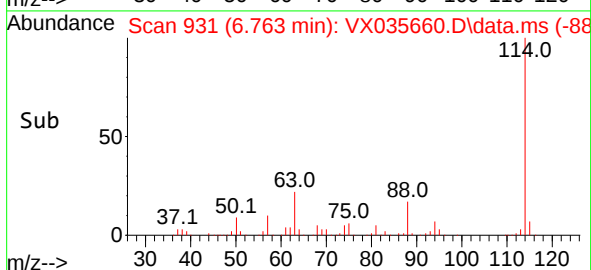
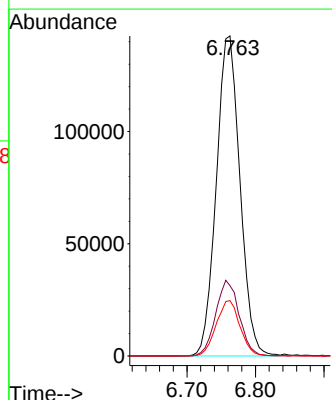
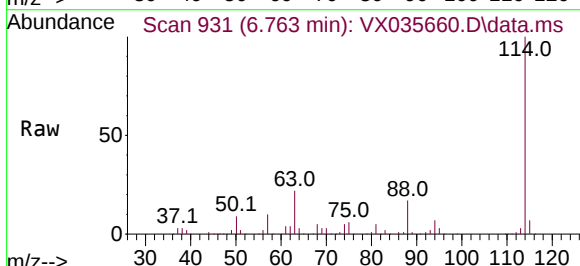
Tgt Ion: 114 Resp: 341750

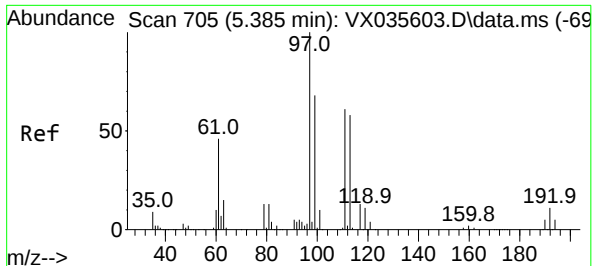
Ion Ratio Lower Upper

114 100

63 22.0 0.0 42.2

88 17.3 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.717 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX035660.D

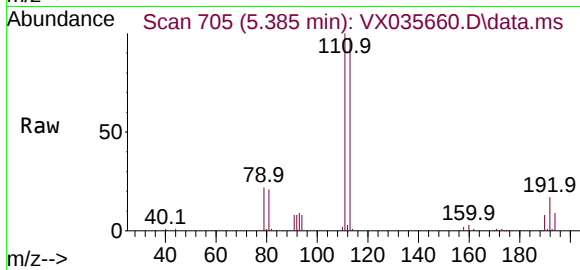
Acq: 15 May 2023 13:16

Instrument :

MSVOA_X

ClientSampleId :

FSND-PRO-01-89-05062023



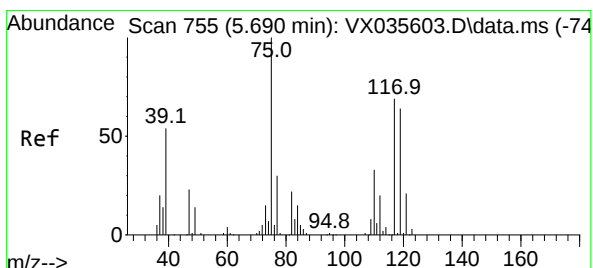
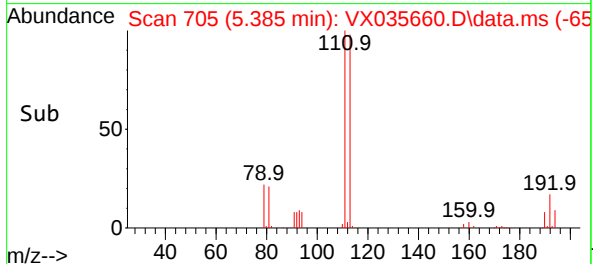
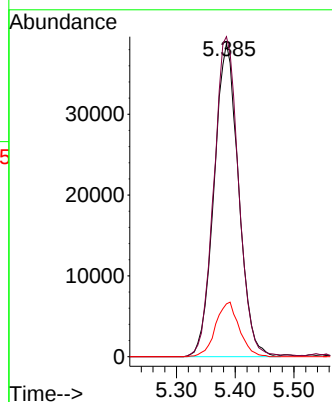
Tgt Ion:113 Resp: 112281

Ion Ratio Lower Upper

113 100

111 103.1 83.7 125.5

192 16.8 15.4 23.2



#36

1,1-Dichloropropene

Concen: 4.953 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX035660.D

Acq: 15 May 2023 13:16

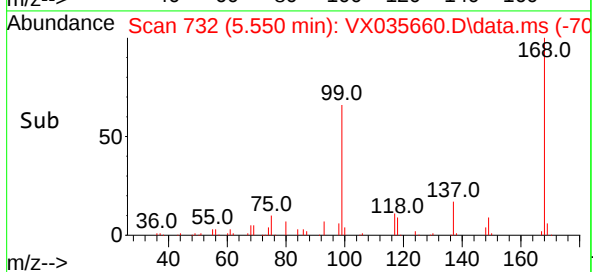
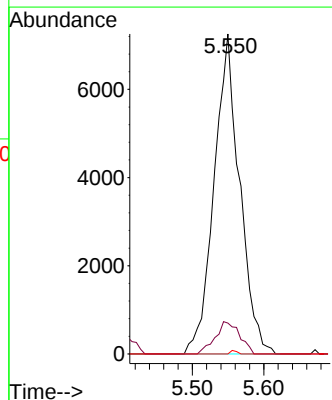
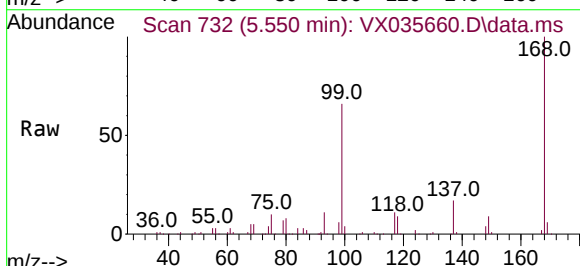
Tgt Ion: 75 Resp: 18020

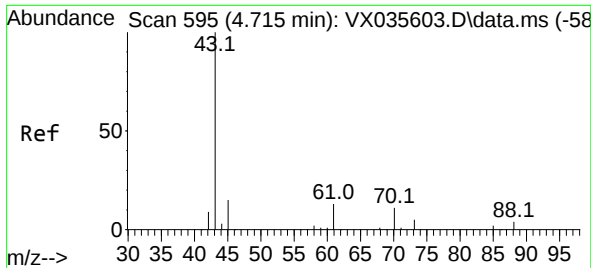
Ion Ratio Lower Upper

75 100

110 9.6 17.5 52.5#

77 0.3 24.3 36.5#

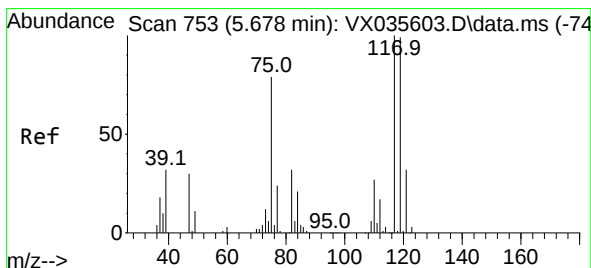
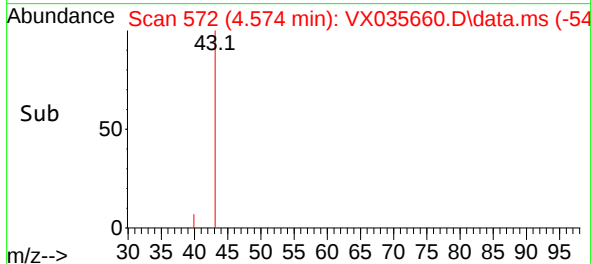
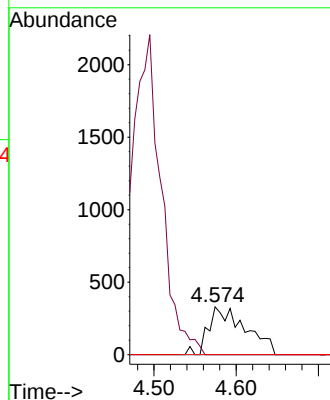
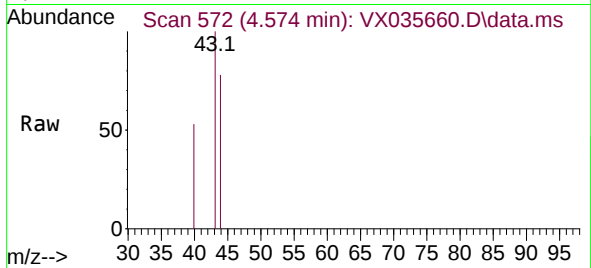




#37
Ethyl Acetate
Concen: 0.272 ug/l
RT: 4.574 min Scan# 51
Delta R.T. -0.141 min
Lab File: VX035660.D
Acq: 15 May 2023 13:16

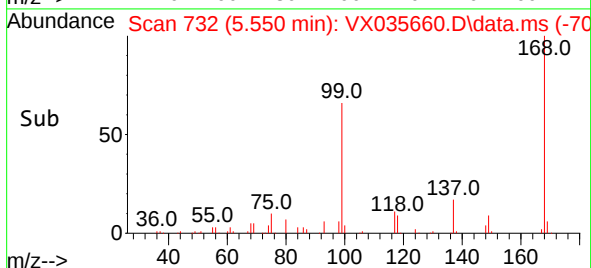
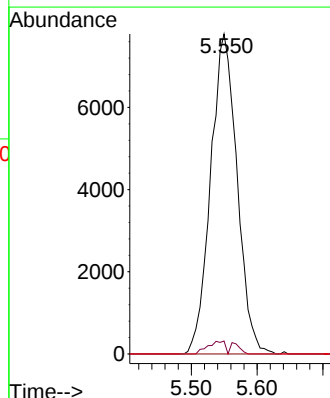
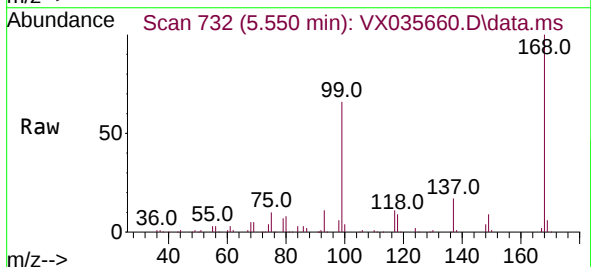
Instrument :
MSVOA_X
ClientSampleId :
FSND-PRO-01-89-05062023

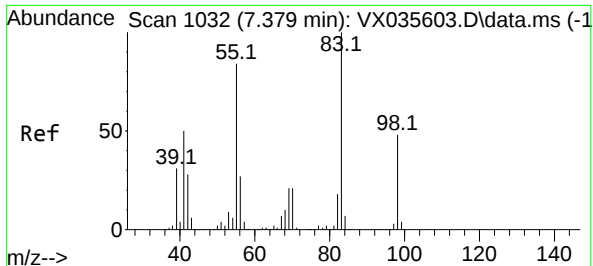
Tgt Ion: 43 Resp: 1032
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 0.0 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 6.323 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX035660.D
Acq: 15 May 2023 13:16

Tgt Ion: 117 Resp: 21790
Ion Ratio Lower Upper
117 100
119 4.0 76.6 114.8#
121 0.0 23.8 35.6#





#39

Methylcyclohexane

Concen: 5.522 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.256 min

Lab File: VX035660.D

Acq: 15 May 2023 13:16

Instrument :

MSVOA_X

ClientSampleId :

FSND-PRO-01-89-05062023

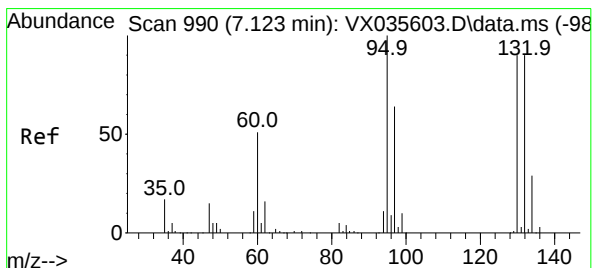
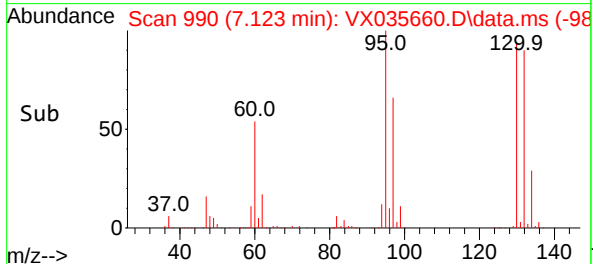
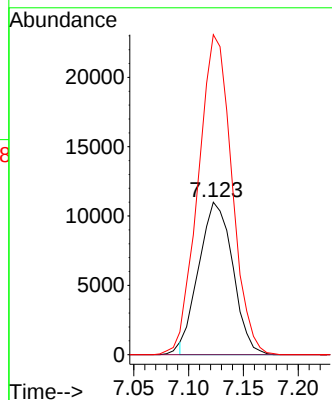
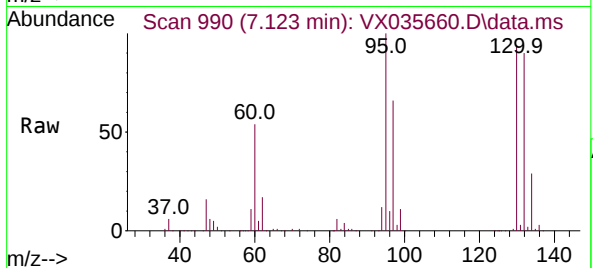
Tgt Ion: 83 Resp: 23648

Ion Ratio Lower Upper

83 100

55 0.0 60.5 90.7#

98 209.8 40.4 60.6#



#44

Trichloroethene

Concen: 687.830 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.006 min

Lab File: VX035660.D

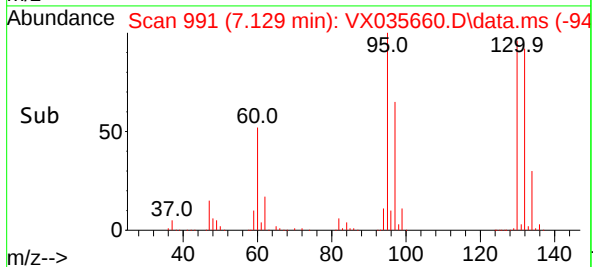
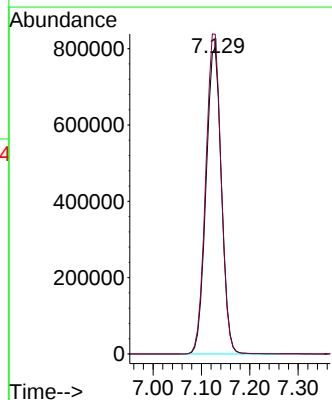
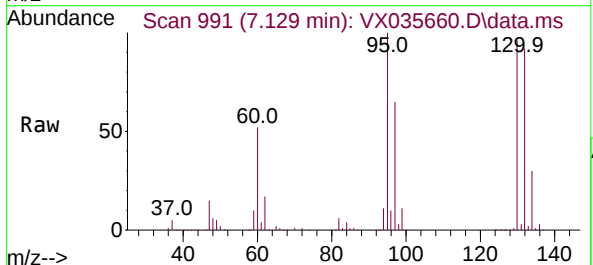
Acq: 15 May 2023 13:16

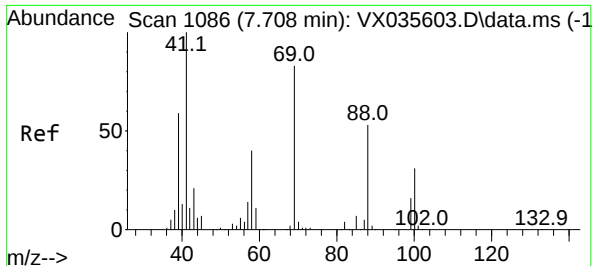
Tgt Ion:130 Resp: 1774984

Ion Ratio Lower Upper

130 100

95 104.4 0.0 198.4





#49

1,4-Dioxane

Concen: 3.298 ug/l

RT: 7.720 min Scan# 1086

Delta R.T. 0.012 min

Lab File: VX035660.D

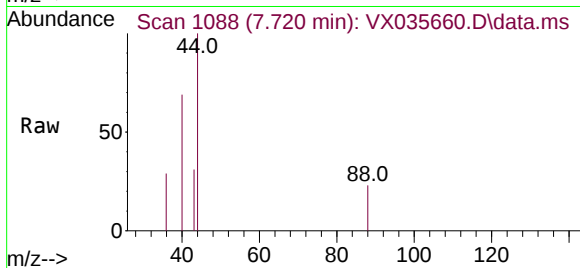
Acq: 15 May 2023 13:16

Instrument :

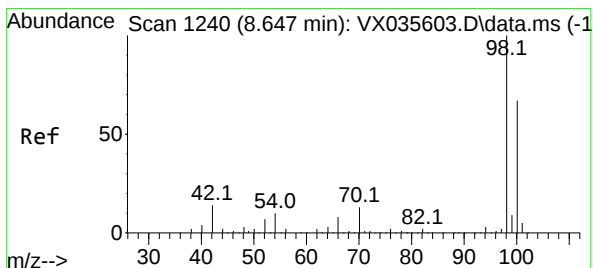
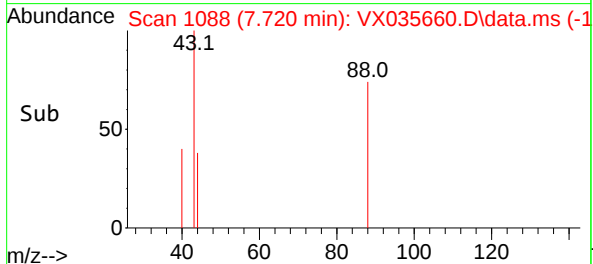
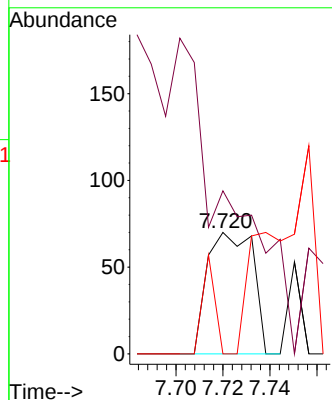
MSVOA_X

ClientSampleId :

FSND-PRO-01-89-05062023



Tgt Ion:	88	Resp:	94
Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.7	41.5#
58	0.0	56.8	85.2#



#50

Toluene-d8

Concen: 48.023 ug/l

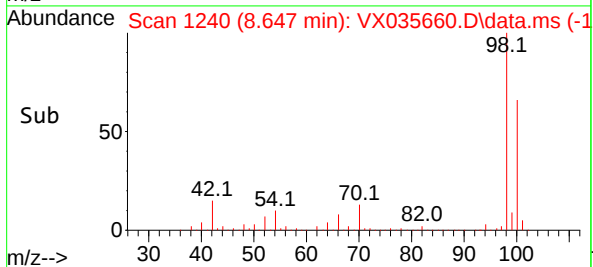
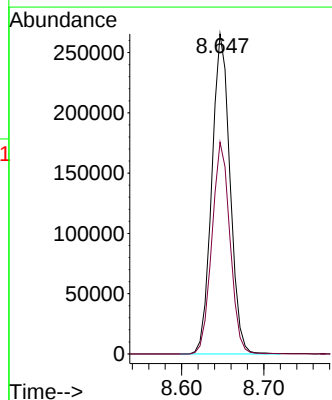
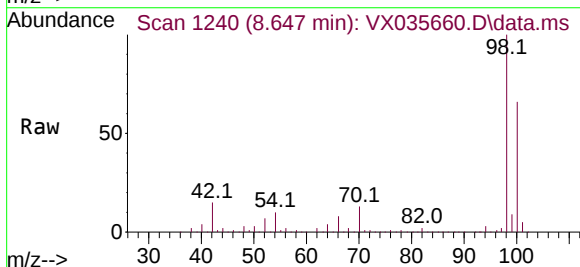
RT: 8.647 min Scan# 1240

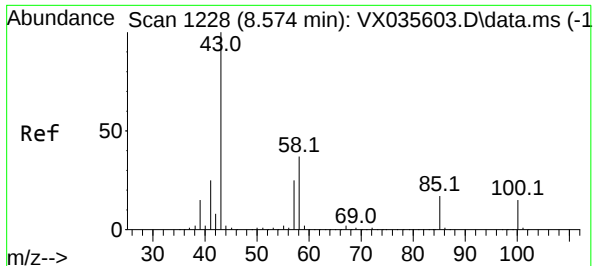
Delta R.T. -0.000 min

Lab File: VX035660.D

Acq: 15 May 2023 13:16

Tgt Ion:	98	Resp:	408887
Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.5	78.7





#51

4-Methyl-2-Pentanone

Concen: 0.600 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX035660.D

Acq: 15 May 2023 13:16

Instrument :

MSVOA_X

ClientSampleId :

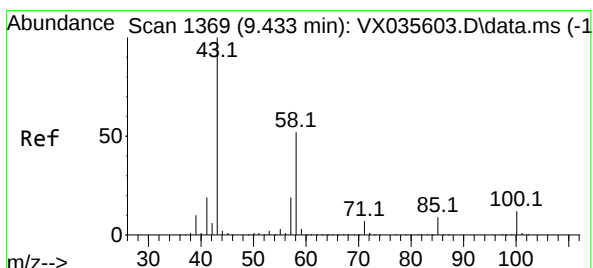
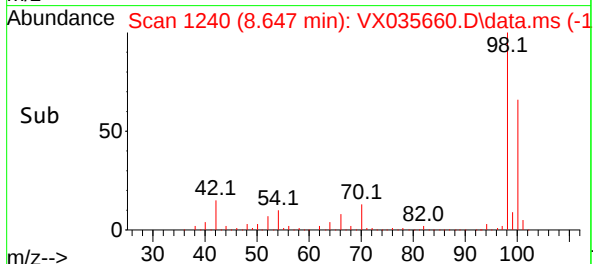
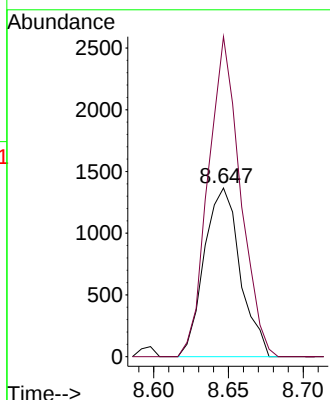
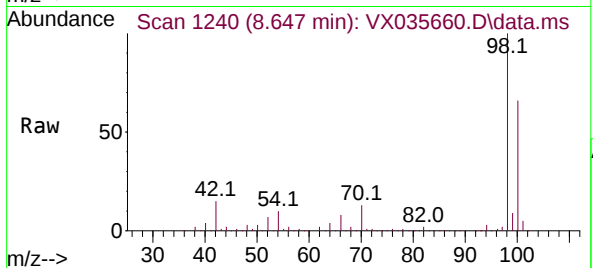
FSND-PRO-01-89-05062023

Tgt Ion: 43 Resp: 2286

Ion Ratio Lower Upper

43 100

58 169.8 30.6 46.0#



#59

2-Hexanone

Concen: 2.709 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. 0.085 min

Lab File: VX035660.D

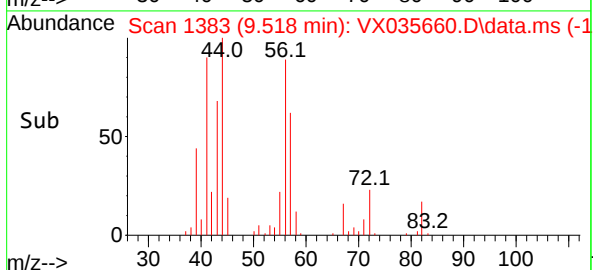
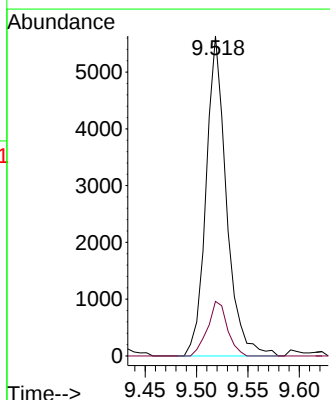
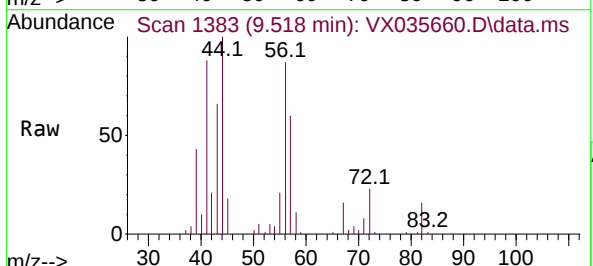
Acq: 15 May 2023 13:16

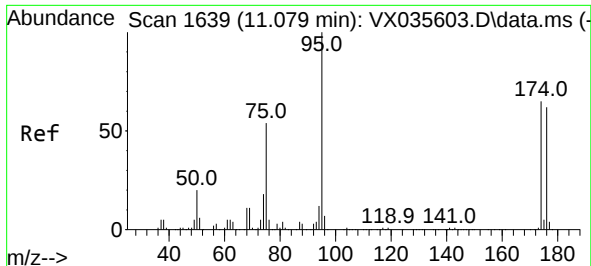
Tgt Ion: 43 Resp: 7778

Ion Ratio Lower Upper

43 100

58 16.5 26.3 78.9#





#62

4-Bromofluorobenzene

Concen: 48.970 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX035660.D

Acq: 15 May 2023 13:16

Instrument :

MSVOA_X

ClientSampleId :

FSND-PRO-01-89-05062023

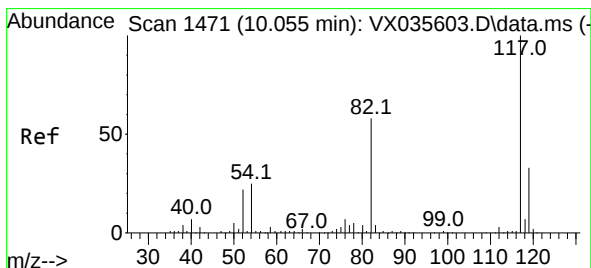
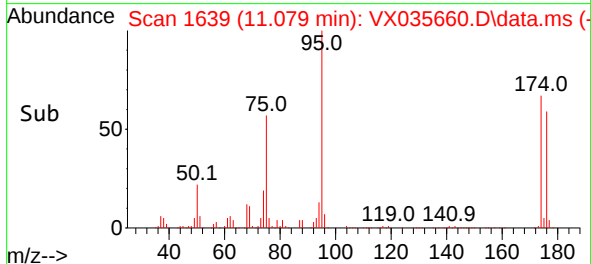
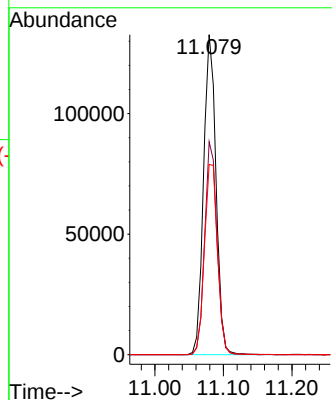
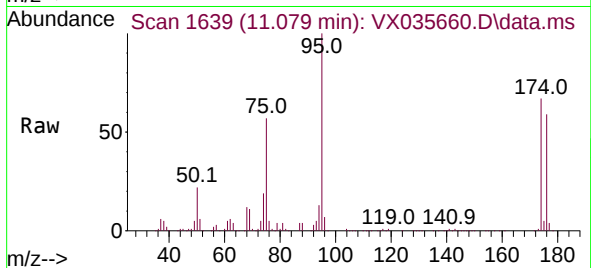
Tgt Ion: 95 Resp: 167879

Ion Ratio Lower Upper

95 100

174 65.8 0.0 147.4

176 62.7 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: VX035660.D

Acq: 15 May 2023 13:16

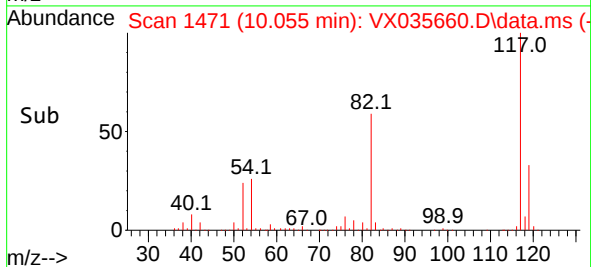
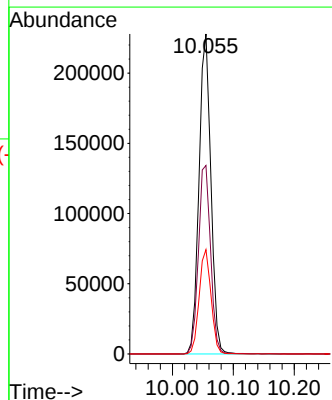
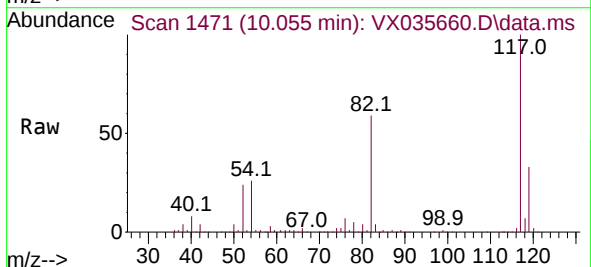
Tgt Ion: 117 Resp: 308532

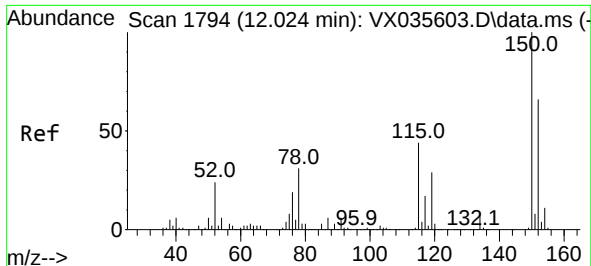
Ion Ratio Lower Upper

117 100

82 58.9 45.0 67.4

119 32.6 26.0 39.0

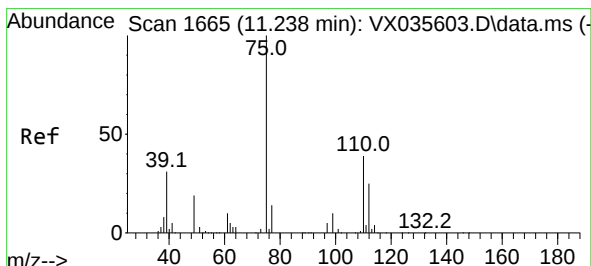
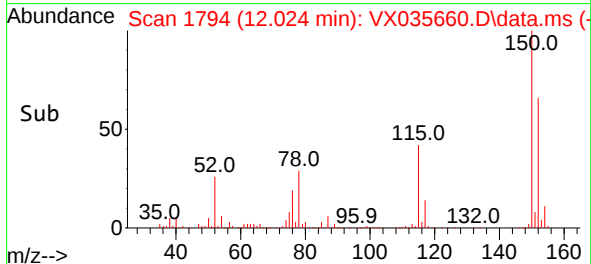
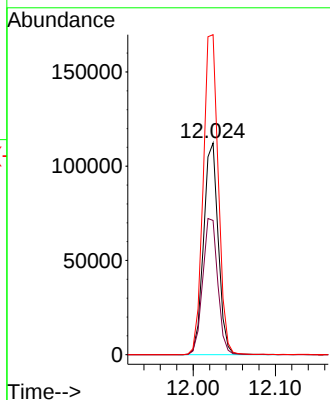
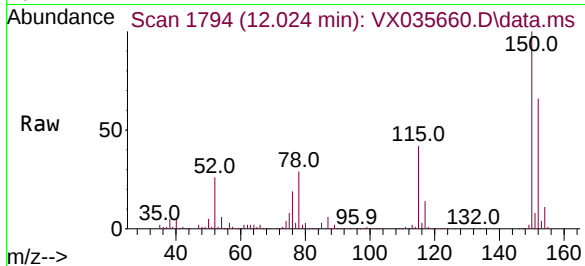




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX035660.D
 Acq: 15 May 2023 13:16

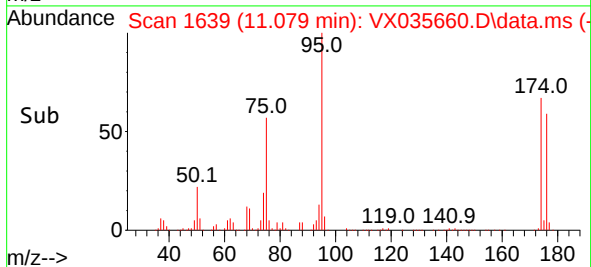
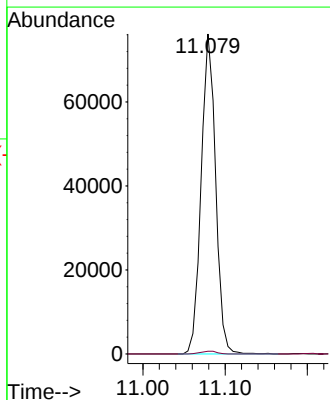
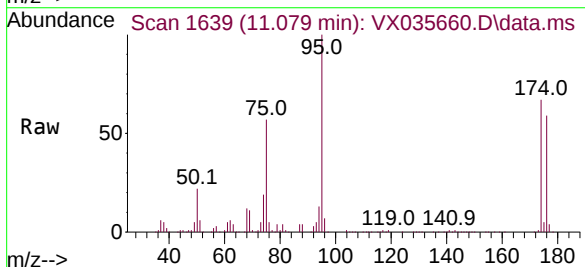
Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-PRO-01-89-05062023

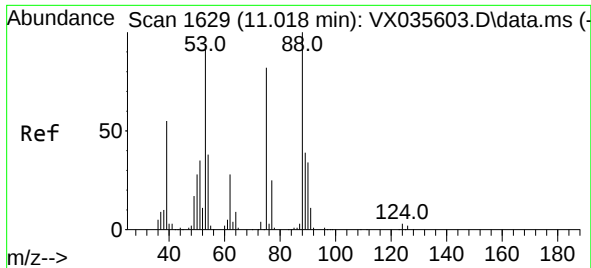
Tgt Ion:152 Resp: 138997
 Ion Ratio Lower Upper
 152 100
 115 65.9 45.0 135.0
 150 155.6 0.0 352.4



#76
 1,2,3-Trichloropropane
 Concen: 27.327 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX035660.D
 Acq: 15 May 2023 13:16

Tgt Ion: 75 Resp: 92909
 Ion Ratio Lower Upper
 75 100
 77 1.0 21.6 64.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.071 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX035660.D
 Acq: 15 May 2023 13:16

Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-PRO-01-89-05062023

Tgt Ion: 75 Resp: 92909
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 36.9 55.3#

