

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051523\
 Data File : VX035674.D
 Acq On : 15 May 2023 18:42
 Operator : JC/MD
 Sample : 02643-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-IDW-S-05042023

Quant Time: May 16 05:03:34 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

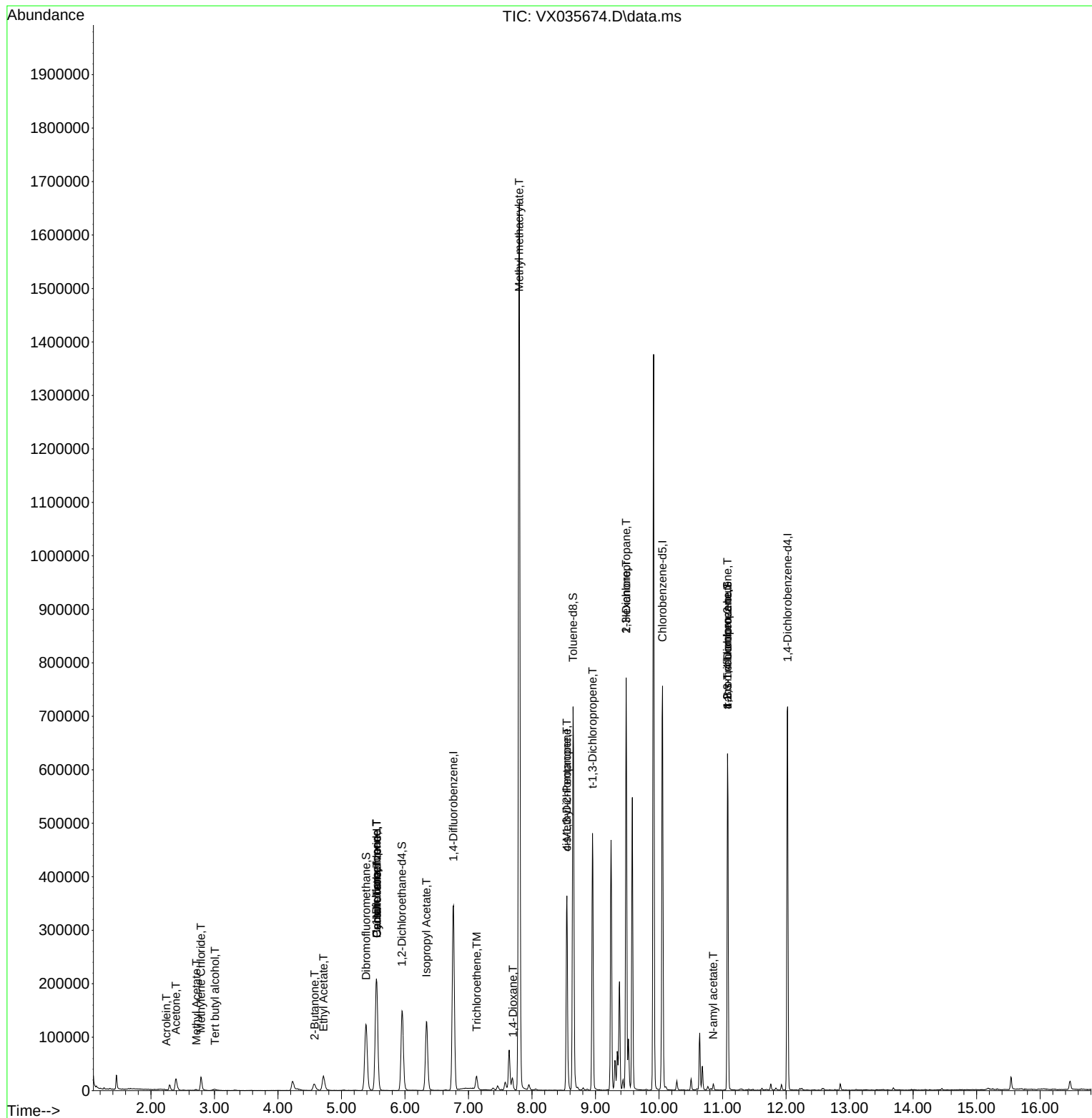
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

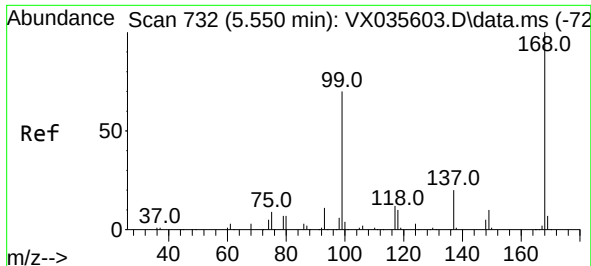
Internal Standards						
1) Pentafluorobenzene	5.556	168	179795	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	330224	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	305983	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	137452	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	151346	48.252	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.500%		
35) Dibromofluoromethane	5.385	113	107166	48.121	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.240%		
50) Toluene-d8	8.647	98	406245	49.378	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.760%		
62) 4-Bromofluorobenzene	11.079	95	167518	50.570	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.140%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	3.007	59	4542	8.208	ug/l	# 86
13) Acrolein	2.239	56	159	0.242	ug/l	96
16) Acetone	2.392	43	30012	22.262	ug/l	99
18) Methyl Acetate	2.715	43	2472	0.497	ug/l	# 86
20) Methylene Chloride	2.788	84	11231	4.597	ug/l	95
25) 2-Butanone	4.574	43	24426	13.089	ug/l	98
31) Cyclohexane	5.556	56	4878	1.231	ug/l	# 20
36) 1,1-Dichloropropene	5.550	75	17559	4.995	ug/l	# 50
37) Ethyl Acetate	4.714	43	47811	13.040	ug/l	98
38) Carbon Tetrachloride	5.556	117	21029	6.315	ug/l	# 16
43) Isopropyl Acetate	6.336	43	180191	28.183	ug/l	99
44) Trichloroethene	7.129	130	8306	3.331	ug/l	98
48) Methyl methacrylate	7.799	41	152350	48.283	ug/l	# 47
49) 1,4-Dioxane	7.702	88	274	5.914	ug/l	# 23
51) 4-Methyl-2-Pentanone	8.549	43	133334	36.199	ug/l	# 49
53) t-1,3-Dichloropropene	8.951	75	969	0.259	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	53088	13.235	ug/l	# 64
57) 1,3-Dichloropropane	9.482	76	6267	1.418	ug/l	# 42
59) 2-Hexanone	9.482	43	94464	34.054	ug/l	# 50
74) N-amyl acetate	10.854	43	2163	0.401	ug/l	# 39
76) 1,2,3-Trichloropropane	11.079	75	92048	27.378	ug/l	# 34
81) trans-1,4-Dichloro-2-b...	11.079	75	92048	88.235	ug/l	# 8

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

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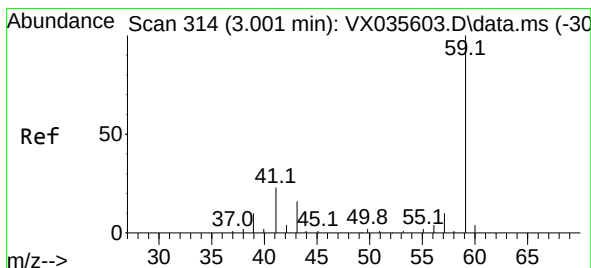
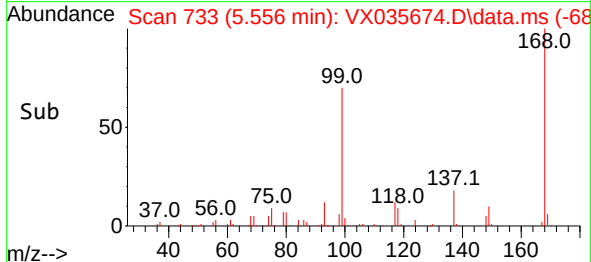
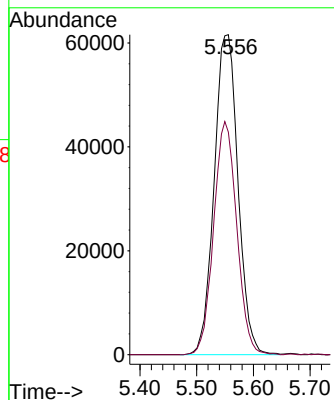
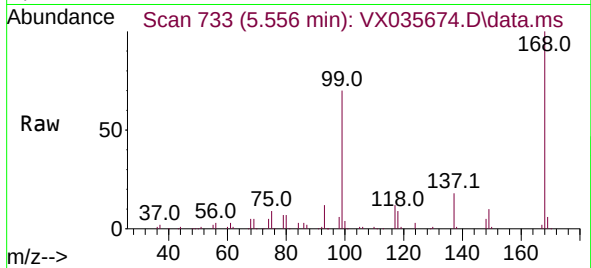




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX035674.D
Acq: 15 May 2023 18:42

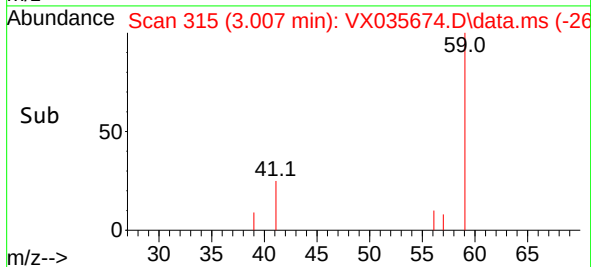
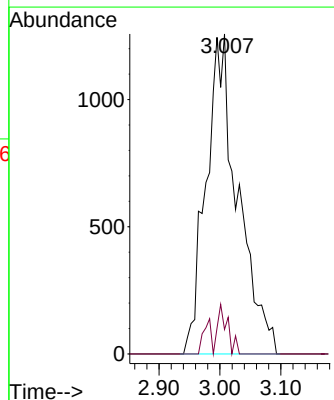
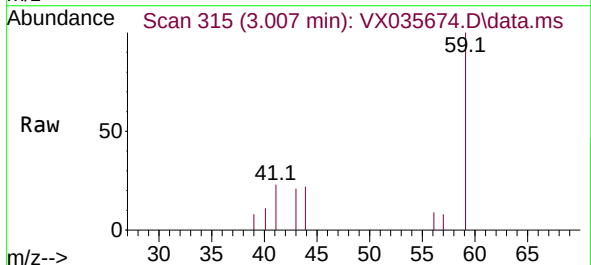
Instrument :
MSVOA_X
ClientSampleId :
FSND-IDW-S-05042023

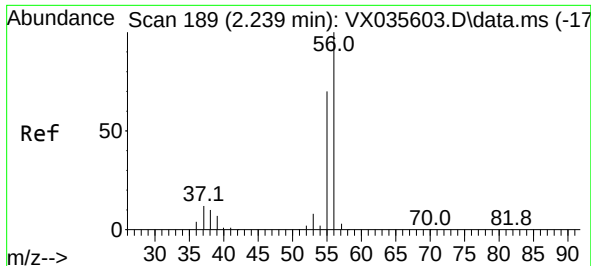
Tgt Ion:168 Resp: 179795
Ion Ratio Lower Upper
168 100
99 69.5 45.7 68.5#



#11
Tert butyl alcohol
Concen: 8.208 ug/l
RT: 3.007 min Scan# 315
Delta R.T. 0.006 min
Lab File: VX035674.D
Acq: 15 May 2023 18:42

Tgt Ion: 59 Resp: 4542
Ion Ratio Lower Upper
59 100
57 4.9 8.1 12.1#

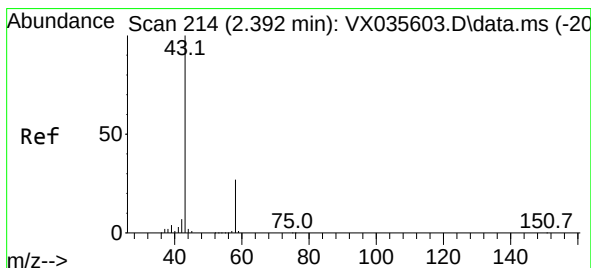
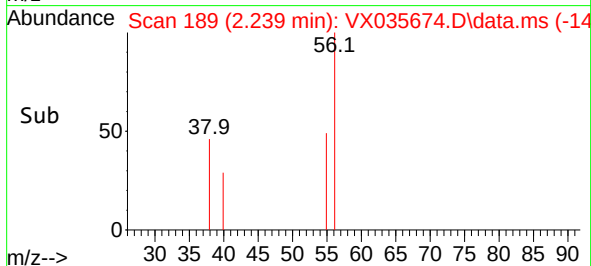
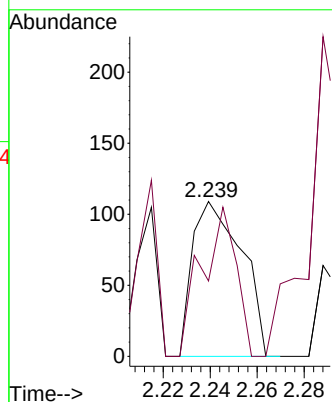
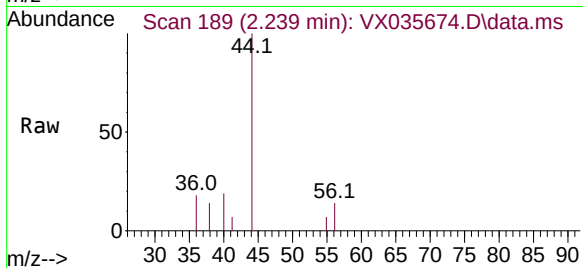




#13
Acrolein
Concen: 0.242 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX035674.D
Acq: 15 May 2023 18:42

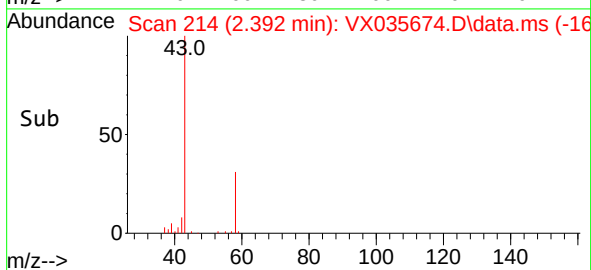
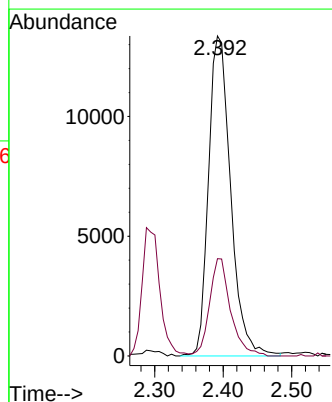
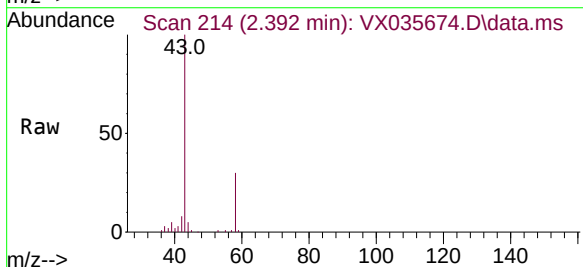
Instrument :
MSVOA_X
ClientSampleId :
FSND-IDW-S-05042023

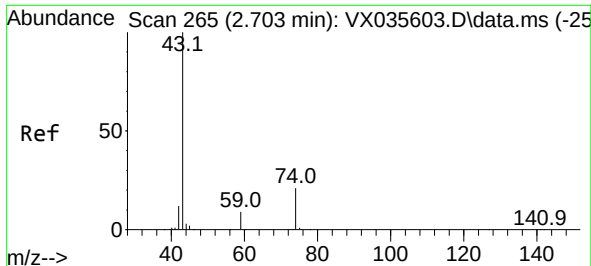
Tgt Ion: 56 Resp: 159
Ion Ratio Lower Upper
56 100
55 67.3 56.6 85.0



#16
Acetone
Concen: 22.262 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX035674.D
Acq: 15 May 2023 18:42

Tgt Ion: 43 Resp: 30012
Ion Ratio Lower Upper
43 100
58 30.4 24.7 37.1





#18

Methyl Acetate

Concen: 0.497 ug/l

RT: 2.715 min Scan# 2

Delta R.T. 0.012 min

Lab File: VX035674.D

Acq: 15 May 2023 18:42

Instrument :

MSVOA_X

ClientSampleId :

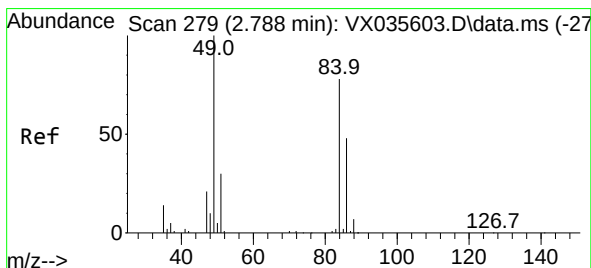
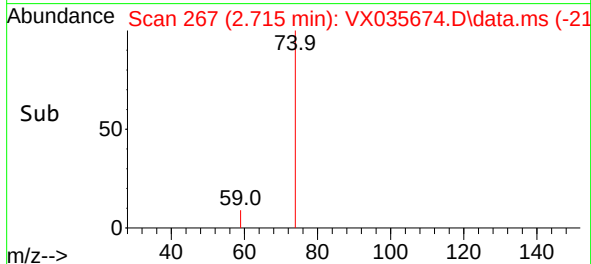
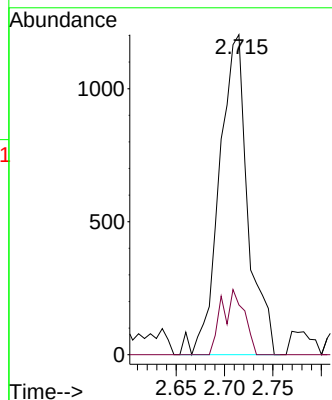
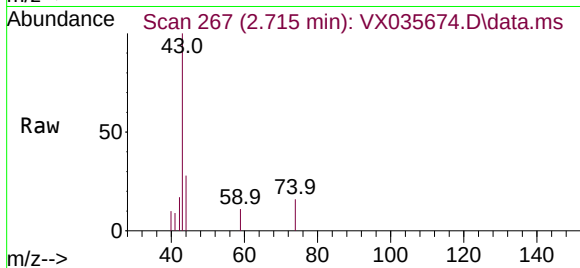
FSND-IDW-S-05042023

Tgt Ion: 43 Resp: 2472

Ion Ratio Lower Upper

43 100

74 16.0 18.3 27.5#



#20

Methylene Chloride

Concen: 4.597 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX035674.D

Acq: 15 May 2023 18:42

Tgt Ion: 84 Resp: 11231

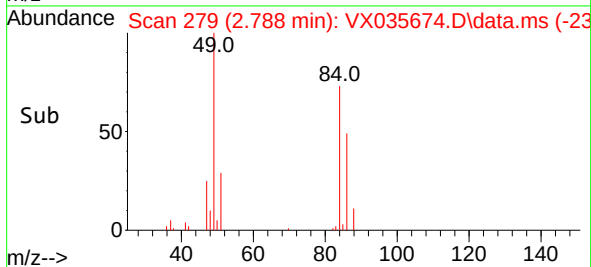
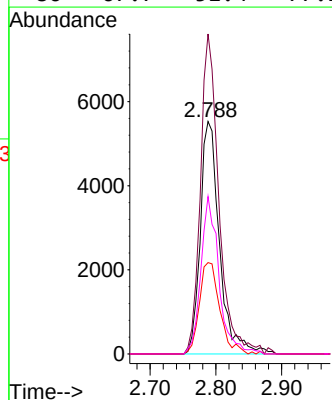
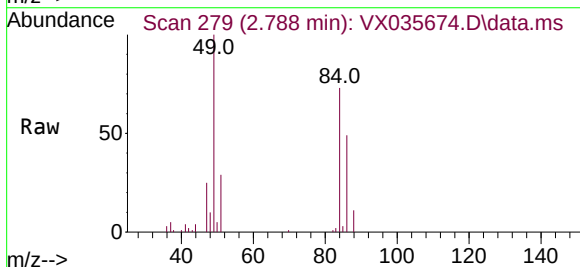
Ion Ratio Lower Upper

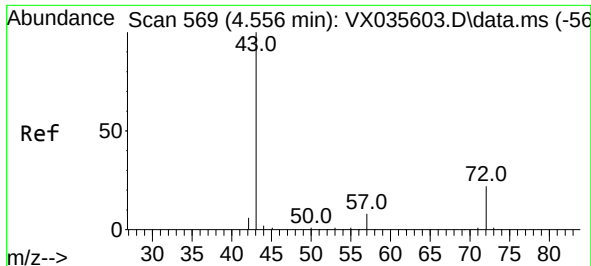
84 100

49 137.7 103.8 155.8

51 39.3 31.8 47.8

86 67.7 51.4 77.2

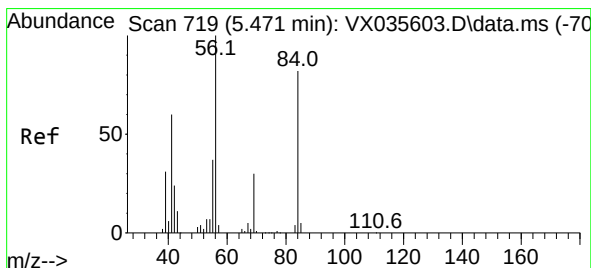
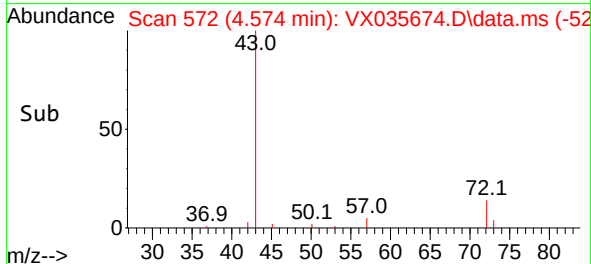
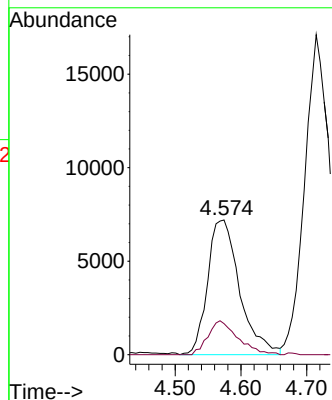
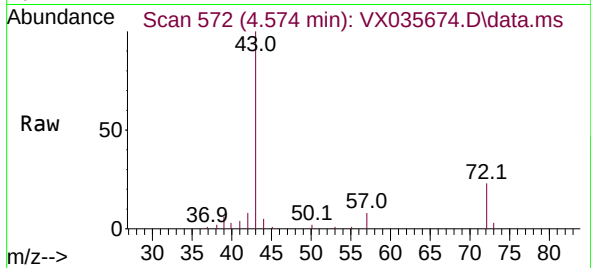




#25
2-Butanone
Concen: 13.089 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX035674.D
Acq: 15 May 2023 18:42

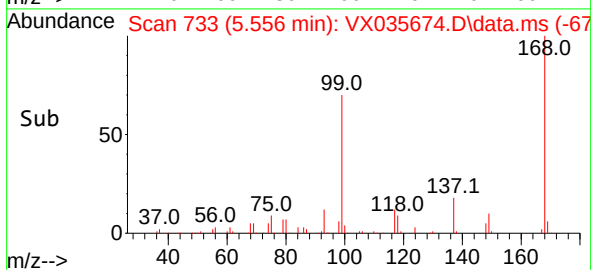
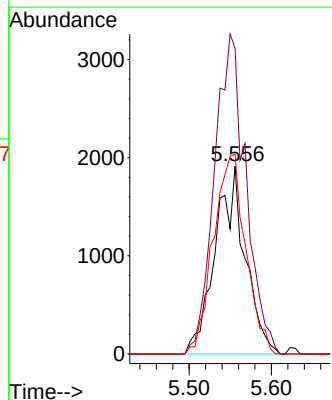
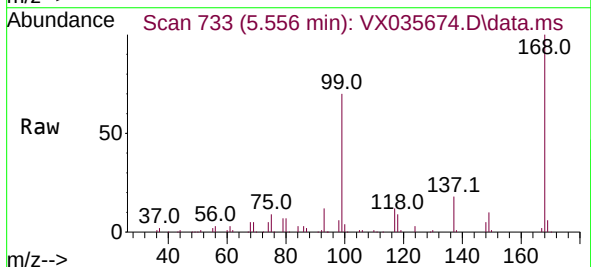
Instrument :
MSVOA_X
ClientSampleId :
FSND-IDW-S-05042023

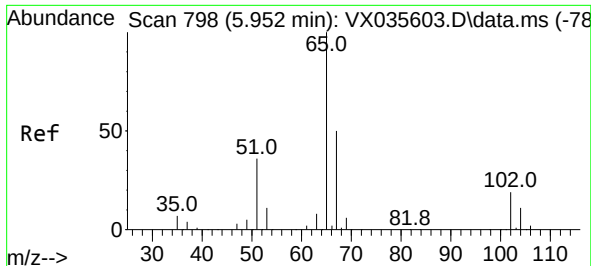
Tgt Ion: 43 Resp: 24426
Ion Ratio Lower Upper
43 100
72 23.0 19.3 28.9



#31
Cyclohexane
Concen: 1.231 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX035674.D
Acq: 15 May 2023 18:42

Tgt Ion: 56 Resp: 4878
Ion Ratio Lower Upper
56 100
69 162.6 23.7 35.5#
84 106.3 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 48.252 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX035674.D

Acq: 15 May 2023 18:42

Instrument :

MSVOA_X

ClientSampleId :

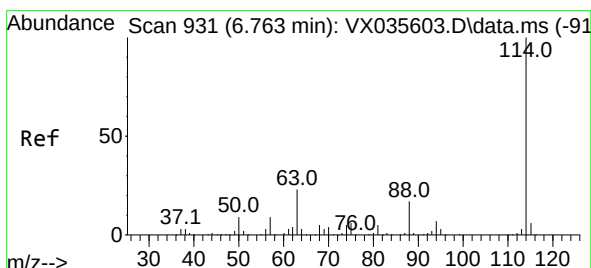
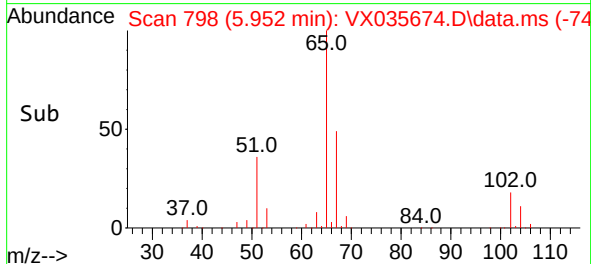
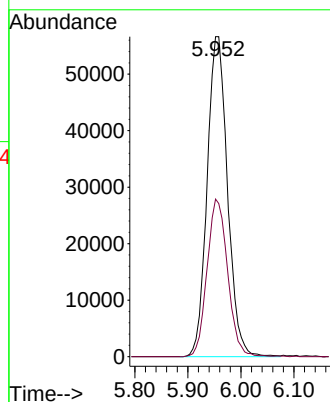
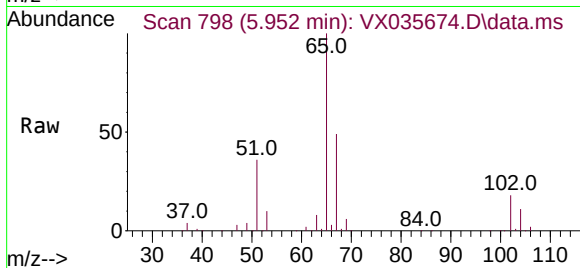
FSND-IDW-S-05042023

Tgt Ion: 65 Resp: 151346

Ion Ratio Lower Upper

65 100

67 49.7 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: VX035674.D

Acq: 15 May 2023 18:42

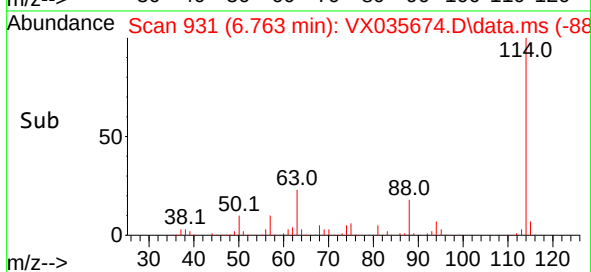
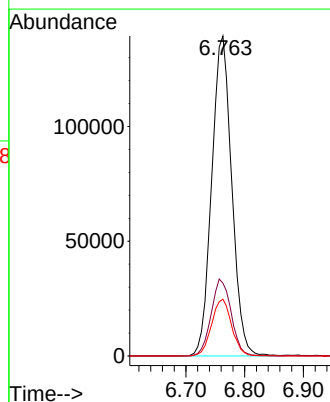
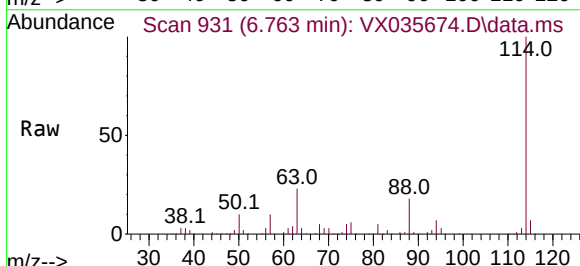
Tgt Ion: 114 Resp: 330224

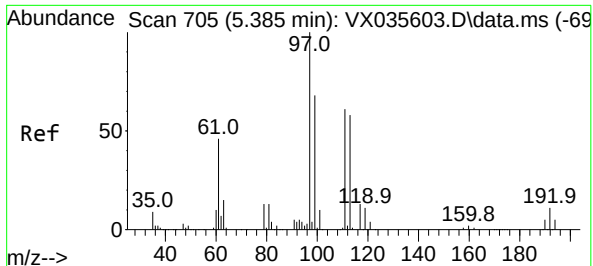
Ion Ratio Lower Upper

114 100

63 22.8 0.0 42.2

88 17.8 0.0 33.2

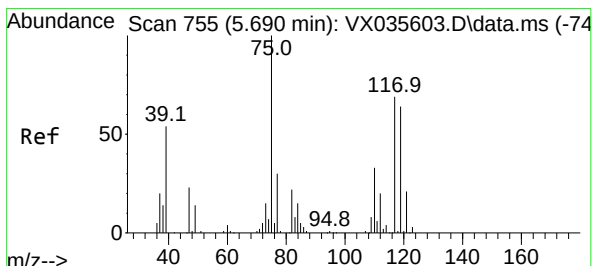
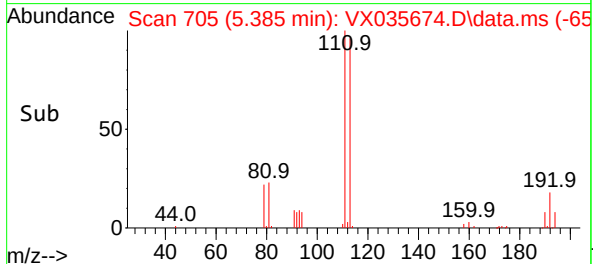
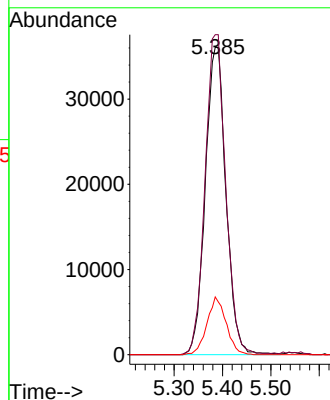
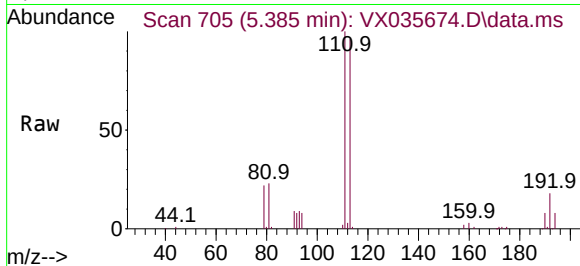




#35
Dibromofluoromethane
Concen: 48.121 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035674.D
Acq: 15 May 2023 18:42

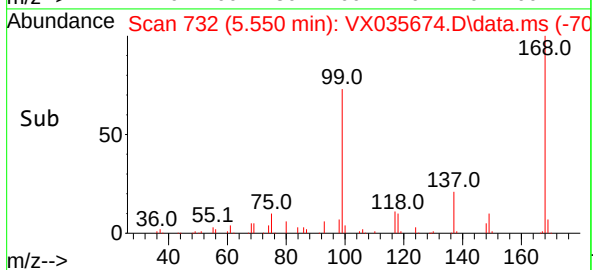
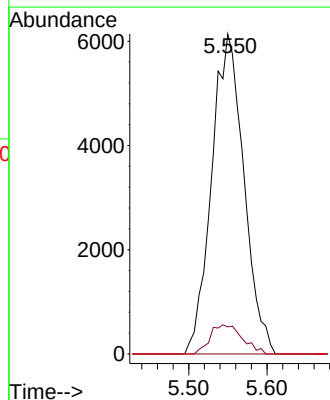
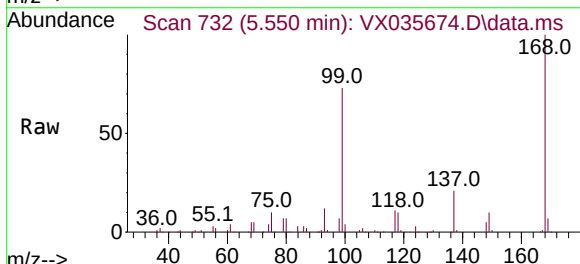
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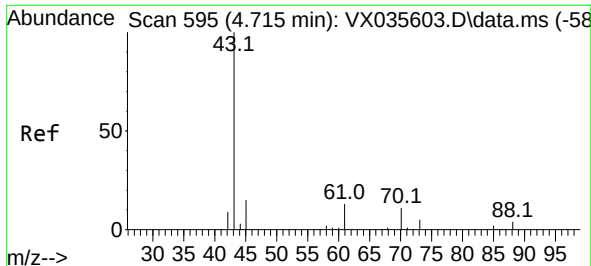
Tgt Ion:113 Resp: 107166
Ion Ratio Lower Upper
113 100
111 103.9 83.7 125.5
192 17.4 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.995 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX035674.D
Acq: 15 May 2023 18:42

Tgt Ion: 75 Resp: 17559
Ion Ratio Lower Upper
75 100
110 9.1 17.5 52.5#
77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 13.040 ug/l

RT: 4.714 min Scan# 595

Delta R.T. -0.001 min

Lab File: VX035674.D

Acq: 15 May 2023 18:42

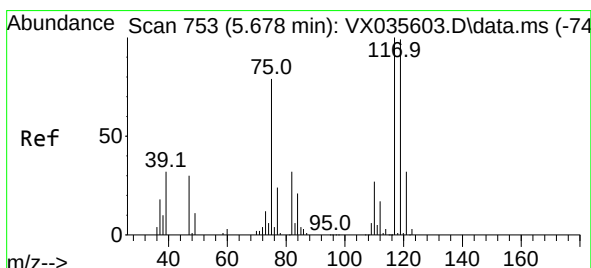
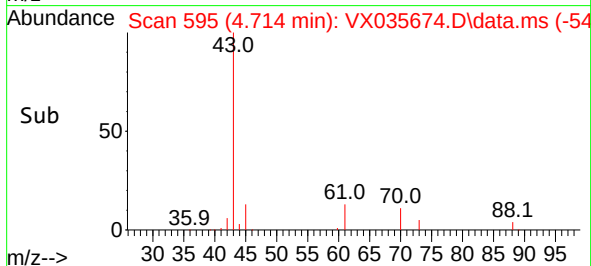
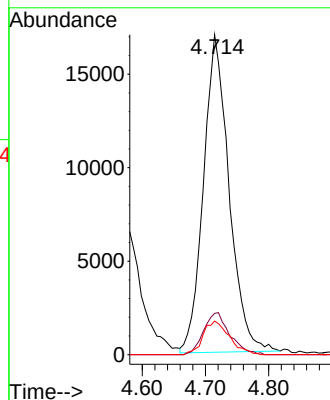
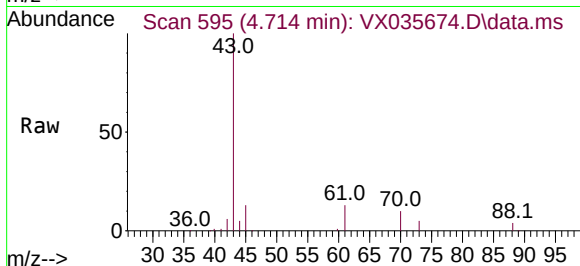
Instrument :

MSVOA_X

ClientSampleId :

FSND-IDW-S-05042023

Tgt Ion:	43	Resp:	47811
Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.2	15.4
70	10.9	8.2	12.4



#38

Carbon Tetrachloride

Concen: 6.315 ug/l

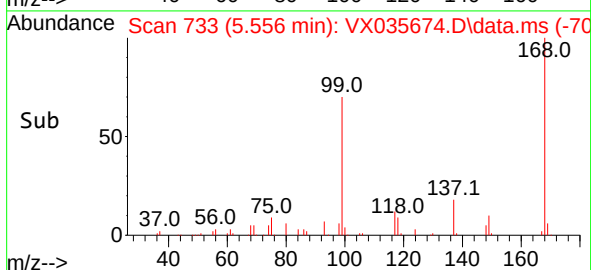
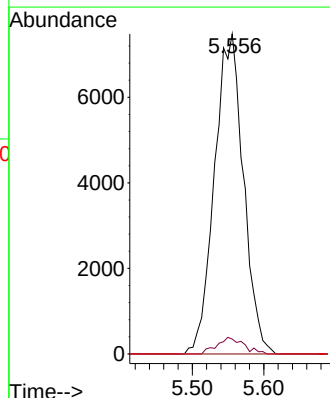
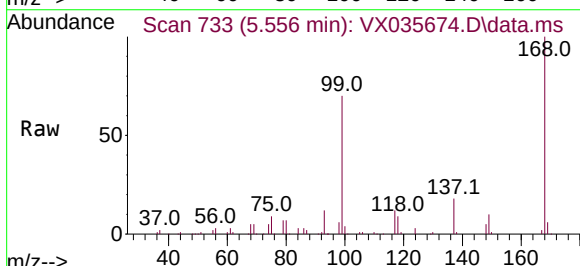
RT: 5.556 min Scan# 733

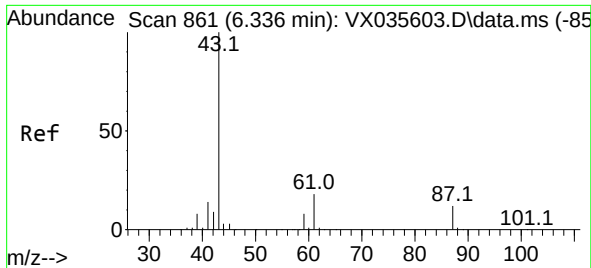
Delta R.T. -0.122 min

Lab File: VX035674.D

Acq: 15 May 2023 18:42

Tgt Ion:	117	Resp:	21029
Ion	Ratio	Lower	Upper
117	100		
119	4.6	76.6	114.8#
121	0.0	23.8	35.6#





#43

Isopropyl Acetate

Concen: 28.183 ug/l

RT: 6.336 min Scan# 80

Delta R.T. 0.000 min

Lab File: VX035674.D

Acq: 15 May 2023 18:42

Instrument :

MSVOA_X

ClientSampleId :

FSND-IDW-S-05042023

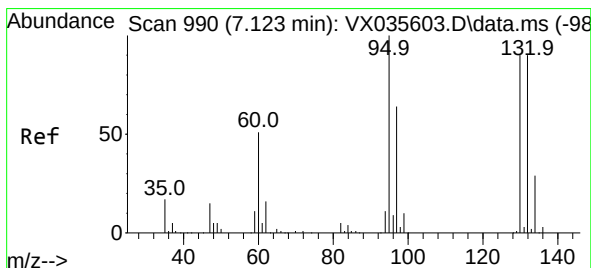
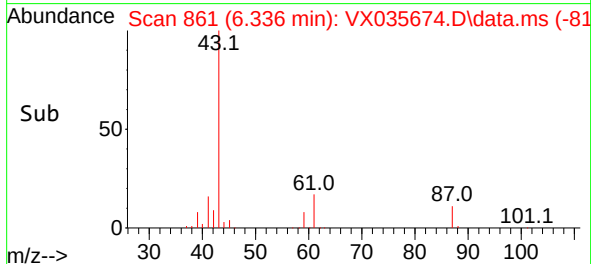
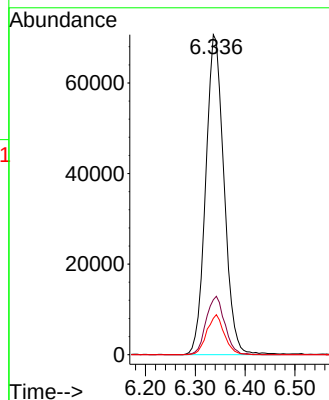
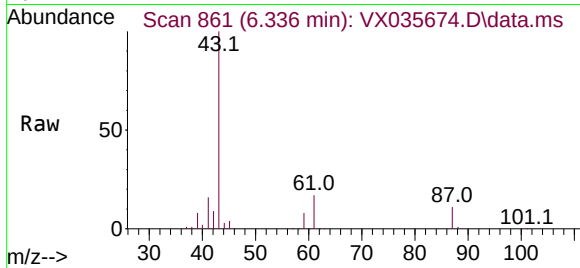
Tgt Ion: 43 Resp: 180191

Ion Ratio Lower Upper

43 100

61 18.6 15.2 22.8

87 11.9 9.8 14.8



#44

Trichloroethene

Concen: 3.331 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.006 min

Lab File: VX035674.D

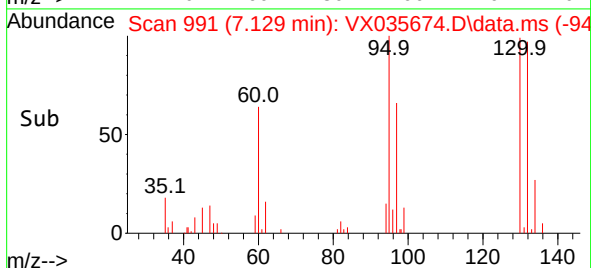
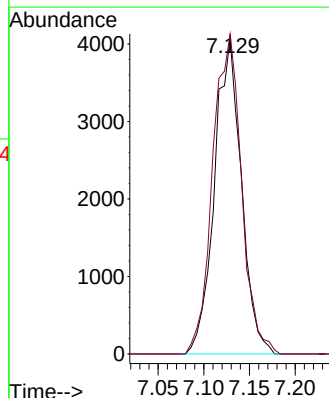
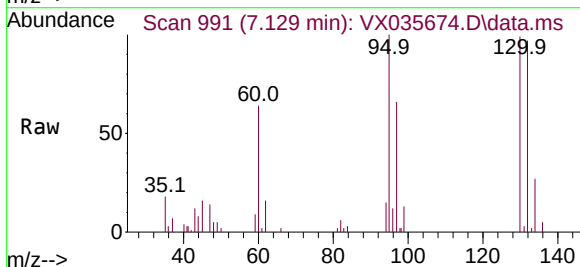
Acq: 15 May 2023 18:42

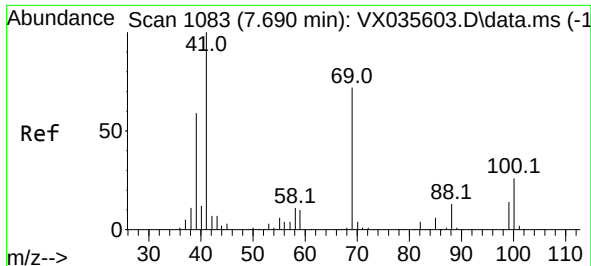
Tgt Ion:130 Resp: 8306

Ion Ratio Lower Upper

130 100

95 101.3 0.0 198.4

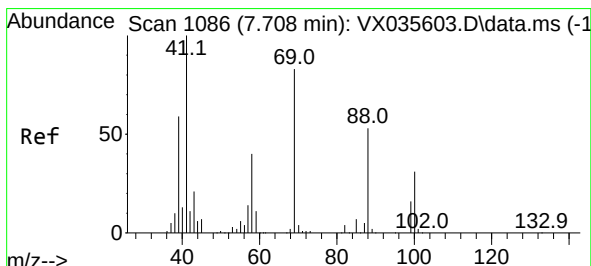
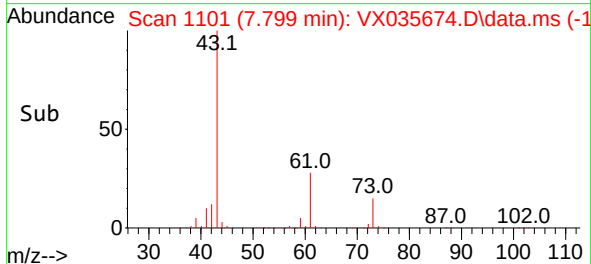
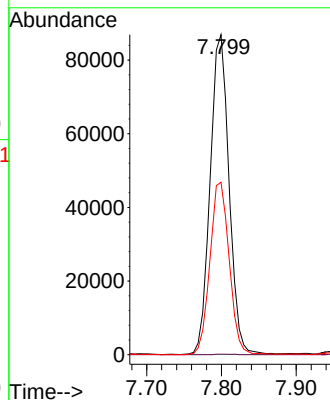
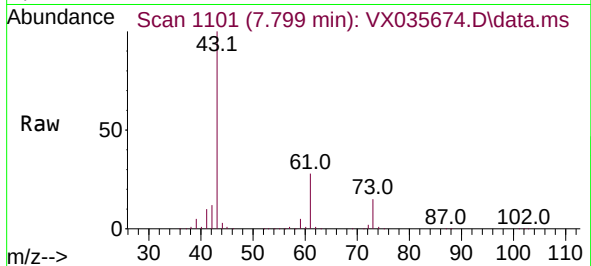




#48
Methyl methacrylate
Concen: 48.283 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.109 min
Lab File: VX035674.D
Acq: 15 May 2023 18:42

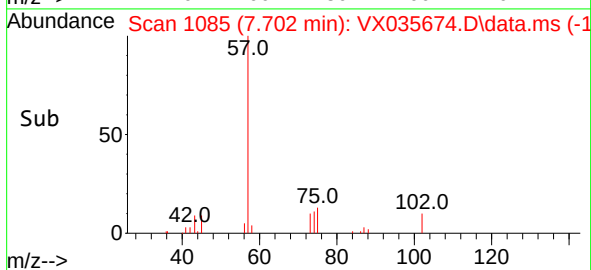
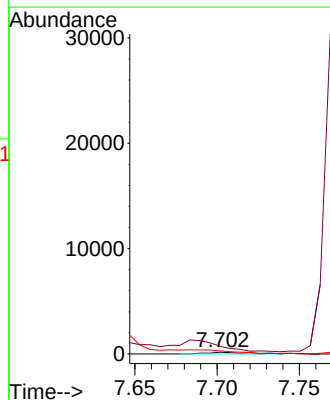
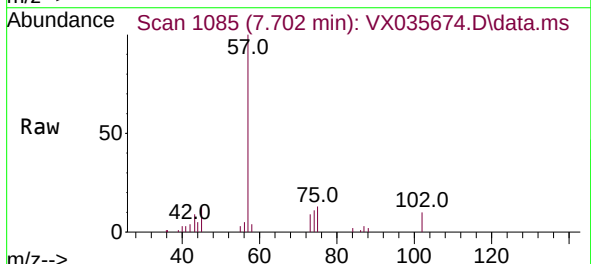
Instrument :
MSVOA_X
ClientSampleId :
FSND-IDW-S-05042023

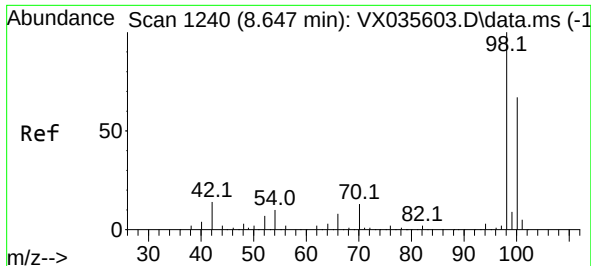
Tgt Ion: 41 Resp: 152350
Ion Ratio Lower Upper
41 100
69 0.2 62.2 93.4#
39 55.2 47.7 71.5



#49
1,4-Dioxane
Concen: 5.914 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. -0.006 min
Lab File: VX035674.D
Acq: 15 May 2023 18:42

Tgt Ion: 88 Resp: 274
Ion Ratio Lower Upper
88 100
43 0.0 27.7 41.5#
58 0.0 56.8 85.2#

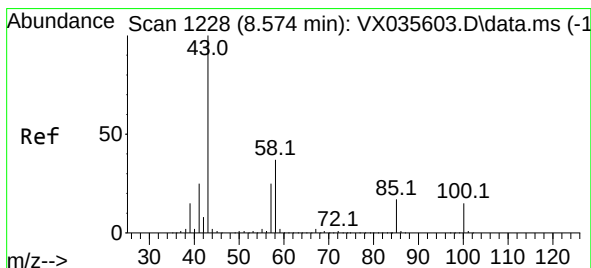
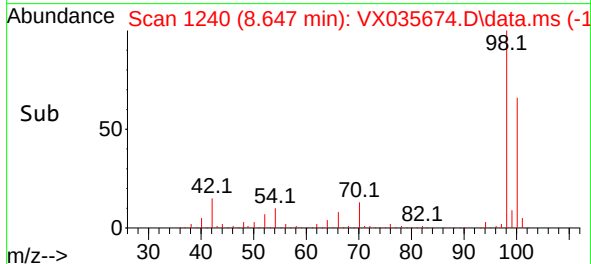
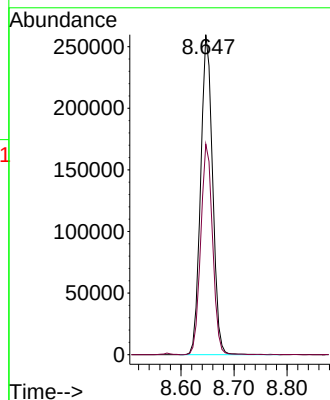
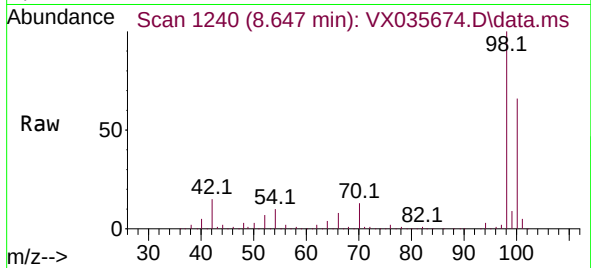




#50
Toluene-d8
Concen: 49.378 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035674.D
Acq: 15 May 2023 18:42

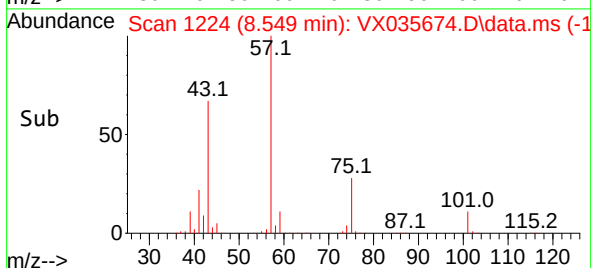
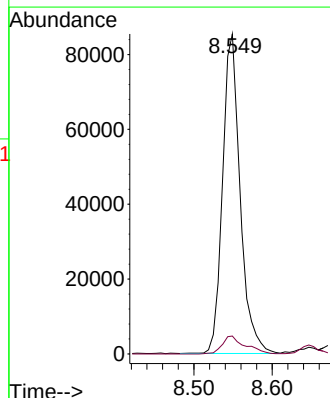
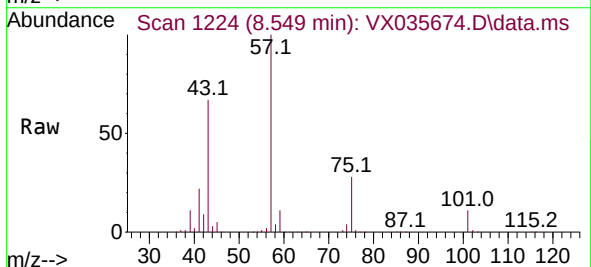
Instrument :
MSVOA_X
ClientSampleId :
FSND-IDW-S-05042023

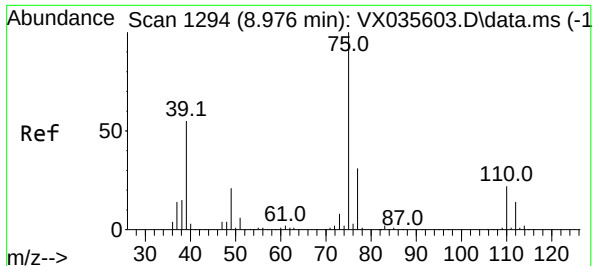
Tgt Ion: 98 Resp: 406245
Ion Ratio Lower Upper
98 100
100 65.4 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 36.199 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX035674.D
Acq: 15 May 2023 18:42

Tgt Ion: 43 Resp: 133334
Ion Ratio Lower Upper
43 100
58 7.4 30.6 46.0#





#53

t-1,3-Dichloropropene

Concen: 0.259 ug/l

RT: 8.951 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX035674.D

Acq: 15 May 2023 18:42

Instrument :

MSVOA_X

ClientSampleId :

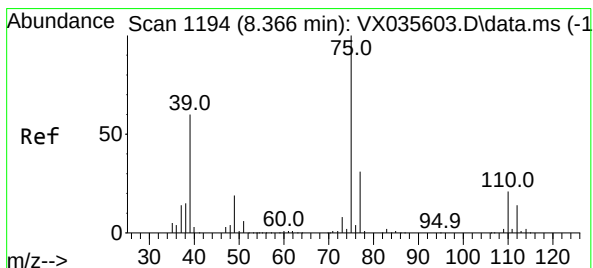
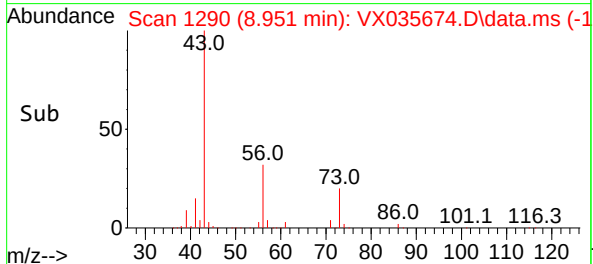
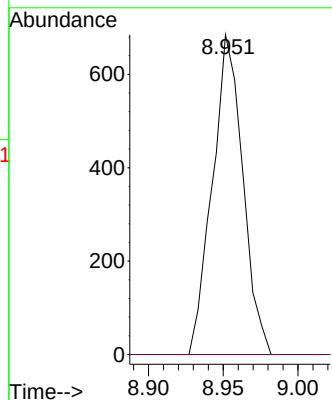
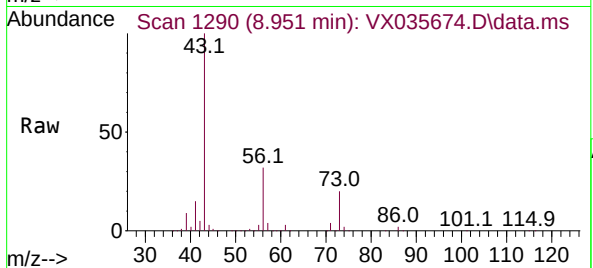
FSND-IDW-S-05042023

Tgt Ion: 75 Resp: 969

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.2#



#54

cis-1,3-Dichloropropene

Concen: 13.235 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX035674.D

Acq: 15 May 2023 18:42

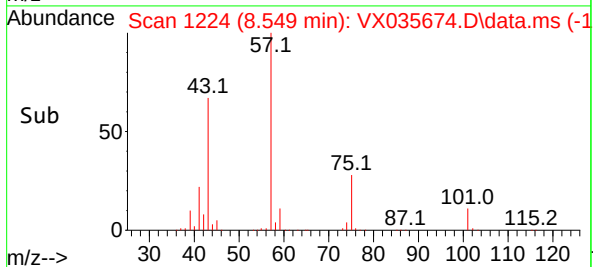
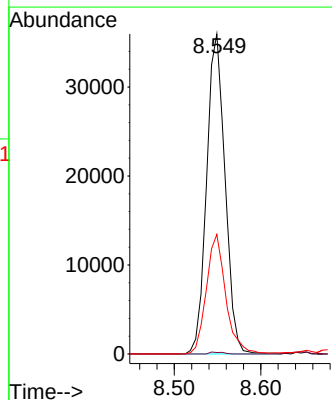
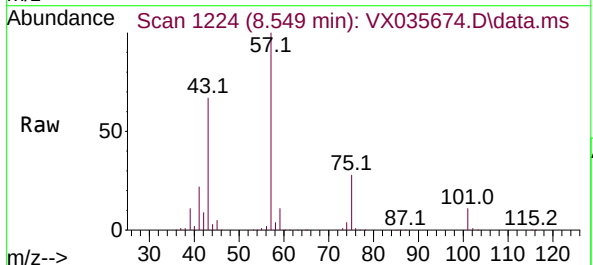
Tgt Ion: 75 Resp: 53088

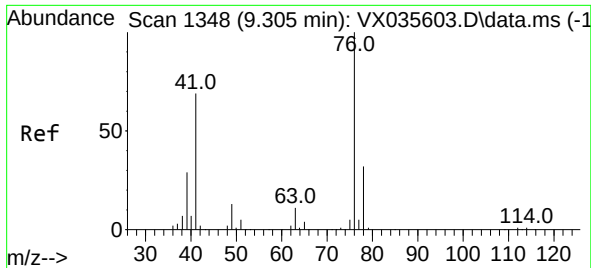
Ion Ratio Lower Upper

75 100

77 0.4 25.0 37.4#

39 37.3 44.6 66.8#

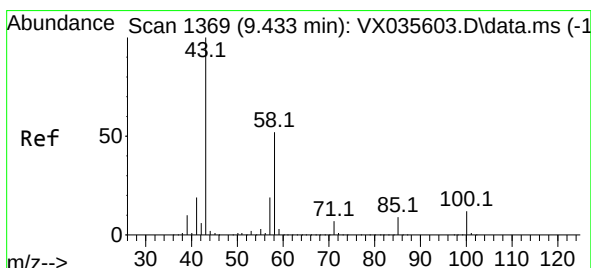
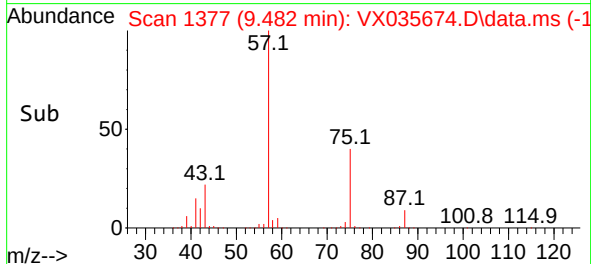
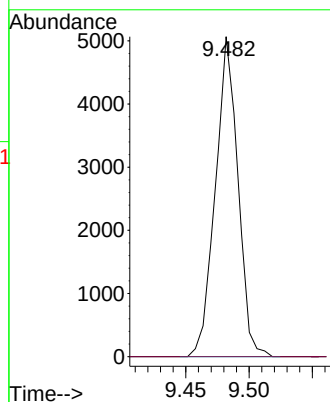
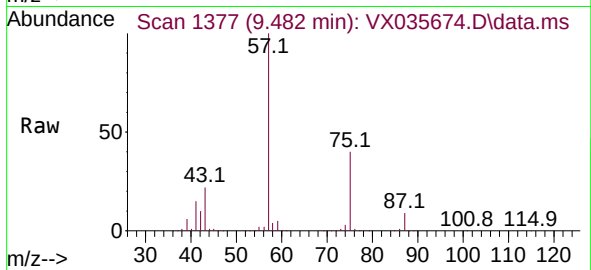




#57
1,3-Dichloropropane
Concen: 1.418 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX035674.D
Acq: 15 May 2023 18:42

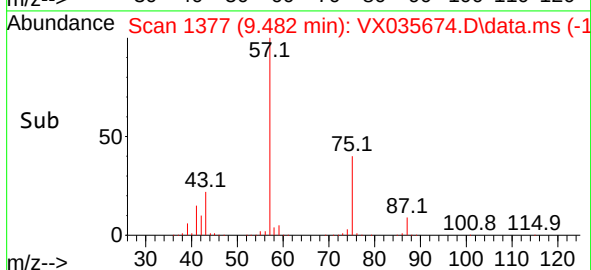
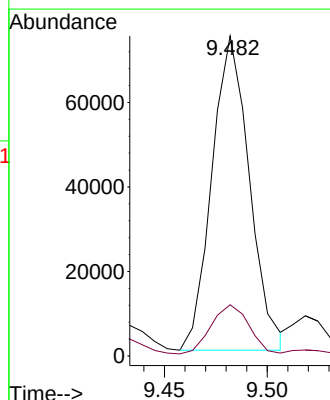
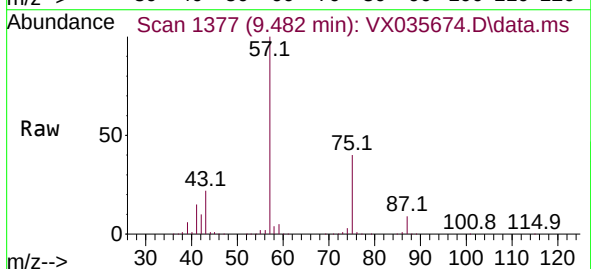
Instrument :
MSVOA_X
ClientSampleId :
FSND-IDW-S-05042023

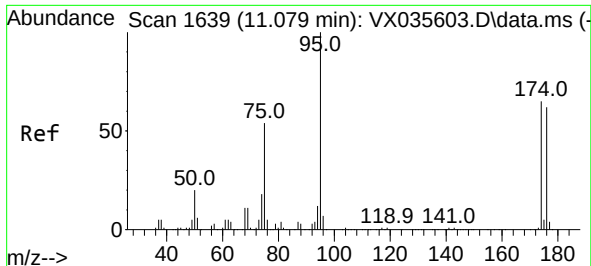
Tgt Ion: 76 Resp: 6267
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 34.054 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX035674.D
Acq: 15 May 2023 18:42

Tgt Ion: 43 Resp: 94464
Ion Ratio Lower Upper
43 100
58 17.2 26.3 78.9#





#62

4-Bromofluorobenzene

Concen: 50.570 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX035674.D

Acq: 15 May 2023 18:42

Instrument :

MSVOA_X

ClientSampleId :

FSND-IDW-S-05042023

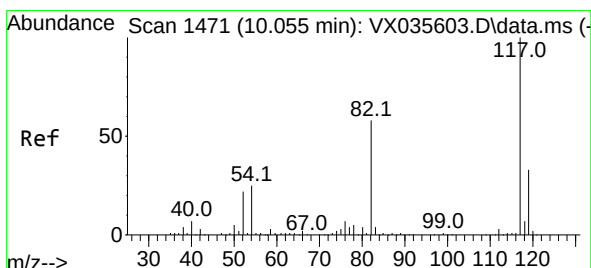
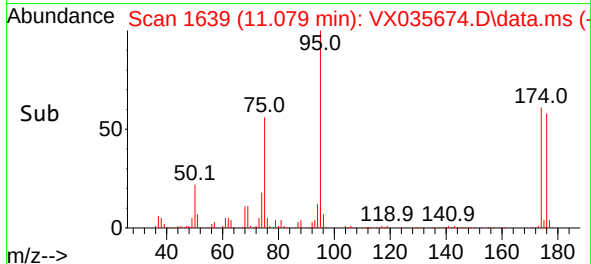
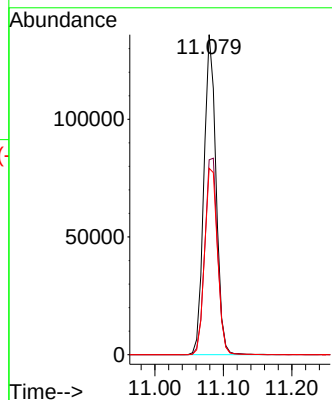
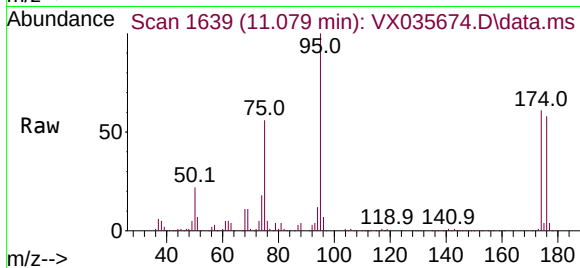
Tgt Ion: 95 Resp: 167518

Ion Ratio Lower Upper

95 100

174 64.8 0.0 147.4

176 62.1 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: VX035674.D

Acq: 15 May 2023 18:42

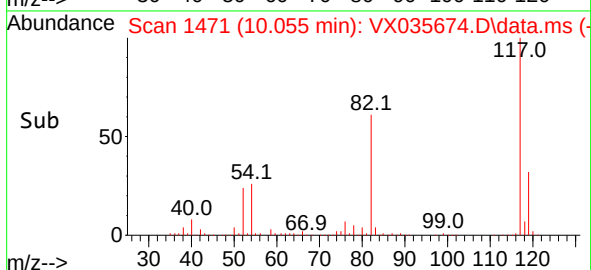
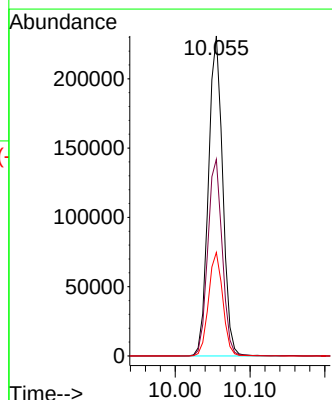
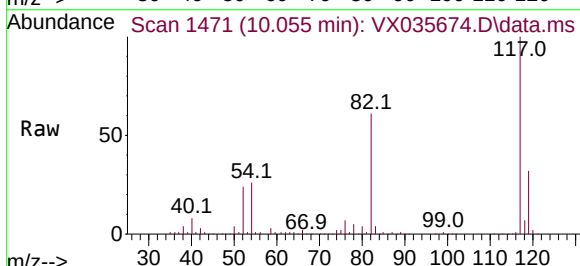
Tgt Ion: 117 Resp: 305983

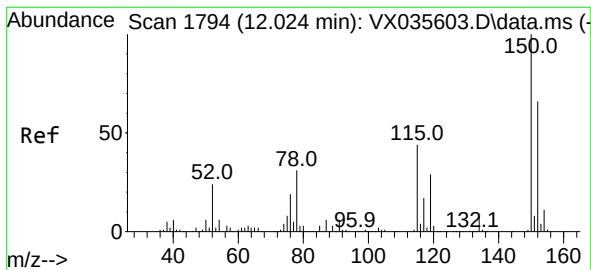
Ion Ratio Lower Upper

117 100

82 61.4 45.0 67.4

119 32.4 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: VX035674.D

Acq: 15 May 2023 18:42

Instrument :

MSVOA_X

ClientSampleId :

FSND-IDW-S-05042023

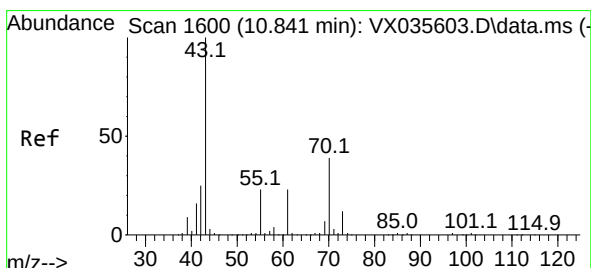
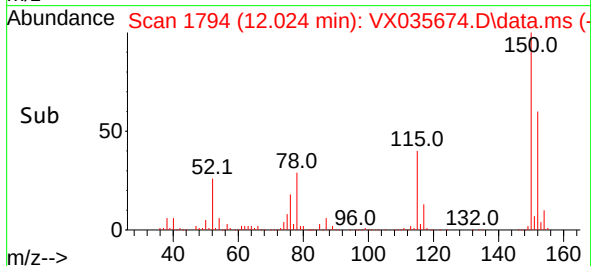
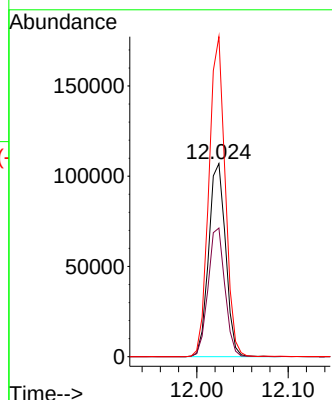
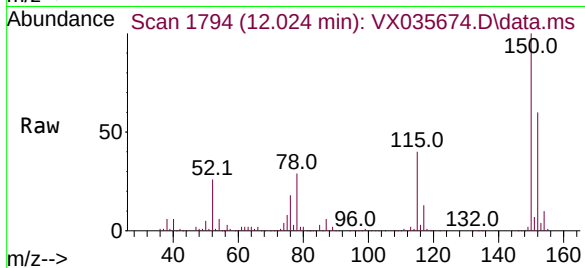
Tgt Ion:152 Resp: 137452

Ion Ratio Lower Upper

152 100

115 66.2 45.0 135.0

150 159.1 0.0 352.4



#74

N-ethyl acetate

Concen: 0.401 ug/l

RT: 10.854 min Scan# 1602

Delta R.T. 0.013 min

Lab File: VX035674.D

Acq: 15 May 2023 18:42

Tgt Ion: 43 Resp: 2163

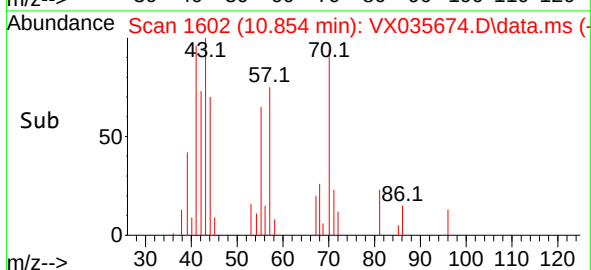
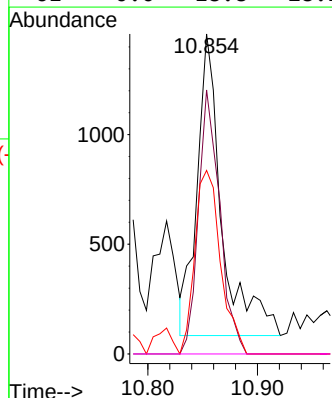
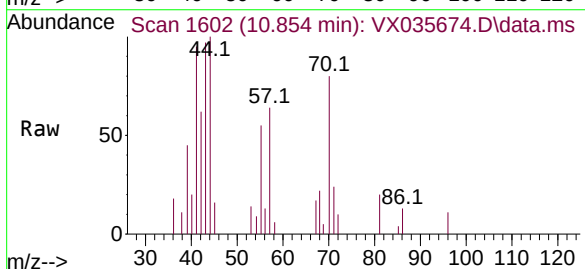
Ion Ratio Lower Upper

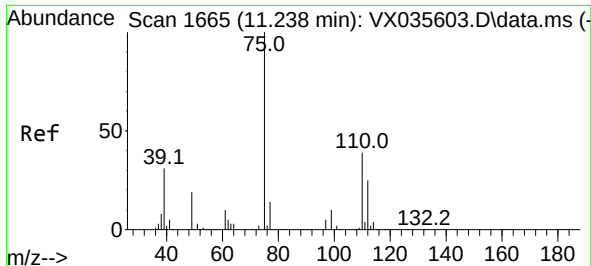
43 100

70 75.4 32.1 48.1#

55 63.0 18.3 27.5#

61 0.0 18.8 28.2#

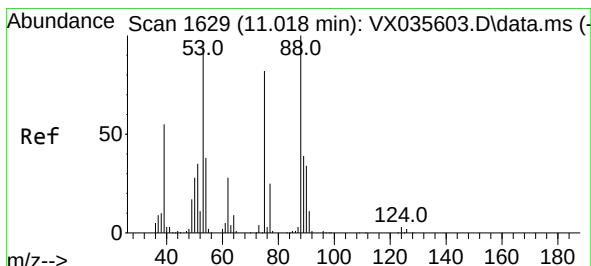
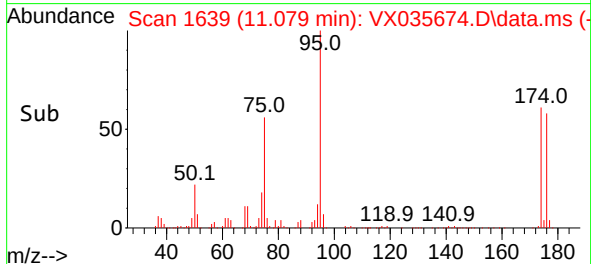
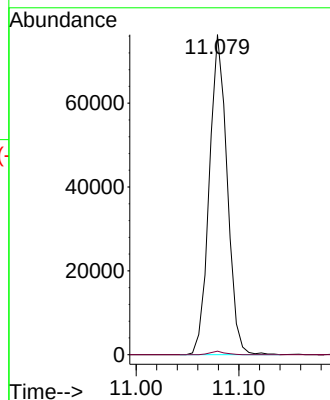
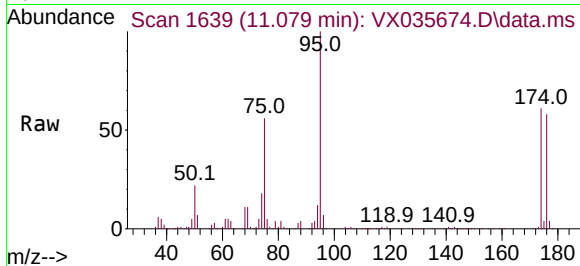




#76
1,2,3-Trichloropropane
Concen: 27.378 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX035674.D
Acq: 15 May 2023 18:42

Instrument :
MSVOA_X
ClientSampleId :
FSND-IDW-S-05042023

Tgt Ion: 75 Resp: 92048
Ion Ratio Lower Upper
75 100
77 0.9 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.235 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX035674.D
Acq: 15 May 2023 18:42

Tgt Ion: 75 Resp: 92048
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#

