

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051523\
 Data File : VX035670.D
 Acq On : 15 May 2023 17:09
 Operator : JC/MD
 Sample : 02751-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-EQB-04-05062023

Quant Time: May 16 05:02:00 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)

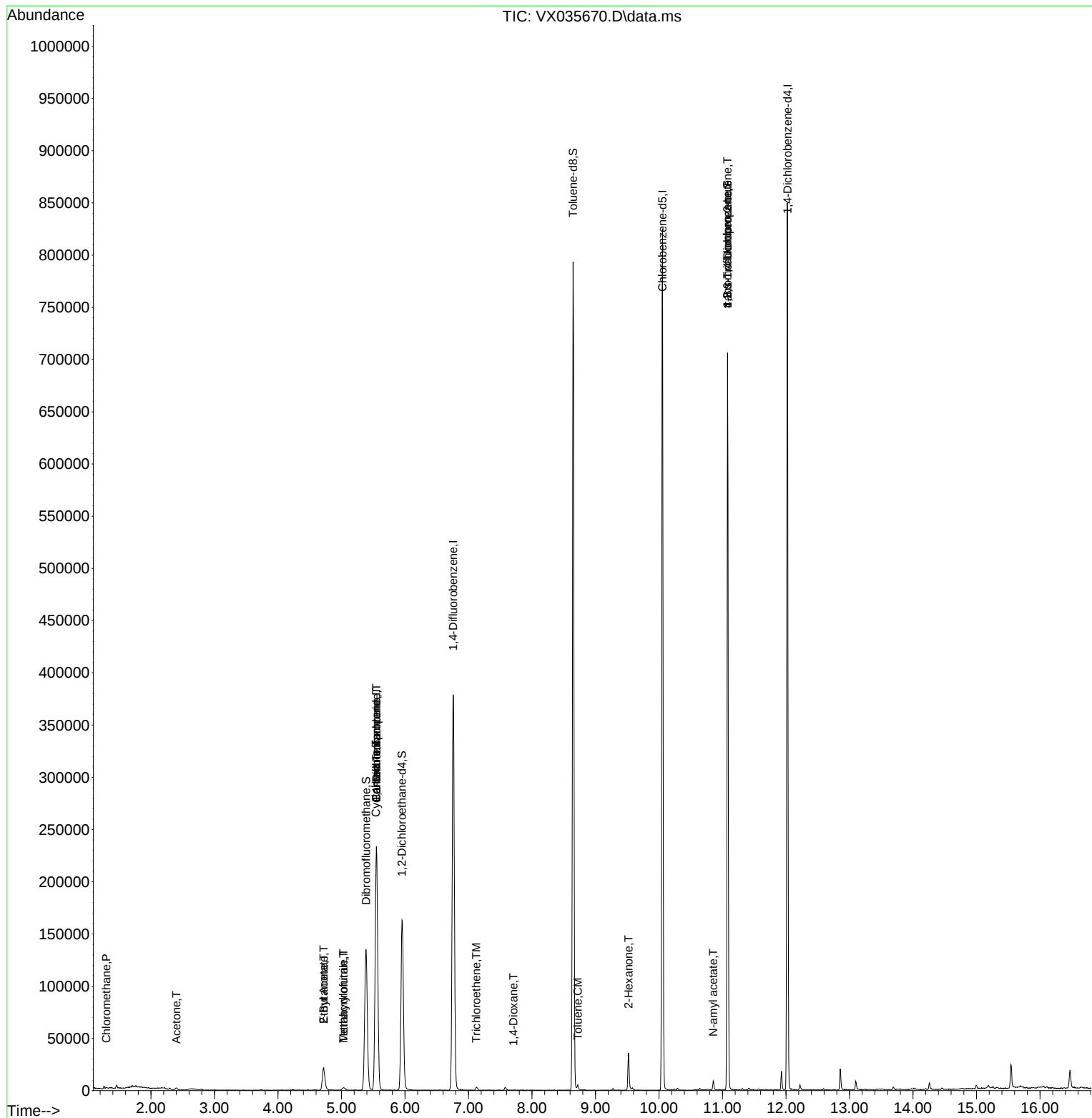
Internal Standards						
1) Pentafluorobenzene	5.550	168	199927	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	369544	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	341959	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	156634	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	166257	47.668	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	95.340%	
35) Dibromofluoromethane	5.385	113	117299	47.067	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	94.140%	
50) Toluene-d8	8.647	98	443508	48.172	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	96.340%	
62) 4-Bromofluorobenzene	11.079	95	185658	50.082	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	100.160%	
Target Compounds						
						Qvalue
3) Chloromethane	1.295	50	706	0.223	ug/l	# 72
16) Acetone	2.398	43	3146	2.099	ug/l	# 87
25) 2-Butanone	4.721	43	38578	18.590	ug/l	# 51
29) Tetrahydrofuran	5.032	42	2420	1.855	ug/l	97
31) Cyclohexane	5.544	56	5283	1.199	ug/l	# 45
36) 1,1-Dichloropropene	5.550	75	19126	4.862	ug/l	# 51
37) Ethyl Acetate	4.721	43	38578	9.402	ug/l	99
38) Carbon Tetrachloride	5.550	117	23104	6.200	ug/l	# 16
41) Methacrylonitrile	5.032	41	842	0.346	ug/l	# 31
44) Trichloroethene	7.123	130	1281	0.459	ug/l	92
49) 1,4-Dioxane	7.708	88	79	3.009	ug/l	# 22
52) Toluene	8.720	92	1590	0.229	ug/l	99
59) 2-Hexanone	9.519	43	5395	1.738	ug/l	# 46
74) N-amyl acetate	10.854	43	1335	0.217	ug/l	# 22
76) 1,2,3-Trichloropropane	11.079	75	102619	26.784	ug/l	# 34
81) trans-1,4-Dichloro-2-b...	11.079	75	102619	86.322	ug/l	# 8

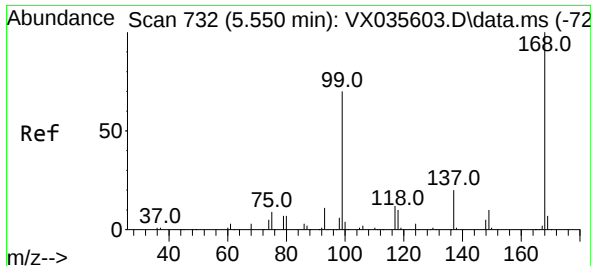
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.550 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX035670.D

Acq: 15 May 2023 17:09

Instrument :

MSVOA_X

ClientSampleId :

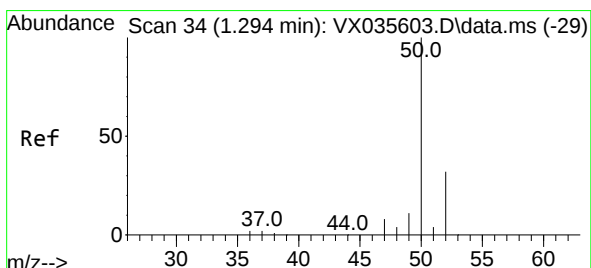
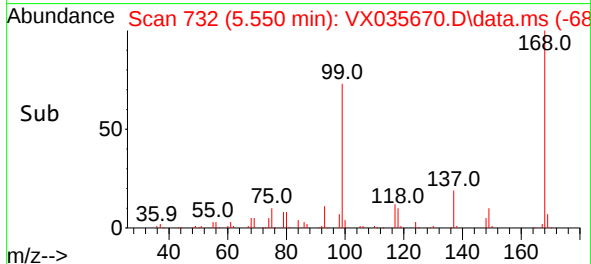
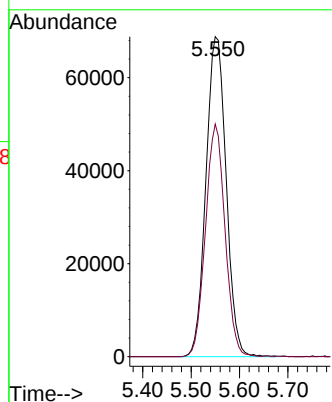
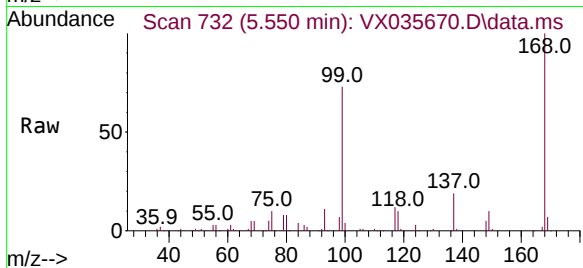
FSND-EQB-04-05062023

Tgt Ion:168 Resp: 199927

Ion Ratio Lower Upper

168 100

99 72.7 45.7 68.5#



#3

Chloromethane

Concen: 0.223 ug/l

RT: 1.295 min Scan# 34

Delta R.T. 0.001 min

Lab File: VX035670.D

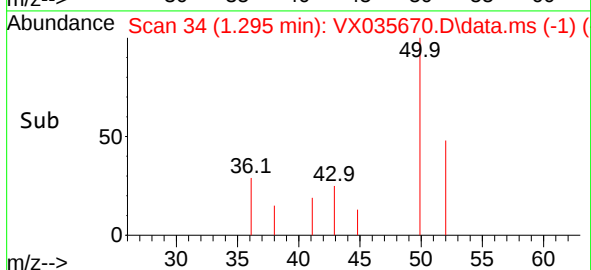
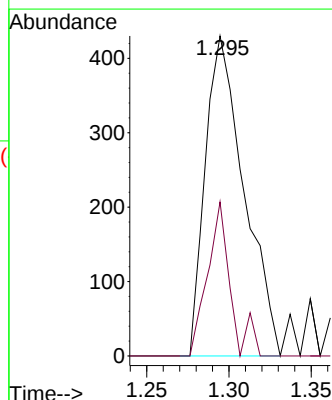
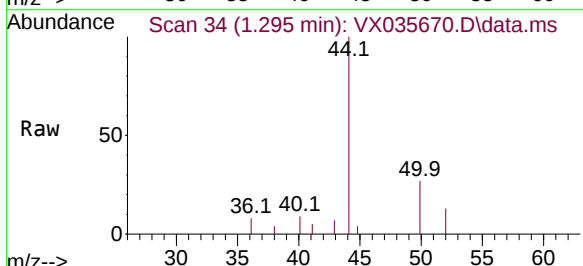
Acq: 15 May 2023 17:09

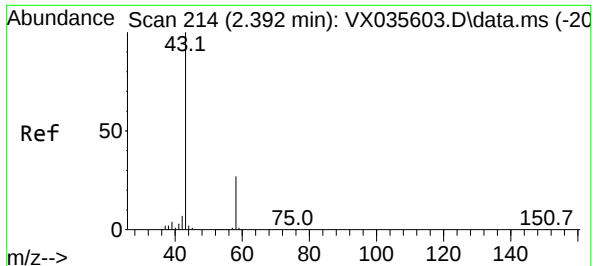
Tgt Ion: 50 Resp: 706

Ion Ratio Lower Upper

50 100

52 48.1 25.9 38.9#





#16

Acetone

Concen: 2.099 ug/l

RT: 2.398 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX035670.D

Acq: 15 May 2023 17:09

Instrument :

MSVOA_X

ClientSampleId :

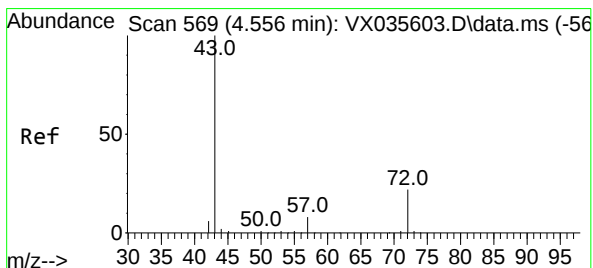
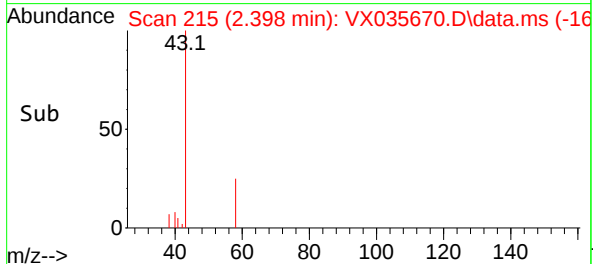
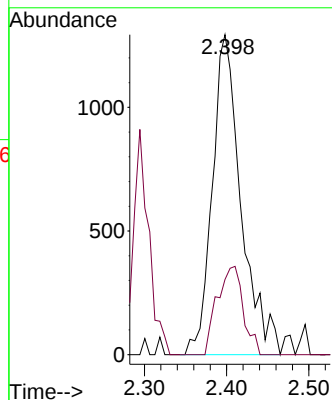
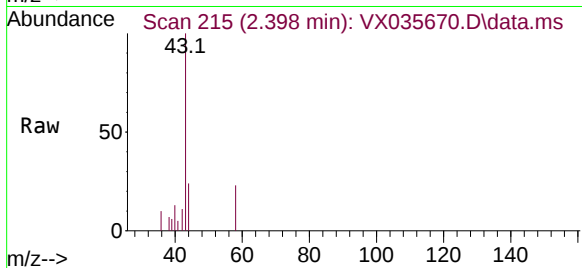
FSND-EQB-04-05062023

Tgt Ion: 43 Resp: 3146

Ion Ratio Lower Upper

43 100

58 23.5 24.7 37.1#



#25

2-Butanone

Concen: 18.590 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.165 min

Lab File: VX035670.D

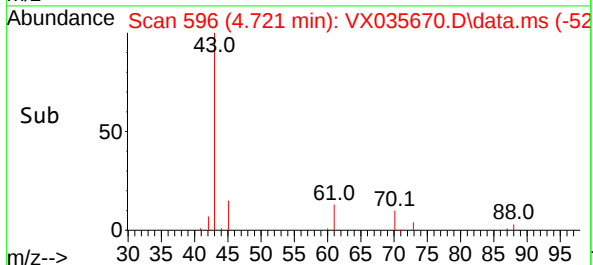
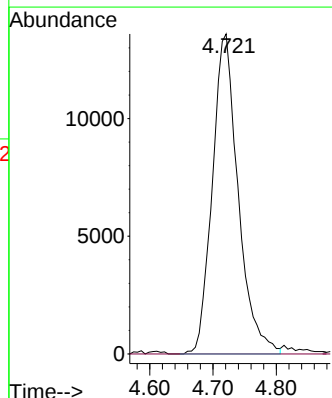
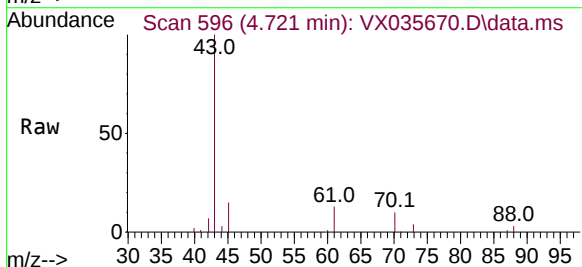
Acq: 15 May 2023 17:09

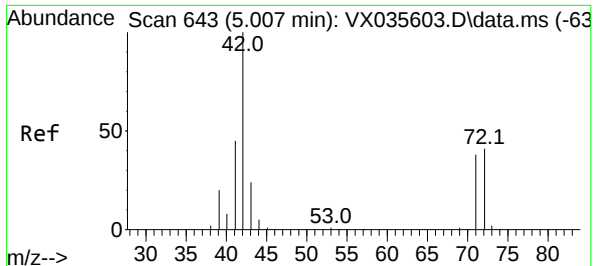
Tgt Ion: 43 Resp: 38578

Ion Ratio Lower Upper

43 100

72 0.0 19.3 28.9#





#29

Tetrahydrofuran

Concen: 1.855 ug/l

RT: 5.032 min Scan# 643

Delta R.T. 0.025 min

Lab File: VX035670.D

Acq: 15 May 2023 17:09

Instrument :

MSVOA_X

ClientSampleId :

FSND-EQB-04-05062023

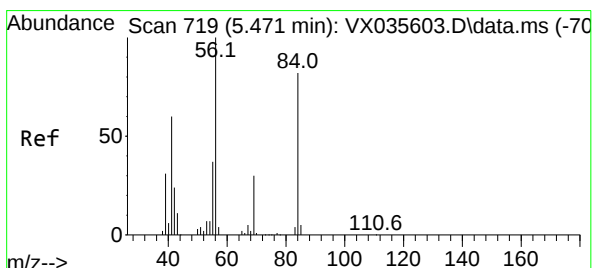
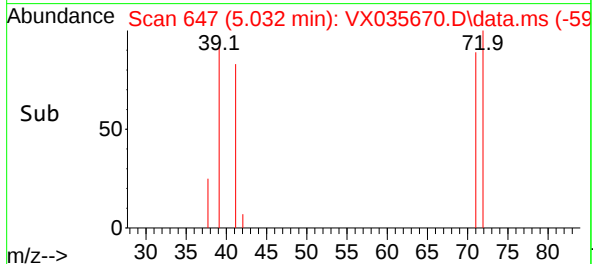
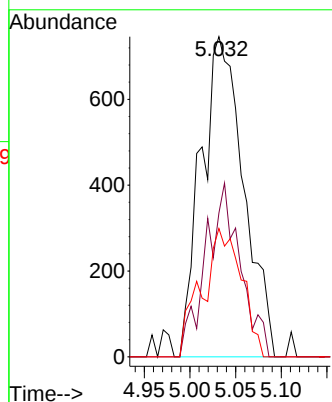
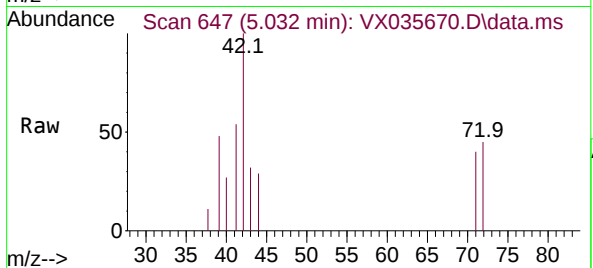
Tgt Ion: 42 Resp: 2420

Ion Ratio Lower Upper

42 100

72 44.0 34.5 51.7

71 37.2 32.1 48.1



#31

Cyclohexane

Concen: 1.199 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX035670.D

Acq: 15 May 2023 17:09

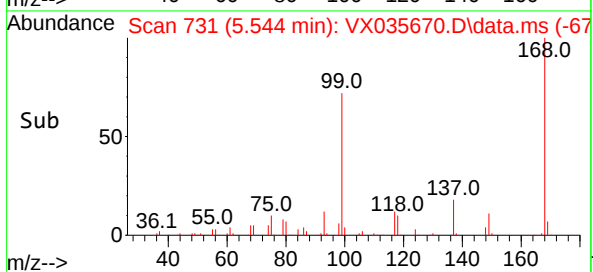
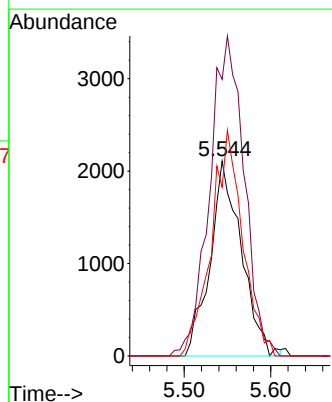
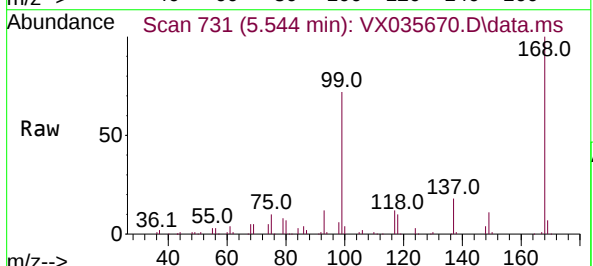
Tgt Ion: 56 Resp: 5283

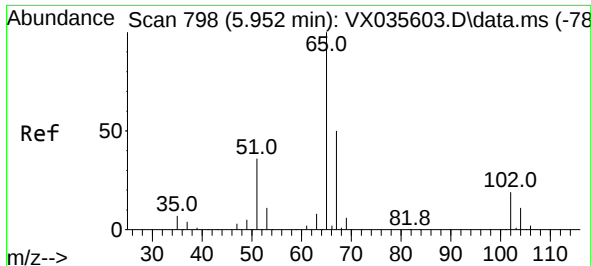
Ion Ratio Lower Upper

56 100

69 142.1 23.7 35.5#

84 86.7 68.5 102.7

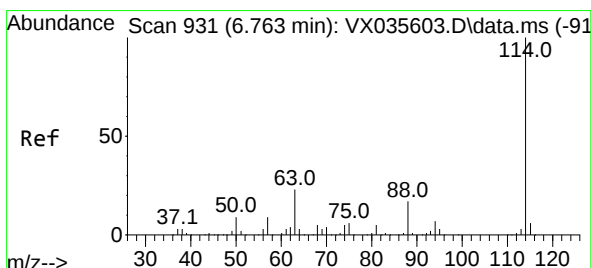
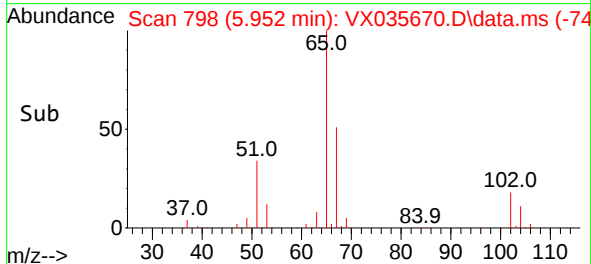
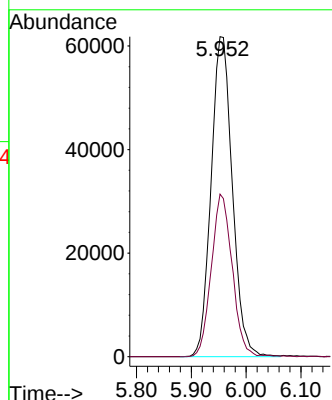
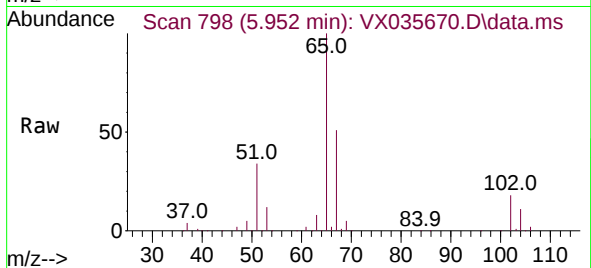




#33
 1,2-Dichloroethane-d4
 Concen: 47.668 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX035670.D
 Acq: 15 May 2023 17:09

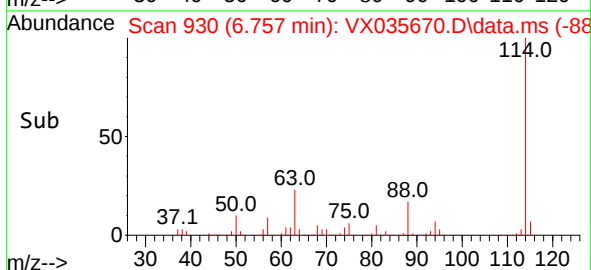
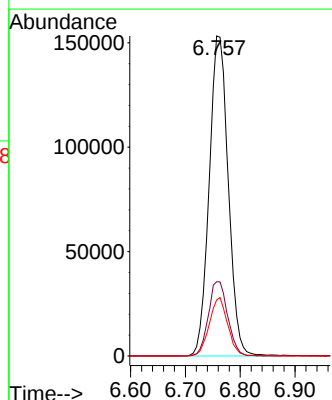
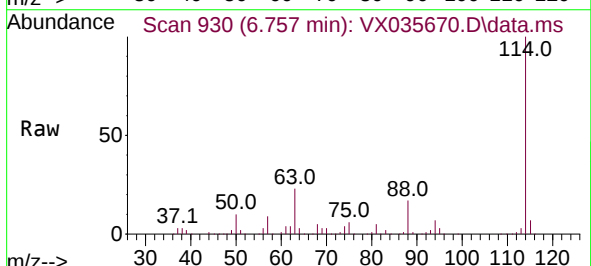
Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-EQB-04-05062023

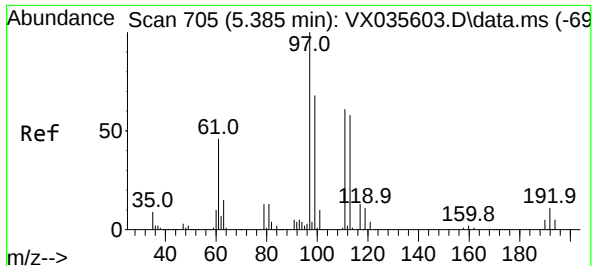
Tgt Ion: 65 Resp: 166257
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.006 min
 Lab File: VX035670.D
 Acq: 15 May 2023 17:09

Tgt Ion: 114 Resp: 369544
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 42.2
 88 17.5 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.067 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX035670.D

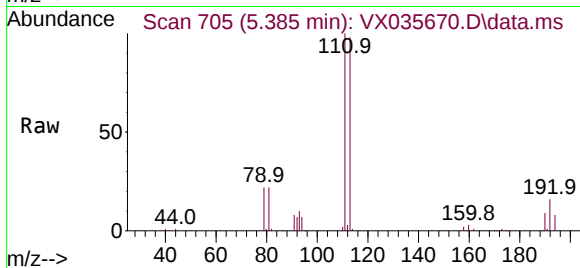
Acq: 15 May 2023 17:09

Instrument :

MSVOA_X

ClientSampleId :

FSND-EQB-04-05062023



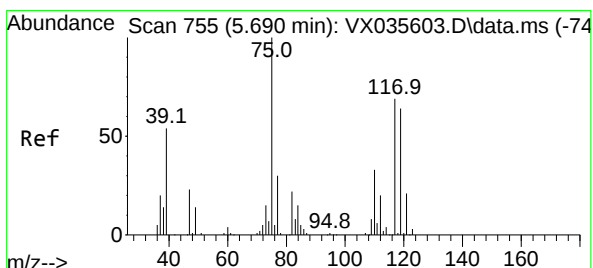
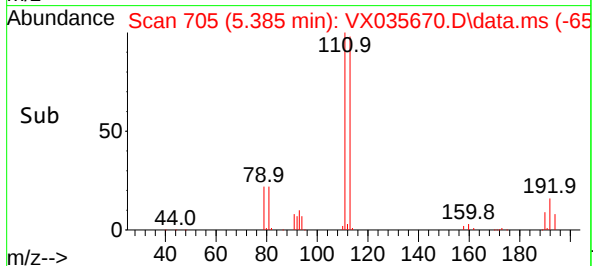
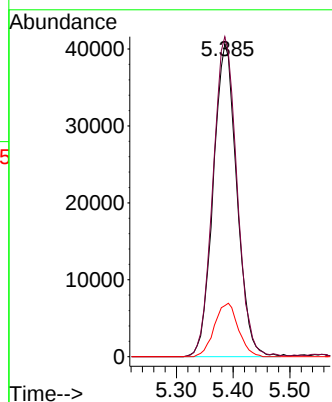
Tgt Ion:113 Resp: 117299

Ion Ratio Lower Upper

113 100

111 104.2 83.7 125.5

192 17.3 15.4 23.2



#36

1,1-Dichloropropene

Concen: 4.862 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX035670.D

Acq: 15 May 2023 17:09

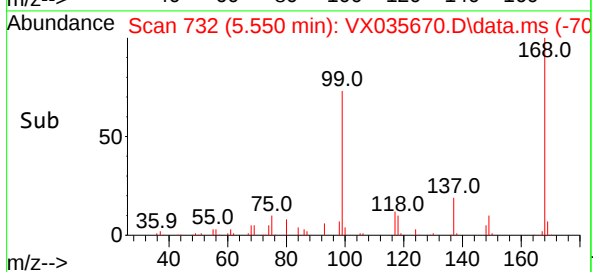
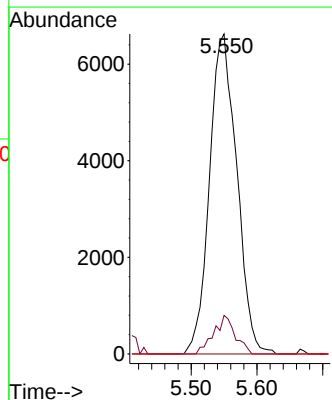
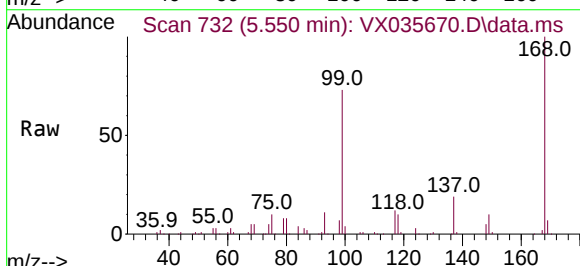
Tgt Ion: 75 Resp: 19126

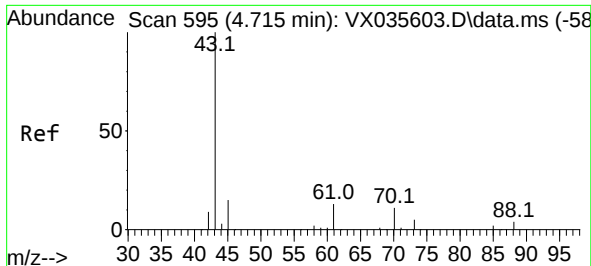
Ion Ratio Lower Upper

75 100

110 9.5 17.5 52.5#

77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 9.402 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.006 min

Lab File: VX035670.D

Acq: 15 May 2023 17:09

Instrument :

MSVOA_X

ClientSampleId :

FSND-EQB-04-05062023

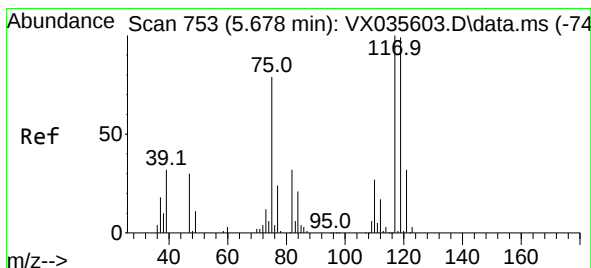
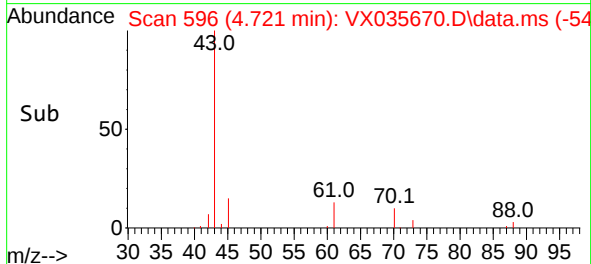
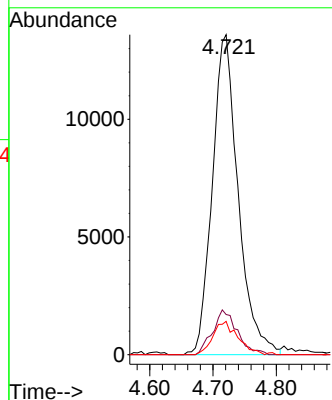
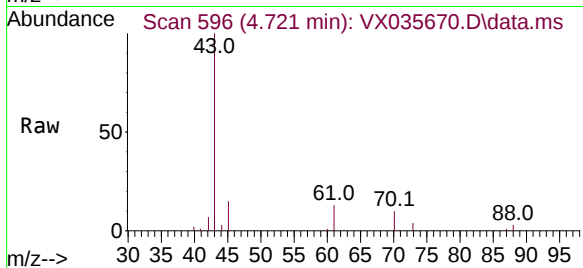
Tgt Ion: 43 Resp: 38578

Ion Ratio Lower Upper

43 100

61 13.3 10.2 15.4

70 10.0 8.2 12.4



#38

Carbon Tetrachloride

Concen: 6.200 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX035670.D

Acq: 15 May 2023 17:09

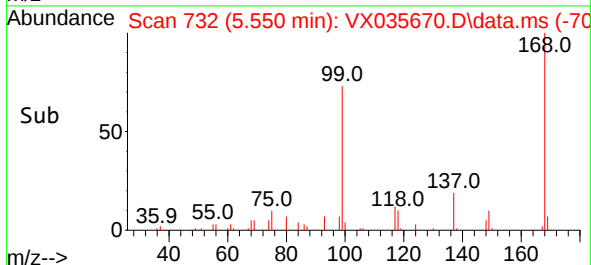
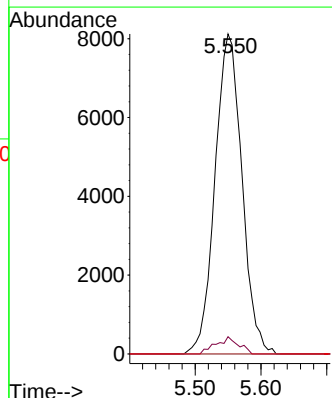
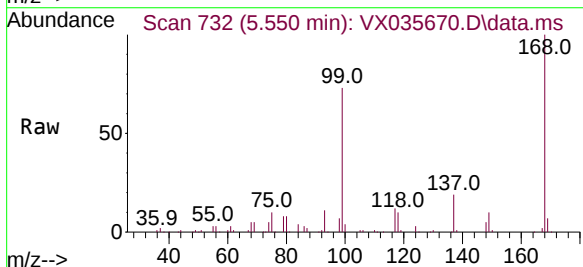
Tgt Ion: 117 Resp: 23104

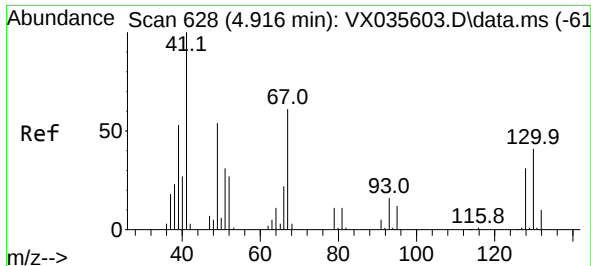
Ion Ratio Lower Upper

117 100

119 5.4 76.6 114.8#

121 0.0 23.8 35.6#

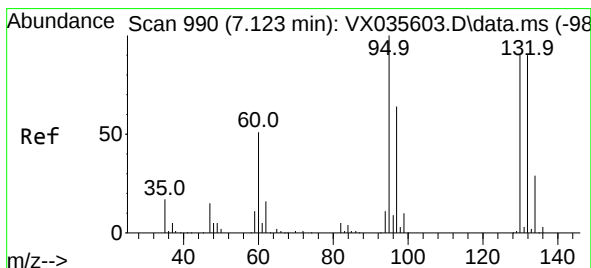
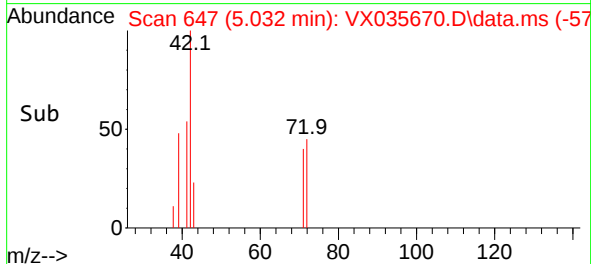
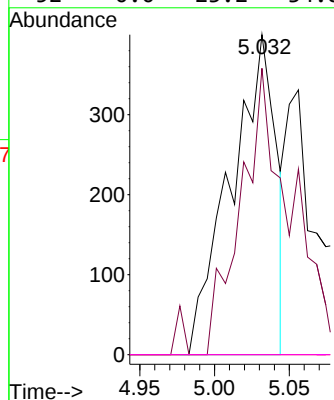
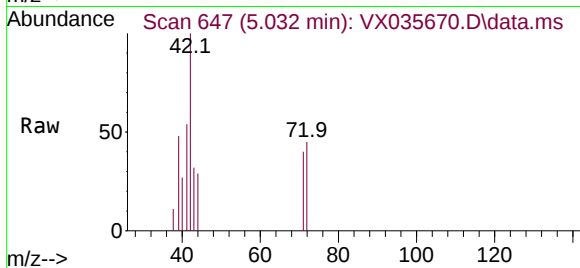




#41
Methacrylonitrile
Concen: 0.346 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.116 min
Lab File: VX035670.D
Acq: 15 May 2023 17:09

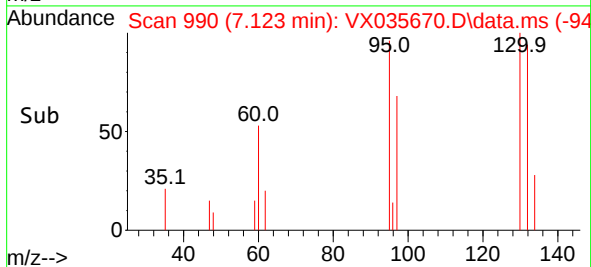
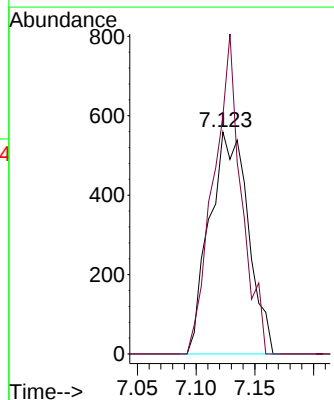
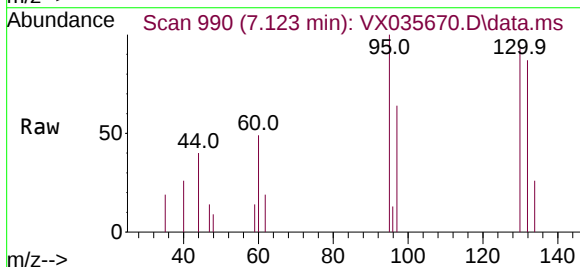
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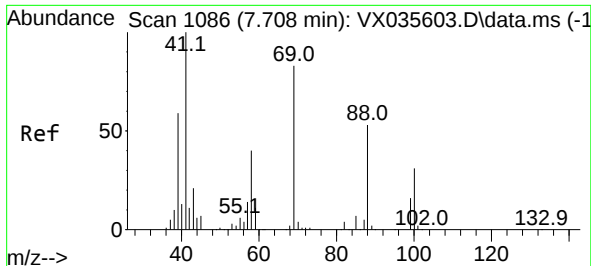
Tgt Ion: 41	Resp:	842
Ion	Ratio	Lower Upper
41	100	
39	98.5	45.0 67.6#
67	0.0	55.6 83.4#
52	0.0	23.2 34.8#



#44
Trichloroethene
Concen: 0.459 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX035670.D
Acq: 15 May 2023 17:09

Tgt Ion: 130	Resp:	1281
Ion	Ratio	Lower Upper
130	100	
95	107.2	0.0 198.4





#49

1,4-Dioxane

Concen: 3.009 ug/l

RT: 7.708 min Scan# 1086

Delta R.T. 0.000 min

Lab File: VX035670.D

Acq: 15 May 2023 17:09

Instrument :

MSVOA_X

ClientSampleId :

FSND-EQB-04-05062023

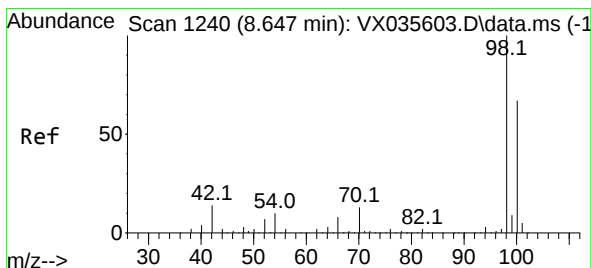
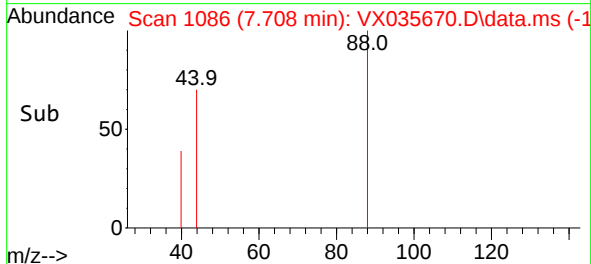
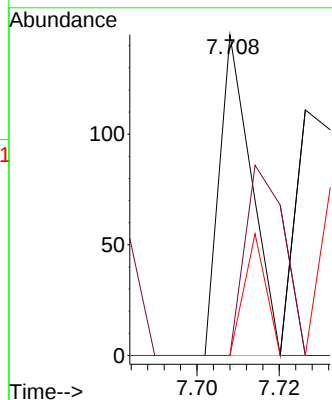
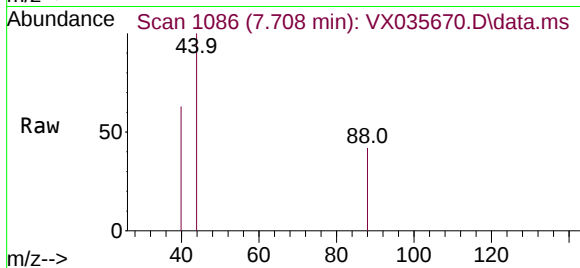
Tgt Ion: 88 Resp: 79

Ion Ratio Lower Upper

88 100

43 70.9 27.7 41.5#

58 0.0 56.8 85.2#



#50

Toluene-d8

Concen: 48.172 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX035670.D

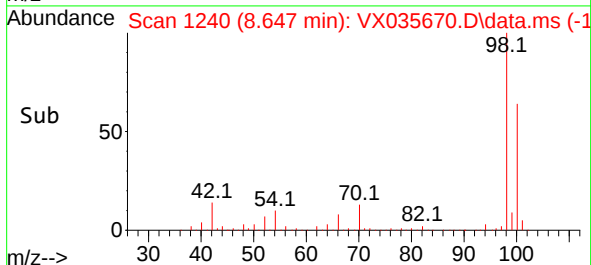
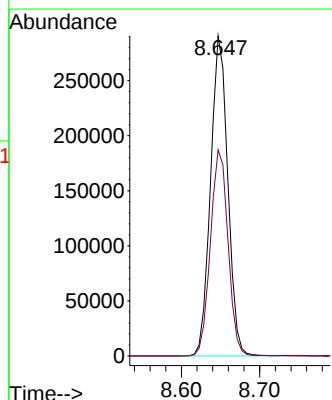
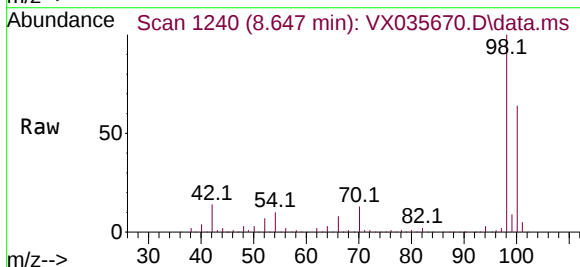
Acq: 15 May 2023 17:09

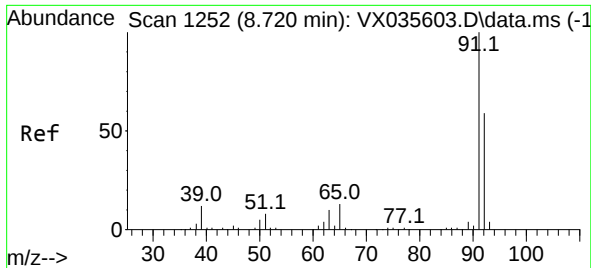
Tgt Ion: 98 Resp: 443508

Ion Ratio Lower Upper

98 100

100 65.9 52.5 78.7





#52

Toluene

Concen: 0.229 ug/l

RT: 8.720 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX035670.D

Acq: 15 May 2023 17:09

Instrument :

MSVOA_X

ClientSampleId :

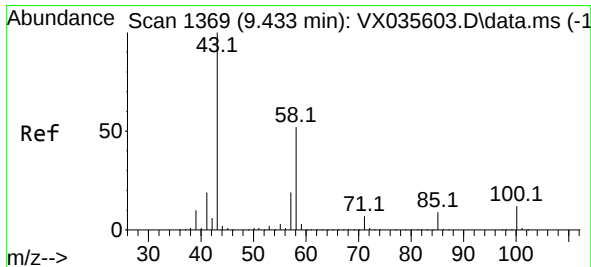
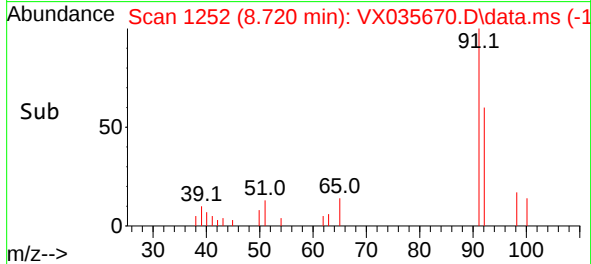
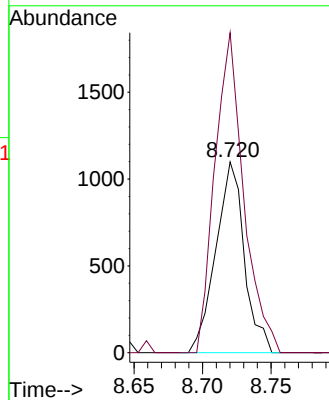
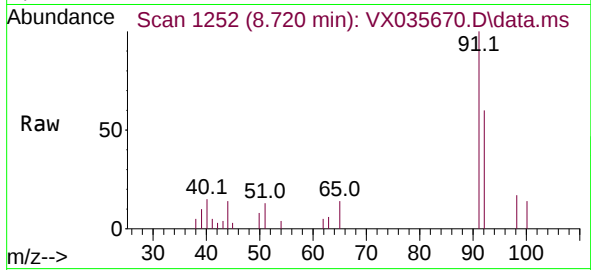
FSND-EQB-04-05062023

Tgt Ion: 92 Resp: 1590

Ion Ratio Lower Upper

92 100

91 169.6 136.8 205.2



#59

2-Hexanone

Concen: 1.738 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.086 min

Lab File: VX035670.D

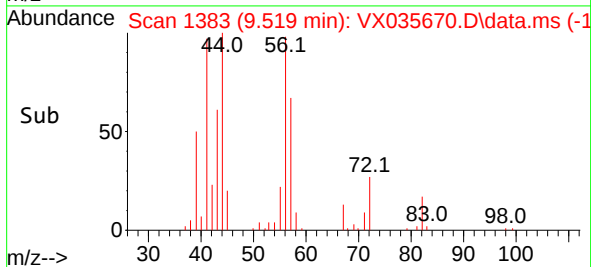
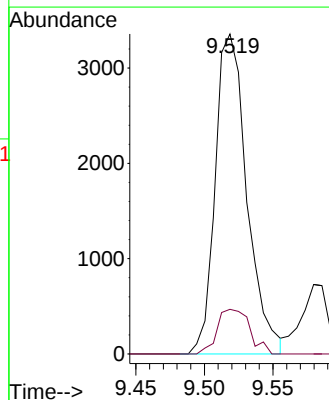
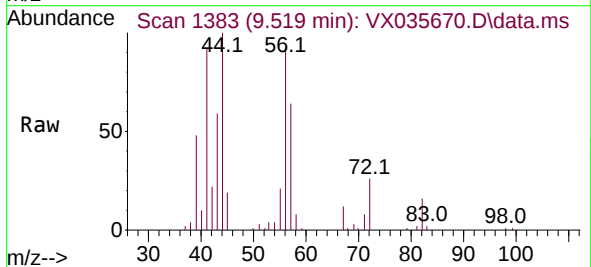
Acq: 15 May 2023 17:09

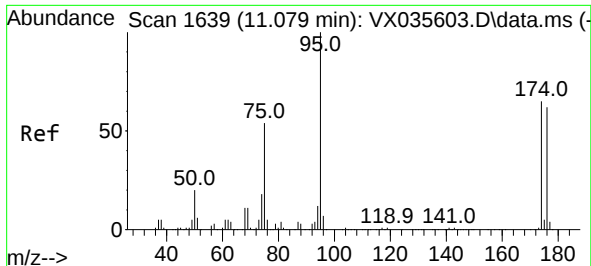
Tgt Ion: 43 Resp: 5395

Ion Ratio Lower Upper

43 100

58 14.4 26.3 78.9#





#62

4-Bromofluorobenzene

Concen: 50.082 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX035670.D

Acq: 15 May 2023 17:09

Instrument :

MSVOA_X

ClientSampleId :

FSND-EQB-04-05062023

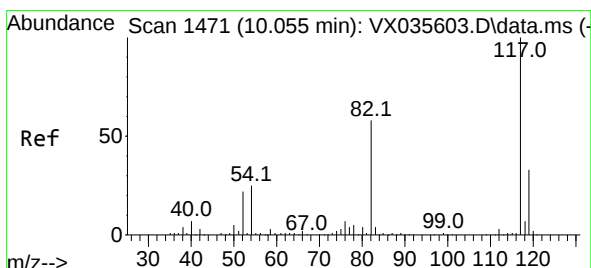
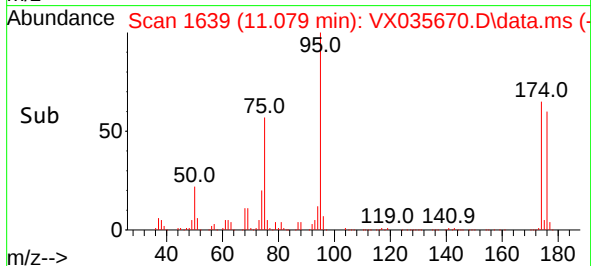
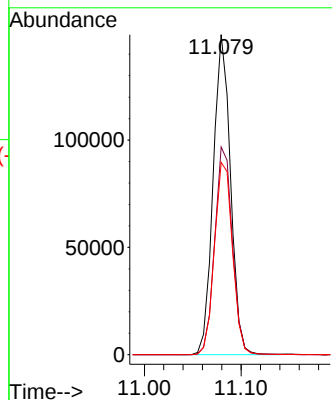
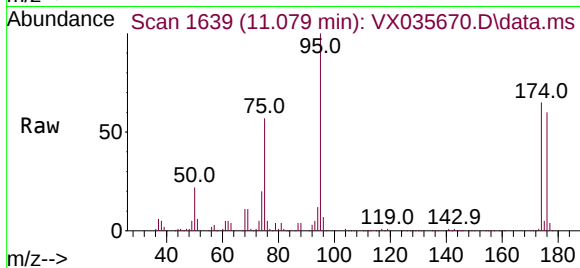
Tgt Ion: 95 Resp: 185658

Ion Ratio Lower Upper

95 100

174 66.3 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: VX035670.D

Acq: 15 May 2023 17:09

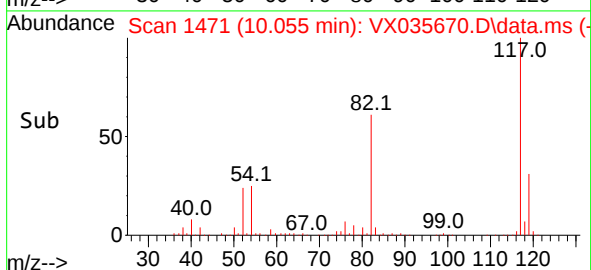
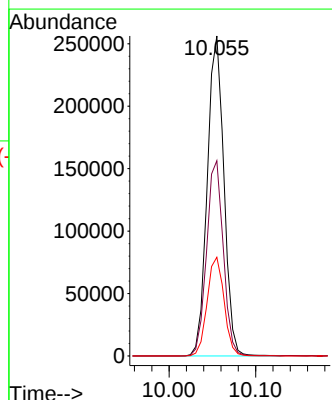
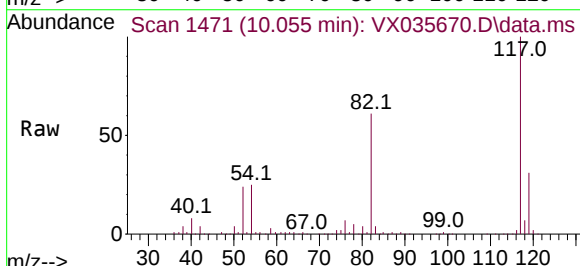
Tgt Ion: 117 Resp: 341959

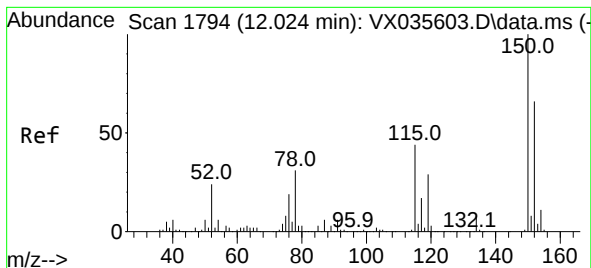
Ion Ratio Lower Upper

117 100

82 61.0 45.0 67.4

119 30.9 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX035670.D

Acq: 15 May 2023 17:09

Instrument :

MSVOA_X

ClientSampleId :

FSND-EQB-04-05062023

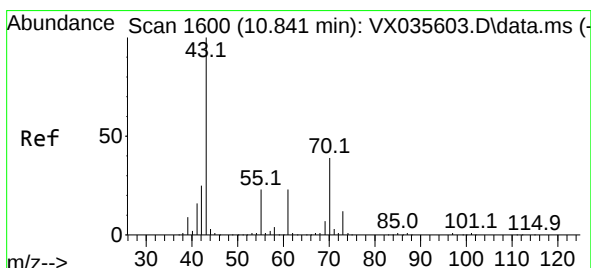
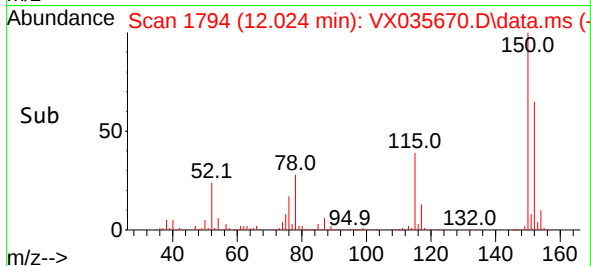
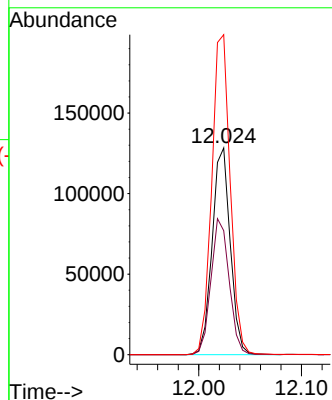
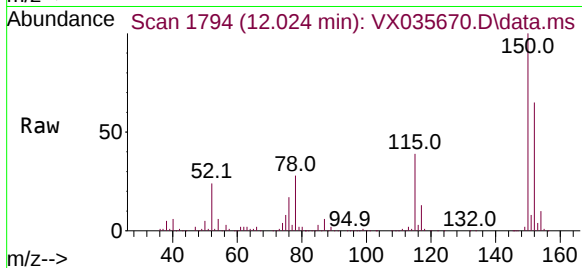
Tgt Ion:152 Resp: 156634

Ion Ratio Lower Upper

152 100

115 66.3 45.0 135.0

150 157.9 0.0 352.4



#74

N-ethyl acetate

Concen: 0.217 ug/l

RT: 10.854 min Scan# 1602

Delta R.T. 0.013 min

Lab File: VX035670.D

Acq: 15 May 2023 17:09

Tgt Ion: 43 Resp: 1335

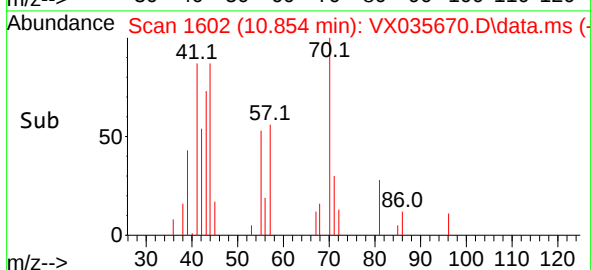
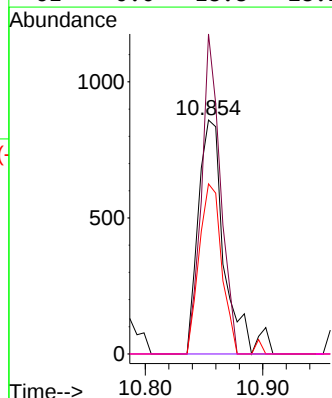
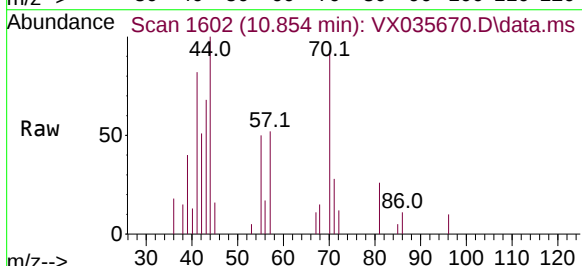
Ion Ratio Lower Upper

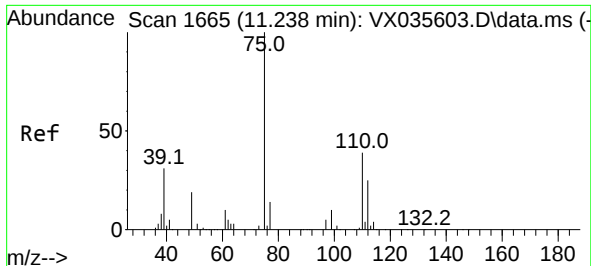
43 100

70 98.6 32.1 48.1#

55 62.4 18.3 27.5#

61 0.0 18.8 28.2#

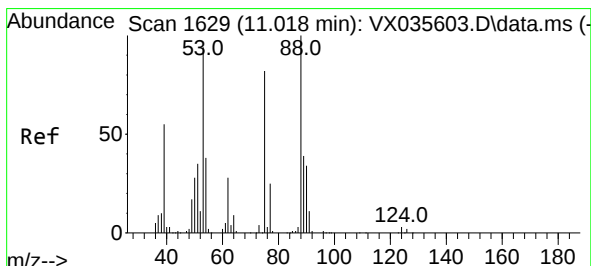
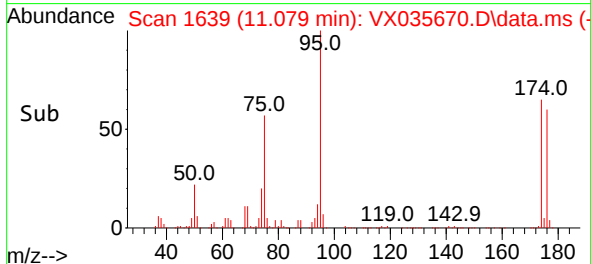
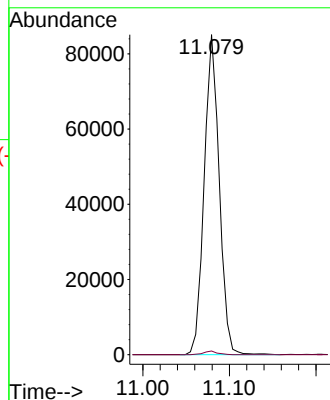
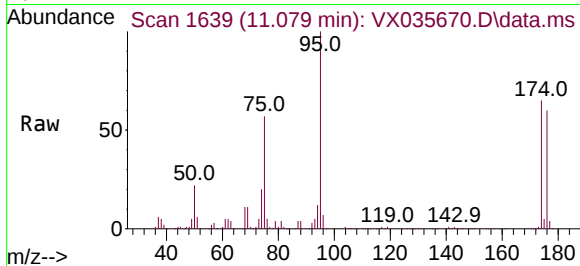




#76
1,2,3-Trichloropropane
Concen: 26.784 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX035670.D
Acq: 15 May 2023 17:09

Instrument :
MSVOA_X
ClientSampleId :
FSND-EQB-04-05062023

Tgt Ion: 75 Resp: 102619
Ion Ratio Lower Upper
75 100
77 1.0 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.322 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX035670.D
Acq: 15 May 2023 17:09

Tgt Ion: 75 Resp: 102619
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#

