

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051923\
 Data File : VX035762.D
 Acq On : 19 May 2023 15:54
 Operator : JC/MD
 Sample : 02860-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-EQB-08-05112023

Quant Time: May 22 05:17:52 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)

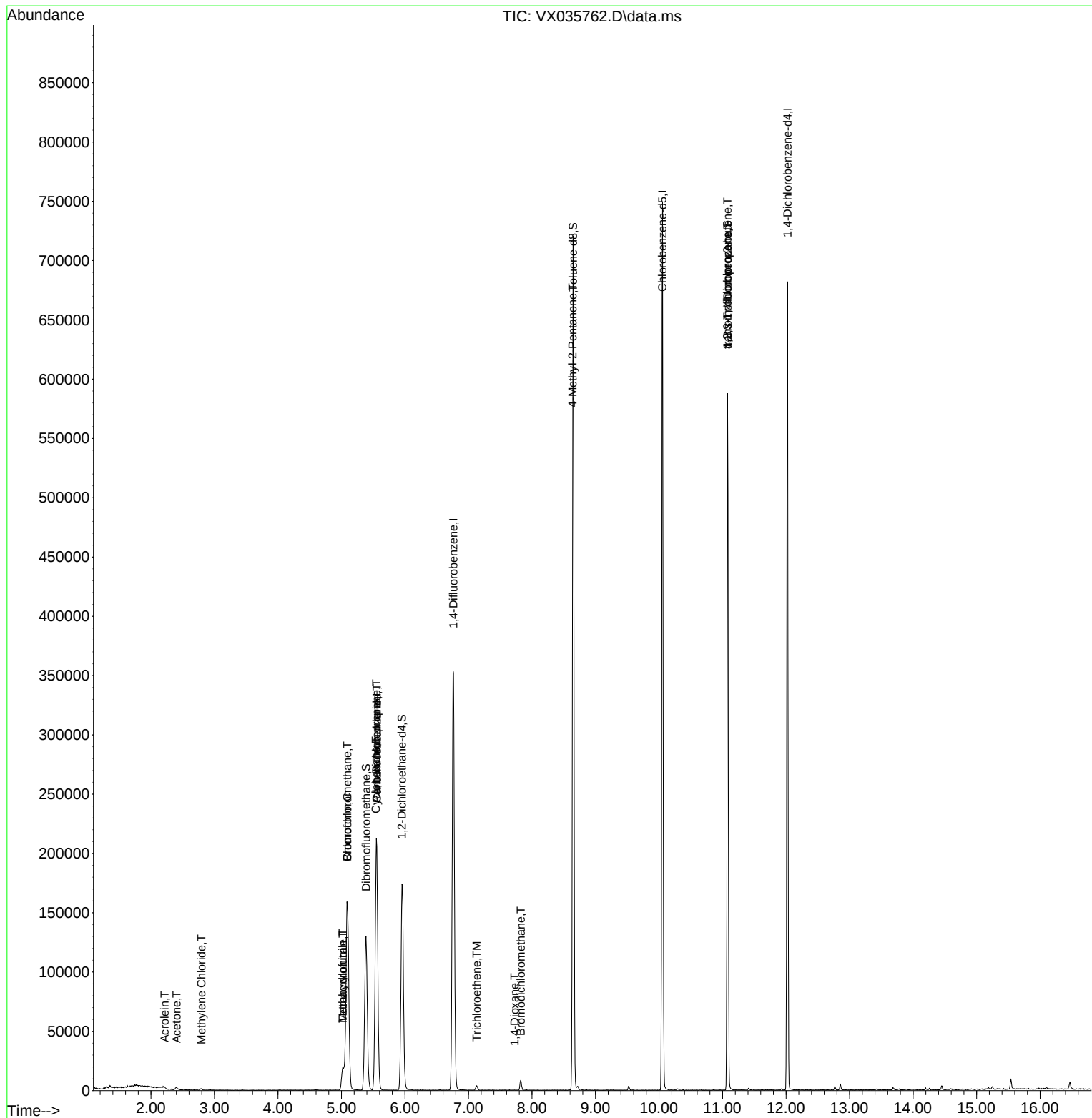
Internal Standards						
1) Pentafluorobenzene	5.556	168	179419	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	341939	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	299535	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	129533	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	177333	56.655	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	113.320%	
35) Dibromofluoromethane	5.385	113	112605	48.831	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	97.660%	
50) Toluene-d8	8.647	98	404412	47.472	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	94.940%	
62) 4-Bromofluorobenzene	11.079	95	157589	45.943	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	91.880%	
Target Compounds						
					Qvalue	
13) Acrolein	2.215	56	165	0.252	ug/l #	1
16) Acetone	2.404	43	3554	2.642	ug/l	94
20) Methylene Chloride	2.794	84	596	0.244	ug/l #	64
28) Bromochloromethane	5.093	49	17176	8.519	ug/l #	15
29) Tetrahydrofuran	5.019	42	20750	17.727	ug/l	97
30) Chloroform	5.093	83	184189	40.101	ug/l	94
31) Cyclohexane	5.544	56	5049	1.277	ug/l #	27
36) 1,1-Dichloropropene	5.550	75	17563	4.825	ug/l #	51
38) Carbon Tetrachloride	5.556	117	20456	5.933	ug/l #	16
41) Methacrylonitrile	5.019	41	13234	5.871	ug/l #	47
44) Trichloroethene	7.129	130	1470	0.569	ug/l	89
47) Bromodichloromethane	7.824	83	5326	1.493	ug/l	94
49) 1,4-Dioxane	7.726	88	53	2.732	ug/l #	69
51) 4-Methyl-2-Pentanone	8.641	43	2100	0.551	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	85724	27.056	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	85724	87.197	ug/l #	8

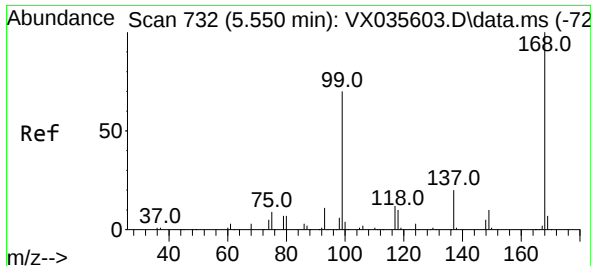
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 22 05:17:52 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

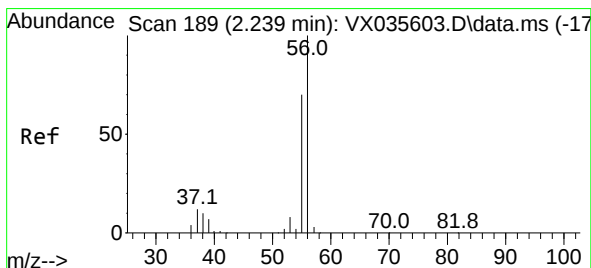
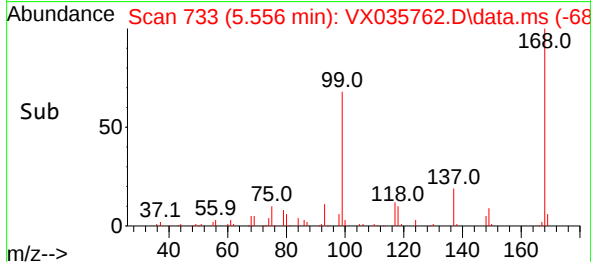
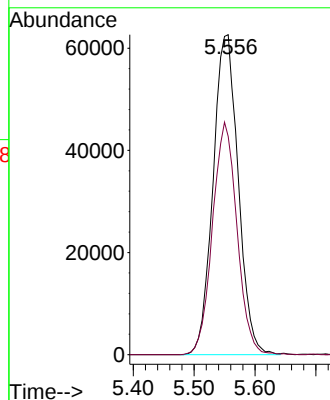
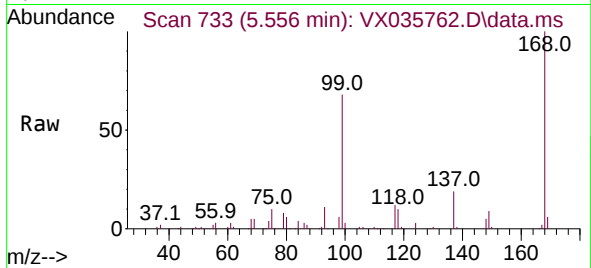




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX035762.D
Acq: 19 May 2023 15:54

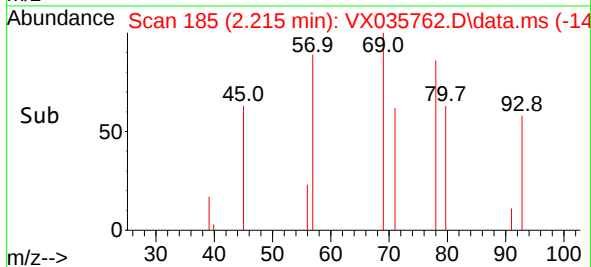
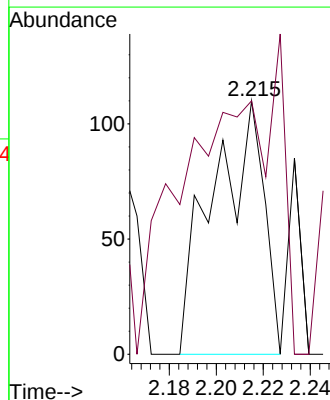
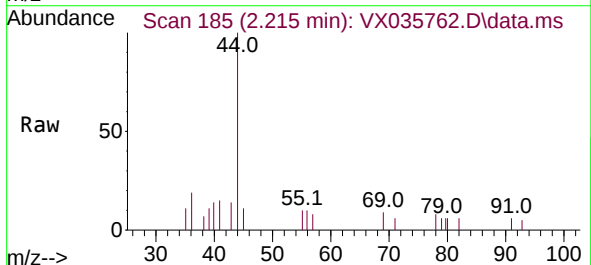
Instrument :
MSVOA_X
ClientSampleId :
FSND-EQB-08-05112023

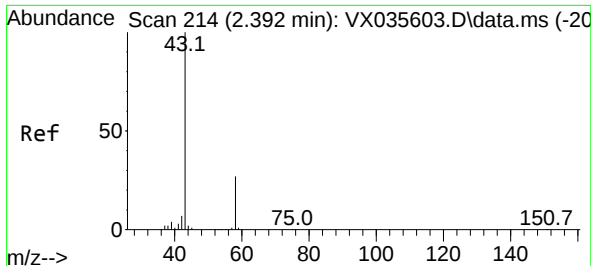
Tgt Ion:168 Resp: 179419
Ion Ratio Lower Upper
168 100
99 68.2 45.7 68.5



#13
Acrolein
Concen: 0.252 ug/l
RT: 2.215 min Scan# 185
Delta R.T. -0.024 min
Lab File: VX035762.D
Acq: 19 May 2023 15:54

Tgt Ion: 56 Resp: 165
Ion Ratio Lower Upper
56 100
55 201.8 56.6 85.0#





#16

Acetone

Concen: 2.642 ug/l

RT: 2.404 min Scan# 21

Delta R.T. 0.012 min

Lab File: VX035762.D

Acq: 19 May 2023 15:54

Instrument :

MSVOA_X

ClientSampleId :

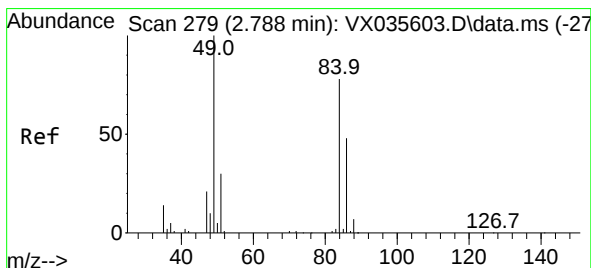
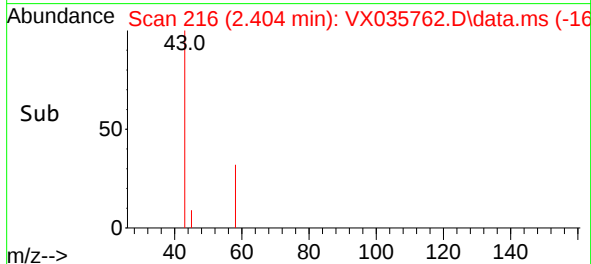
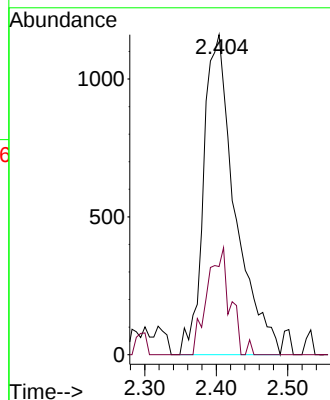
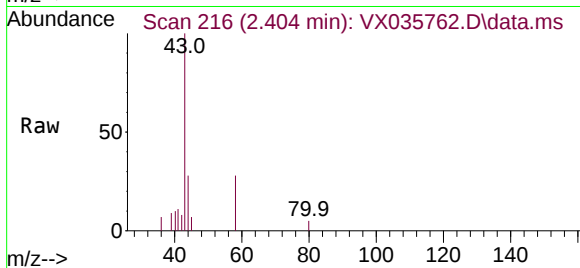
FSND-EQB-08-05112023

Tgt Ion: 43 Resp: 3554

Ion Ratio Lower Upper

43 100

58 27.6 24.7 37.1



#20

Methylene Chloride

Concen: 0.244 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX035762.D

Acq: 19 May 2023 15:54

Tgt Ion: 84 Resp: 596

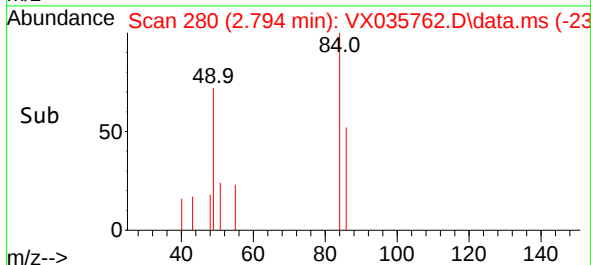
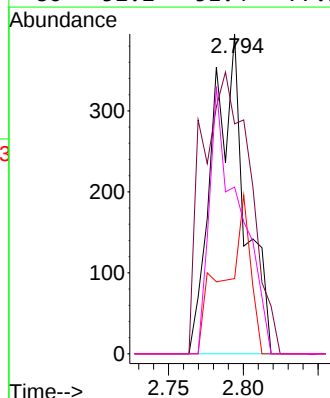
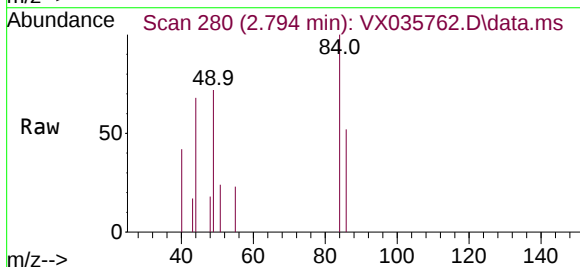
Ion Ratio Lower Upper

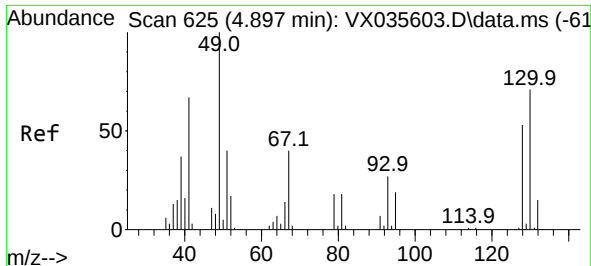
84 100

49 71.9 103.8 155.8#

51 23.5 31.8 47.8#

86 52.2 51.4 77.2





#28

Bromochloromethane

Concen: 8.519 ug/l

RT: 5.093 min Scan# 61

Delta R.T. 0.196 min

Lab File: VX035762.D

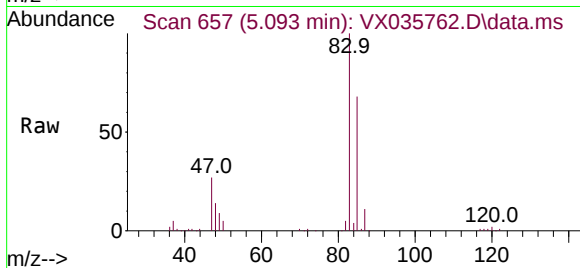
Acq: 19 May 2023 15:54

Instrument :

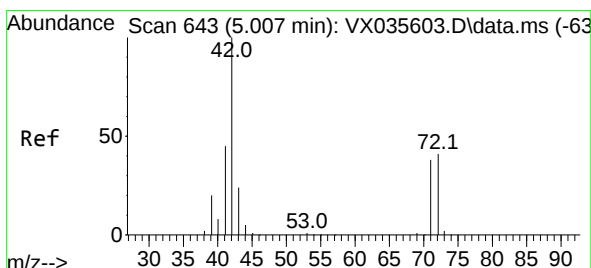
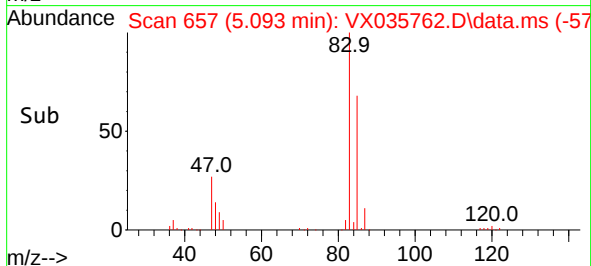
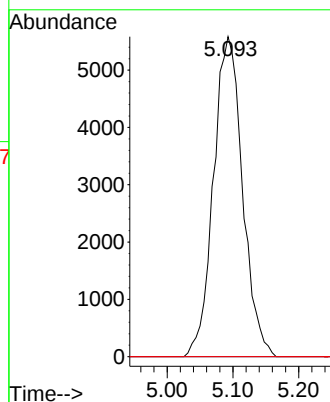
MSVOA_X

ClientSampleId :

FSND-EQB-08-05112023



Tgt Ion:	49	Resp:	17176
Ion Ratio	Lower	Upper	
49	100		
129	0.0	0.0	4.0
130	0.0	58.2	87.2#



#29

Tetrahydrofuran

Concen: 17.727 ug/l

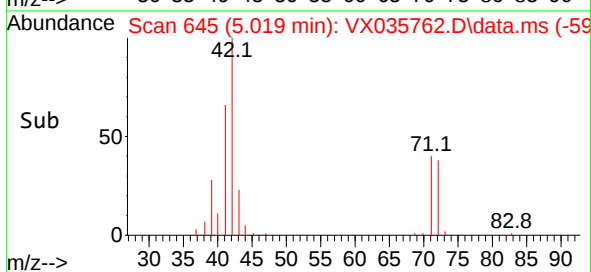
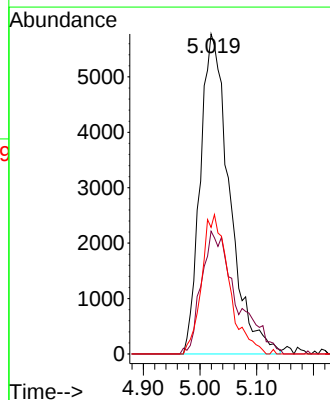
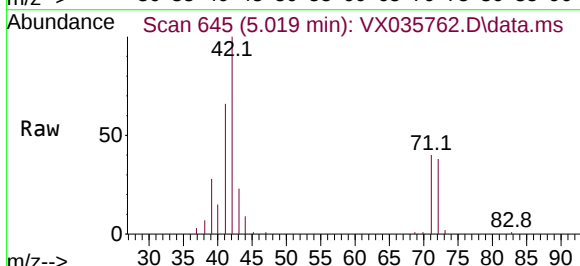
RT: 5.019 min Scan# 645

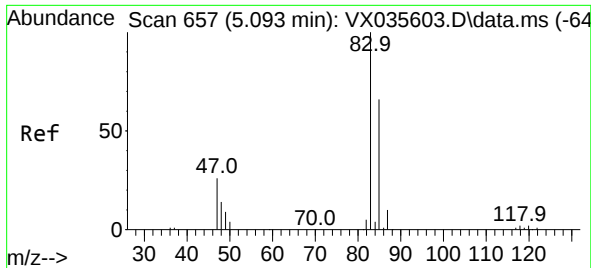
Delta R.T. 0.012 min

Lab File: VX035762.D

Acq: 19 May 2023 15:54

Tgt Ion:	42	Resp:	20750
Ion Ratio	Lower	Upper	
42	100		
72	46.0	34.5	51.7
71	40.5	32.1	48.1

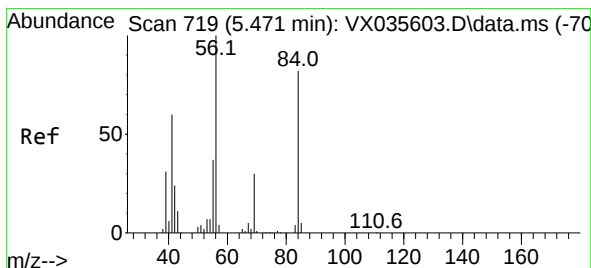
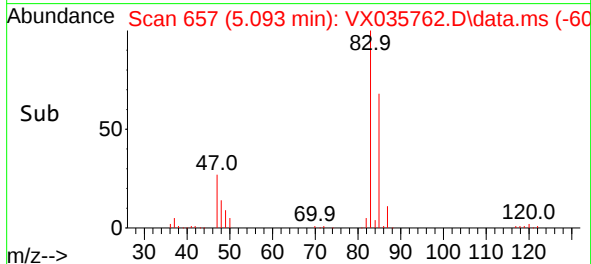
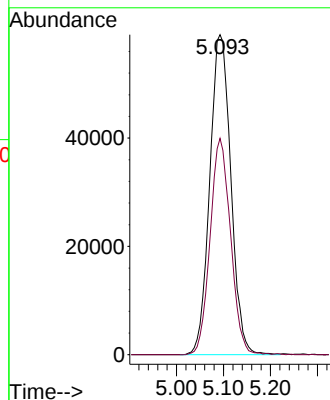
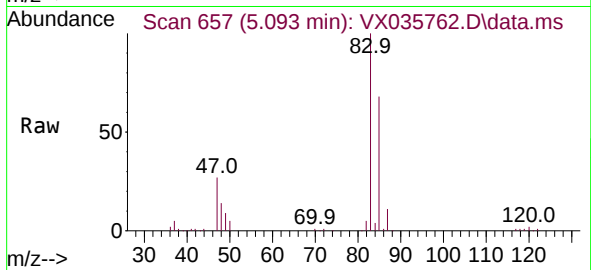




#30
Chloroform
Concen: 40.101 ug/l
RT: 5.093 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX035762.D
Acq: 19 May 2023 15:54

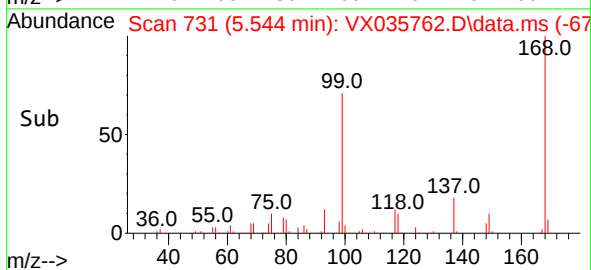
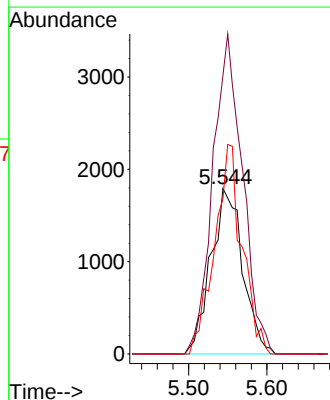
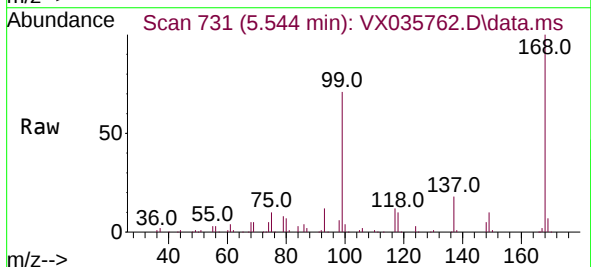
Instrument :
MSVOA_X
ClientSampleId :
FSND-EQB-08-05112023

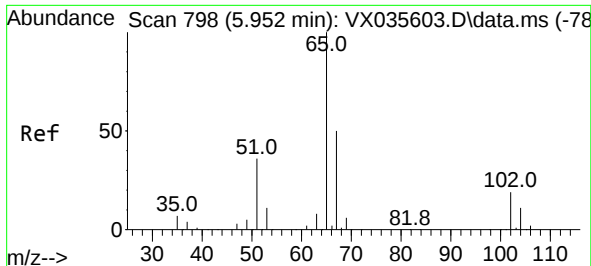
Tgt Ion: 83 Resp: 184189
Ion Ratio Lower Upper
83 100
85 67.6 50.6 76.0



#31
Cyclohexane
Concen: 1.277 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.073 min
Lab File: VX035762.D
Acq: 19 May 2023 15:54

Tgt Ion: 56 Resp: 5049
Ion Ratio Lower Upper
56 100
69 168.4 23.7 35.5#
84 93.8 68.5 102.7





#33

1,2-Dichloroethane-d4

Concen: 56.655 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX035762.D

Acq: 19 May 2023 15:54

Instrument :

MSVOA_X

ClientSampleId :

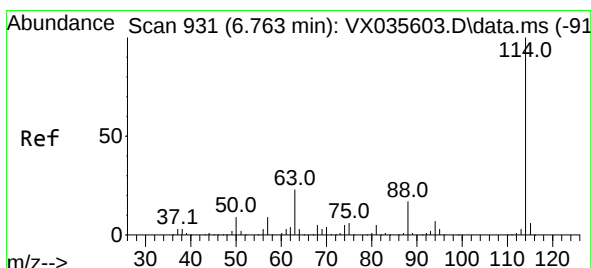
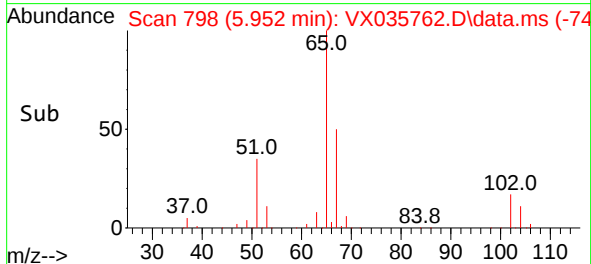
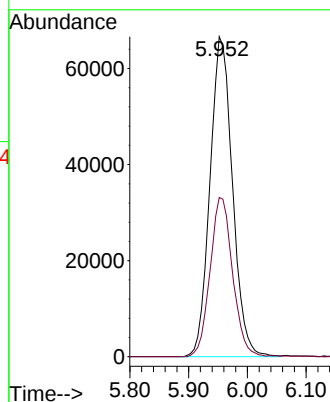
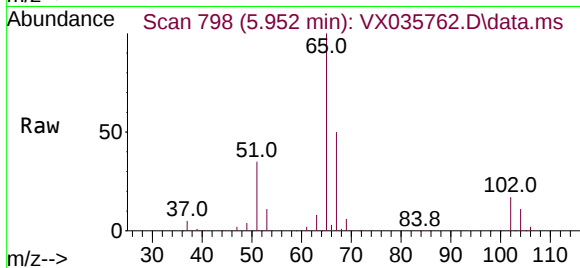
FSND-EQB-08-05112023

Tgt Ion: 65 Resp: 177333

Ion Ratio Lower Upper

65 100

67 49.8 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: VX035762.D

Acq: 19 May 2023 15:54

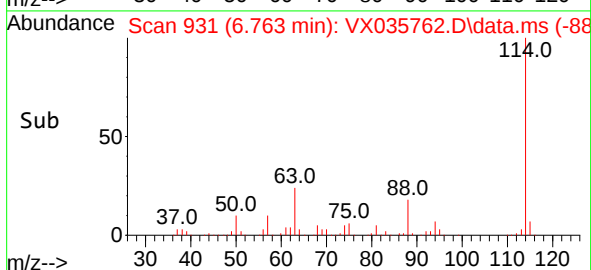
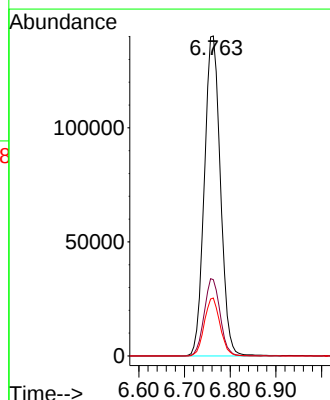
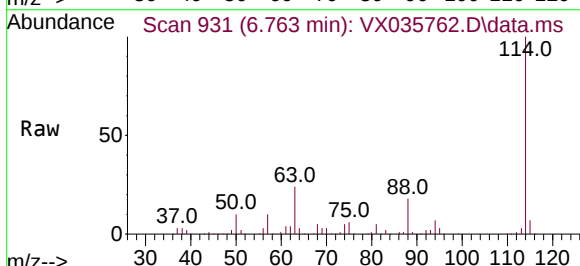
Tgt Ion: 114 Resp: 341939

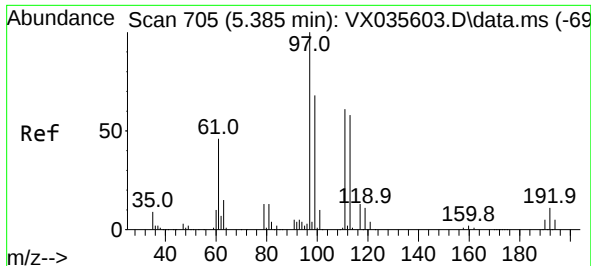
Ion Ratio Lower Upper

114 100

63 23.8 0.0 42.2

88 18.1 0.0 33.2

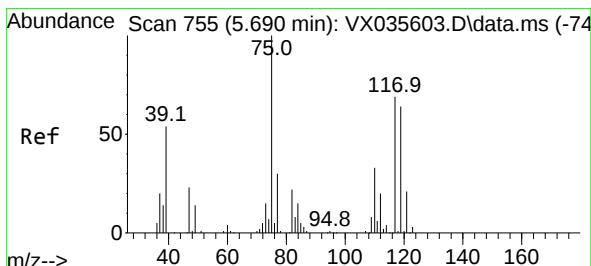
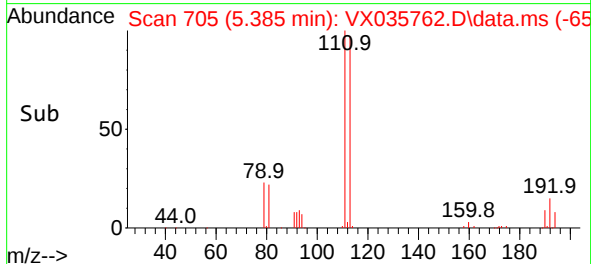
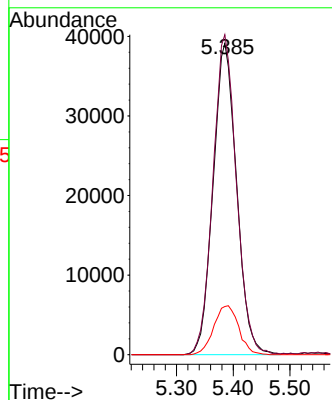
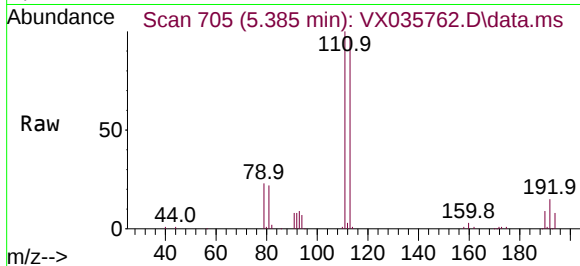




#35
Dibromofluoromethane
Concen: 48.831 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035762.D
Acq: 19 May 2023 15:54

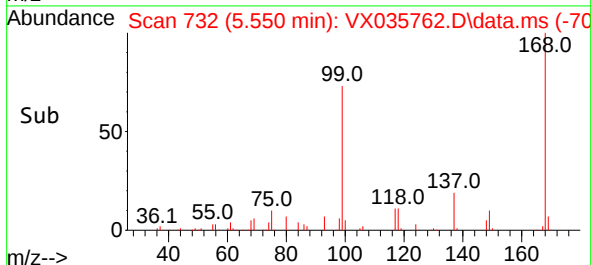
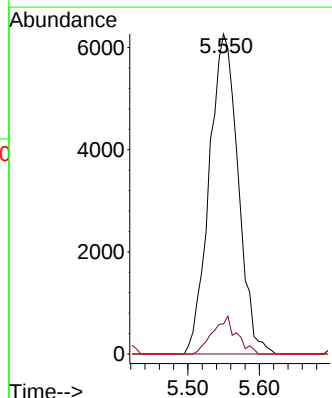
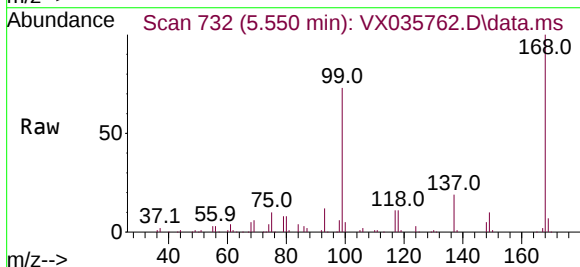
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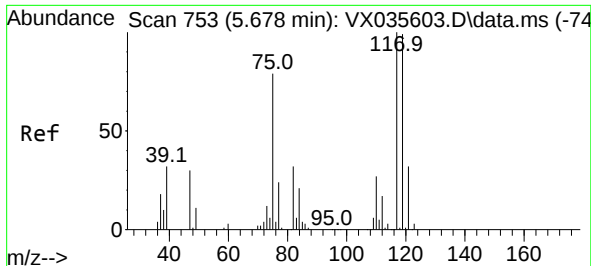
Tgt Ion:113 Resp: 112605
Ion Ratio Lower Upper
113 100
111 102.7 83.7 125.5
192 16.7 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.825 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX035762.D
Acq: 19 May 2023 15:54

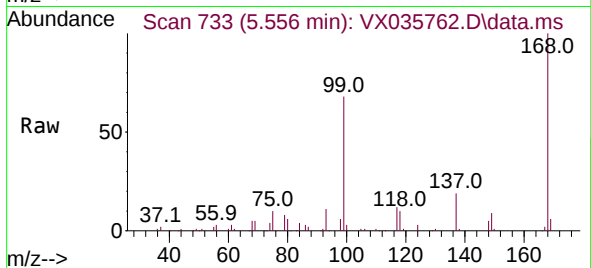
Tgt Ion: 75 Resp: 17563
Ion Ratio Lower Upper
75 100
110 9.7 17.5 52.5#
77 0.0 24.3 36.5#



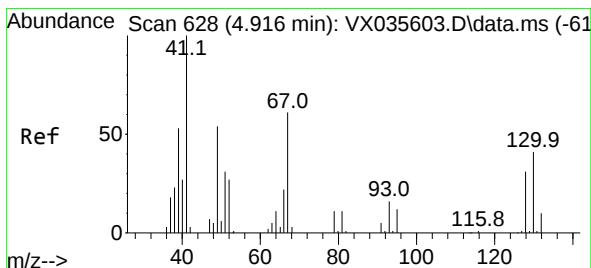
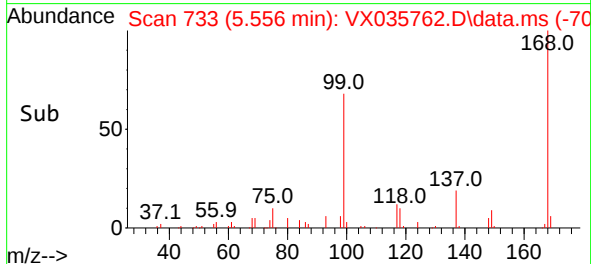
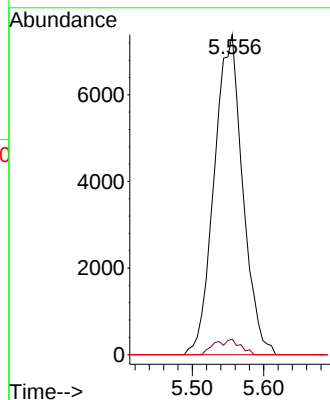


#38
Carbon Tetrachloride
Concen: 5.933 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX035762.D
Acq: 19 May 2023 15:54

Instrument :
MSVOA_X
ClientSampleId :
FSND-EQB-08-05112023

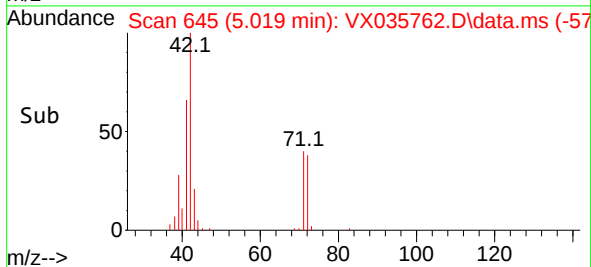
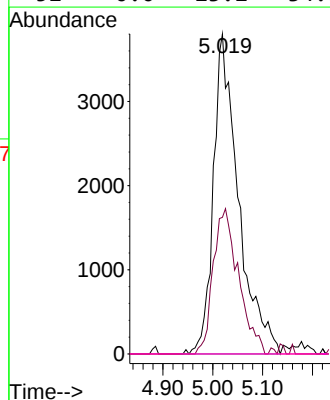
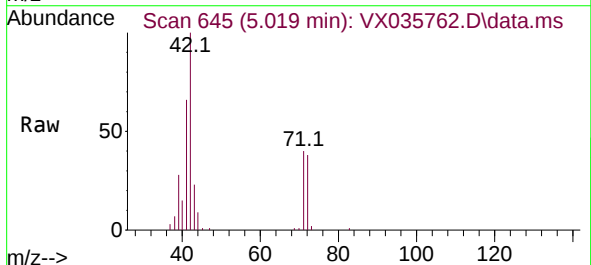


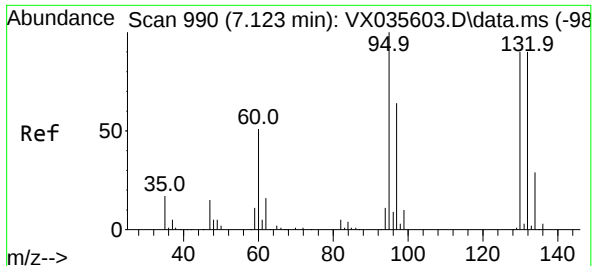
Tgt Ion: 117 Resp: 20456
Ion Ratio Lower Upper
117 100
119 4.8 76.6 114.8#
121 0.0 23.8 35.6#



#41
Methacrylonitrile
Concen: 5.871 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.103 min
Lab File: VX035762.D
Acq: 19 May 2023 15:54

Tgt Ion: 41 Resp: 13234
Ion Ratio Lower Upper
41 100
39 46.1 45.0 67.6
67 0.0 55.6 83.4#
52 0.0 23.2 34.8#

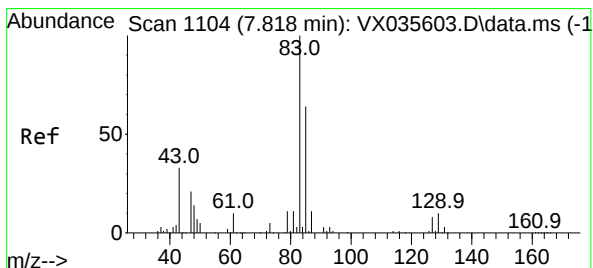
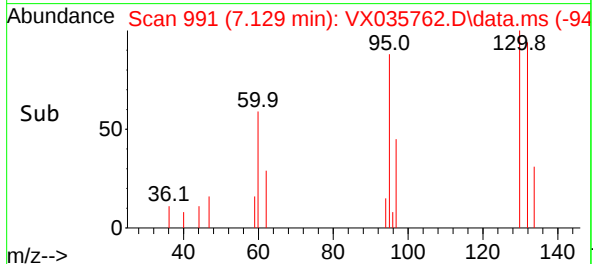
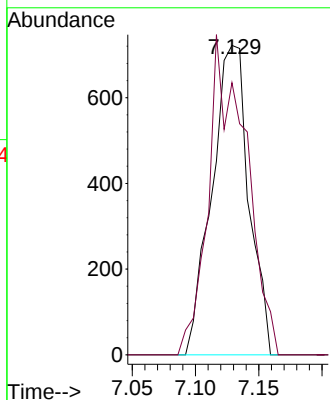
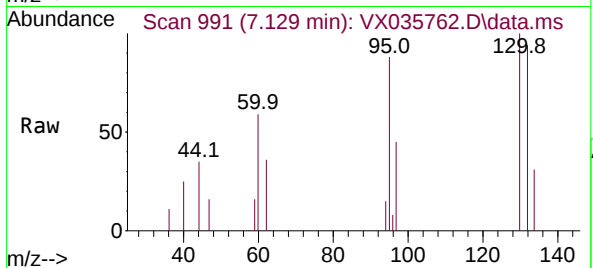




#44
Trichloroethene
Concen: 0.569 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX035762.D
Acq: 19 May 2023 15:54

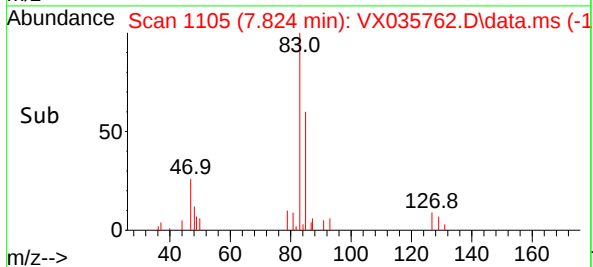
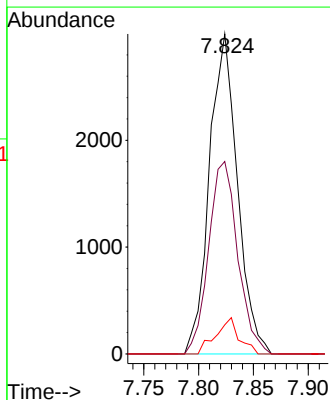
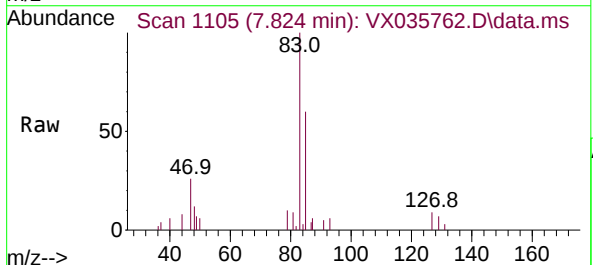
Instrument :
MSVOA_X
ClientSampleId :
FSND-EQB-08-05112023

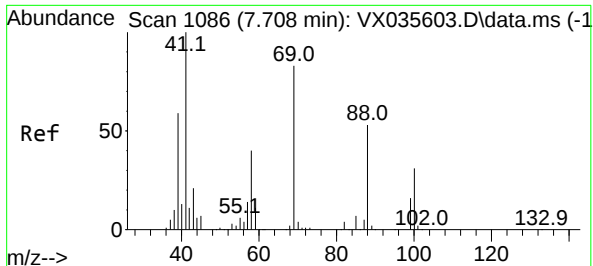
Tgt Ion:130 Resp: 1470
Ion Ratio Lower Upper
130 100
95 88.0 0.0 198.4



#47
Bromodichloromethane
Concen: 1.493 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX035762.D
Acq: 19 May 2023 15:54

Tgt Ion: 83 Resp: 5326
Ion Ratio Lower Upper
83 100
85 60.1 52.2 78.4
127 9.1 6.6 9.8





#49

1,4-Dioxane

Concen: 2.732 ug/l

RT: 7.726 min Scan# 1086

Delta R.T. 0.018 min

Lab File: VX035762.D

Acq: 19 May 2023 15:54

Instrument :

MSVOA_X

ClientSampleId :

FSND-EQB-08-05112023

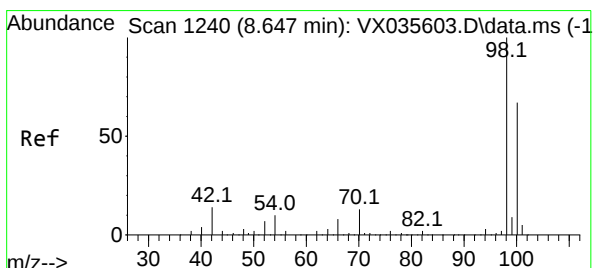
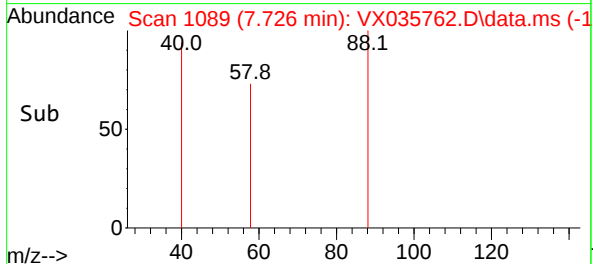
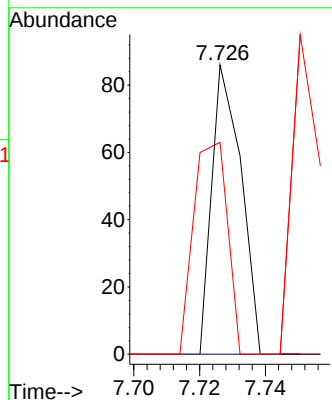
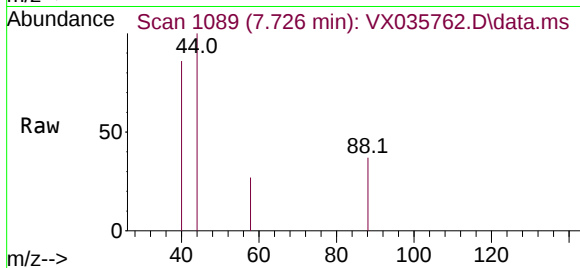
Tgt Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

43 0.0 27.7 41.5#

58 84.9 56.8 85.2



#50

Toluene-d8

Concen: 47.472 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX035762.D

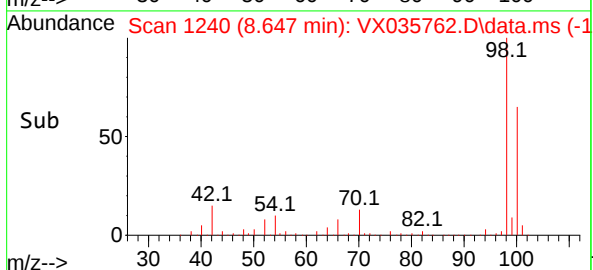
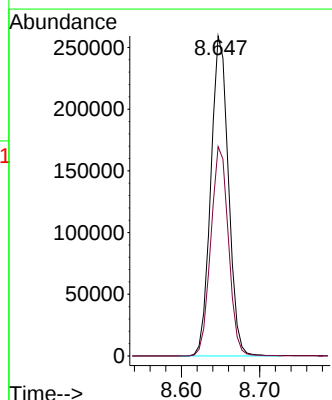
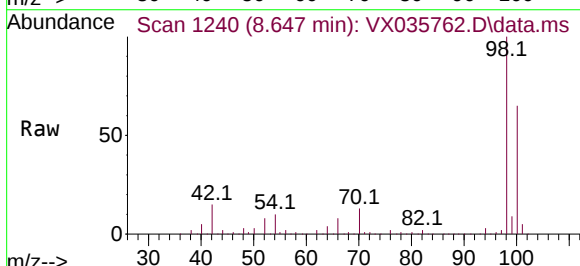
Acq: 19 May 2023 15:54

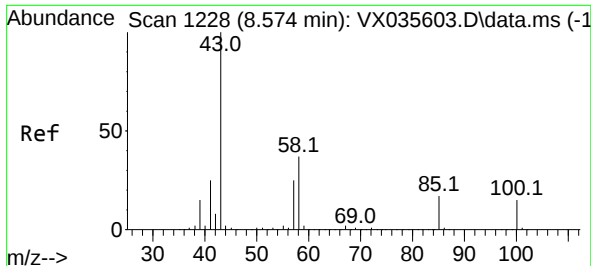
Tgt Ion: 98 Resp: 404412

Ion Ratio Lower Upper

98 100

100 65.6 52.5 78.7

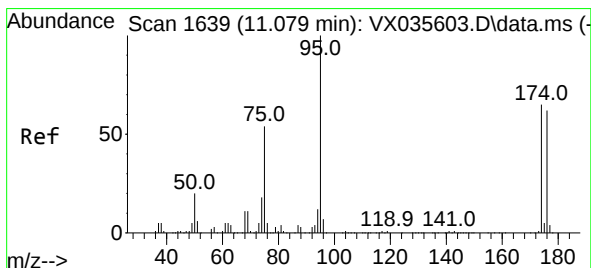
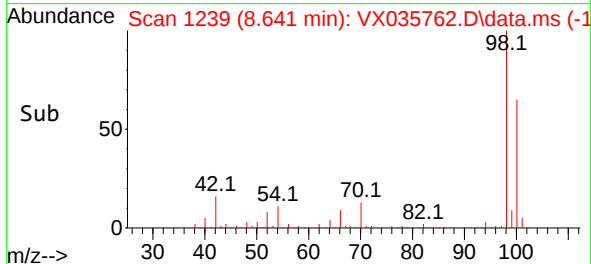
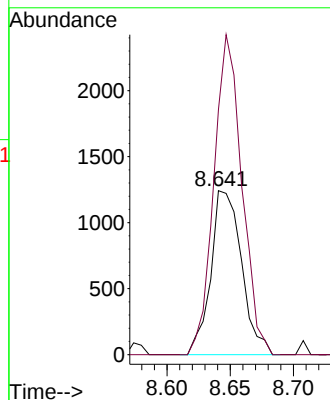
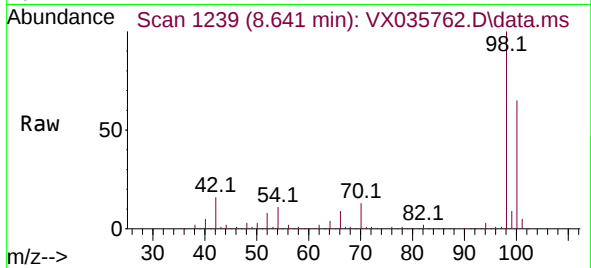




#51
4-Methyl-2-Pentanone
Concen: 0.551 ug/l
RT: 8.641 min Scan# 1228
Delta R.T. 0.067 min
Lab File: VX035762.D
Acq: 19 May 2023 15:54

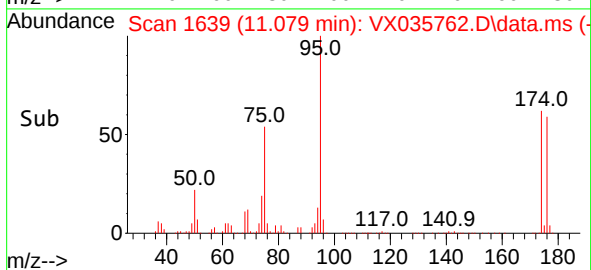
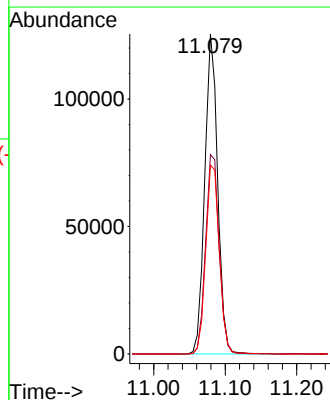
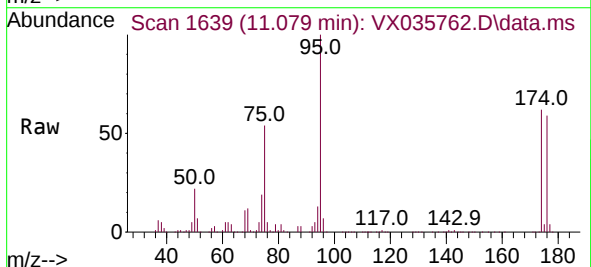
Instrument :
MSVOA_X
ClientSampleId :
FSND-EQB-08-05112023

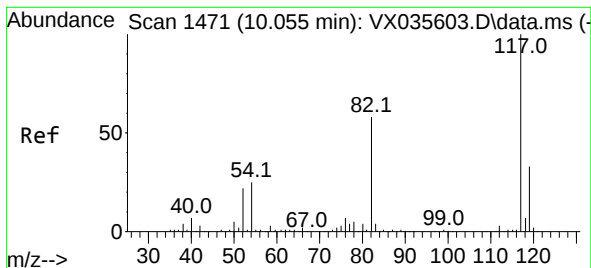
Tgt Ion: 43 Resp: 2100
Ion Ratio Lower Upper
43 100
58 178.0 30.6 46.0#



#62
4-Bromofluorobenzene
Concen: 45.943 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035762.D
Acq: 19 May 2023 15:54

Tgt Ion: 95 Resp: 157589
Ion Ratio Lower Upper
95 100
174 65.4 0.0 147.4
176 62.2 0.0 140.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX035762.D

Acq: 19 May 2023 15:54

Instrument :

MSVOA_X

ClientSampleId :

FSND-EQB-08-05112023

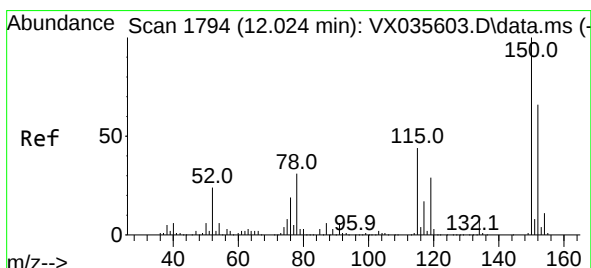
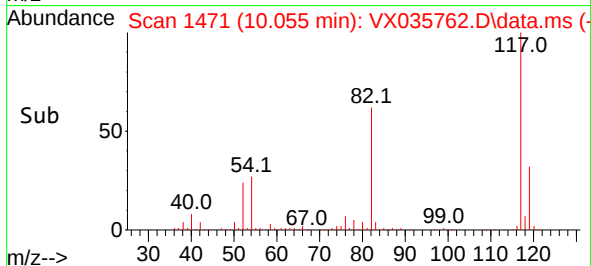
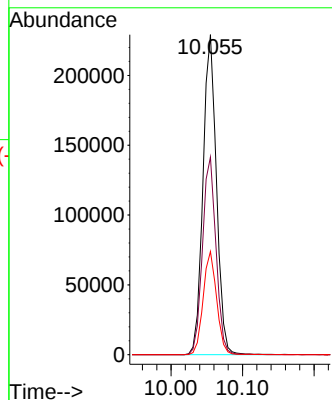
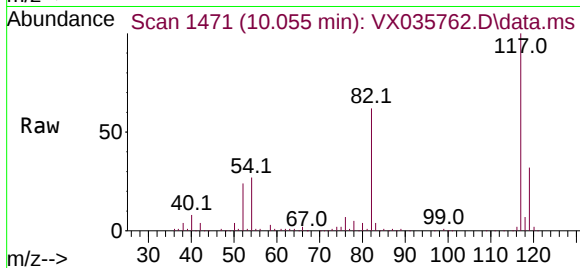
Tgt Ion:117 Resp: 299535

Ion Ratio Lower Upper

117 100

82 61.8 45.0 67.4

119 32.3 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: VX035762.D

Acq: 19 May 2023 15:54

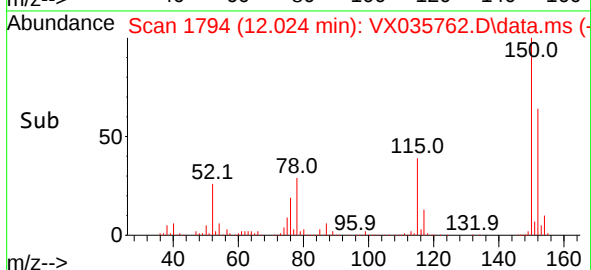
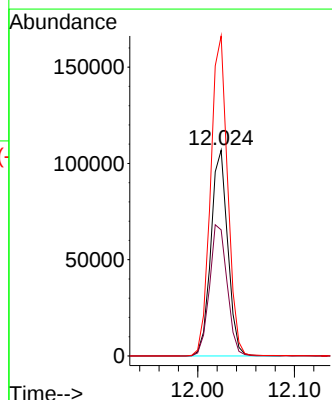
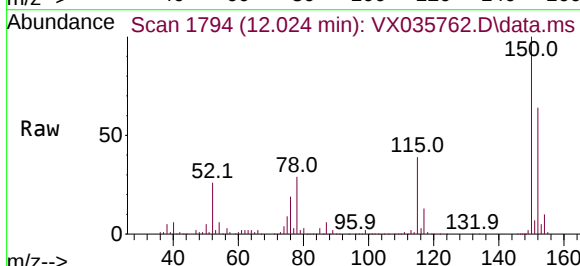
Tgt Ion:152 Resp: 129533

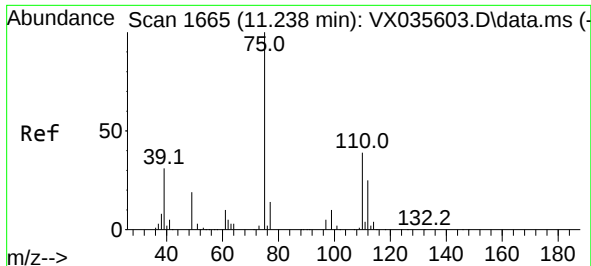
Ion Ratio Lower Upper

152 100

115 66.6 45.0 135.0

150 157.3 0.0 352.4

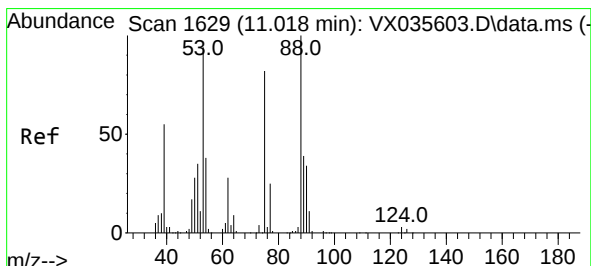
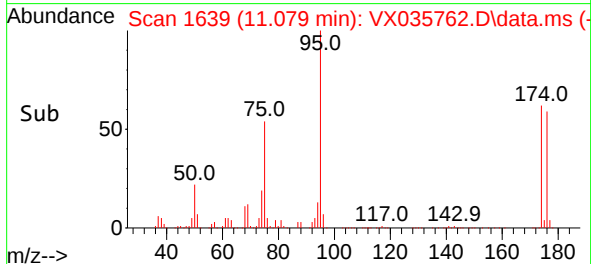
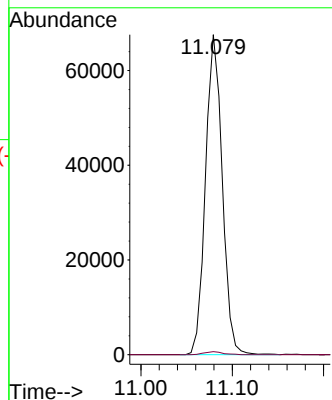
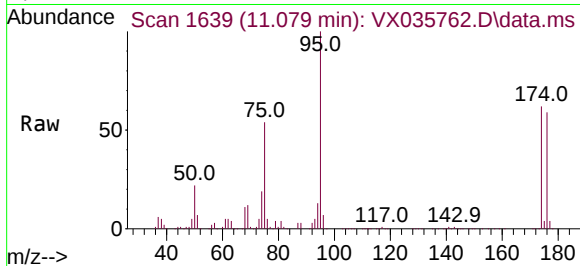




#76
1,2,3-Trichloropropane
Concen: 27.056 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX035762.D
Acq: 19 May 2023 15:54

Instrument :
MSVOA_X
ClientSampleId :
FSND-EQB-08-05112023

Tgt Ion: 75 Resp: 85724
Ion Ratio Lower Upper
75 100
77 1.0 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.197 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX035762.D
Acq: 19 May 2023 15:54

Tgt Ion: 75 Resp: 85724
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#

