

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051923\
 Data File : VX035770.D
 Acq On : 19 May 2023 19:00
 Operator : JC/MD
 Sample : 02860-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-EQB-10-05152023

Quant Time: May 22 05:20:16 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)

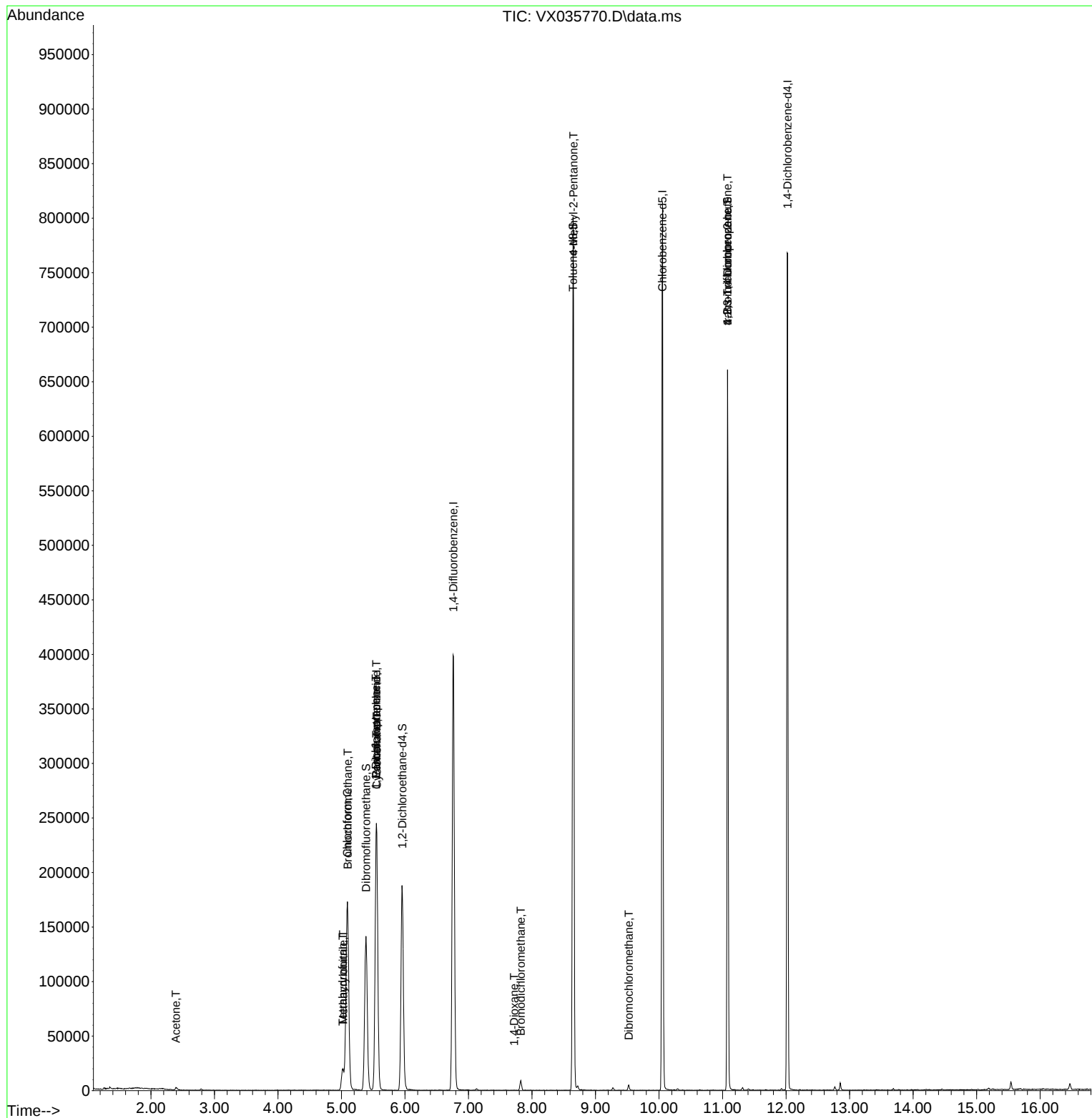
Internal Standards						
1) Pentafluorobenzene	5.550	168	209282	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	382084	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	331654	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	145745	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	189297	51.848	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	103.700%
35) Dibromofluoromethane	5.385	113	123131	47.785	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.580%
50) Toluene-d8	8.647	98	454146	47.708	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.420%
62) 4-Bromofluorobenzene	11.079	95	174698	45.579	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.160%
Target Compounds						
					Qvalue	
16) Acetone	2.392	43	3350	2.135	ug/l	99
28) Bromochloromethane	5.099	49	18742	7.970	ug/l #	15
29) Tetrahydrofuran	5.019	42	21097	15.452	ug/l	95
30) Chloroform	5.093	83	201183	37.551	ug/l	99
31) Cyclohexane	5.556	56	5786	1.254	ug/l #	5
36) 1,1-Dichloropropene	5.544	75	19889	4.890	ug/l #	51
38) Carbon Tetrachloride	5.550	117	24229	6.288	ug/l #	15
41) Methacrylonitrile	5.026	41	13145	5.219	ug/l #	46
47) Bromodichloromethane	7.824	83	5747	1.441	ug/l	98
49) 1,4-Dioxane	7.720	88	28	2.347	ug/l #	80
51) 4-Methyl-2-Pentanone	8.653	43	2424	0.569	ug/l #	1
60) Dibromochloromethane	9.525	129	565	0.210	ug/l	76
76) 1,2,3-Trichloropropane	11.079	75	97160	27.254	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	97160	87.836	ug/l #	8

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

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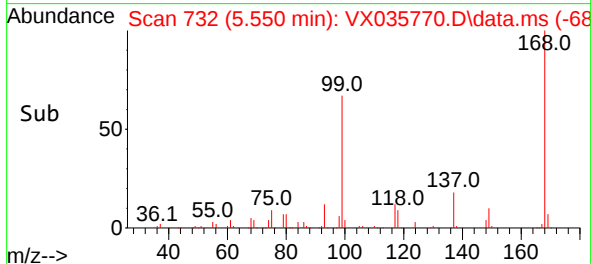
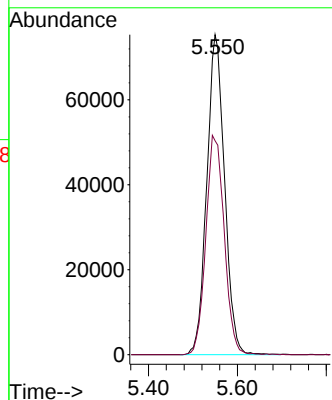
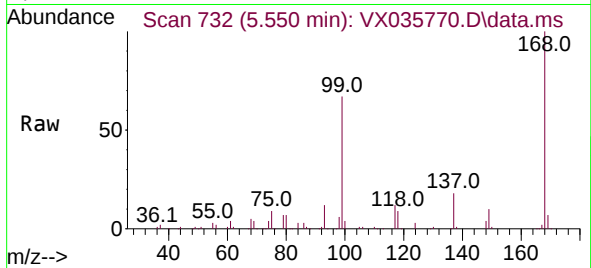




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX035770.D
Acq: 19 May 2023 19:00

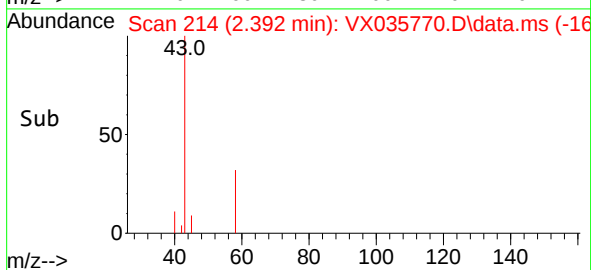
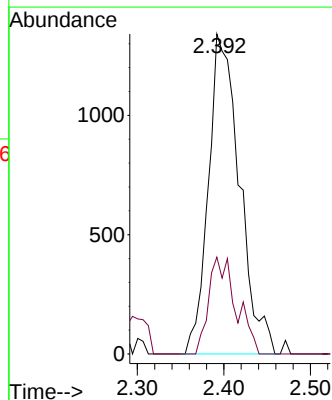
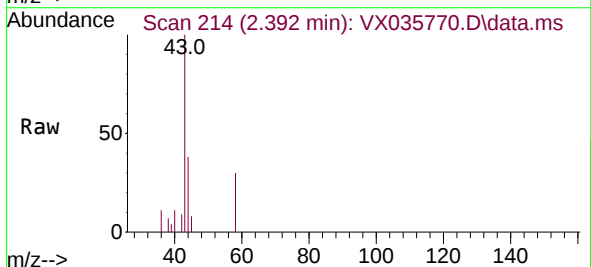
Instrument :
MSVOA_X
ClientSampleId :
FSND-EQB-10-05152023

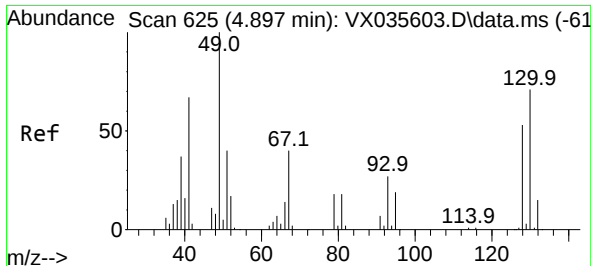
Tgt Ion:168 Resp: 209282
Ion Ratio Lower Upper
168 100
99 66.8 45.7 68.5



#16
Acetone
Concen: 2.135 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX035770.D
Acq: 19 May 2023 19:00

Tgt Ion: 43 Resp: 3350
Ion Ratio Lower Upper
43 100
58 30.3 24.7 37.1





#28

Bromochloromethane

Concen: 7.970 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.202 min

Lab File: VX035770.D

Acq: 19 May 2023 19:00

Instrument :

MSVOA_X

ClientSampleId :

FSND-EQB-10-05152023

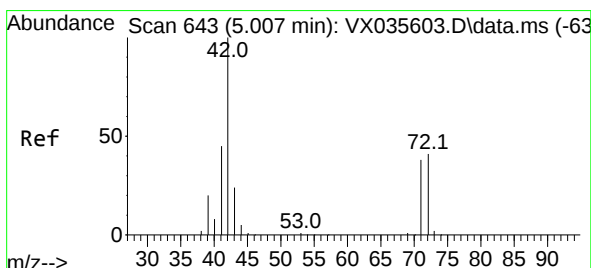
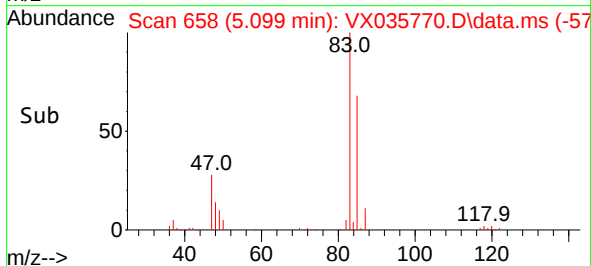
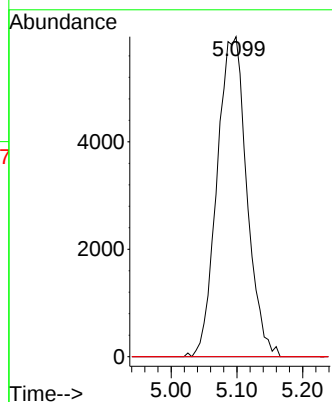
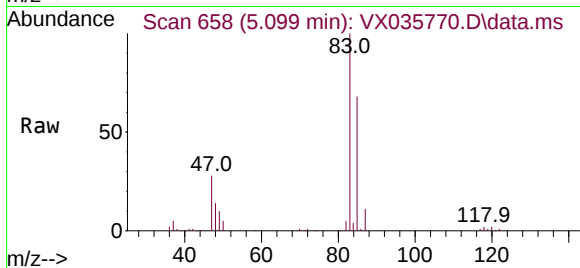
Tgt Ion: 49 Resp: 18742

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.0

130 0.0 58.2 87.2#



#29

Tetrahydrofuran

Concen: 15.452 ug/l

RT: 5.019 min Scan# 645

Delta R.T. 0.012 min

Lab File: VX035770.D

Acq: 19 May 2023 19:00

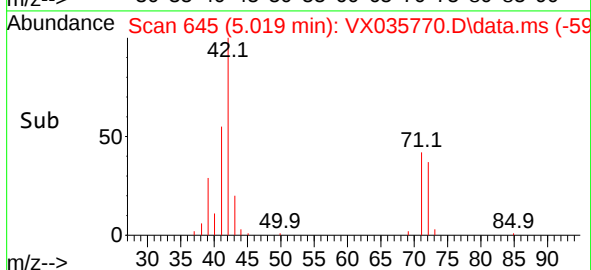
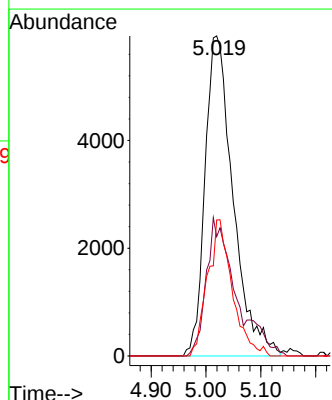
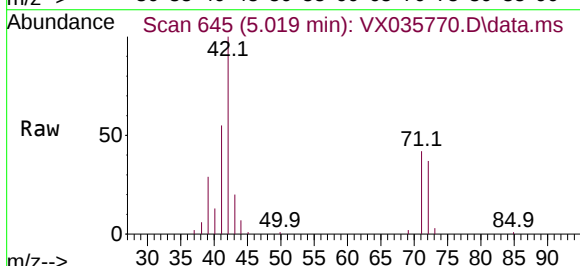
Tgt Ion: 42 Resp: 21097

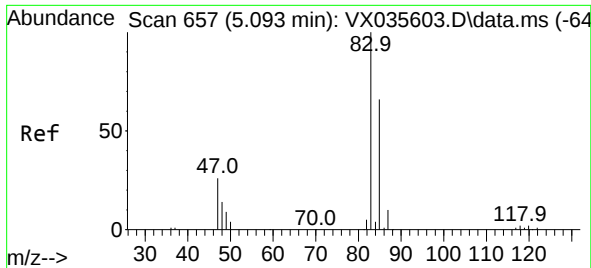
Ion Ratio Lower Upper

42 100

72 39.2 34.5 51.7

71 37.6 32.1 48.1

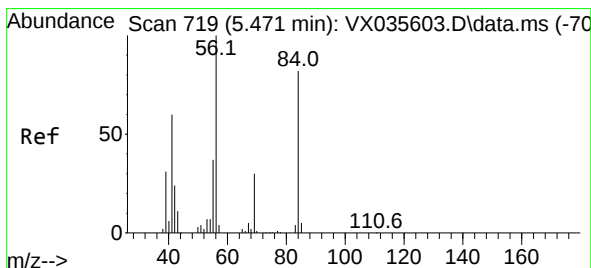
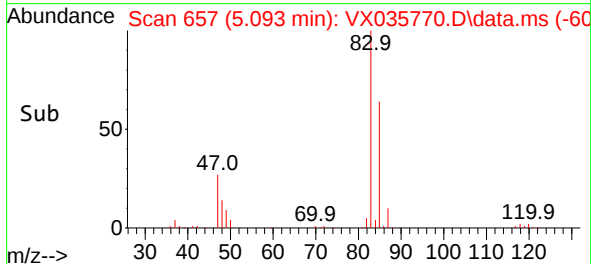
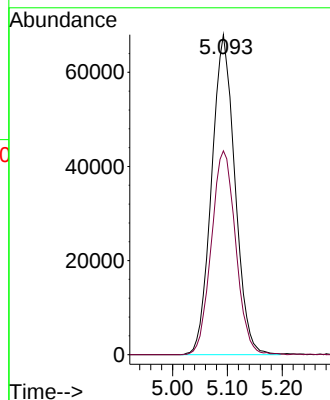
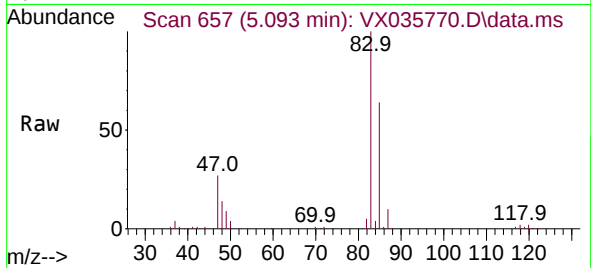




#30
Chloroform
Concen: 37.551 ug/l
RT: 5.093 min Scan# 611
Delta R.T. -0.000 min
Lab File: VX035770.D
Acq: 19 May 2023 19:00

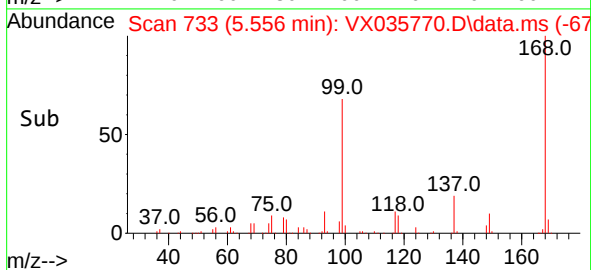
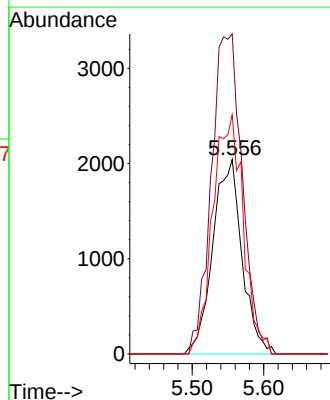
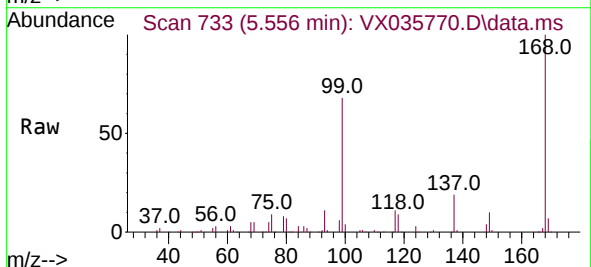
Instrument :
MSVOA_X
ClientSampleId :
FSND-EQB-10-05152023

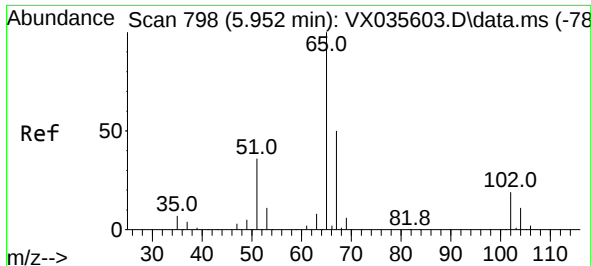
Tgt Ion: 83 Resp: 201183
Ion Ratio Lower Upper
83 100
85 63.7 50.6 76.0



#31
Cyclohexane
Concen: 1.254 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX035770.D
Acq: 19 May 2023 19:00

Tgt Ion: 56 Resp: 5786
Ion Ratio Lower Upper
56 100
69 164.6 23.7 35.5#
84 123.1 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 51.848 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX035770.D

Acq: 19 May 2023 19:00

Instrument :

MSVOA_X

ClientSampleId :

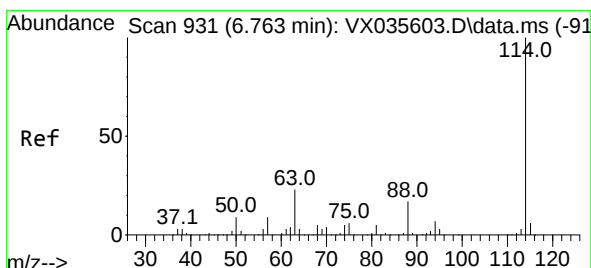
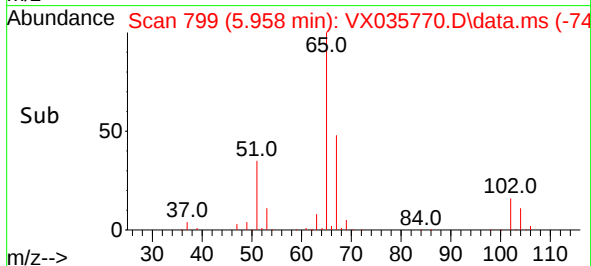
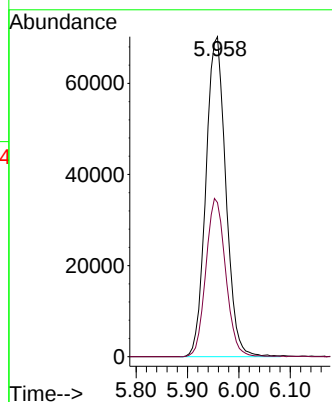
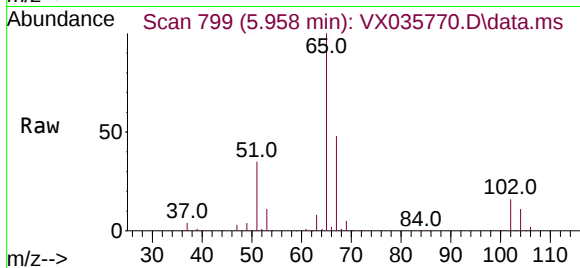
FSND-EQB-10-05152023

Tgt Ion: 65 Resp: 189297

Ion Ratio Lower Upper

65 100

67 49.1 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: VX035770.D

Acq: 19 May 2023 19:00

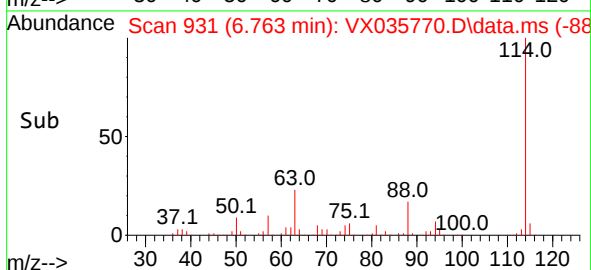
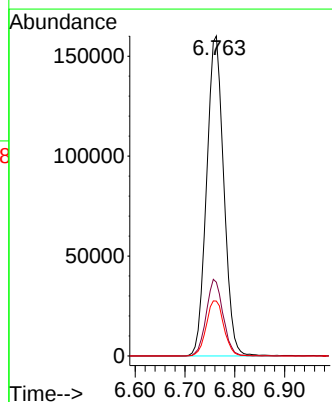
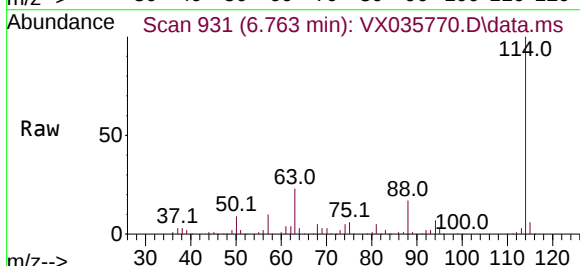
Tgt Ion: 114 Resp: 382084

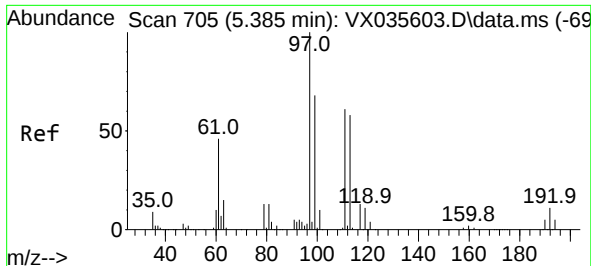
Ion Ratio Lower Upper

114 100

63 23.1 0.0 42.2

88 17.2 0.0 33.2

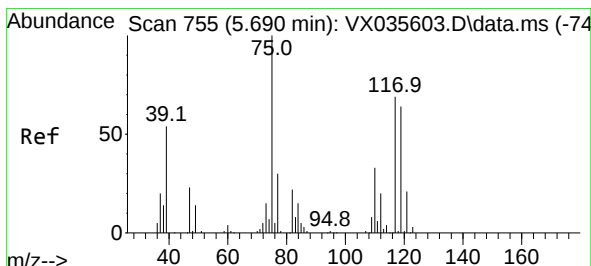
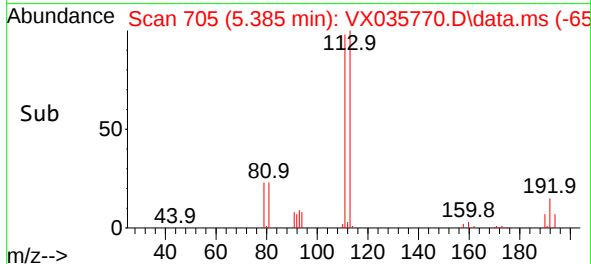
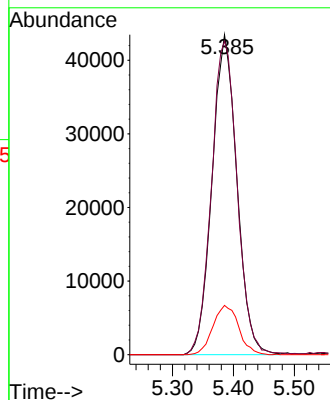
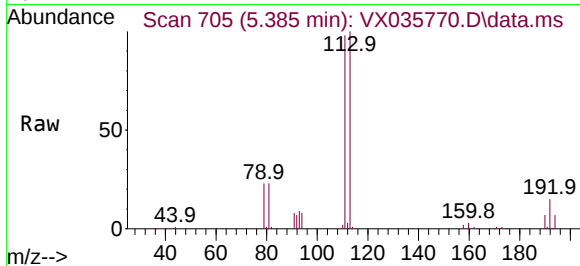




#35
Dibromofluoromethane
Concen: 47.785 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035770.D
Acq: 19 May 2023 19:00

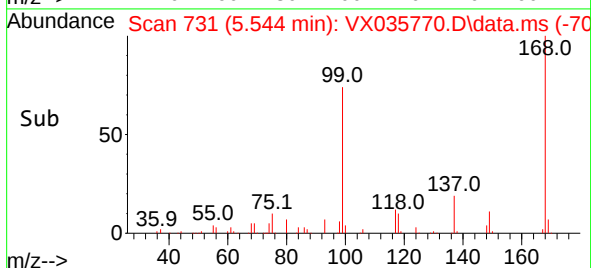
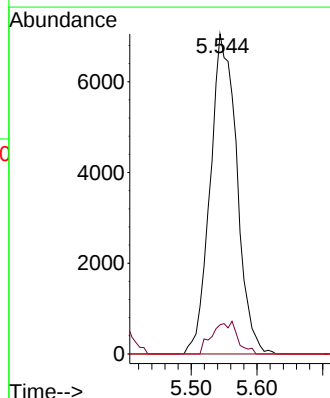
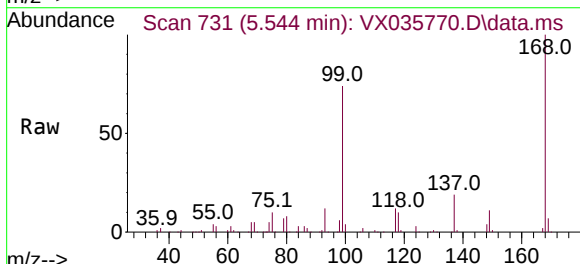
Instrument :
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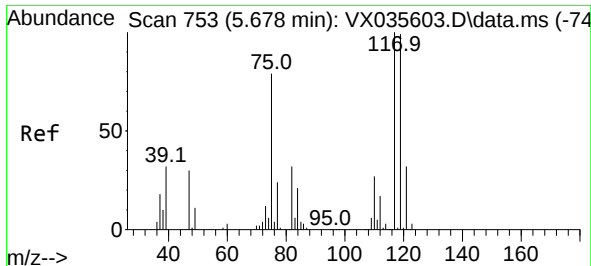
Tgt Ion:113 Resp: 123131
Ion Ratio Lower Upper
113 100
111 101.6 83.7 125.5
192 16.0 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.890 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX035770.D
Acq: 19 May 2023 19:00

Tgt Ion: 75 Resp: 19889
Ion Ratio Lower Upper
75 100
110 9.6 17.5 52.5#
77 0.0 24.3 36.5#

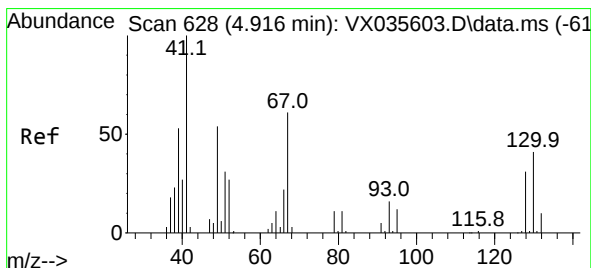
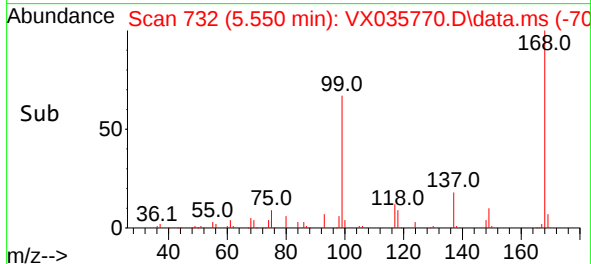
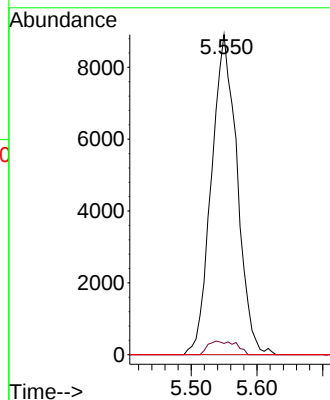
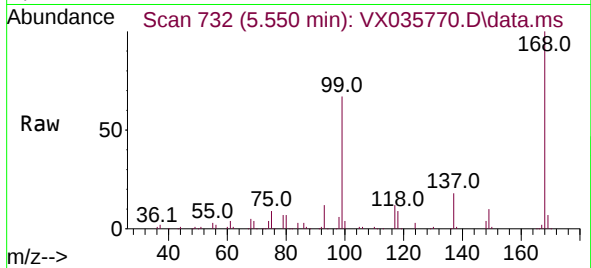




#38
Carbon Tetrachloride
Concen: 6.288 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX035770.D
Acq: 19 May 2023 19:00

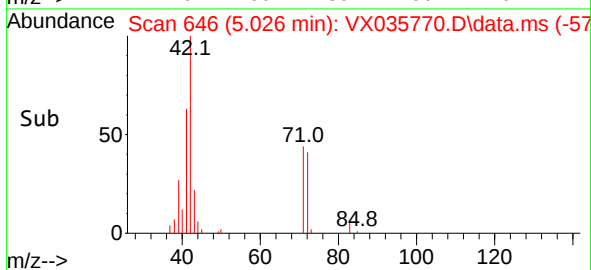
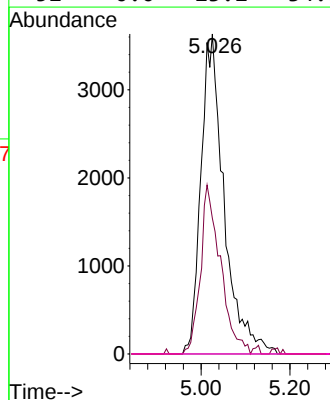
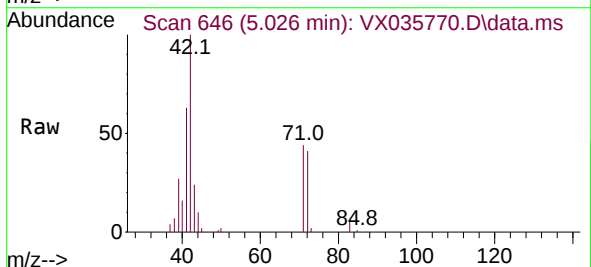
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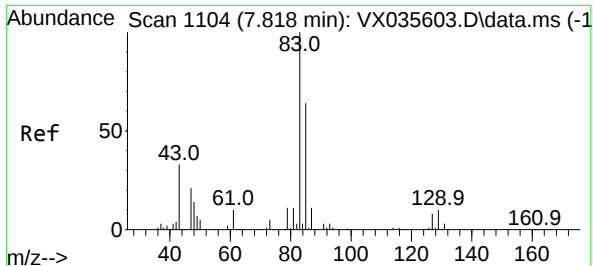
Tgt Ion:117 Resp: 24229
Ion Ratio Lower Upper
117 100
119 3.5 76.6 114.8#
121 0.0 23.8 35.6#



#41
Methacrylonitrile
Concen: 5.219 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.109 min
Lab File: VX035770.D
Acq: 19 May 2023 19:00

Tgt Ion: 41 Resp: 13145
Ion Ratio Lower Upper
41 100
39 45.7 45.0 67.6
67 0.0 55.6 83.4#
52 0.0 23.2 34.8#





#47

Bromodichloromethane

Concen: 1.441 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VX035770.D

Acq: 19 May 2023 19:00

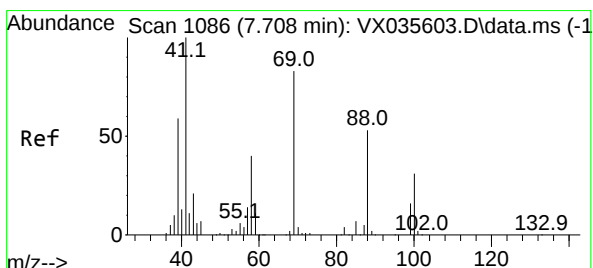
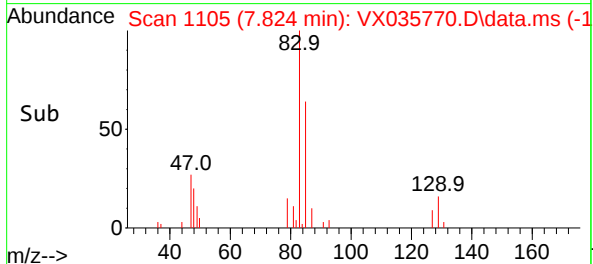
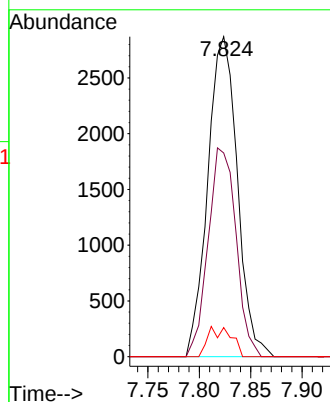
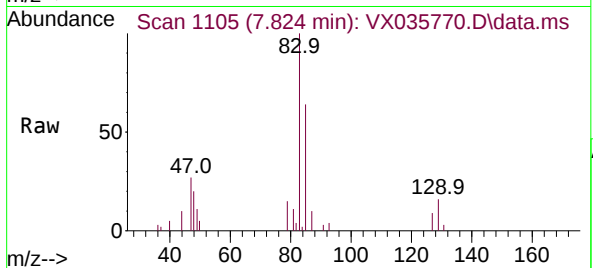
Instrument :

MSVOA_X

ClientSampleId :

FSND-EQB-10-05152023

Tgt Ion: 83	Resp: 5747
Ion Ratio	Lower Upper
83 100	
85 63.7	52.2 78.4
127 9.1	6.6 9.8



#49

1,4-Dioxane

Concen: 2.347 ug/l

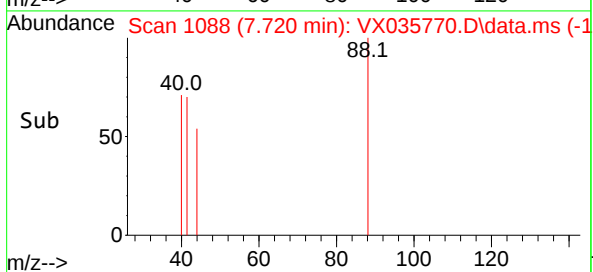
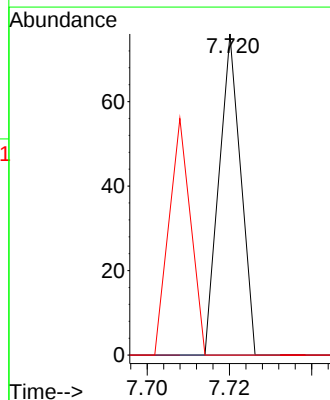
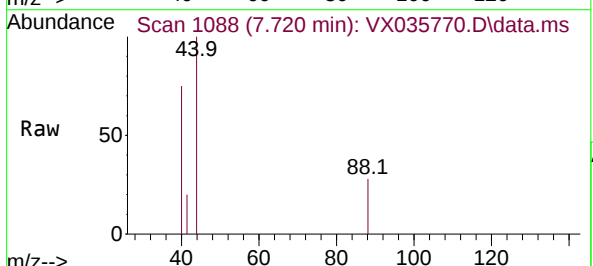
RT: 7.720 min Scan# 1088

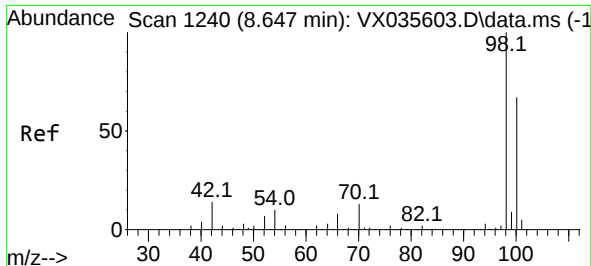
Delta R.T. 0.012 min

Lab File: VX035770.D

Acq: 19 May 2023 19:00

Tgt Ion: 88	Resp: 28
Ion Ratio	Lower Upper
88 100	
43 0.0	27.7 41.5#
58 71.4	56.8 85.2

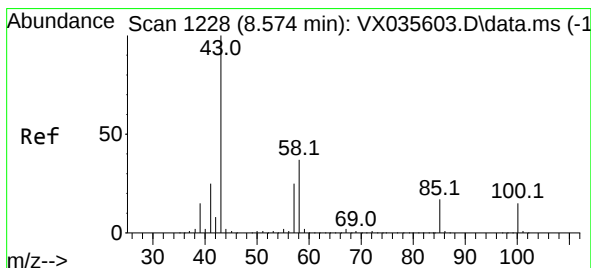
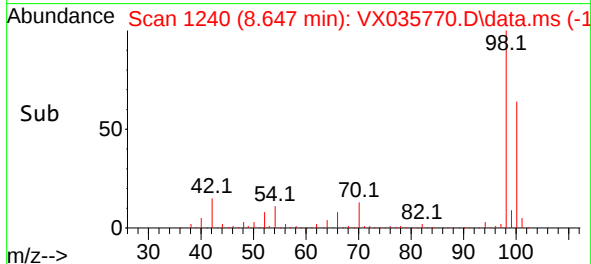
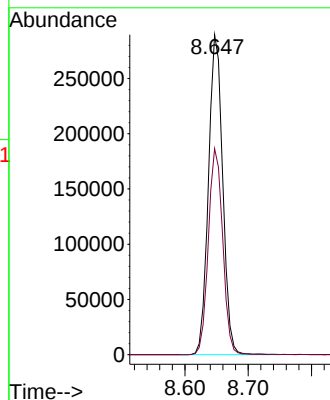
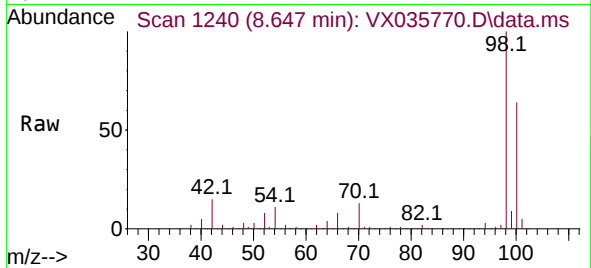




#50
Toluene-d8
Concen: 47.708 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035770.D
Acq: 19 May 2023 19:00

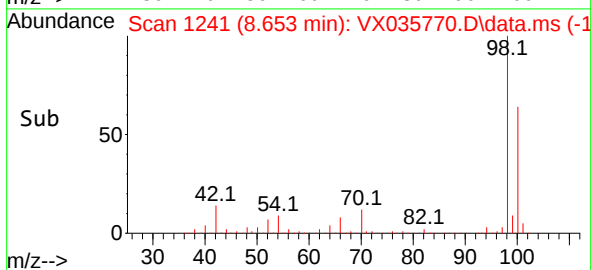
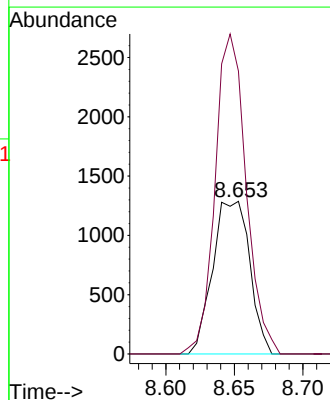
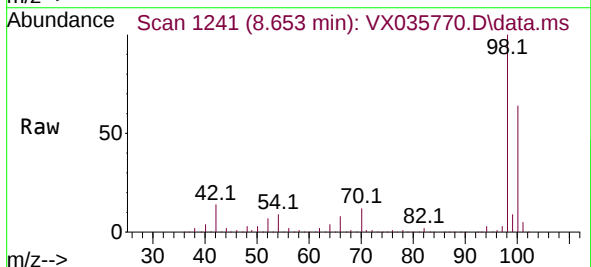
Instrument :
MSVOA_X
ClientSampleId :
FSND-EQB-10-05152023

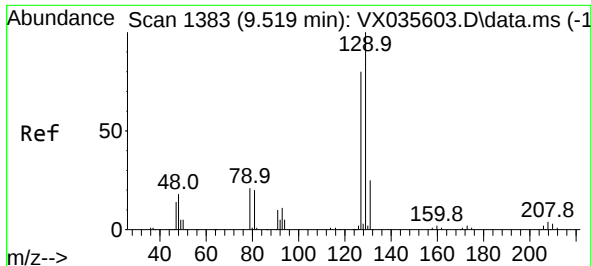
Tgt Ion: 98 Resp: 454146
Ion Ratio Lower Upper
98 100
100 65.0 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.569 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.079 min
Lab File: VX035770.D
Acq: 19 May 2023 19:00

Tgt Ion: 43 Resp: 2424
Ion Ratio Lower Upper
43 100
58 175.4 30.6 46.0#

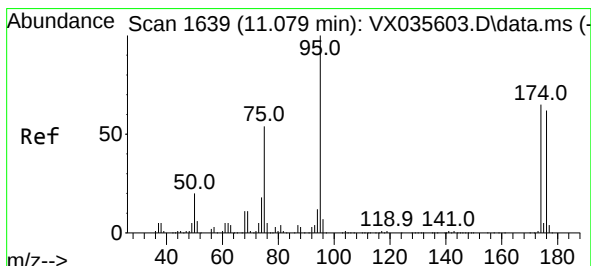
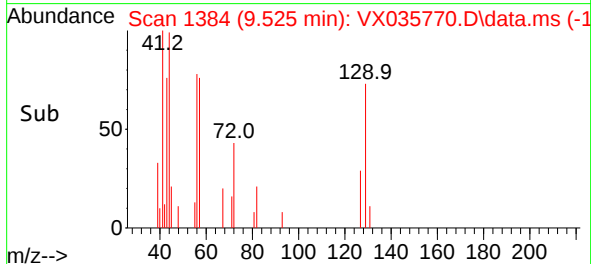
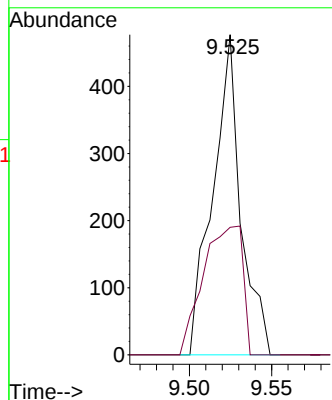
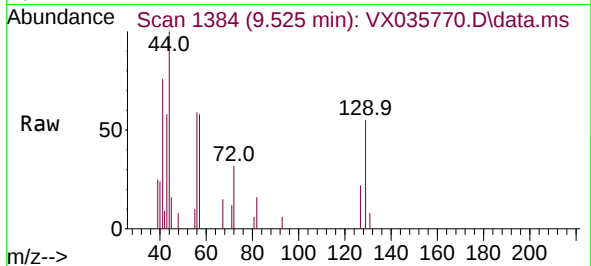




#60
Dibromochloromethane
Concen: 0.210 ug/l
RT: 9.525 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX035770.D
Acq: 19 May 2023 19:00

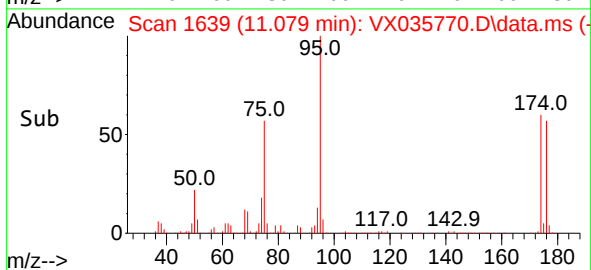
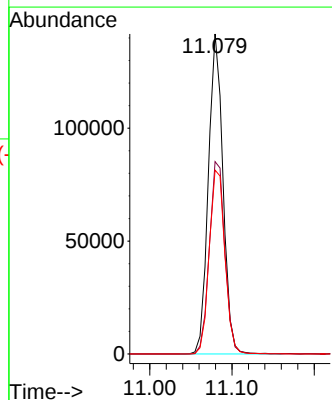
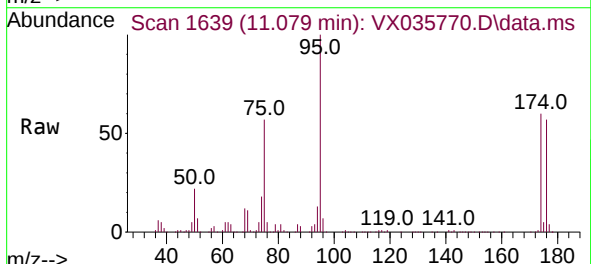
Instrument :
MSVOA_X
ClientSampleId :
FSND-EQB-10-05152023

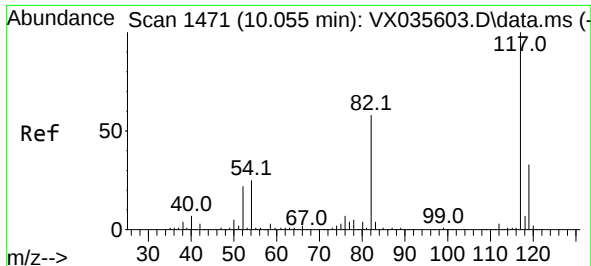
Tgt Ion:129 Resp: 565
Ion Ratio Lower Upper
129 100
127 56.8 39.0 117.0



#62
4-Bromofluorobenzene
Concen: 45.579 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035770.D
Acq: 19 May 2023 19:00

Tgt Ion: 95 Resp: 174698
Ion Ratio Lower Upper
95 100
174 64.0 0.0 147.4
176 61.7 0.0 140.6

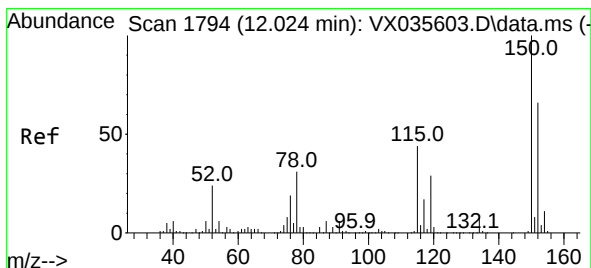
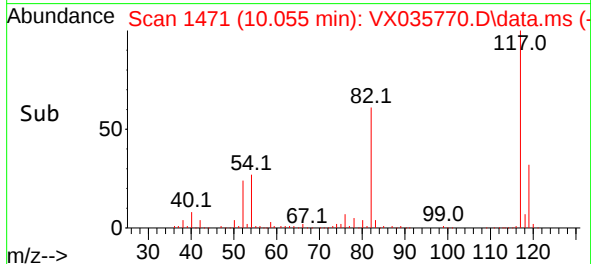
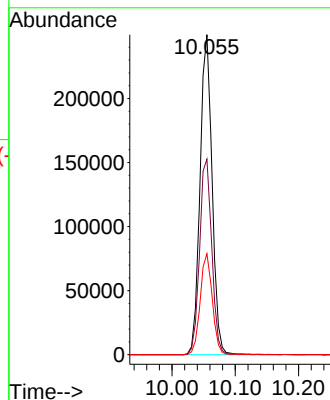
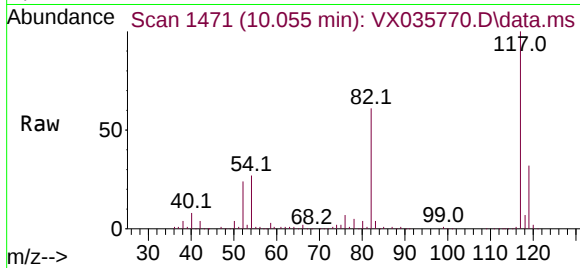




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035770.D
Acq: 19 May 2023 19:00

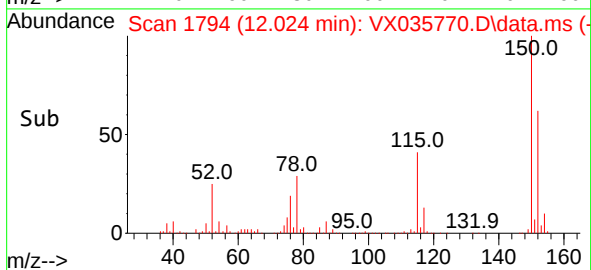
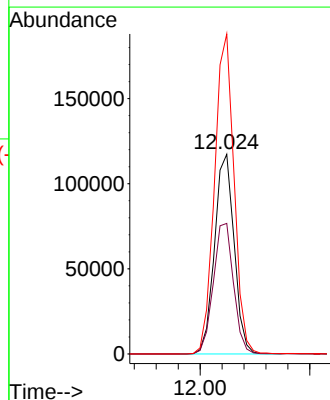
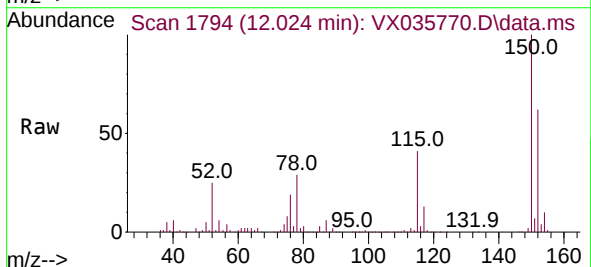
Instrument :
MSVOA_X
ClientSampleId :
FSND-EQB-10-05152023

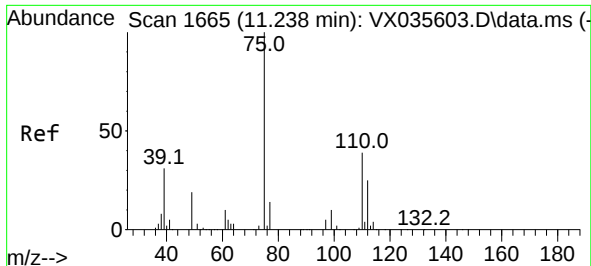
Tgt Ion:117 Resp: 331654
Ion Ratio Lower Upper
117 100
82 61.1 45.0 67.4
119 31.5 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX035770.D
Acq: 19 May 2023 19:00

Tgt Ion:152 Resp: 145745
Ion Ratio Lower Upper
152 100
115 67.5 45.0 135.0
150 159.1 0.0 352.4

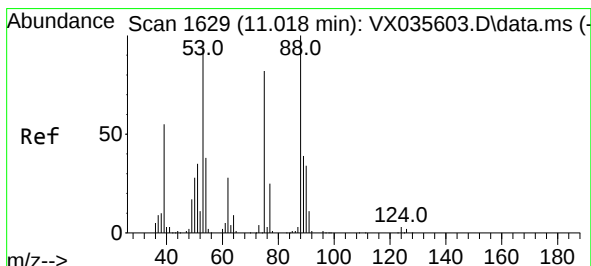
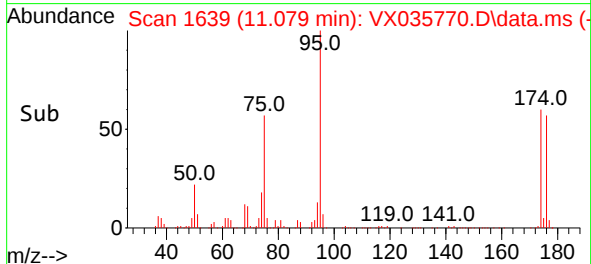
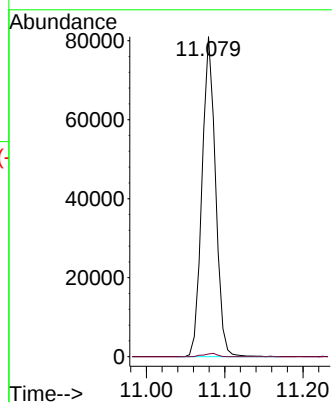
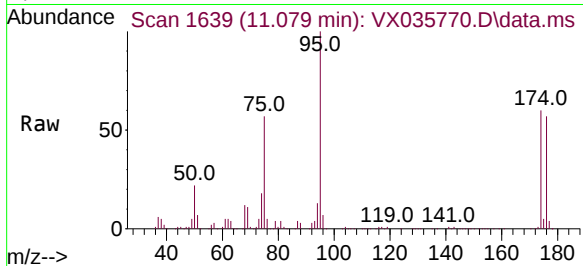




#76
1,2,3-Trichloropropane
Concen: 27.254 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX035770.D
Acq: 19 May 2023 19:00

Instrument :
MSVOA_X
ClientSampleId :
FSND-EQB-10-05152023

Tgt Ion: 75 Resp: 97160
Ion Ratio Lower Upper
75 100
77 1.1 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.836 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX035770.D
Acq: 19 May 2023 19:00

Tgt Ion: 75 Resp: 97160
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#

