

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051923\
 Data File : VX035763.D
 Acq On : 19 May 2023 16:18
 Operator : JC/MD
 Sample : 02860-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-PRO-09-73-05162023

Quant Time: May 22 05:18:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 11 13:57:54 2023
 Response via : Initial Calibration

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

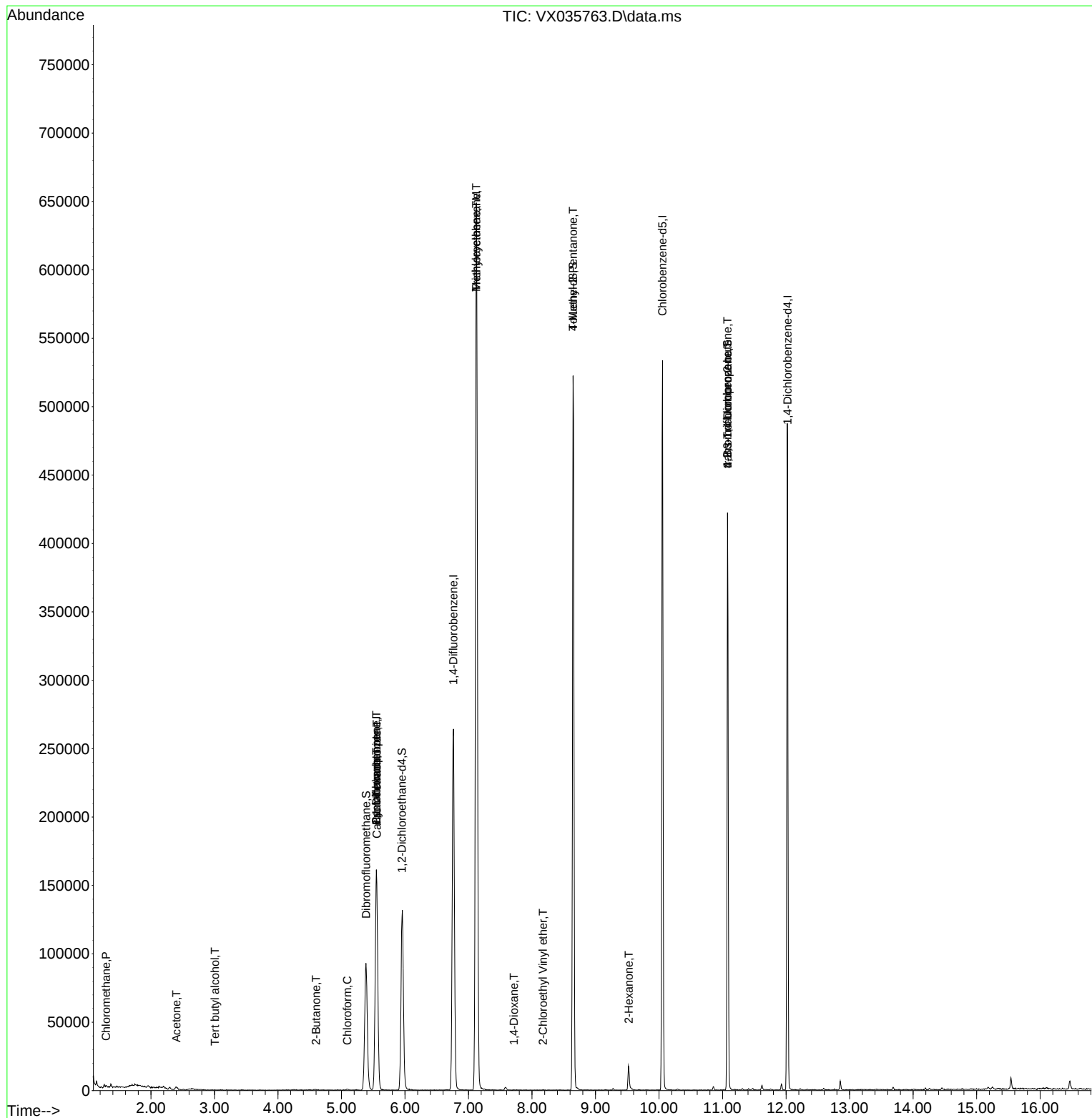
Internal Standards						
1) Pentafluorobenzene	5.550	168	134824	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	252153	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	216616	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89926	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	130833	55.625	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	111.240%
35) Dibromofluoromethane	5.385	113	80282	47.210	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.420%
50) Toluene-d8	8.647	98	295392	47.021	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.040%
62) 4-Bromofluorobenzene	11.079	95	109963	43.473	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.940%
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	974	0.457	ug/l	100
11) Tert butyl alcohol	3.008	59	95	0.229	ug/l #	73
16) Acetone	2.398	43	3213	3.178	ug/l	99
25) 2-Butanone	4.599	43	442	0.316	ug/l #	51
30) Chloroform	5.093	83	857	0.248	ug/l #	55
31) Cyclohexane	5.550	56	3944	1.327	ug/l #	30
36) 1,1-Dichloropropene	5.550	75	12892	4.803	ug/l #	47
38) Carbon Tetrachloride	5.556	117	16158	6.355	ug/l #	15
39) Methylcyclohexane	7.123	83	3326	1.053	ug/l #	1
44) Trichloroethene	7.123	130	236282	124.097	ug/l	95
49) 1,4-Dioxane	7.714	88	54	3.011	ug/l #	1
51) 4-Methyl-2-Pentanone	8.647	43	1749	0.622	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.171	63	311	0.203	ug/l #	47
59) 2-Hexanone	9.525	43	3005	1.419	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	61243	27.843	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	61243	89.733	ug/l #	8

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

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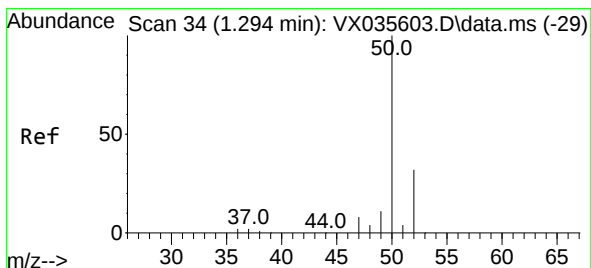
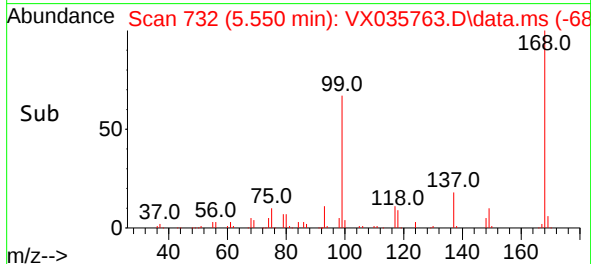
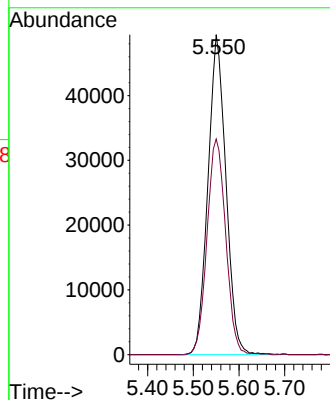
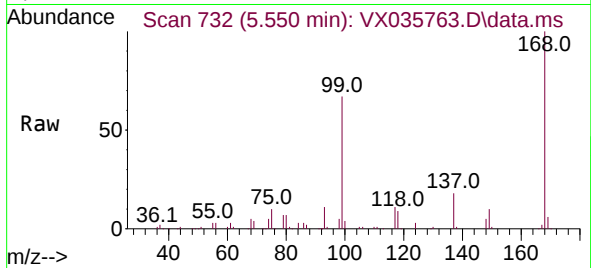




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX035763.D
Acq: 19 May 2023 16:18

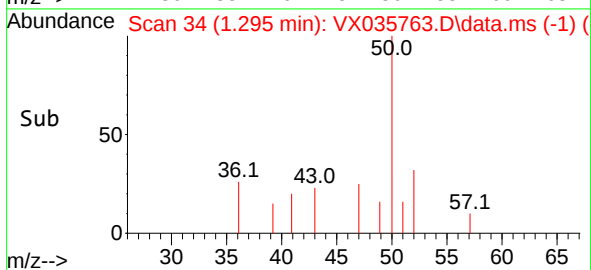
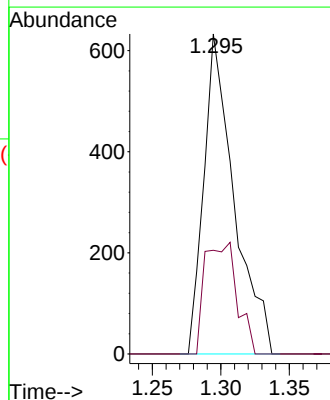
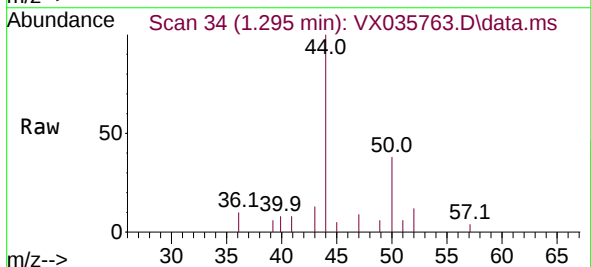
Instrument :
MSVOA_X
ClientSampleId :
FSND-PRO-09-73-05162023

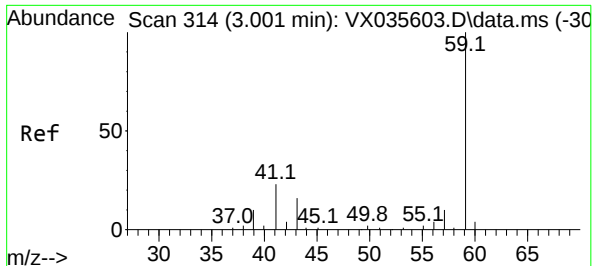
Tgt Ion:168 Resp: 134824
Ion Ratio Lower Upper
168 100
99 67.4 45.7 68.5



#3
Chloromethane
Concen: 0.457 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX035763.D
Acq: 19 May 2023 16:18

Tgt Ion: 50 Resp: 974
Ion Ratio Lower Upper
50 100
52 32.4 25.9 38.9





#11

Tert butyl alcohol

Concen: 0.229 ug/l

RT: 3.008 min Scan# 314

Delta R.T. 0.007 min

Lab File: VX035763.D

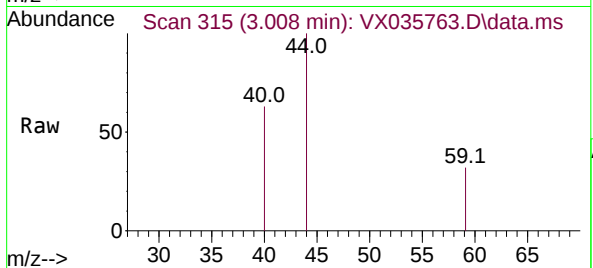
Acq: 19 May 2023 16:18

Instrument :

MSVOA_X

ClientSampleId :

FSND-PRO-09-73-05162023

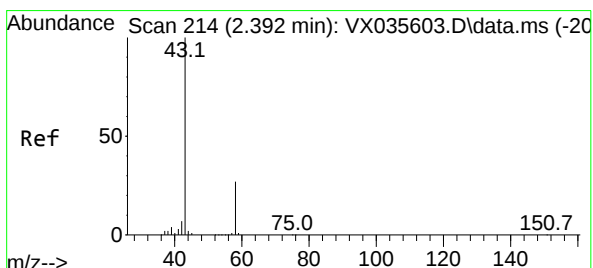
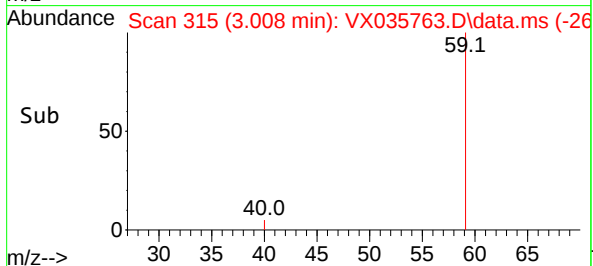
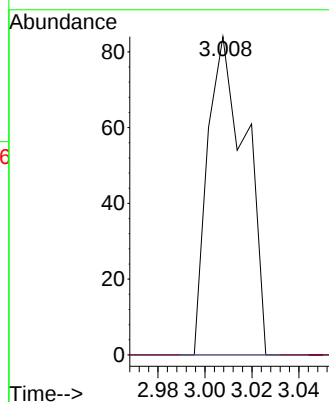


Tgt Ion: 59 Resp: 95

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#16

Acetone

Concen: 3.178 ug/l

RT: 2.398 min Scan# 215

Delta R.T. 0.006 min

Lab File: VX035763.D

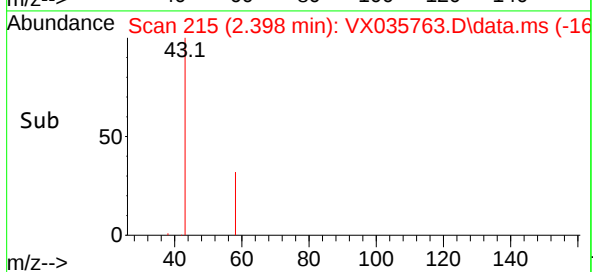
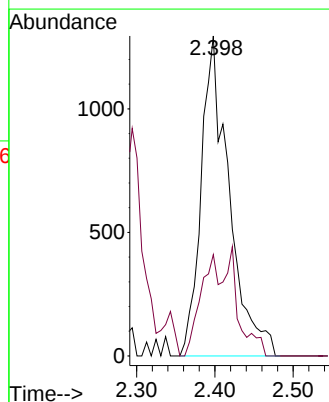
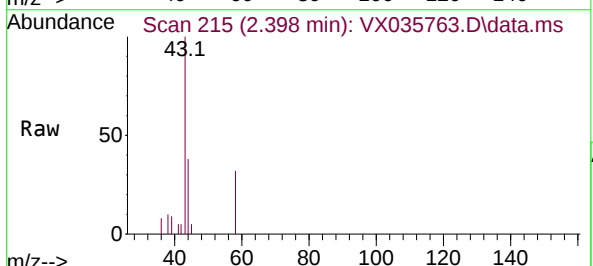
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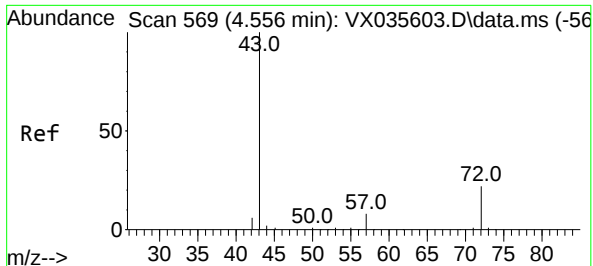
Tgt Ion: 43 Resp: 3213

Ion Ratio Lower Upper

43 100

58 31.7 24.7 37.1





#25

2-Butanone

Concen: 0.316 ug/l

RT: 4.599 min Scan# 51

Delta R.T. 0.043 min

Lab File: VX035763.D

Acq: 19 May 2023 16:18

Instrument :

MSVOA_X

ClientSampleId :

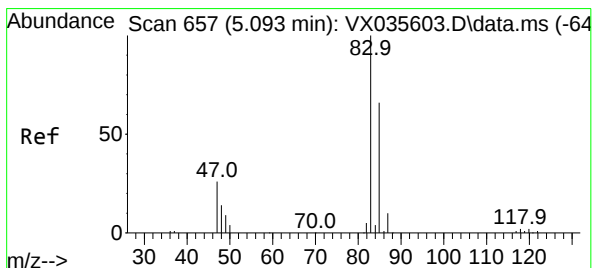
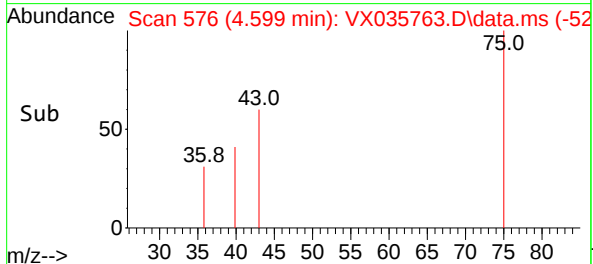
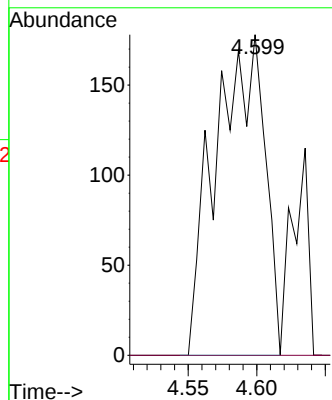
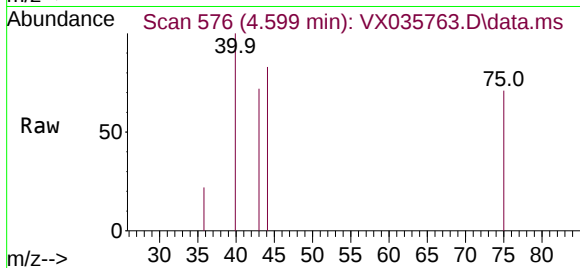
FSND-PRO-09-73-05162023

Tgt Ion: 43 Resp: 442

Ion Ratio Lower Upper

43 100

72 0.0 19.3 28.9#



#30

Chloroform

Concen: 0.248 ug/l

RT: 5.093 min Scan# 657

Delta R.T. -0.000 min

Lab File: VX035763.D

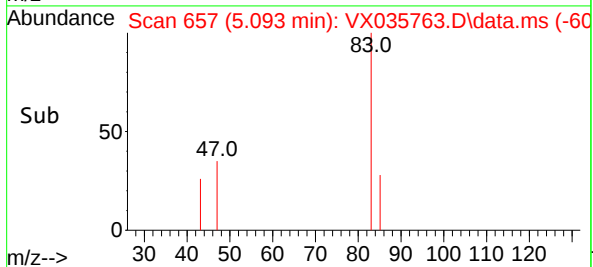
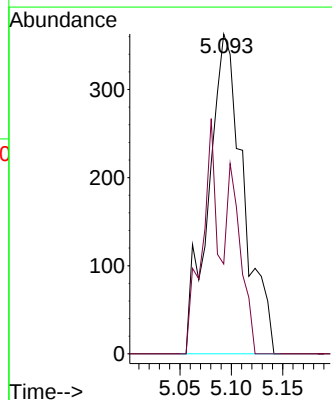
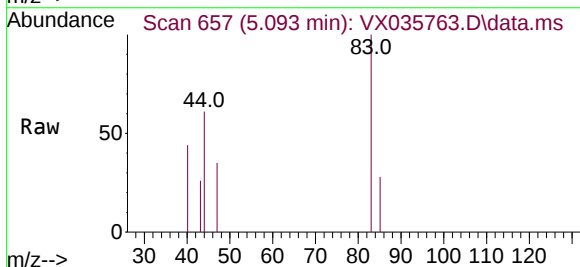
Acq: 19 May 2023 16:18

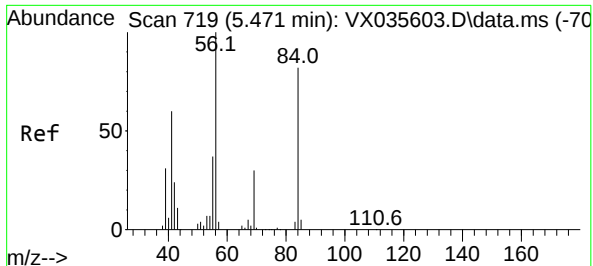
Tgt Ion: 83 Resp: 857

Ion Ratio Lower Upper

83 100

85 28.1 50.6 76.0#

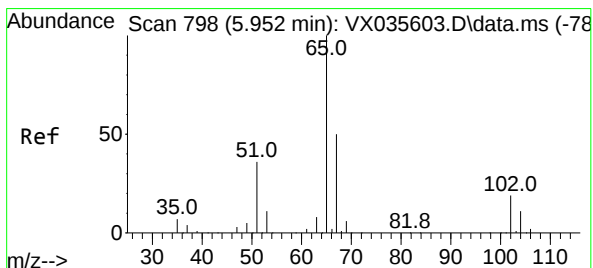
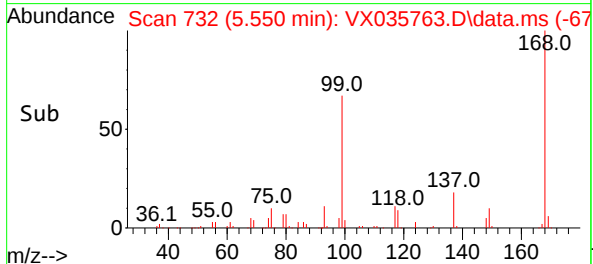
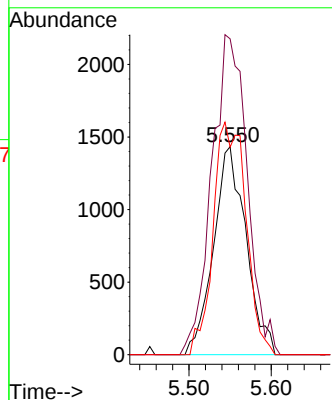
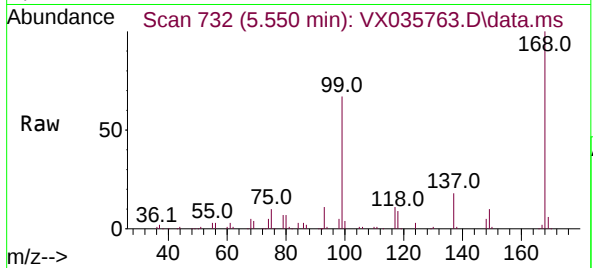




#31
Cyclohexane
Concen: 1.327 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX035763.D
Acq: 19 May 2023 16:18

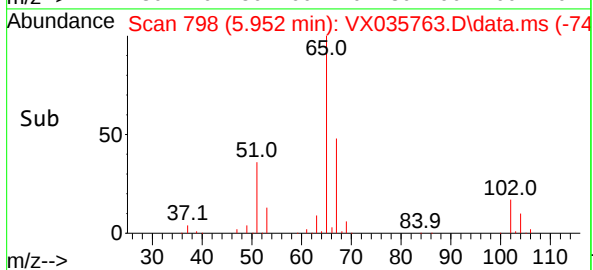
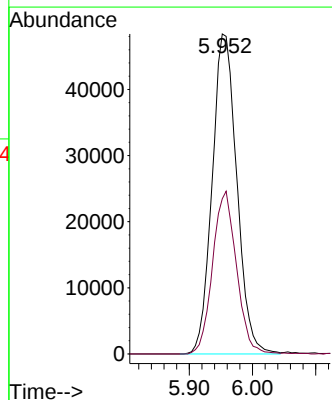
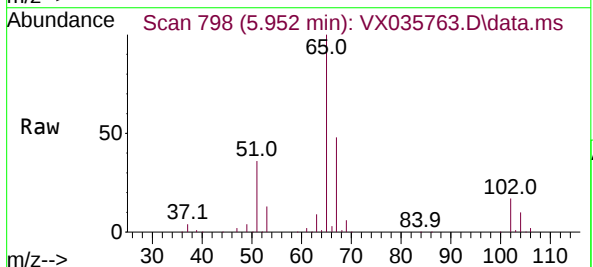
Instrument :
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ClientSampleId :
FSND-PRO-09-73-05162023

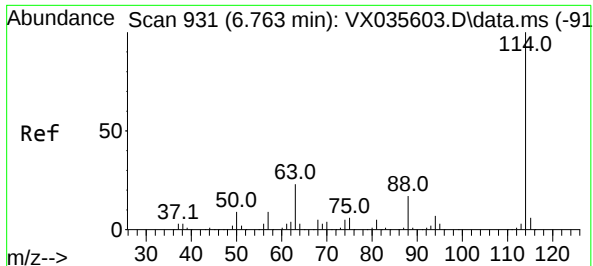
Tgt Ion: 56 Resp: 3944
Ion Ratio Lower Upper
56 100
69 151.8 23.7 35.5#
84 99.8 68.5 102.7



#33
1,2-Dichloroethane-d4
Concen: 55.625 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX035763.D
Acq: 19 May 2023 16:18

Tgt Ion: 65 Resp: 130833
Ion Ratio Lower Upper
65 100
67 49.3 0.0 104.0

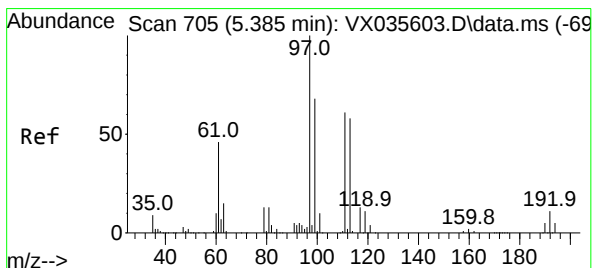
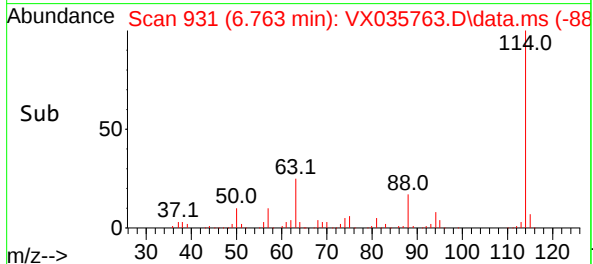
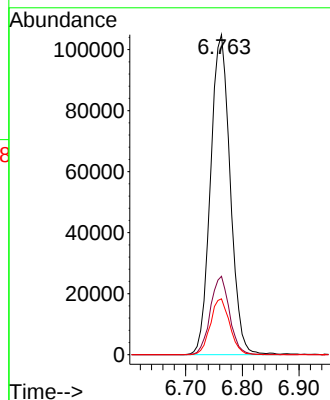
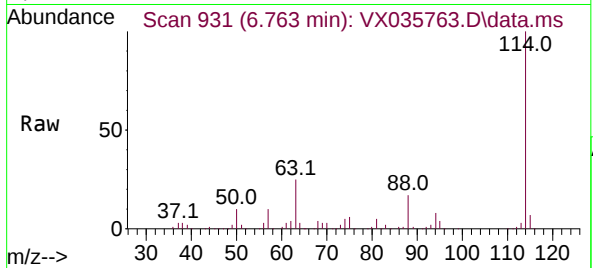




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX035763.D
Acq: 19 May 2023 16:18

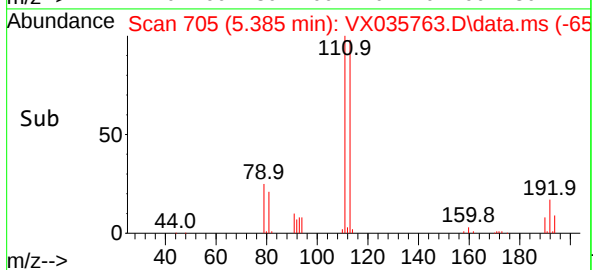
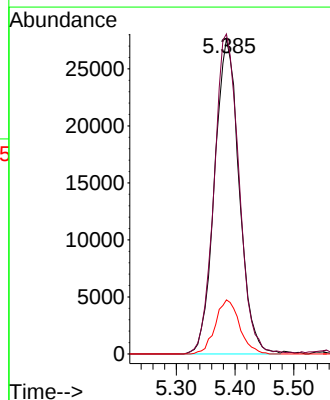
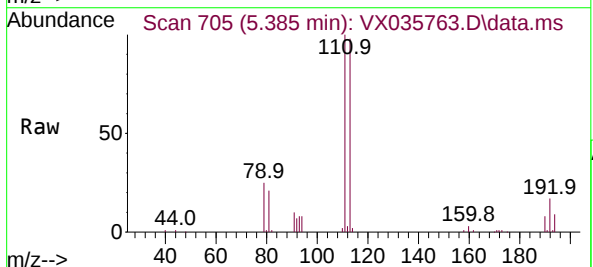
Instrument :
MSVOA_X
ClientSampleId :
FSND-PRO-09-73-05162023

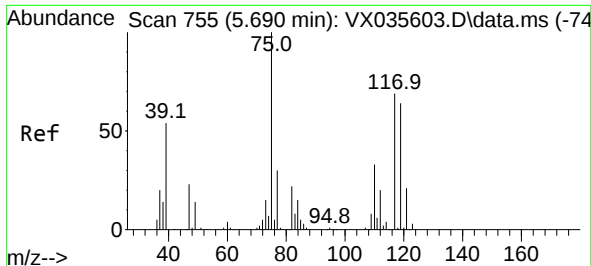
Tgt Ion:114 Resp: 252153
Ion Ratio Lower Upper
114 100
63 24.5 0.0 42.2
88 17.4 0.0 33.2



#35
Dibromofluoromethane
Concen: 47.210 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035763.D
Acq: 19 May 2023 16:18

Tgt Ion:113 Resp: 80282
Ion Ratio Lower Upper
113 100
111 103.0 83.7 125.5
192 16.9 15.4 23.2





#36

1,1-Dichloropropene

Concen: 4.803 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX035763.D

Acq: 19 May 2023 16:18

Instrument :

MSVOA_X

ClientSampleId :

FSND-PRO-09-73-05162023

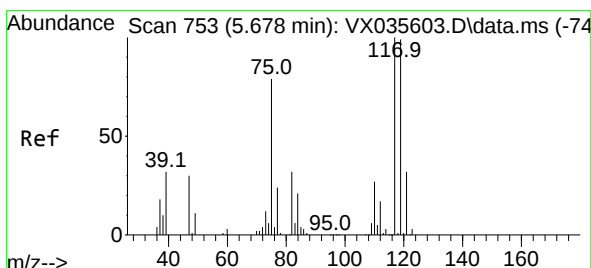
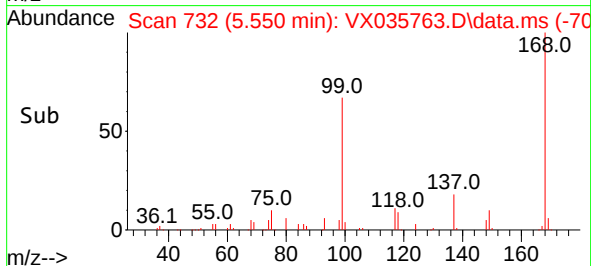
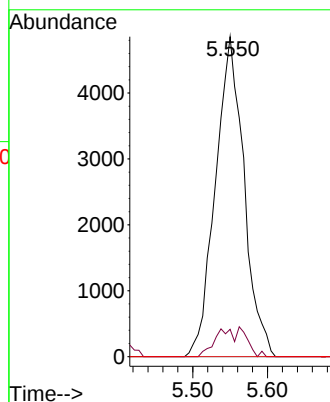
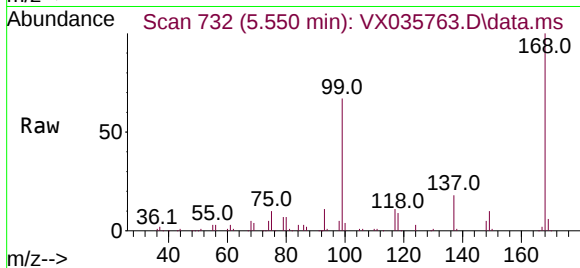
Tgt Ion: 75 Resp: 12892

Ion Ratio Lower Upper

75 100

110 5.9 17.5 52.5#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 6.355 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX035763.D

Acq: 19 May 2023 16:18

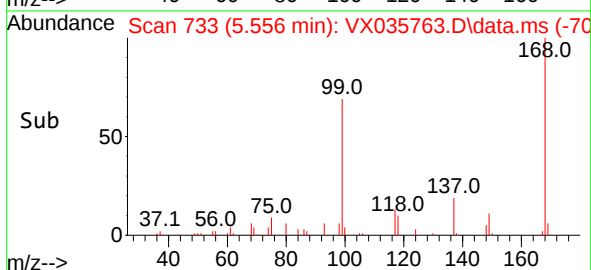
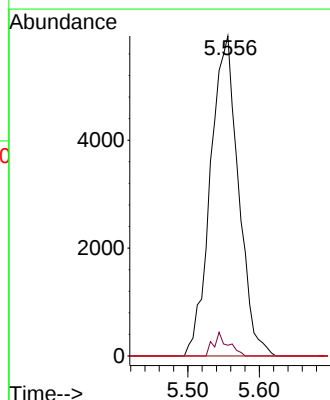
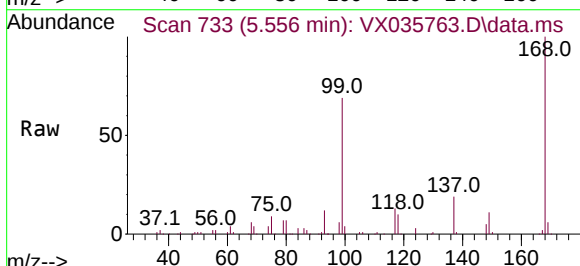
Tgt Ion:117 Resp: 16158

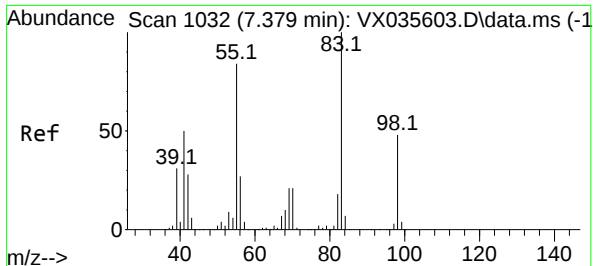
Ion Ratio Lower Upper

117 100

119 3.4 76.6 114.8#

121 0.0 23.8 35.6#

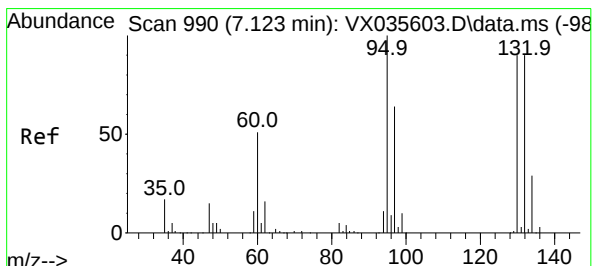
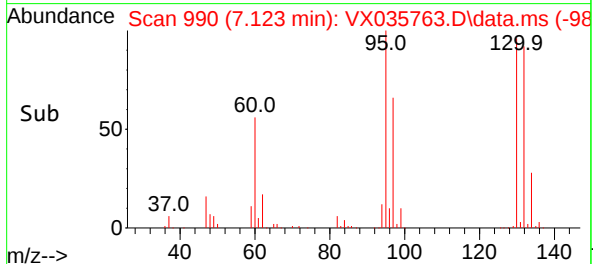
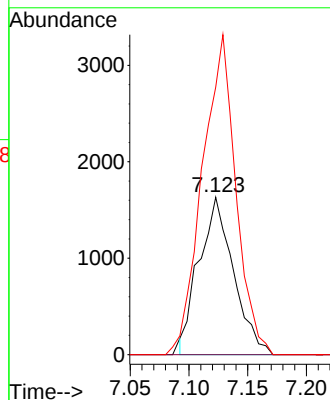
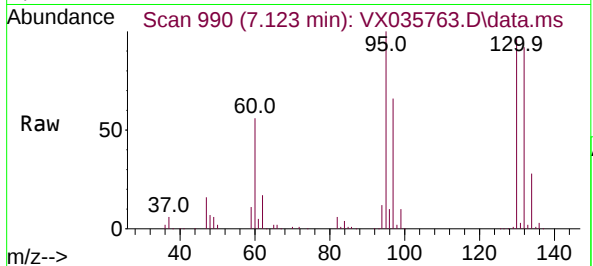




#39
Methylcyclohexane
Concen: 1.053 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX035763.D
Acq: 19 May 2023 16:18

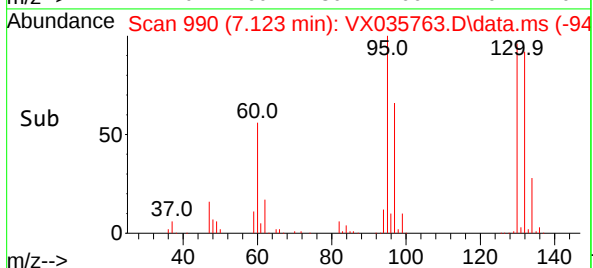
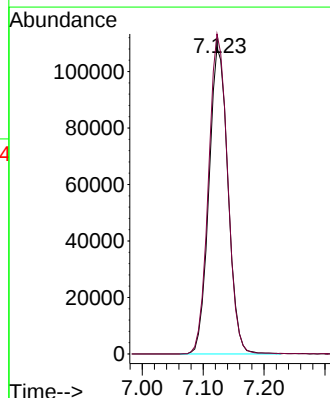
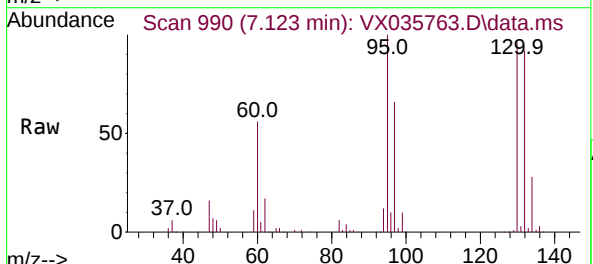
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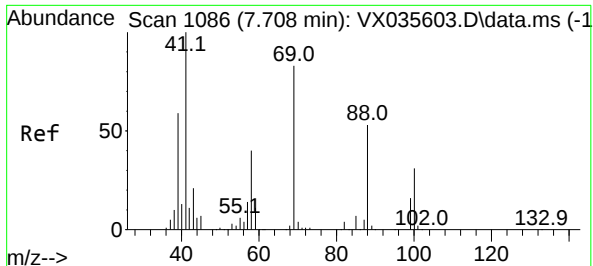
Tgt Ion: 83 Resp: 3326
Ion Ratio Lower Upper
83 100
55 0.0 60.5 90.7#
98 164.6 40.4 60.6#



#44
Trichloroethene
Concen: 124.097 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX035763.D
Acq: 19 May 2023 16:18

Tgt Ion:130 Resp: 236282
Ion Ratio Lower Upper
130 100
95 104.4 0.0 198.4





#49

1,4-Dioxane

Concen: 3.011 ug/l

RT: 7.714 min Scan# 1086

Delta R.T. 0.006 min

Lab File: VX035763.D

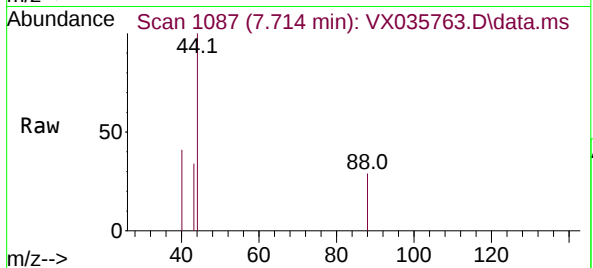
Acq: 19 May 2023 16:18

Instrument :

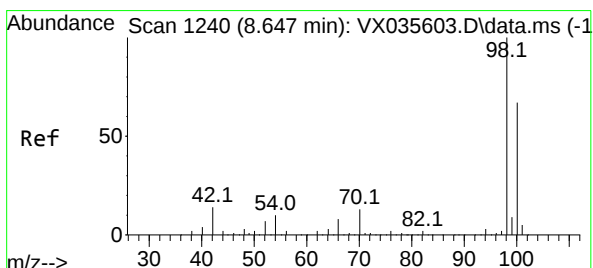
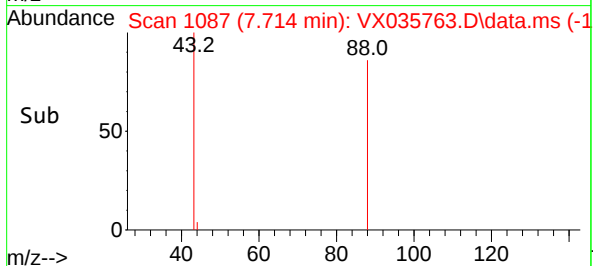
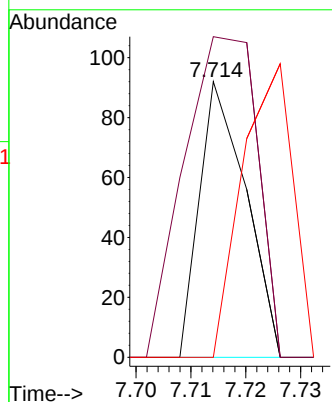
MSVOA_X

ClientSampleId :

FSND-PRO-09-73-05162023



Tgt Ion:	88	Resp:	54
Ion	Ratio	Lower	Upper
88	100		
43	183.3	27.7	41.5#
58	116.7	56.8	85.2#



#50

Toluene-d8

Concen: 47.021 ug/l

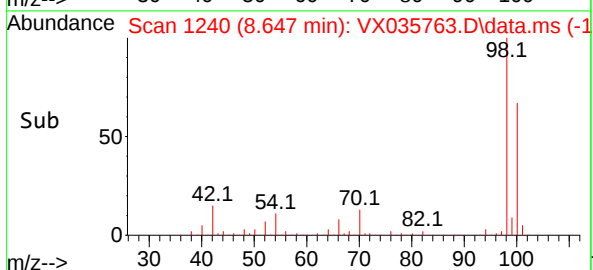
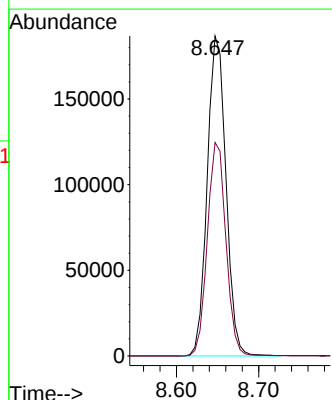
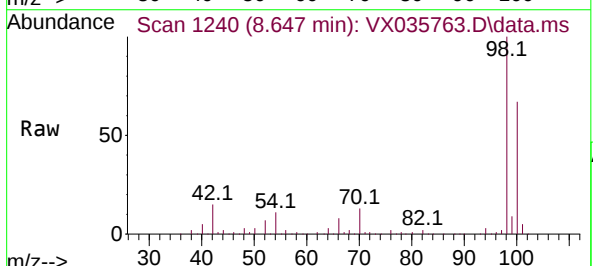
RT: 8.647 min Scan# 1240

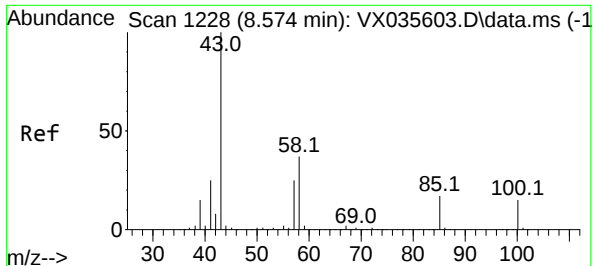
Delta R.T. -0.000 min

Lab File: VX035763.D

Acq: 19 May 2023 16:18

Tgt Ion:	98	Resp:	295392
Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.5	78.7





#51

4-Methyl-2-Pentanone

Concen: 0.622 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX035763.D

Acq: 19 May 2023 16:18

Instrument :

MSVOA_X

ClientSampleId :

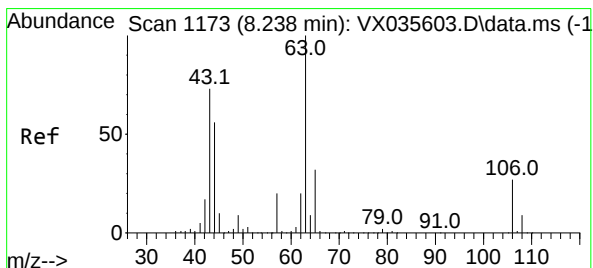
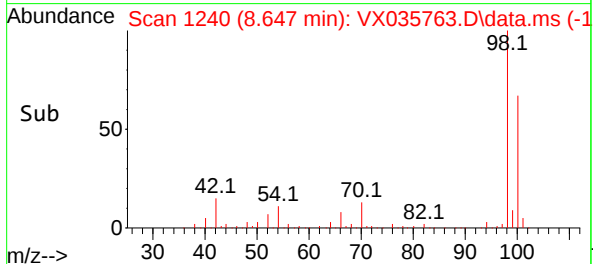
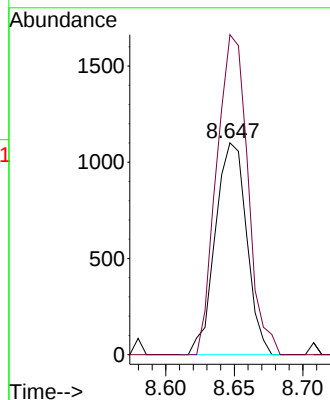
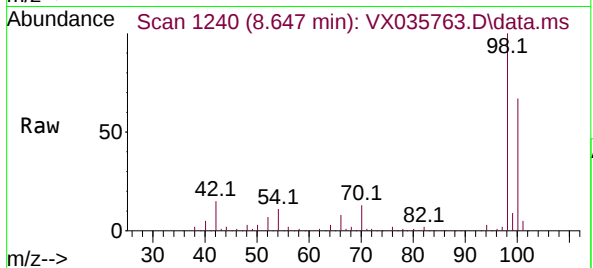
FSND-PRO-09-73-05162023

Tgt Ion: 43 Resp: 1749

Ion Ratio Lower Upper

43 100

58 150.6 30.6 46.0#



#58

2-Chloroethyl Vinyl ether

Concen: 0.203 ug/l

RT: 8.171 min Scan# 1162

Delta R.T. -0.067 min

Lab File: VX035763.D

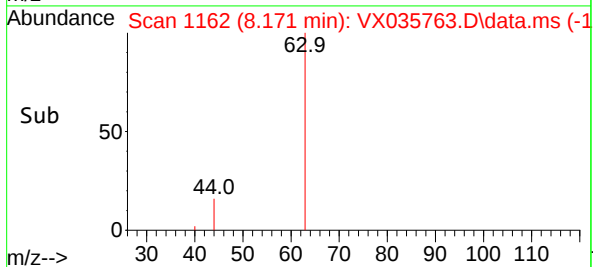
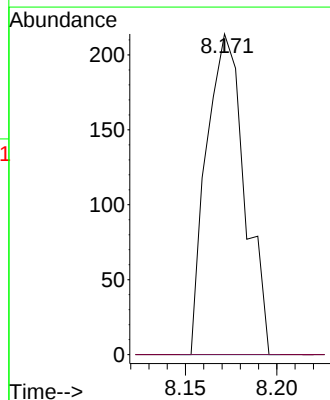
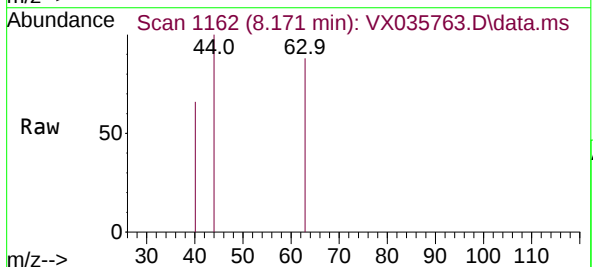
Acq: 19 May 2023 16:18

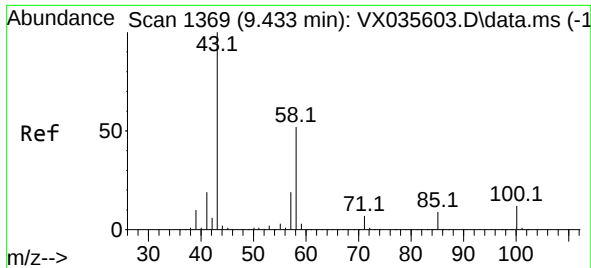
Tgt Ion: 63 Resp: 311

Ion Ratio Lower Upper

63 100

106 0.0 22.2 33.2#

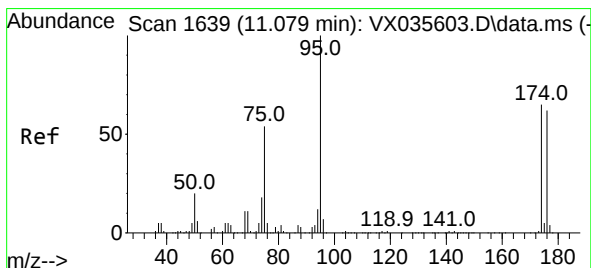
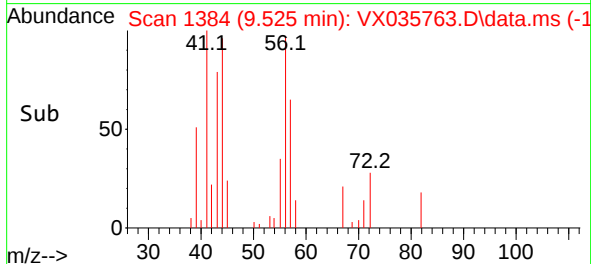
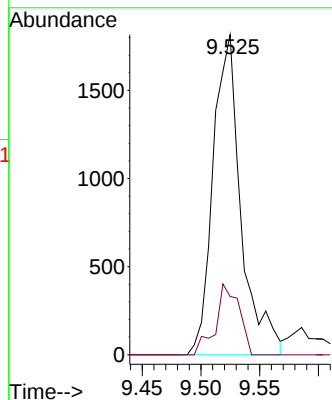
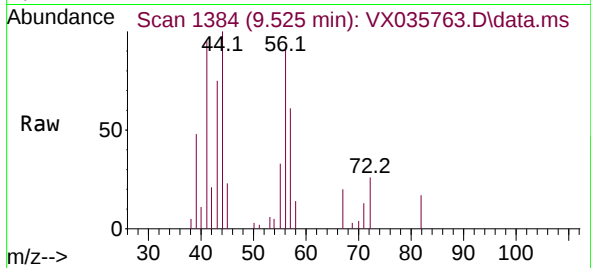




#59
2-Hexanone
Concen: 1.419 ug/l
RT: 9.525 min Scan# 11
Delta R.T. 0.092 min
Lab File: VX035763.D
Acq: 19 May 2023 16:18

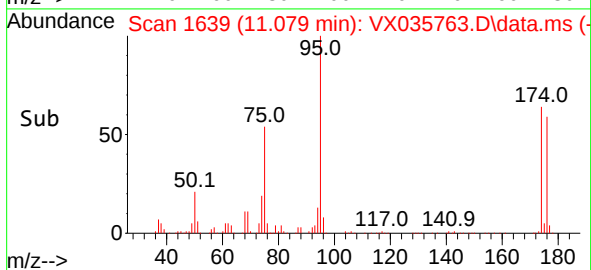
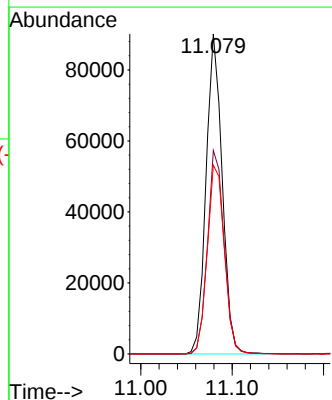
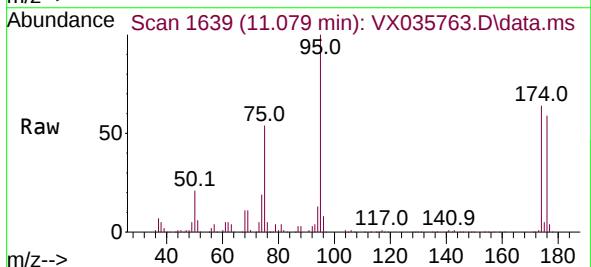
Instrument :
MSVOA_X
ClientSampleId :
FSND-PRO-09-73-05162023

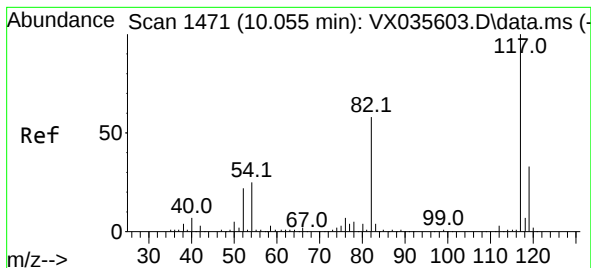
Tgt Ion: 43 Resp: 3005
Ion Ratio Lower Upper
43 100
58 18.6 26.3 78.9#



#62
4-Bromofluorobenzene
Concen: 43.473 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035763.D
Acq: 19 May 2023 16:18

Tgt Ion: 95 Resp: 109963
Ion Ratio Lower Upper
95 100
174 65.7 0.0 147.4
176 62.8 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: VX035763.D

Acq: 19 May 2023 16:18

Instrument :

MSVOA_X

ClientSampleId :

FSND-PRO-09-73-05162023

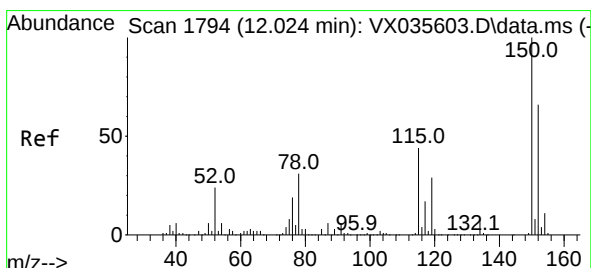
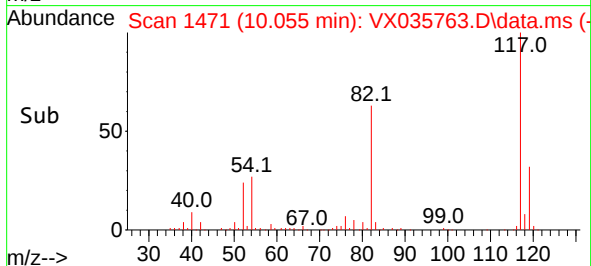
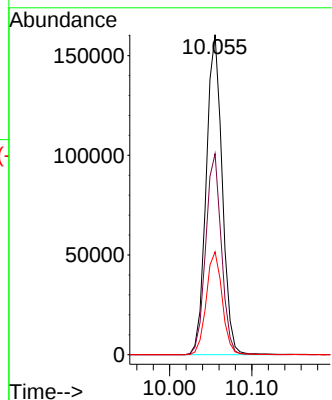
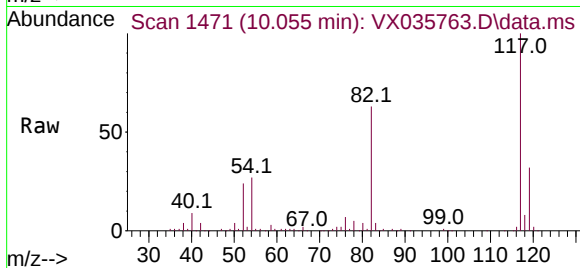
Tgt Ion:117 Resp: 216616

Ion Ratio Lower Upper

117 100

82 62.8 45.0 67.4

119 32.2 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: VX035763.D

Acq: 19 May 2023 16:18

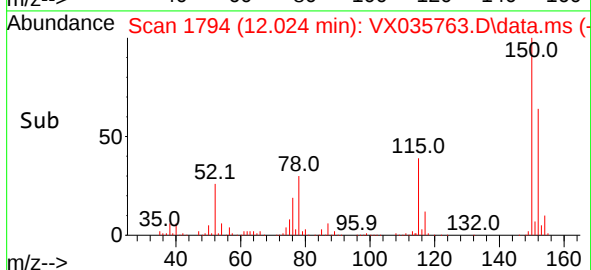
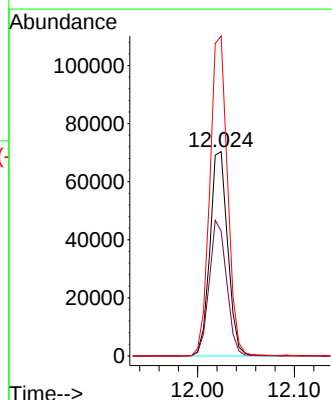
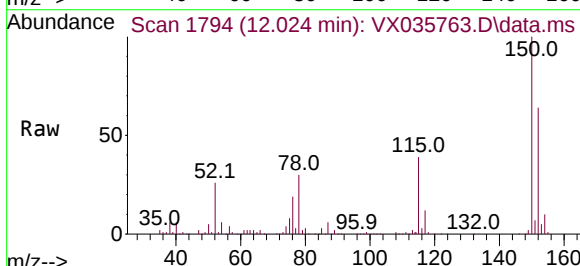
Tgt Ion:152 Resp: 89926

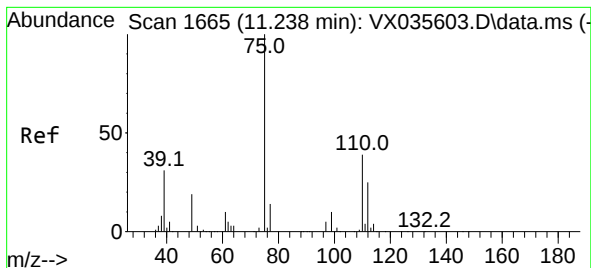
Ion Ratio Lower Upper

152 100

115 65.1 45.0 135.0

150 156.0 0.0 352.4





#76

1,2,3-Trichloropropane

Concen: 27.843 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX035763.D

Acq: 19 May 2023 16:18

Instrument :

MSVOA_X

ClientSampleId :

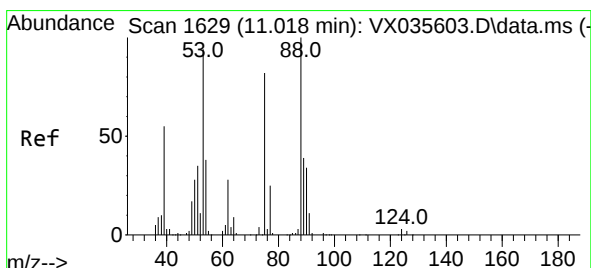
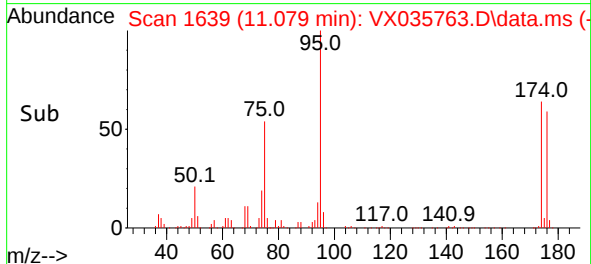
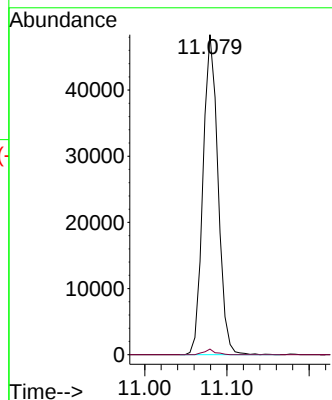
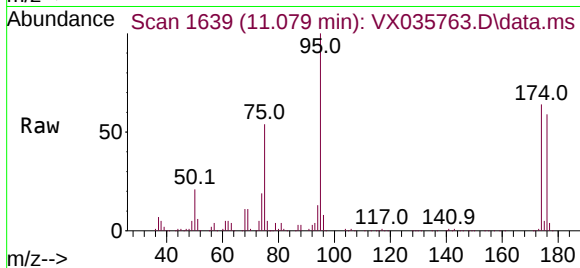
FSND-PRO-09-73-05162023

Tgt Ion: 75 Resp: 61243

Ion Ratio Lower Upper

75 100

77 1.3 21.6 64.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 89.733 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX035763.D

Acq: 19 May 2023 16:18

Tgt Ion: 75 Resp: 61243

Ion Ratio Lower Upper

75 100

53 0.0 82.6 124.0#

89 0.0 36.9 55.3#

