

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051523\
 Data File : VX035669.D
 Acq On : 15 May 2023 16:45
 Operator : JC/MD
 Sample : 02751-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-EQB-03-05052023

Quant Time: May 16 05:01:36 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)

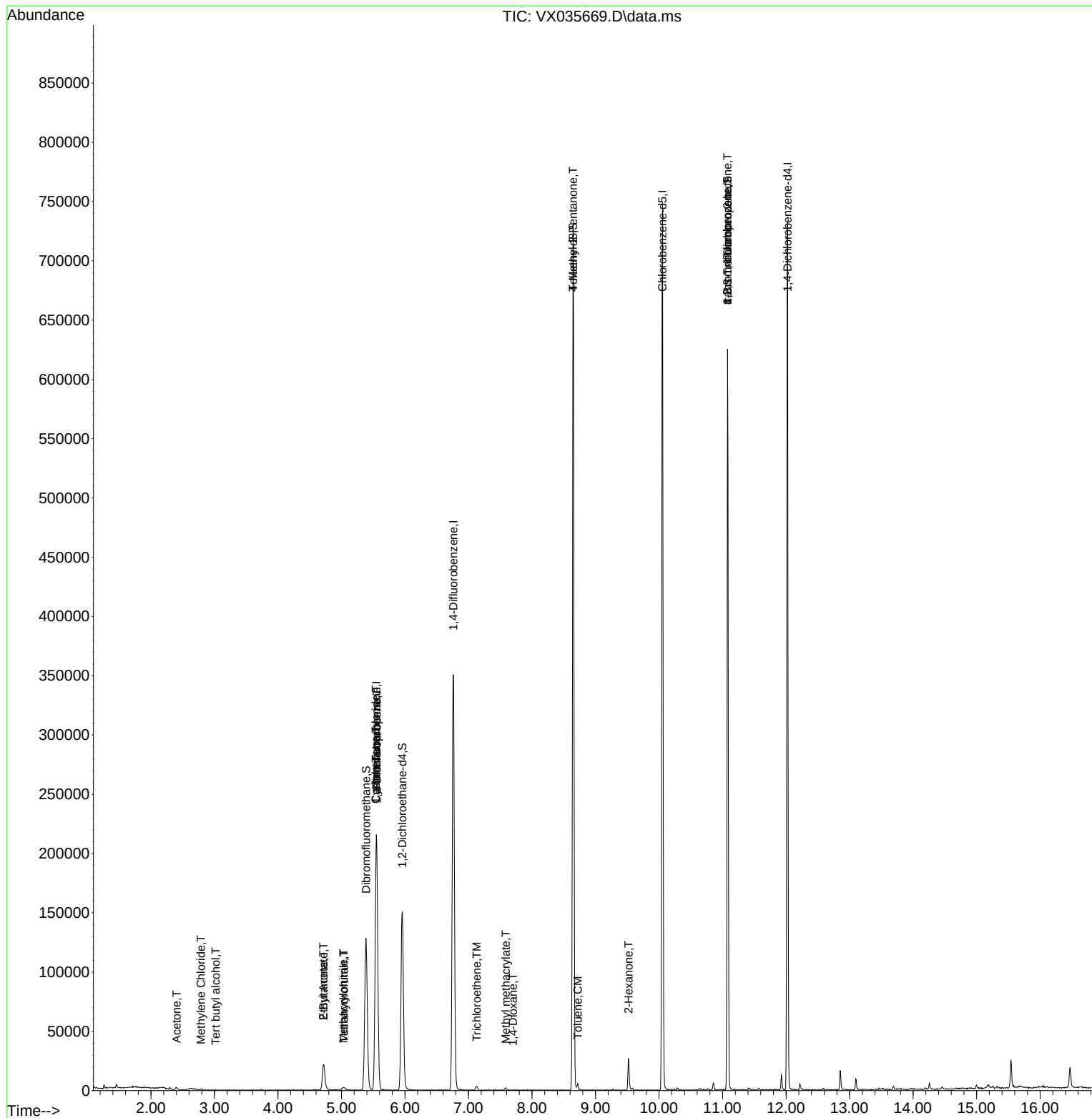
Internal Standards						
1) Pentafluorobenzene	5.550	168	184200	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	341785	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	304899	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	137750	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	154059	47.942	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.880%		
35) Dibromofluoromethane	5.385	113	109699	47.592	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.180%		
50) Toluene-d8	8.647	98	408895	48.019	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.040%		
62) 4-Bromofluorobenzene	11.079	95	166480	48.557	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.120%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	3.020	59	123	0.217	ug/l	# 73
16) Acetone	2.404	43	3316	2.401	ug/l	98
20) Methylene Chloride	2.788	84	515	0.206	ug/l	# 78
25) 2-Butanone	4.715	43	41262	21.582	ug/l	# 51
29) Tetrahydrofuran	5.038	42	2588	2.154	ug/l	# 76
31) Cyclohexane	5.544	56	4932	1.215	ug/l	# 13
36) 1,1-Dichloropropene	5.556	75	17705	4.866	ug/l	# 50
37) Ethyl Acetate	4.715	43	41777	11.009	ug/l	99
38) Carbon Tetrachloride	5.544	117	20932	6.073	ug/l	# 18
41) Methacrylonitrile	5.032	41	1503	0.667	ug/l	# 50
44) Trichloroethene	7.129	130	1335	0.517	ug/l	96
48) Methyl methacrylate	7.586	41	717	0.220	ug/l	# 48
49) 1,4-Dioxane	7.702	88	19	2.263	ug/l	# 23
51) 4-Methyl-2-Pentanone	8.647	43	2221	0.583	ug/l	# 1
52) Toluene	8.720	92	1596	0.248	ug/l	95
59) 2-Hexanone	9.519	43	4026	1.402	ug/l	# 49
76) 1,2,3-Trichloropropane	11.079	75	91750	27.230	ug/l	# 34
81) trans-1,4-Dichloro-2-b...	11.079	75	91750	87.759	ug/l	# 8

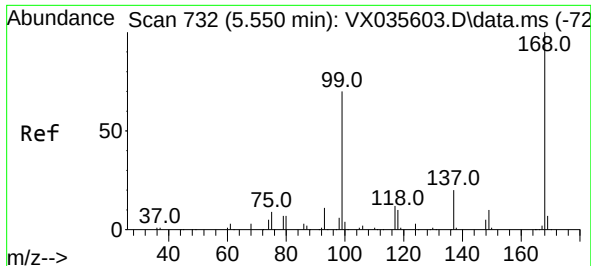
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 16 05:01:36 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

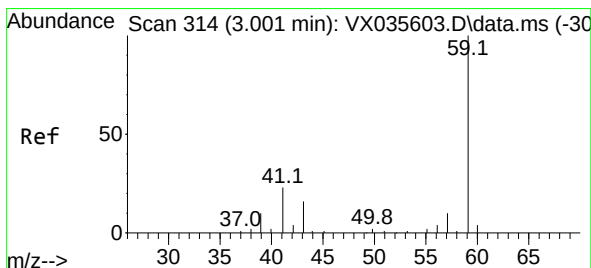
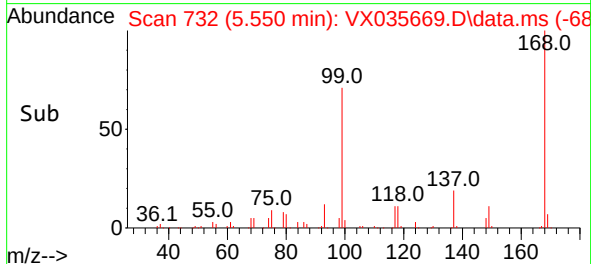
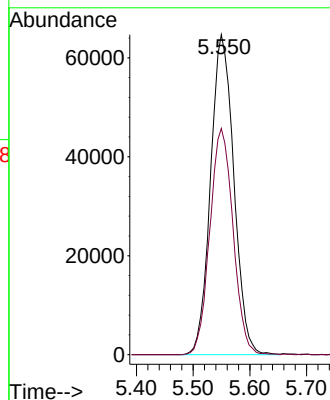
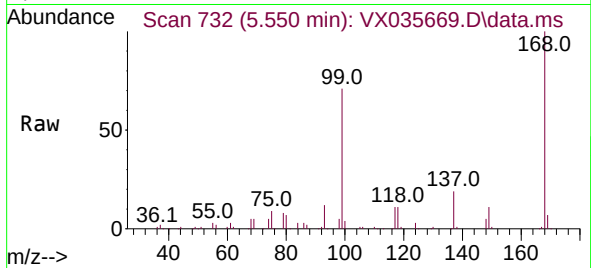




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX035669.D
Acq: 15 May 2023 16:45

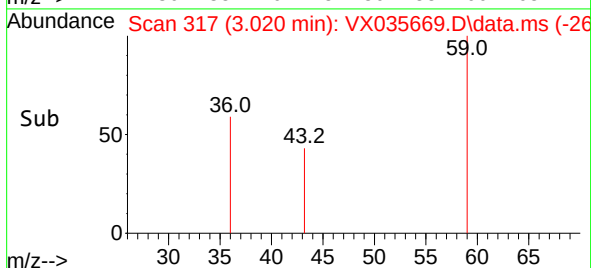
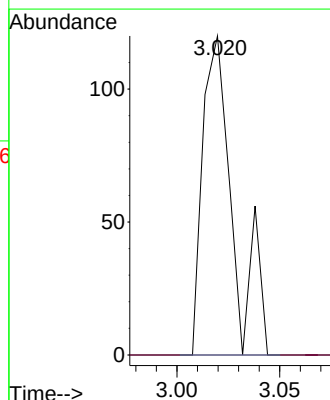
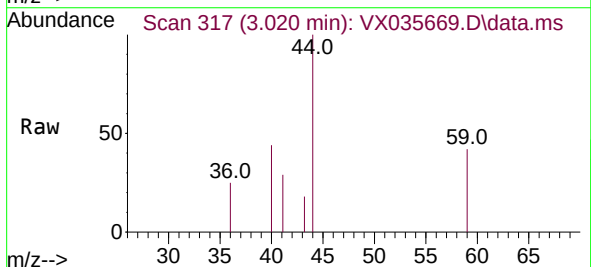
Instrument :
MSVOA_X
ClientSampleId :
FSND-EQB-03-05052023

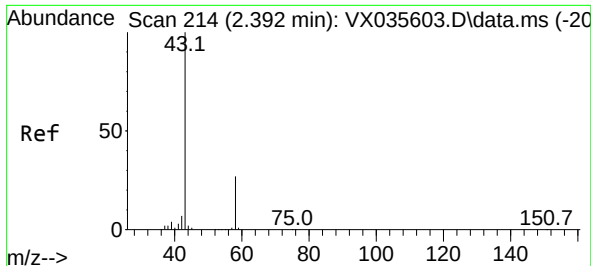
Tgt Ion:168 Resp: 184200
Ion Ratio Lower Upper
168 100
99 70.7 45.7 68.5#



#11
Tert butyl alcohol
Concen: 0.217 ug/l
RT: 3.020 min Scan# 317
Delta R.T. 0.019 min
Lab File: VX035669.D
Acq: 15 May 2023 16:45

Tgt Ion: 59 Resp: 123
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#16

Acetone

Concen: 2.401 ug/l

RT: 2.404 min Scan# 216

Delta R.T. 0.012 min

Lab File: VX035669.D

Acq: 15 May 2023 16:45

Instrument :

MSVOA_X

ClientSampleId :

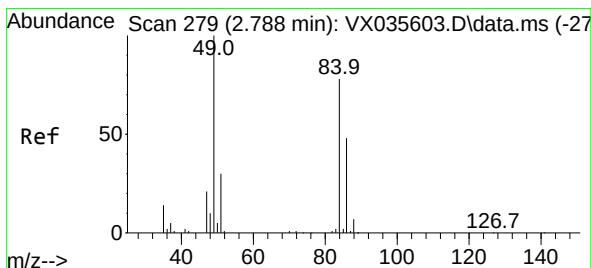
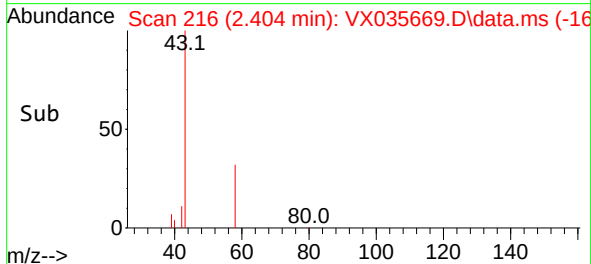
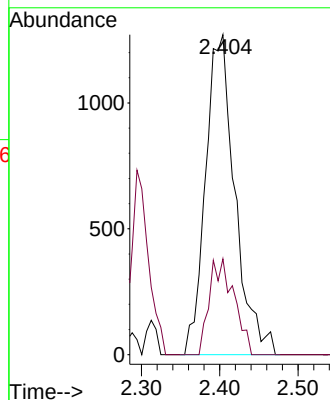
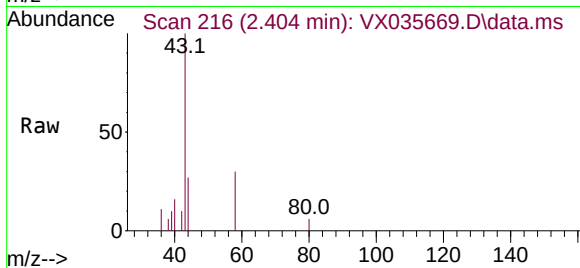
FSND-EQB-03-05052023

Tgt Ion: 43 Resp: 3316

Ion Ratio Lower Upper

43 100

58 30.0 24.7 37.1



#20

Methylene Chloride

Concen: 0.206 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX035669.D

Acq: 15 May 2023 16:45

Tgt Ion: 84 Resp: 515

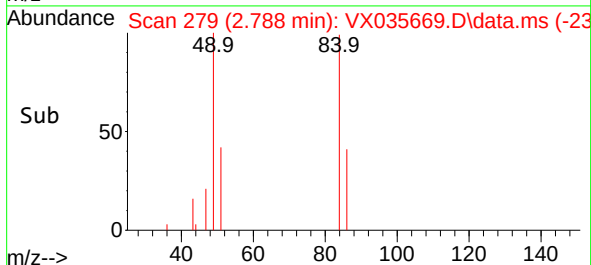
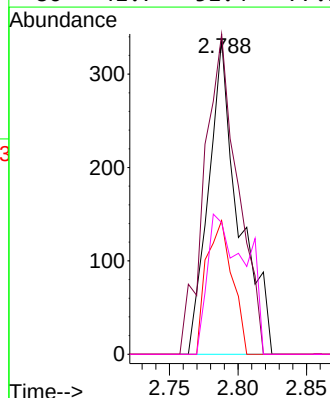
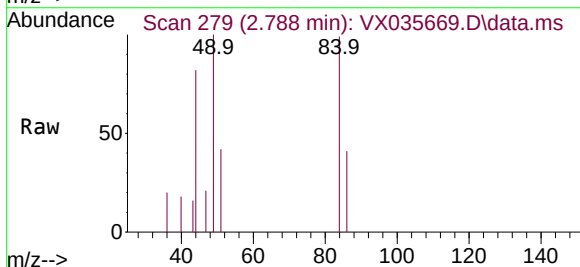
Ion Ratio Lower Upper

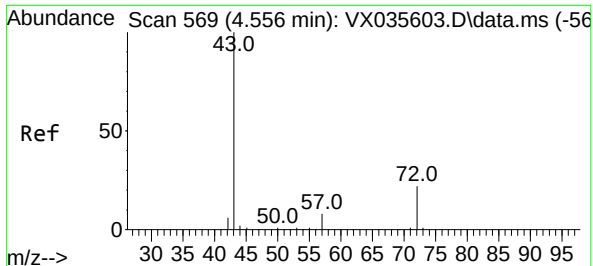
84 100

49 101.5 103.8 155.8#

51 42.3 31.8 47.8

86 41.7 51.4 77.2#

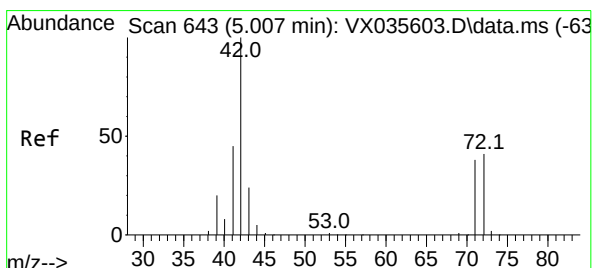
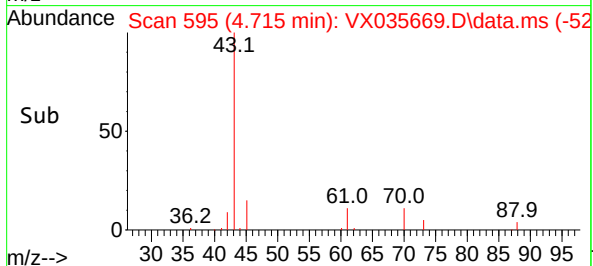
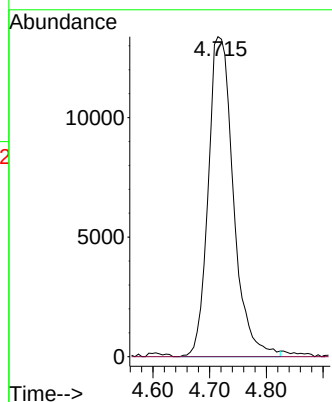
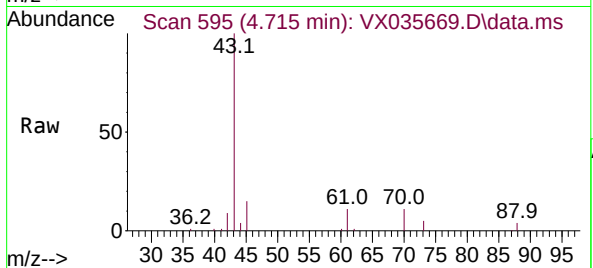




#25
2-Butanone
Concen: 21.582 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.159 min
Lab File: VX035669.D
Acq: 15 May 2023 16:45

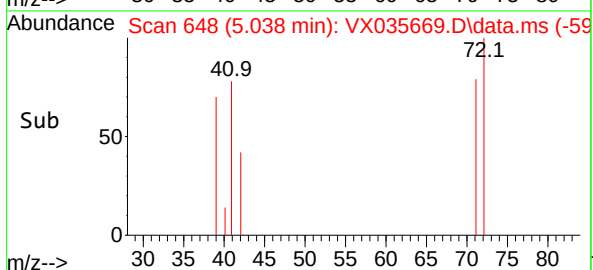
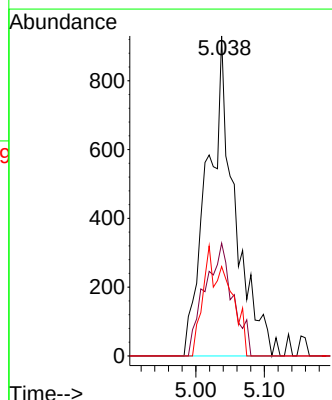
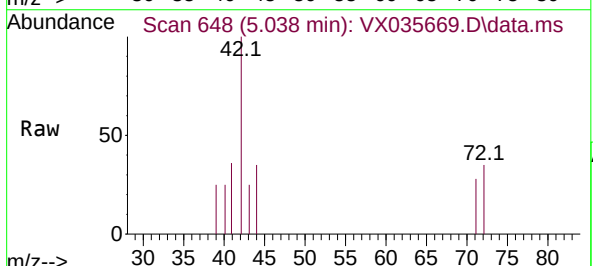
Instrument :
MSVOA_X
ClientSampleId :
FSND-EQB-03-05052023

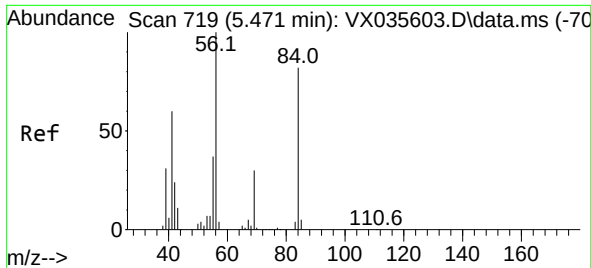
Tgt Ion: 43 Resp: 41262
Ion Ratio Lower Upper
43 100
72 0.0 19.3 28.9#



#29
Tetrahydrofuran
Concen: 2.154 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.031 min
Lab File: VX035669.D
Acq: 15 May 2023 16:45

Tgt Ion: 42 Resp: 2588
Ion Ratio Lower Upper
42 100
72 35.8 34.5 51.7
71 16.7 32.1 48.1#

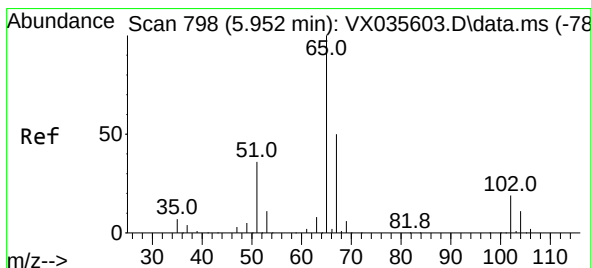
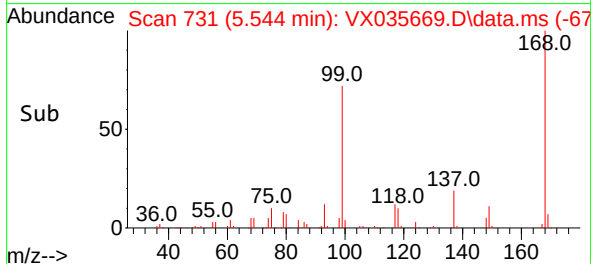
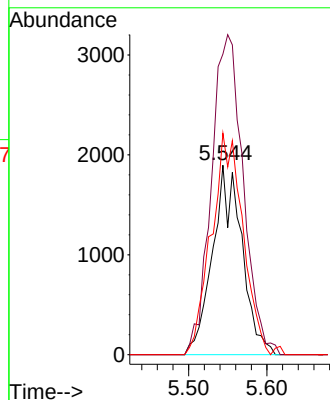
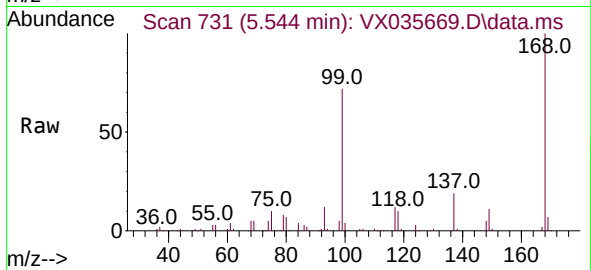




#31
Cyclohexane
Concen: 1.215 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX035669.D
Acq: 15 May 2023 16:45

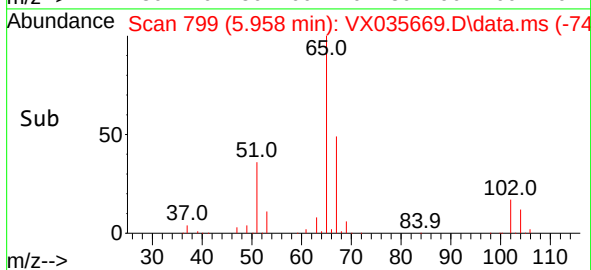
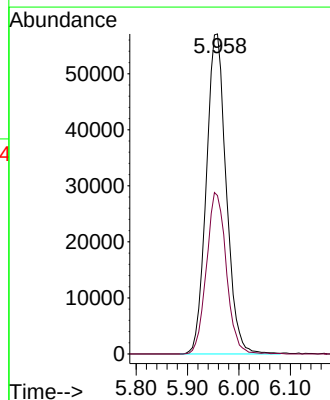
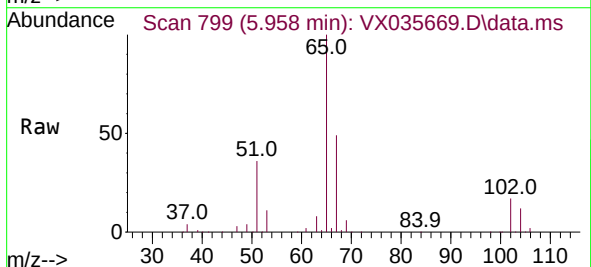
Instrument :
MSVOA_X
ClientSampleId :
FSND-EQB-03-05052023

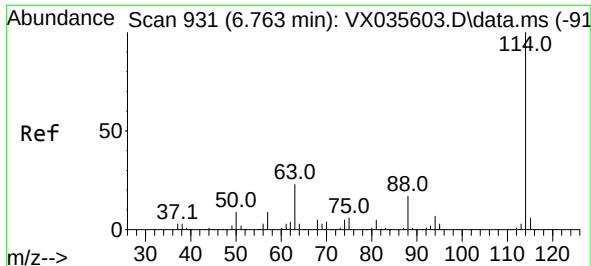
Tgt Ion: 56 Resp: 4932
Ion Ratio Lower Upper
56 100
69 158.8 23.7 35.5#
84 116.9 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 47.942 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX035669.D
Acq: 15 May 2023 16:45

Tgt Ion: 65 Resp: 154059
Ion Ratio Lower Upper
65 100
67 50.2 0.0 104.0

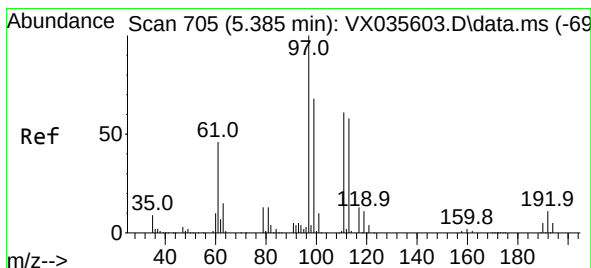
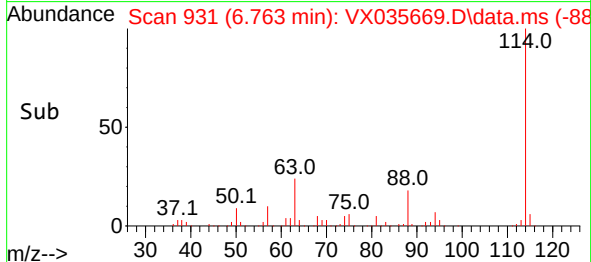
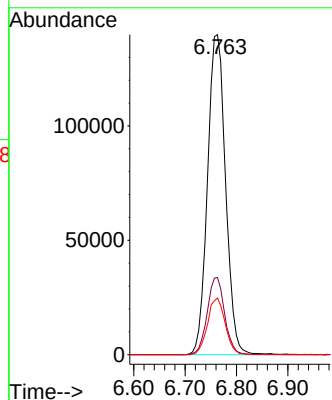
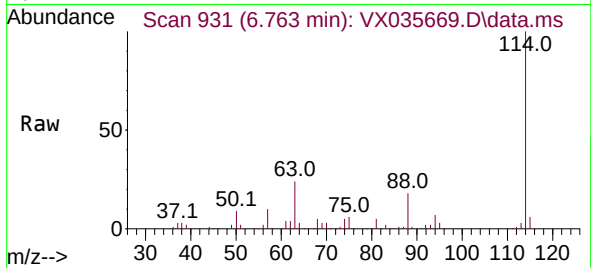




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX035669.D
Acq: 15 May 2023 16:45

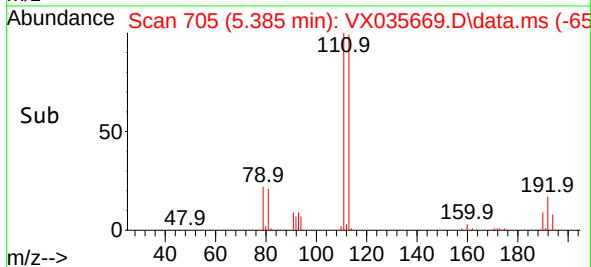
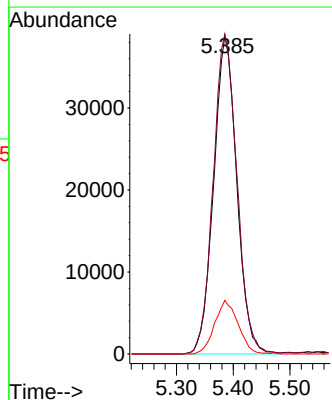
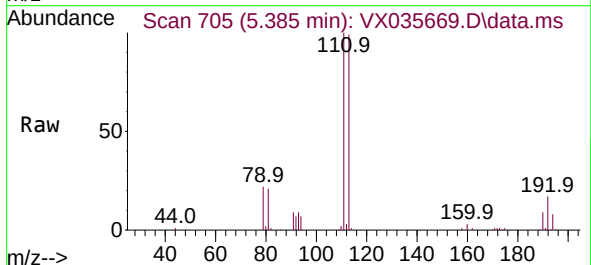
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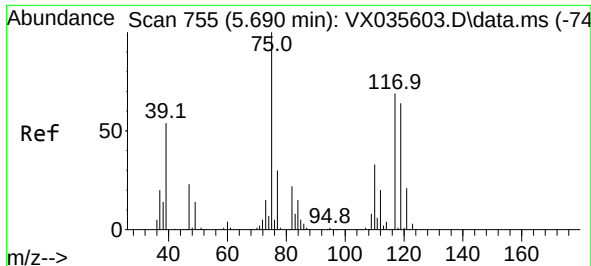
Tgt Ion:114 Resp: 341785
Ion Ratio Lower Upper
114 100
63 24.1 0.0 42.2
88 17.7 0.0 33.2



#35
Dibromofluoromethane
Concen: 47.592 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035669.D
Acq: 15 May 2023 16:45

Tgt Ion:113 Resp: 109699
Ion Ratio Lower Upper
113 100
111 103.2 83.7 125.5
192 17.1 15.4 23.2

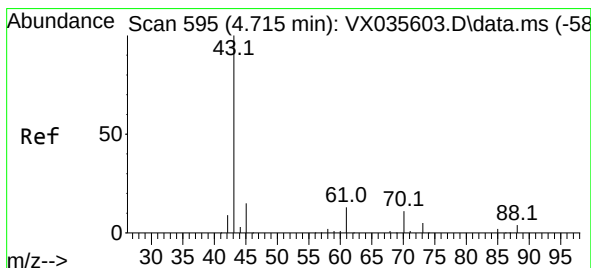
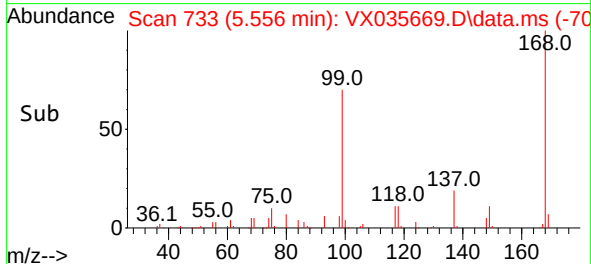
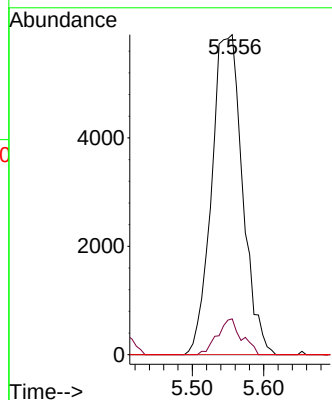
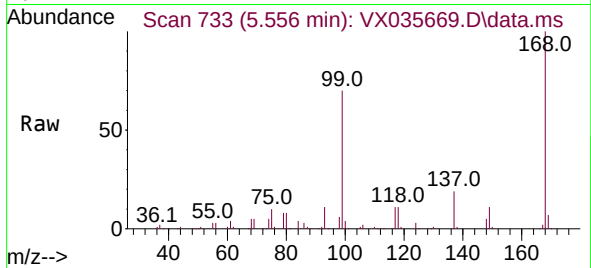




#36
1,1-Dichloropropene
Concen: 4.866 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX035669.D
Acq: 15 May 2023 16:45

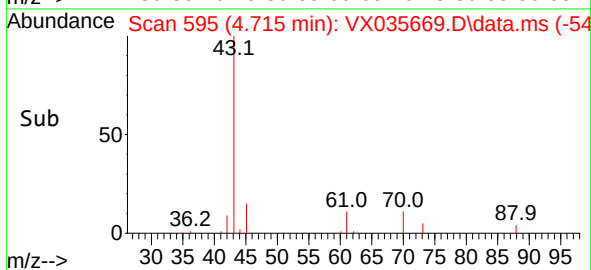
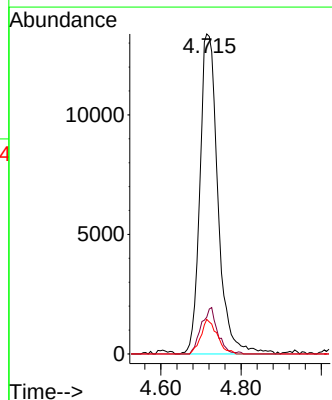
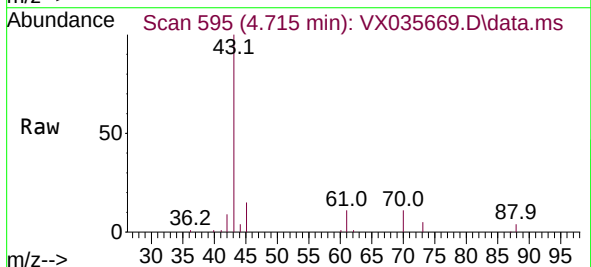
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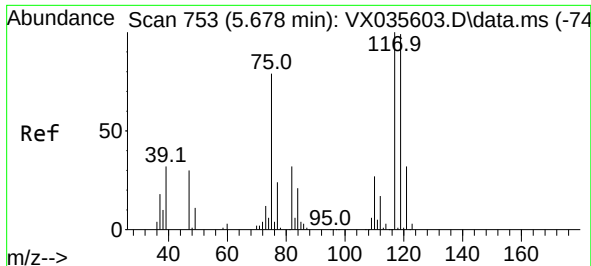
Tgt Ion: 75 Resp: 17705
Ion Ratio Lower Upper
75 100
110 8.7 17.5 52.5#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 11.009 ug/l
RT: 4.715 min Scan# 595
Delta R.T. -0.000 min
Lab File: VX035669.D
Acq: 15 May 2023 16:45

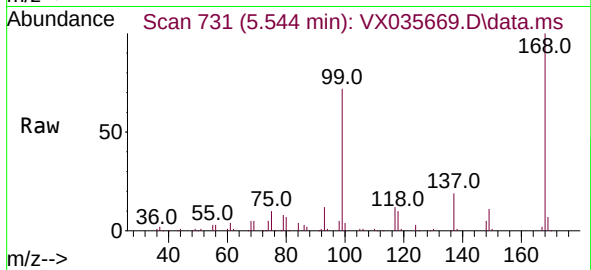
Tgt Ion: 43 Resp: 41777
Ion Ratio Lower Upper
43 100
61 13.0 10.2 15.4
70 9.7 8.2 12.4



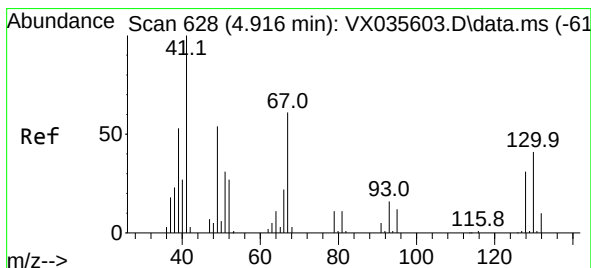
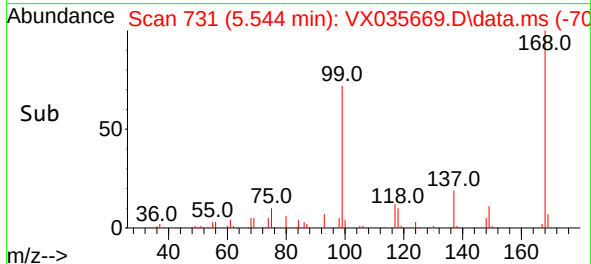
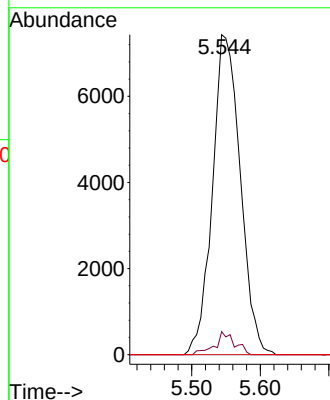


#38
Carbon Tetrachloride
Concen: 6.073 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX035669.D
Acq: 15 May 2023 16:45

Instrument :
MSVOA_X
ClientSampleId :
FSND-EQB-03-05052023

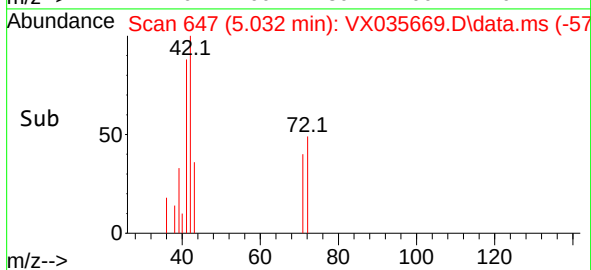
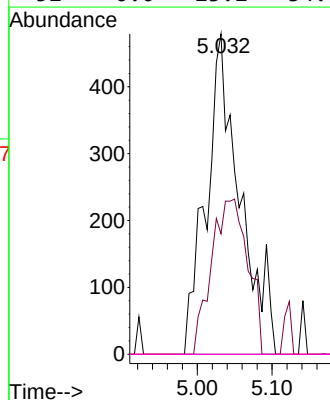
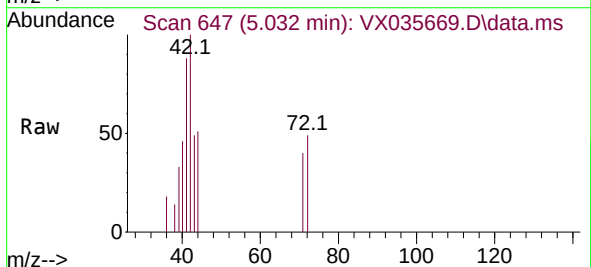


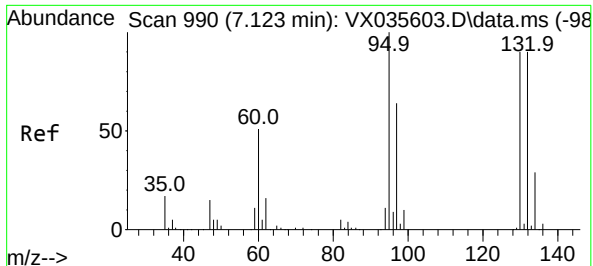
Tgt Ion:117 Resp: 20932
Ion Ratio Lower Upper
117 100
119 7.2 76.6 114.8#
121 0.0 23.8 35.6#



#41
Methacrylonitrile
Concen: 0.667 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.116 min
Lab File: VX035669.D
Acq: 15 May 2023 16:45

Tgt Ion: 41 Resp: 1503
Ion Ratio Lower Upper
41 100
39 52.4 45.0 67.6
67 0.0 55.6 83.4#
52 0.0 23.2 34.8#

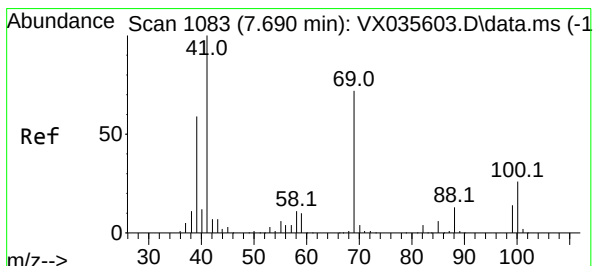
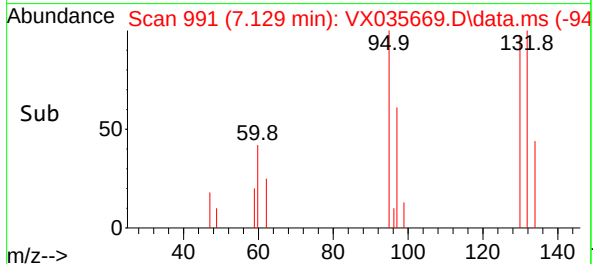
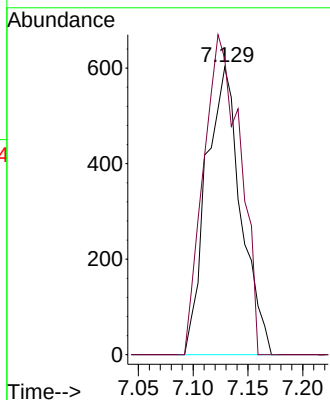
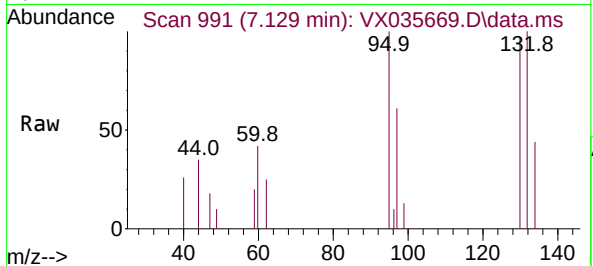




#44
Trichloroethene
Concen: 0.517 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX035669.D
Acq: 15 May 2023 16:45

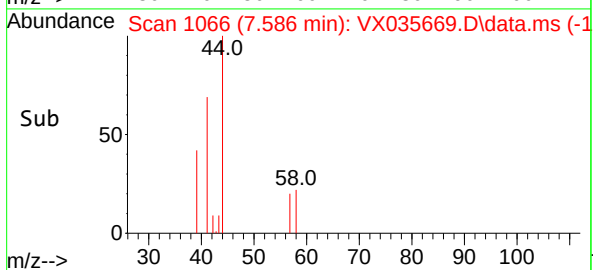
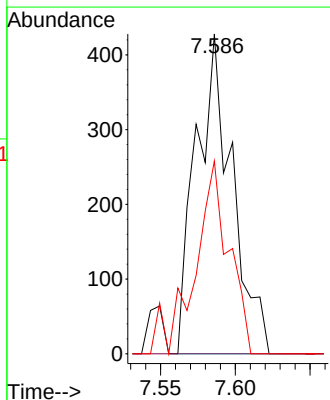
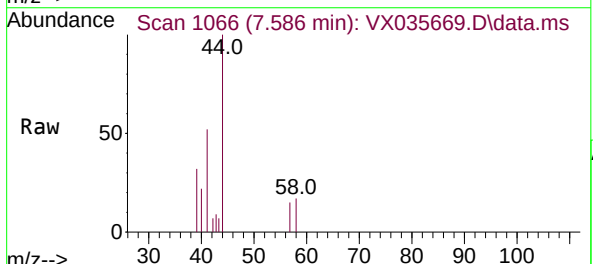
Instrument :
MSVOA_X
ClientSampleId :
FSND-EQB-03-05052023

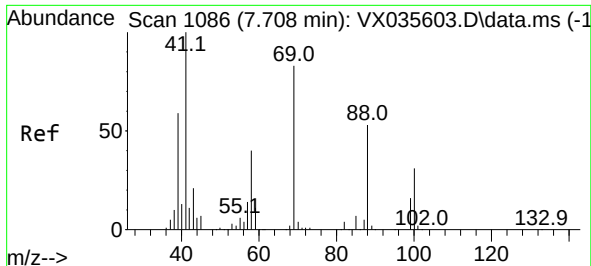
Tgt Ion:130 Resp: 1335
Ion Ratio Lower Upper
130 100
95 102.8 0.0 198.4



#48
Methyl methacrylate
Concen: 0.220 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. -0.104 min
Lab File: VX035669.D
Acq: 15 May 2023 16:45

Tgt Ion: 41 Resp: 717
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.4#
39 57.3 47.7 71.5





#49

1,4-Dioxane

Concen: 2.263 ug/l

RT: 7.702 min Scan# 1086

Delta R.T. -0.006 min

Lab File: VX035669.D

Acq: 15 May 2023 16:45

Instrument :

MSVOA_X

ClientSampleId :

FSND-EQB-03-05052023

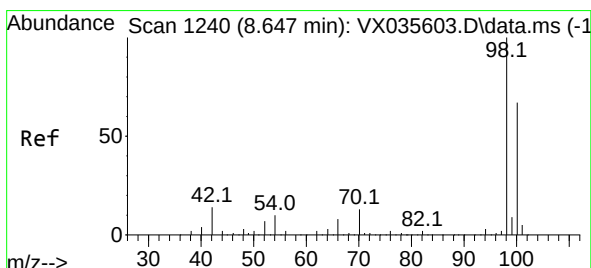
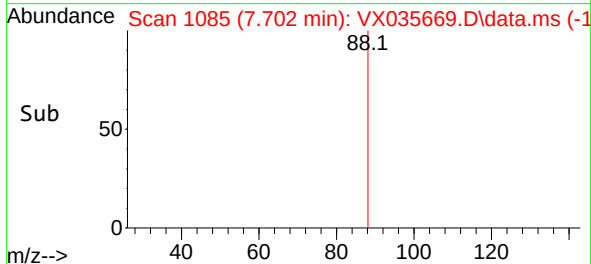
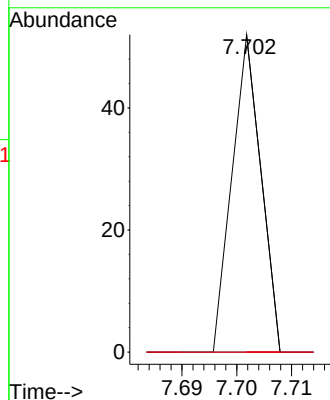
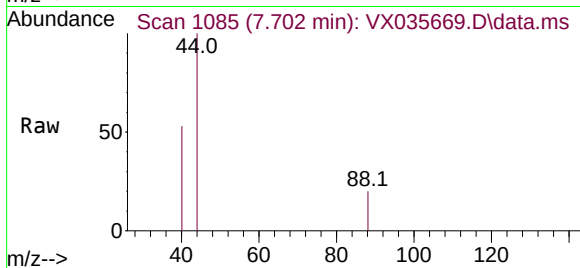
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 27.7 41.5#

58 0.0 56.8 85.2#



#50

Toluene-d8

Concen: 48.019 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX035669.D

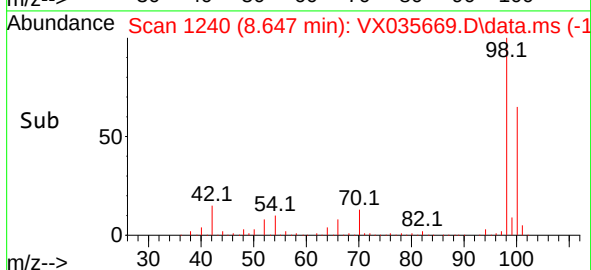
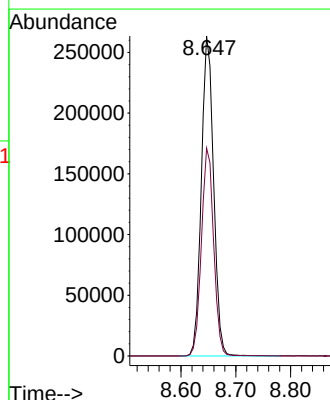
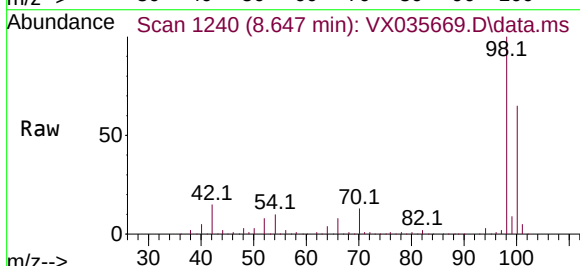
Acq: 15 May 2023 16:45

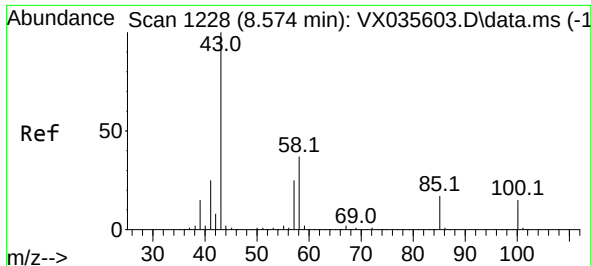
Tgt Ion: 98 Resp: 408895

Ion Ratio Lower Upper

98 100

100 65.1 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 0.583 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX035669.D

Acq: 15 May 2023 16:45

Instrument :

MSVOA_X

ClientSampleId :

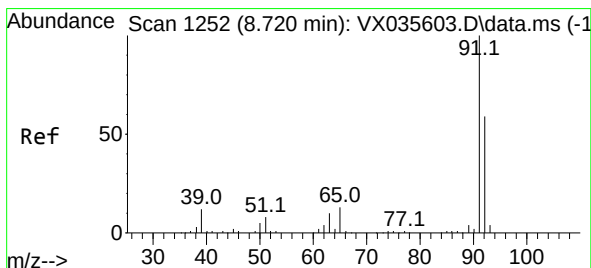
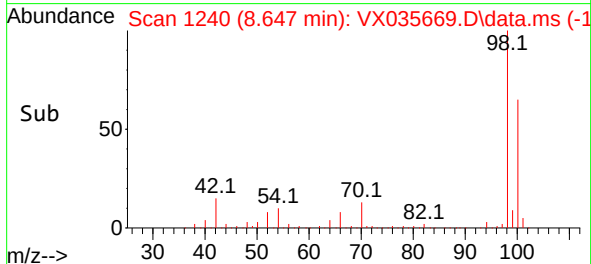
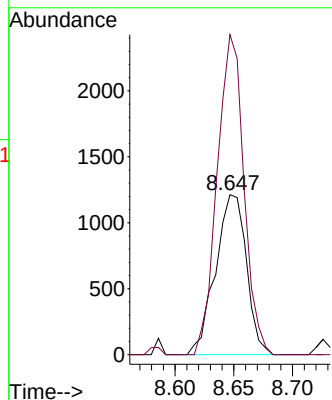
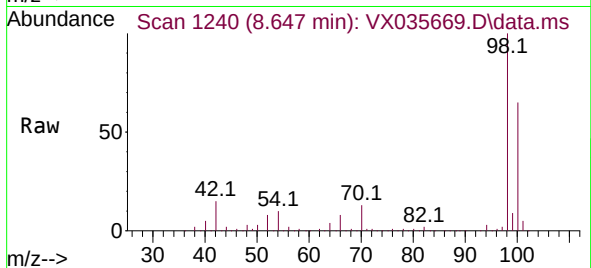
FSND-EQB-03-05052023

Tgt Ion: 43 Resp: 2221

Ion Ratio Lower Upper

43 100

58 173.1 30.6 46.0#



#52

Toluene

Concen: 0.248 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX035669.D

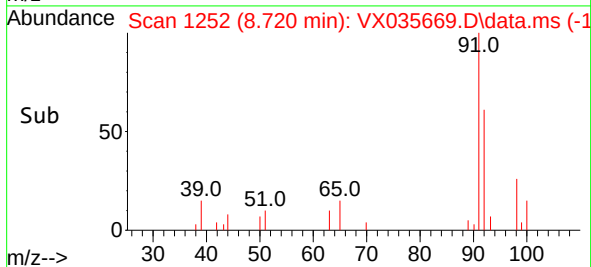
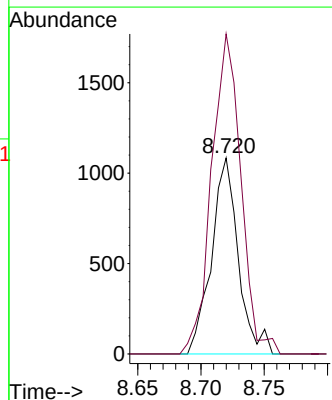
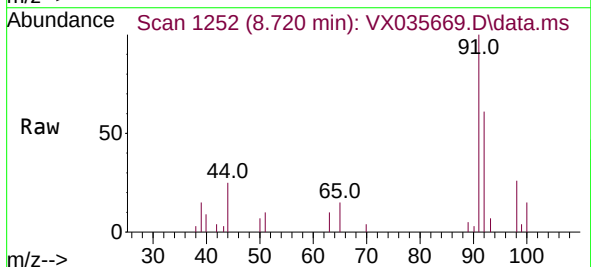
Acq: 15 May 2023 16:45

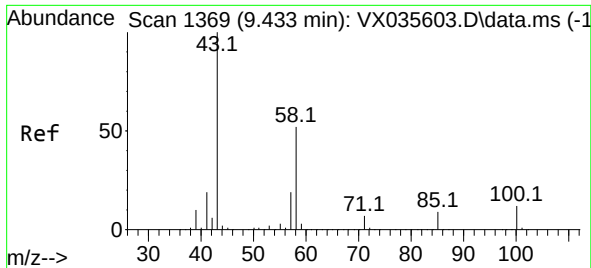
Tgt Ion: 92 Resp: 1596

Ion Ratio Lower Upper

92 100

91 178.3 136.8 205.2

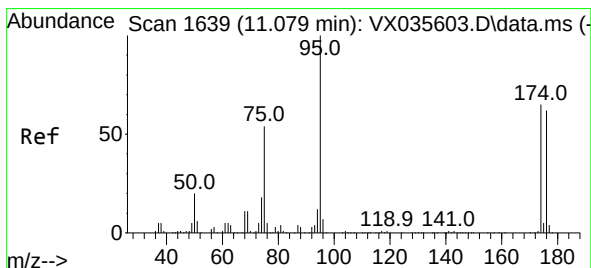
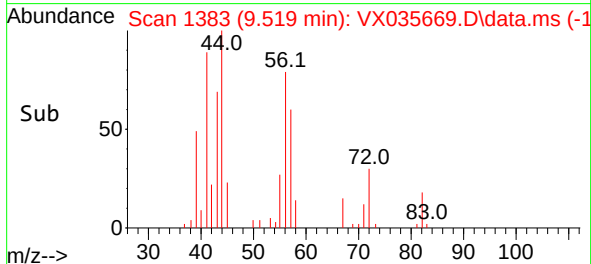
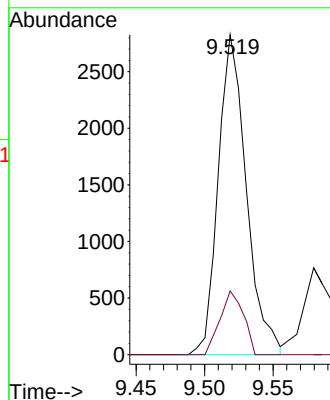
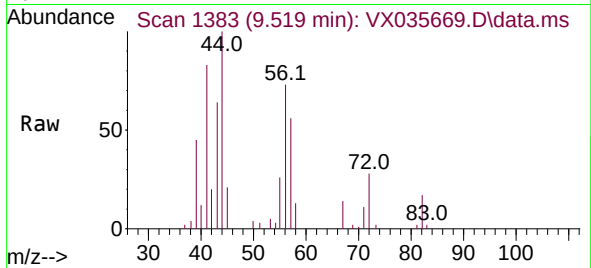




#59
2-Hexanone
Concen: 1.402 ug/l
RT: 9.519 min Scan# 11
Delta R.T. 0.086 min
Lab File: VX035669.D
Acq: 15 May 2023 16:45

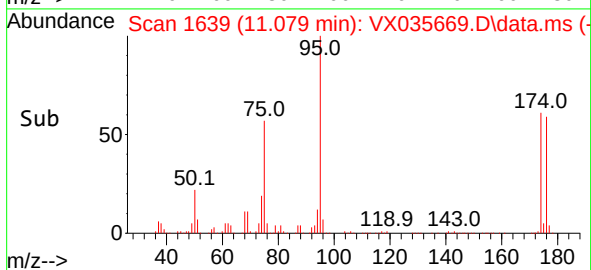
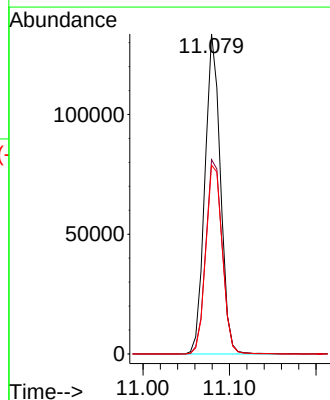
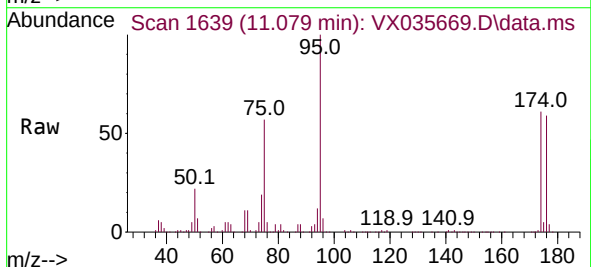
Instrument :
MSVOA_X
ClientSampleId :
FSND-EQB-03-05052023

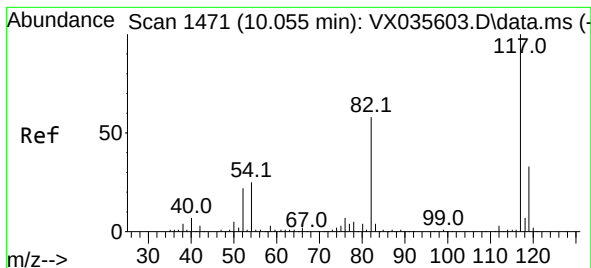
Tgt Ion: 43 Resp: 4026
Ion Ratio Lower Upper
43 100
58 16.6 26.3 78.9#



#62
4-Bromofluorobenzene
Concen: 48.557 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035669.D
Acq: 15 May 2023 16:45

Tgt Ion: 95 Resp: 166480
Ion Ratio Lower Upper
95 100
174 64.0 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: VX035669.D

Acq: 15 May 2023 16:45

Instrument :

MSVOA_X

ClientSampleId :

FSND-EQB-03-05052023

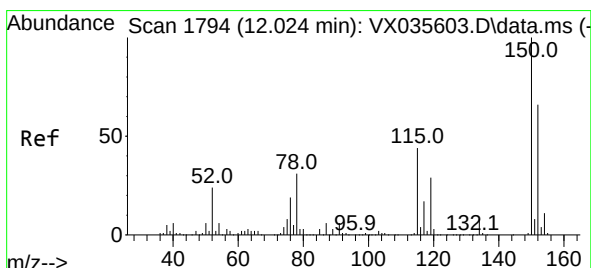
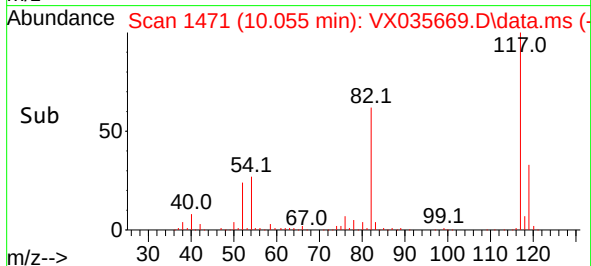
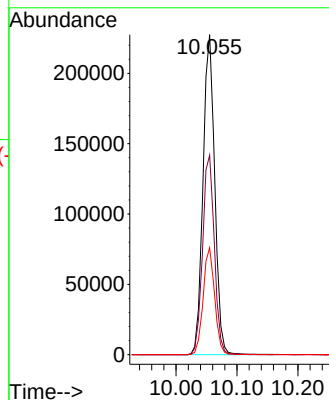
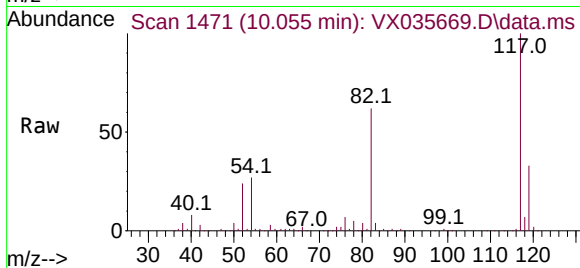
Tgt Ion:117 Resp: 304899

Ion Ratio Lower Upper

117 100

82 62.3 45.0 67.4

119 33.4 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: VX035669.D

Acq: 15 May 2023 16:45

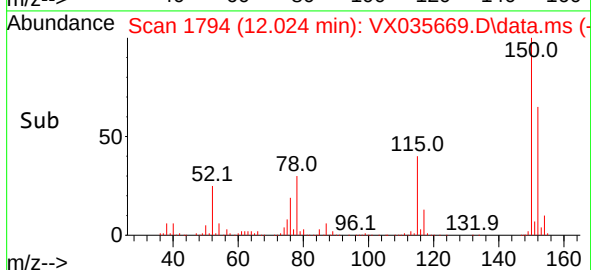
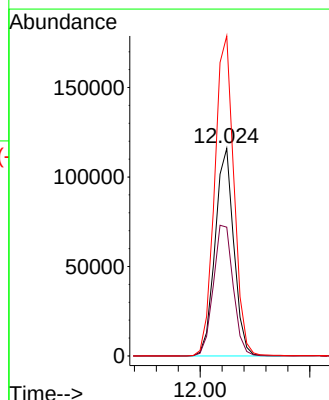
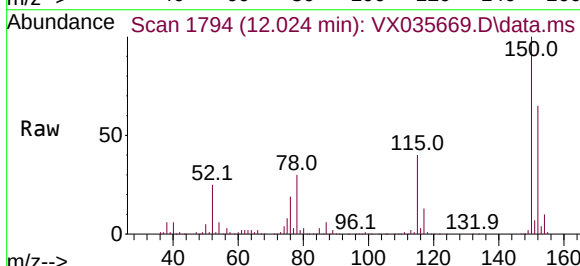
Tgt Ion:152 Resp: 137750

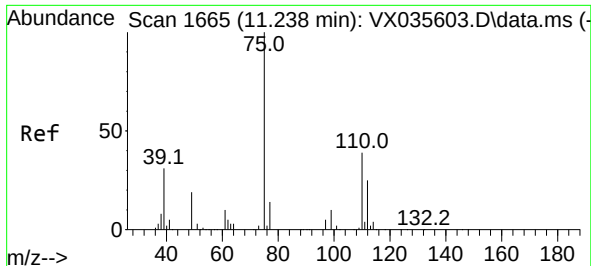
Ion Ratio Lower Upper

152 100

115 66.6 45.0 135.0

150 158.8 0.0 352.4

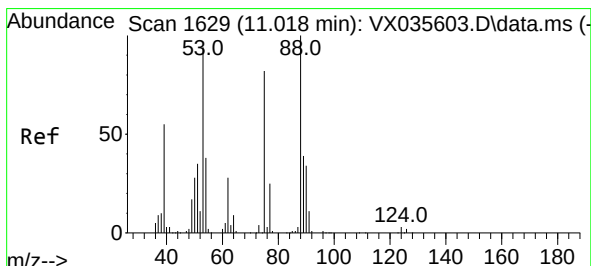
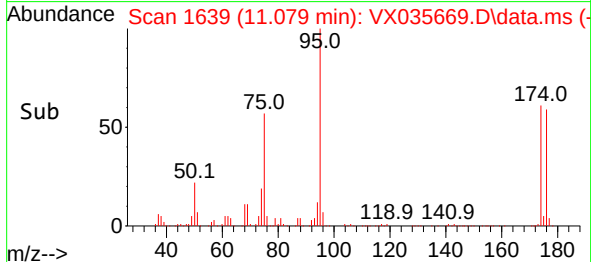
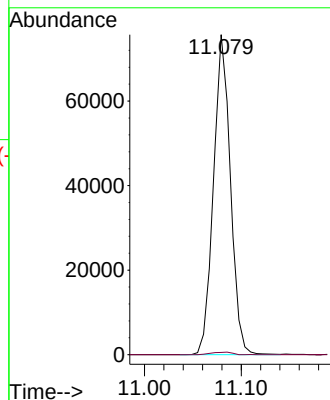
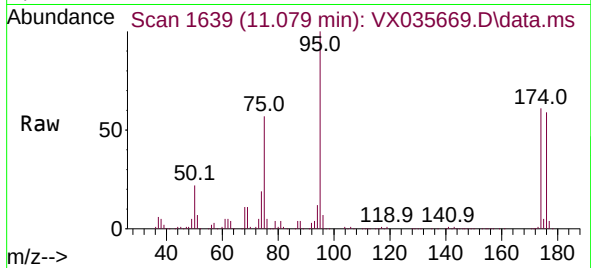




#76
1,2,3-Trichloropropane
Concen: 27.230 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX035669.D
Acq: 15 May 2023 16:45

Instrument :
MSVOA_X
ClientSampleId :
FSND-EQB-03-05052023

Tgt Ion: 75 Resp: 91750
Ion Ratio Lower Upper
75 100
77 1.0 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.759 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX035669.D
Acq: 15 May 2023 16:45

Tgt Ion: 75 Resp: 91750
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#

