

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110923\
 Data File : VX038677.D
 Acq On : 09 Nov 2023 13:55
 Operator : JC/MD
 Sample : 05223-23
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-FD-2-20231031

Quant Time: Nov 10 03:38:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 08 03:19:07 2023
 Response via : Initial Calibration

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

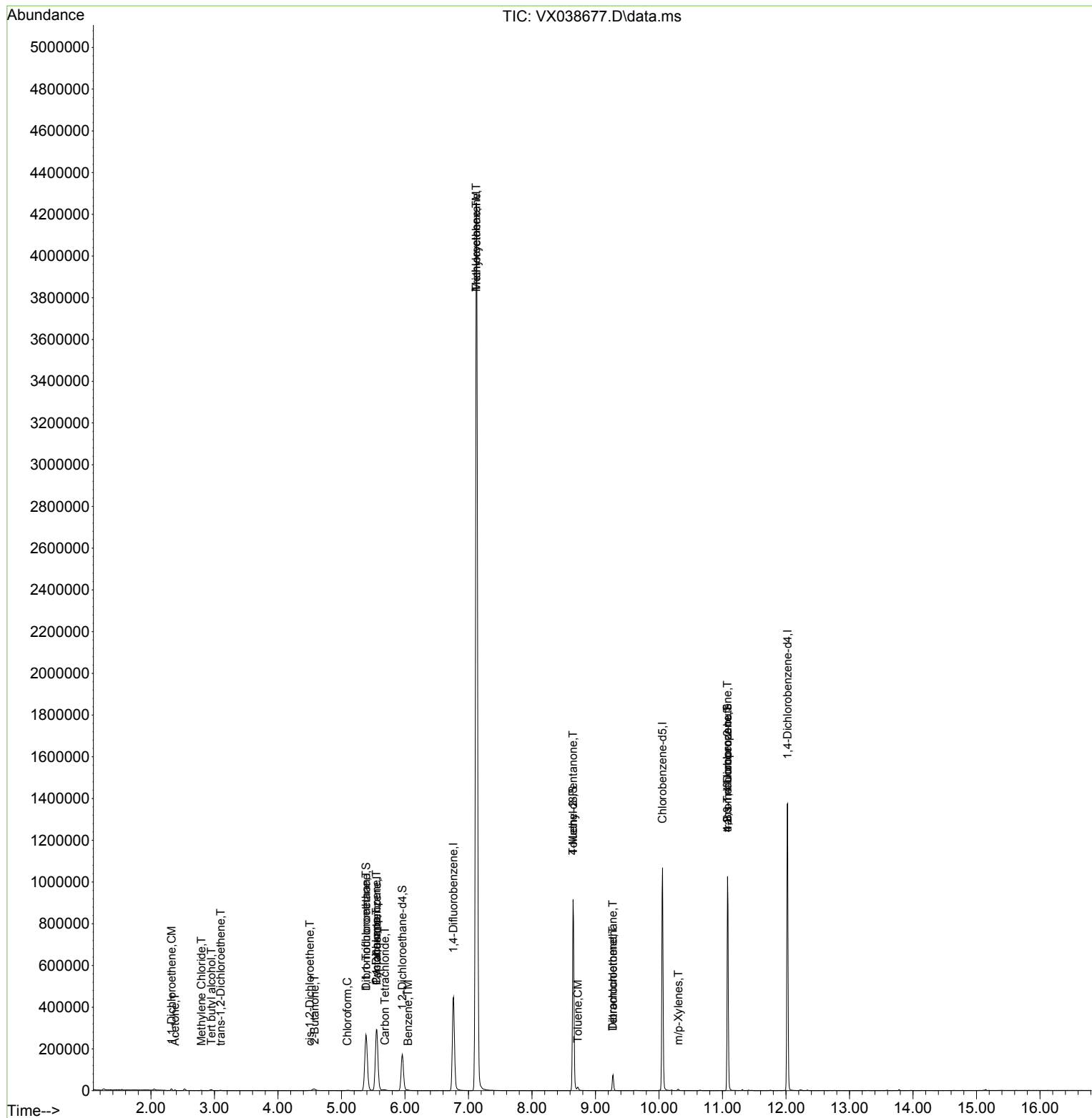
Internal Standards						
1) Pentafluorobenzene	5.556	168	304561	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	499309	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	522219	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	323163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	174444	46.007	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.020%
35) Dibromofluoromethane	5.385	113	171156	47.594	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.180%
50) Toluene-d8	8.647	98	567224	44.078	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	88.160%#
62) 4-Bromofluorobenzene	11.079	95	273865	54.891	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	109.780%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.953	59	3401	4.388	ug/l	# 83
12) 1,1-Dichloroethene	2.325	96	2738	0.963	ug/l	# 72
16) Acetone	2.380	43	3300	2.067	ug/l	# 86
20) Methylene Chloride	2.794	84	874	0.272	ug/l	# 89
21) trans-1,2-Dichloroethene	3.099	96	839	0.271	ug/l	# 82
25) 2-Butanone	4.574	43	621	0.268	ug/l	# 51
27) cis-1,2-Dichloroethene	4.501	96	771	0.216	ug/l	# 14
30) Chloroform	5.093	83	2383	0.400	ug/l	88
31) Cyclohexane	5.550	56	4976	1.186	ug/l	# 1
32) 1,1,1-Trichloroethane	5.385	97	73345	13.993	ug/l	96
36) 1,1-Dichloropropene	5.550	75	19893	4.453	ug/l	# 52
38) Carbon Tetrachloride	5.684	117	2836	0.568	ug/l	# 89
39) Methylcyclohexane	7.123	83	18446	3.303	ug/l	# 1
40) Benzene	6.050	78	3176	0.247	ug/l	94
44) Trichloroethene	7.123	130	1784756	445.817	ug/l	91
51) 4-Methyl-2-Pentanone	8.647	43	1886	0.413	ug/l	# 1
52) Toluene	8.720	92	5674	0.673	ug/l	97
60) Dibromochloromethane	9.275	129	14344	3.573	ug/l	# 11
64) Tetrachloroethene	9.275	164	15100	3.863	ug/l	94
68) m/p-Xylenes	10.305	106	1526	0.214	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	132474	20.698	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	132474	63.019	ug/l	# 5

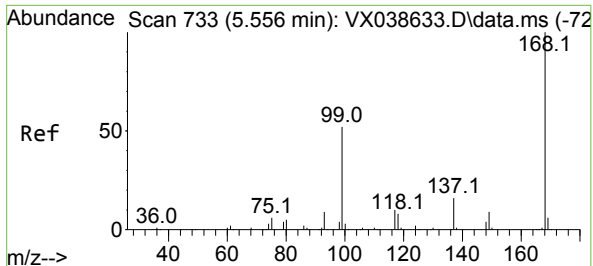
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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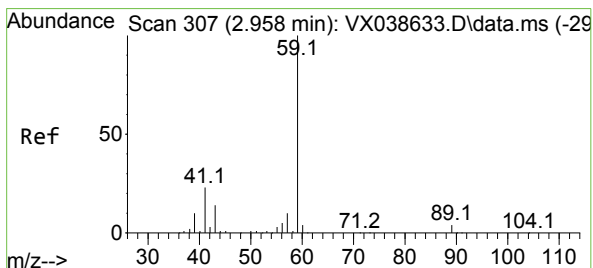
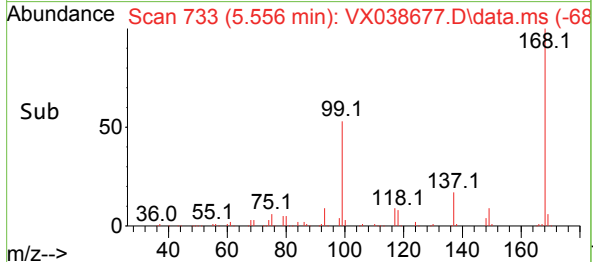
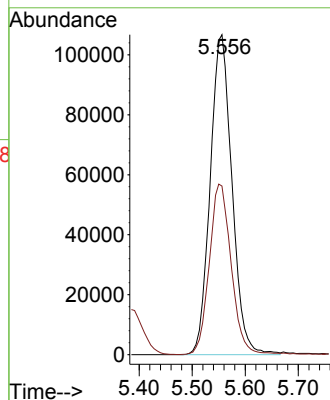
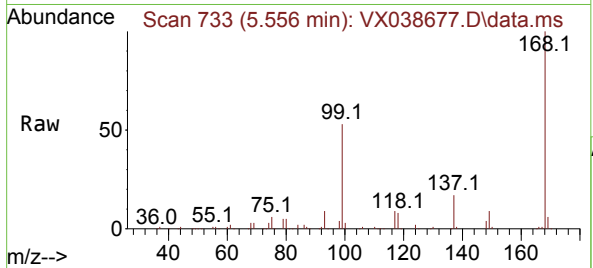




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038677.D
Acq: 09 Nov 2023 13:55

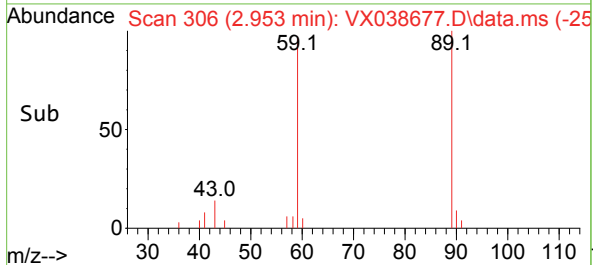
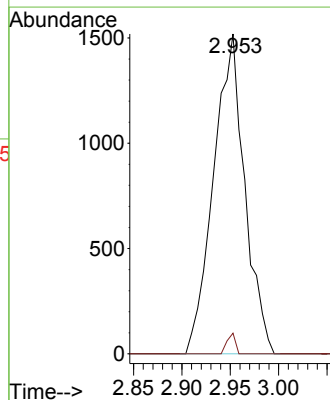
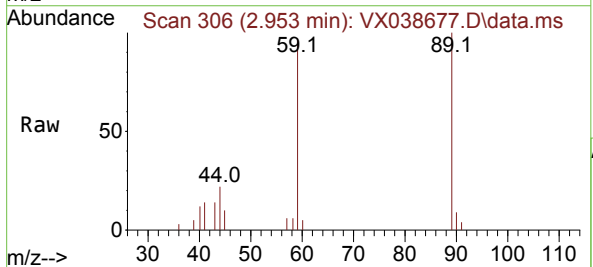
Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-2-20231031

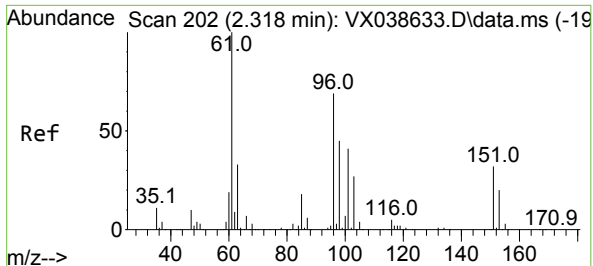
Tgt Ion:168 Resp: 304561
Ion Ratio Lower Upper
168 100
99 52.7 56.6 85.0#



#11
Tert butyl alcohol
Concen: 4.388 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX038677.D
Acq: 09 Nov 2023 13:55

Tgt Ion: 59 Resp: 3401
Ion Ratio Lower Upper
59 100
57 1.7 6.0 9.0#





#12

1,1-Dichloroethene

Concen: 0.963 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.007 min

Lab File: VX038677.D

Acq: 09 Nov 2023 13:55

Instrument :

MSVOA_X

ClientSampleId :

FSND-FD-2-20231031

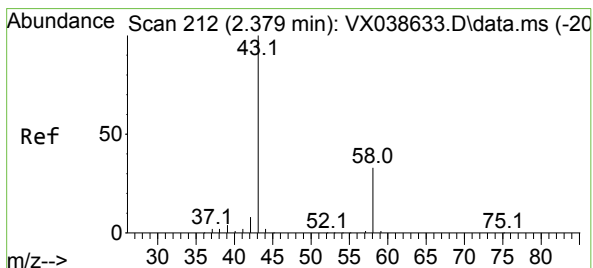
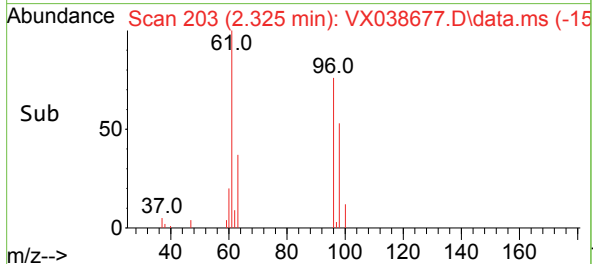
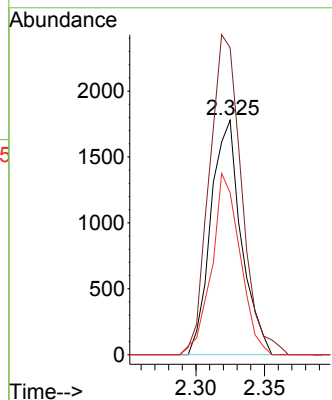
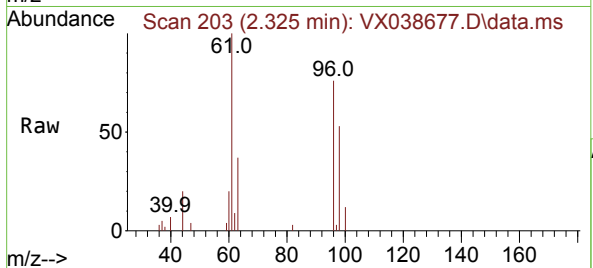
Tgt Ion: 96 Resp: 2738

Ion Ratio Lower Upper

96 100

61 131.0 144.6 216.8#

98 69.1 50.4 75.6



#16

Acetone

Concen: 2.067 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.000 min

Lab File: VX038677.D

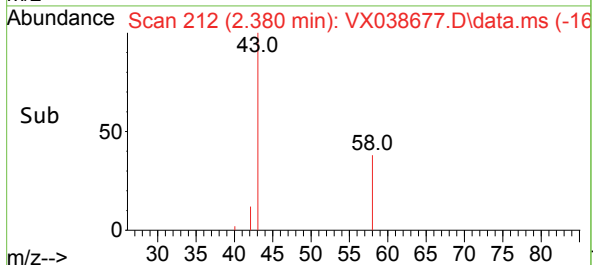
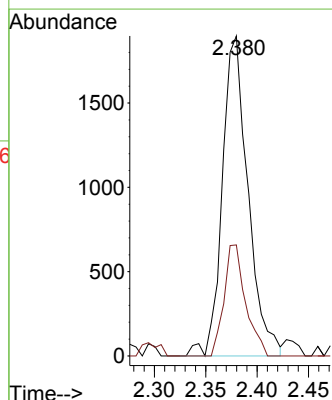
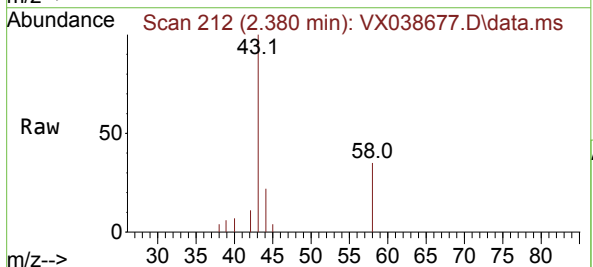
Acq: 09 Nov 2023 13:55

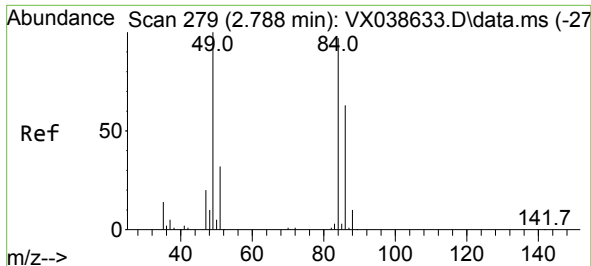
Tgt Ion: 43 Resp: 3300

Ion Ratio Lower Upper

43 100

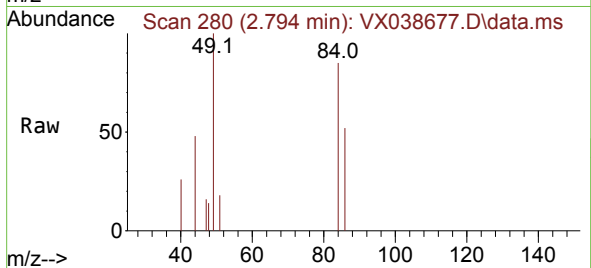
58 34.7 21.9 32.9#





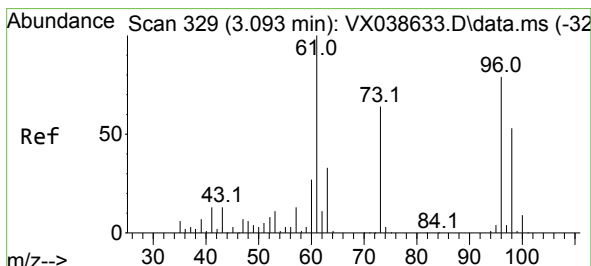
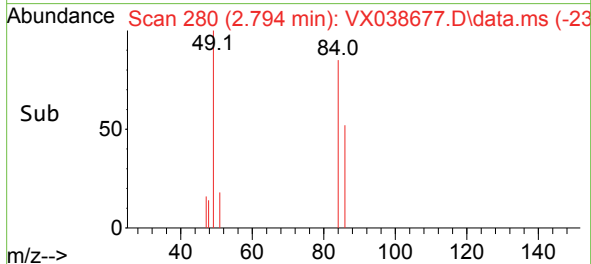
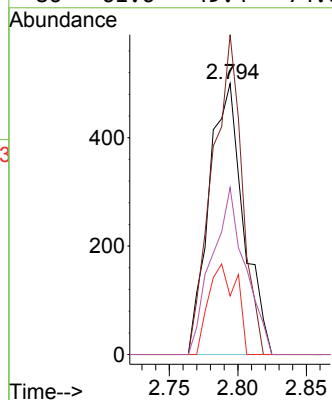
#20
Methylene Chloride
Concen: 0.272 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX038677.D
Acq: 09 Nov 2023 13:55

Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-2-20231031



Tgt Ion: 84 Resp: 874

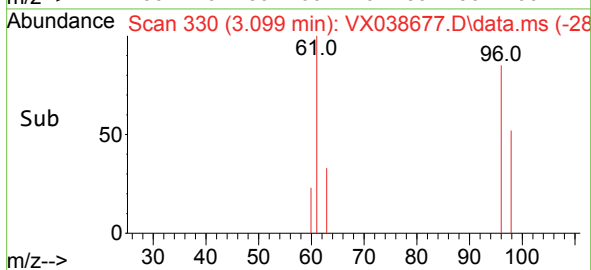
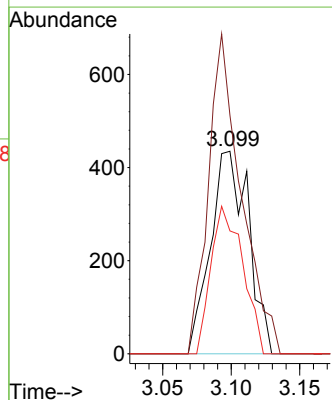
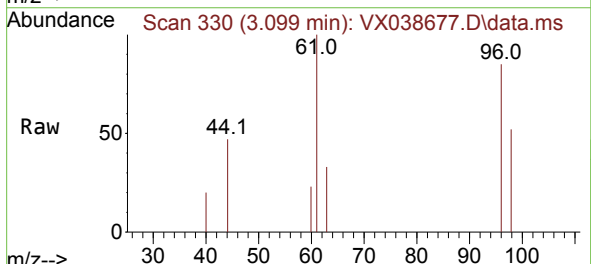
Ion	Ratio	Lower	Upper
84	100		
49	118.0	103.6	155.4
51	21.6	33.8	50.6#
86	61.6	49.4	74.0

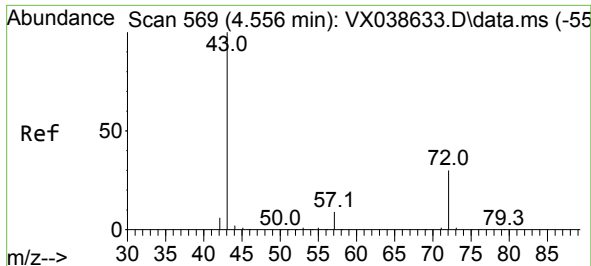


#21
trans-1,2-Dichloroethene
Concen: 0.271 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.007 min
Lab File: VX038677.D
Acq: 09 Nov 2023 13:55

Tgt Ion: 96 Resp: 839

Ion	Ratio	Lower	Upper
96	100		
61	117.7	119.2	178.8#
98	60.7	48.7	73.1

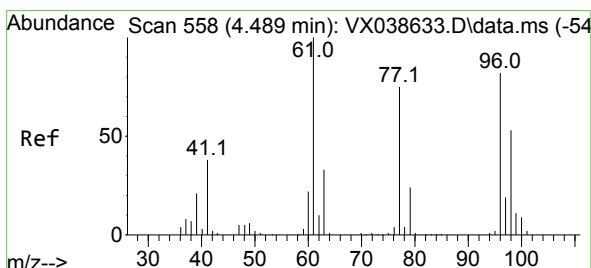
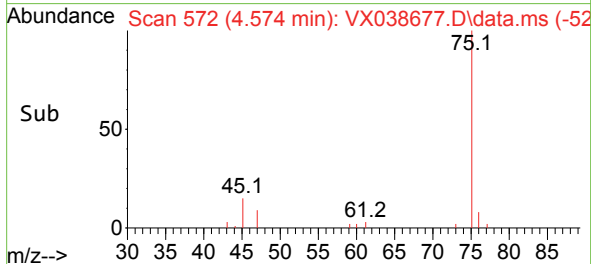
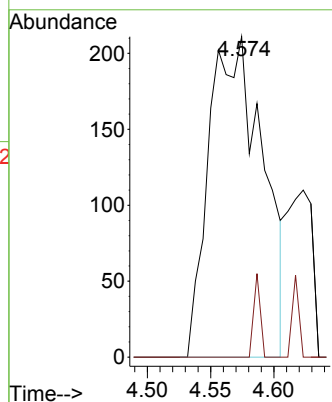
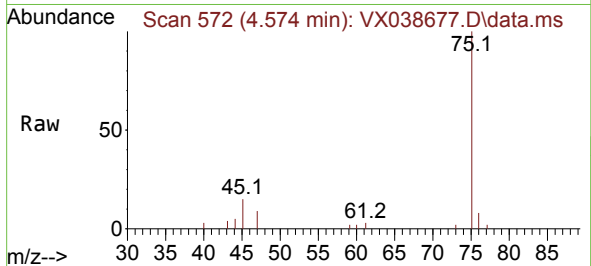




#25
2-Butanone
Concen: 0.268 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.019 min
Lab File: VX038677.D
Acq: 09 Nov 2023 13:55

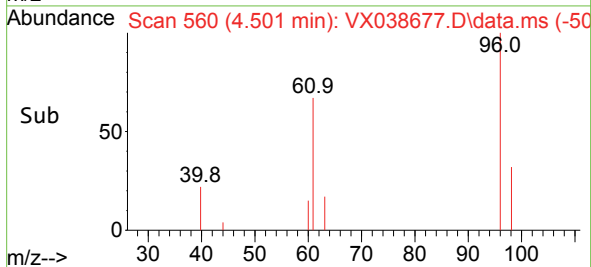
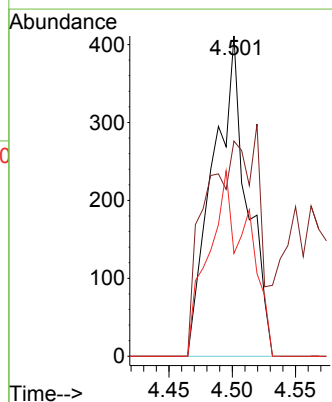
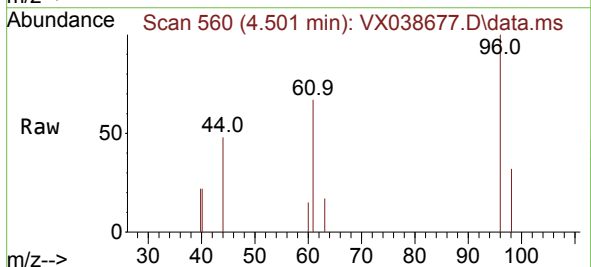
Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-2-20231031

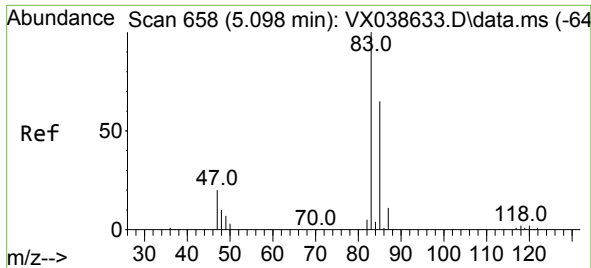
Tgt Ion: 43 Resp: 621
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#27
cis-1,2-Dichloroethene
Concen: 0.216 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.013 min
Lab File: VX038677.D
Acq: 09 Nov 2023 13:55

Tgt Ion: 96 Resp: 771
Ion Ratio Lower Upper
96 100
61 0.0 0.0 312.2
98 66.9 0.0 129.0

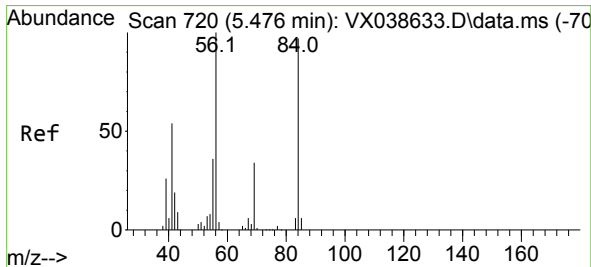
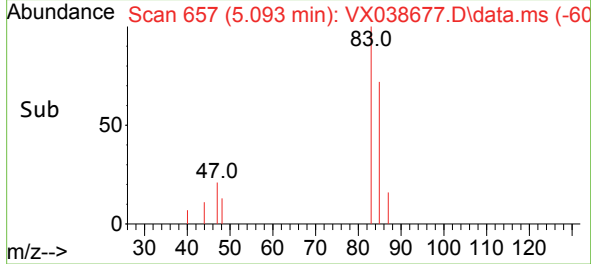
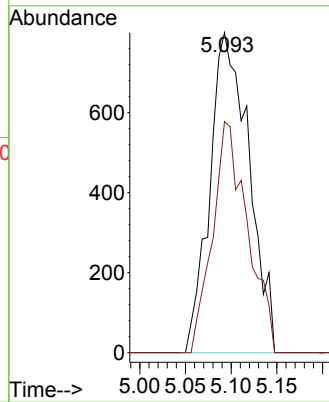
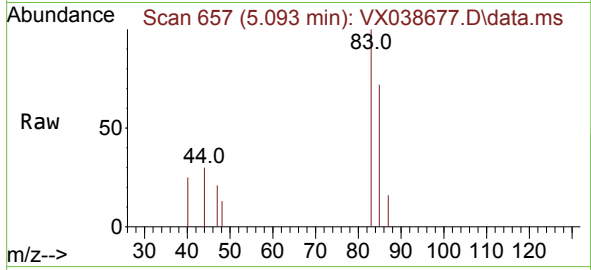




#30
Chloroform
Concen: 0.400 ug/l
RT: 5.093 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX038677.D
Acq: 09 Nov 2023 13:55

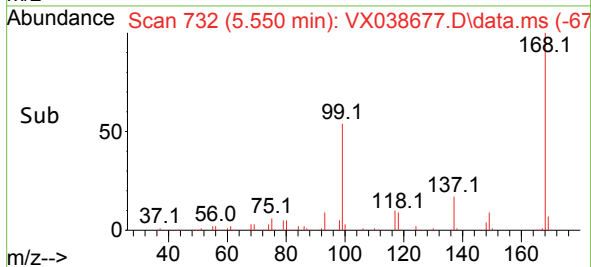
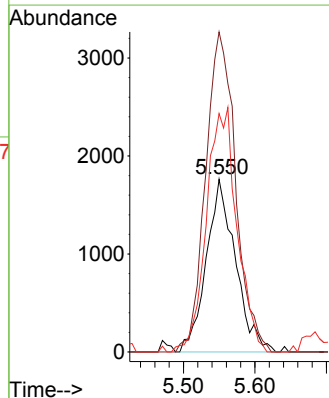
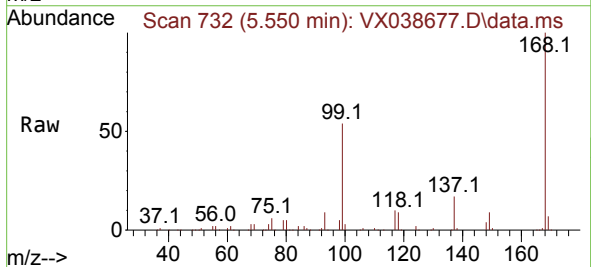
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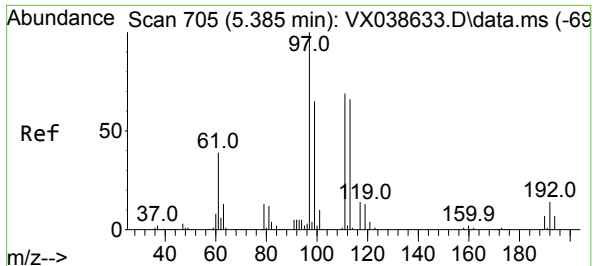
Tgt Ion: 83 Resp: 2383
Ion Ratio Lower Upper
83 100
85 72.3 50.3 75.5



#31
Cyclohexane
Concen: 1.186 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.074 min
Lab File: VX038677.D
Acq: 09 Nov 2023 13:55

Tgt Ion: 56 Resp: 4976
Ion Ratio Lower Upper
56 100
69 185.4 23.4 35.2#
84 138.1 65.9 98.9#

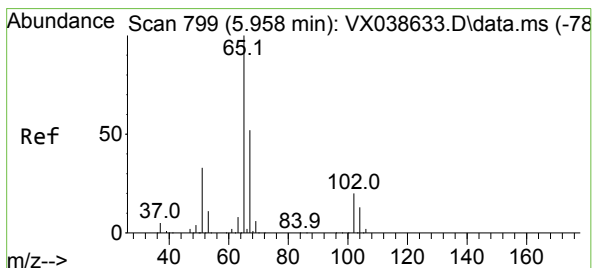
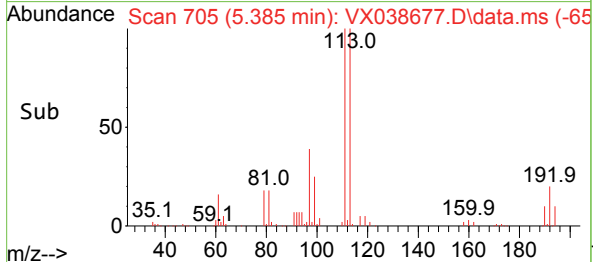
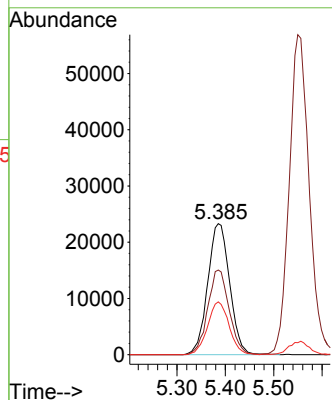
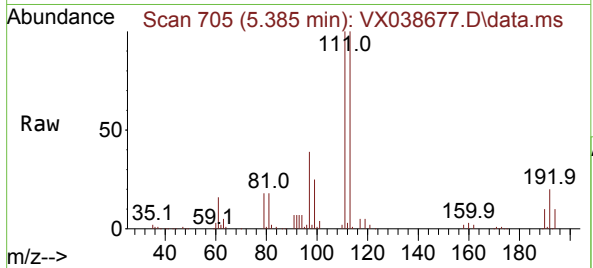




#32
1,1,1-Trichloroethane
Concen: 13.993 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038677.D
Acq: 09 Nov 2023 13:55

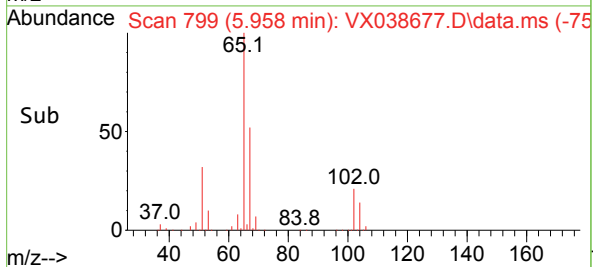
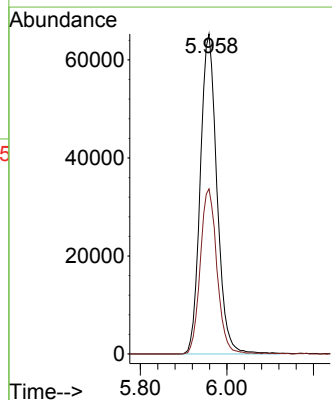
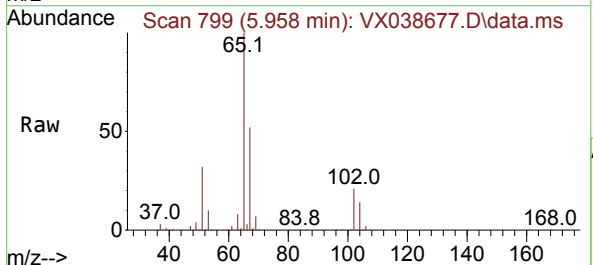
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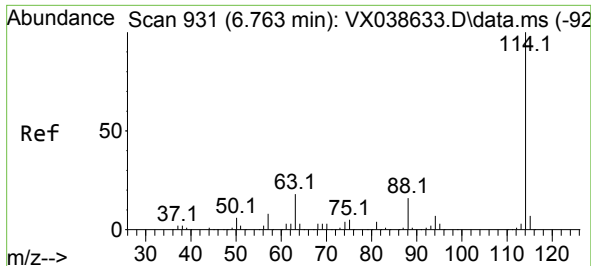
Tgt Ion: 97 Resp: 73345
Ion Ratio Lower Upper
97 100
99 63.1 51.1 76.7
61 39.6 36.4 54.6



#33
1,2-Dichloroethane-d4
Concen: 46.007 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038677.D
Acq: 09 Nov 2023 13:55

Tgt Ion: 65 Resp: 174444
Ion Ratio Lower Upper
65 100
67 51.6 0.0 100.2

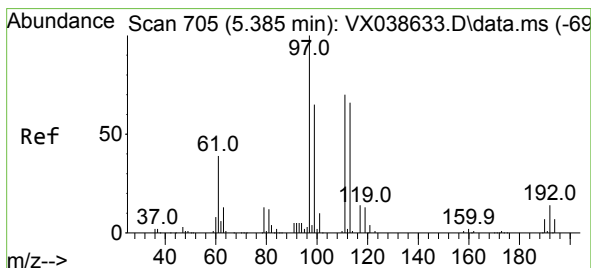
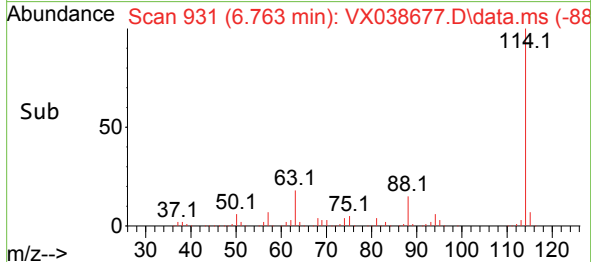
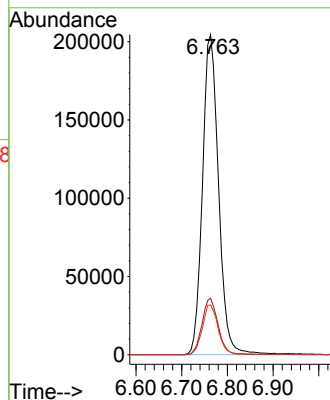
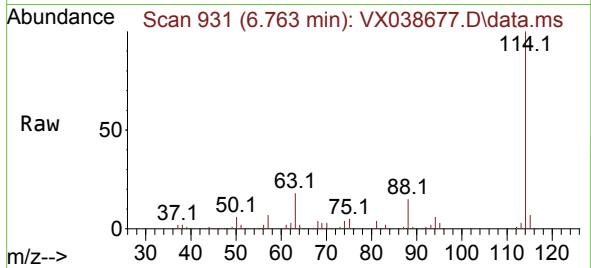




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX038677.D
Acq: 09 Nov 2023 13:55

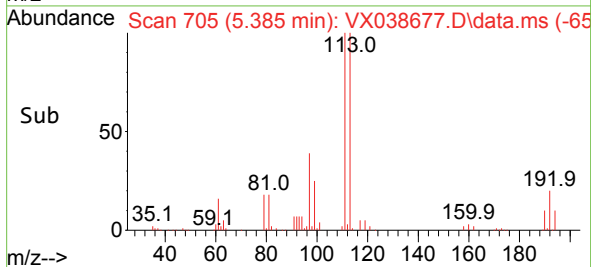
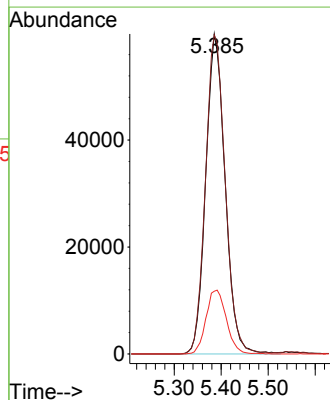
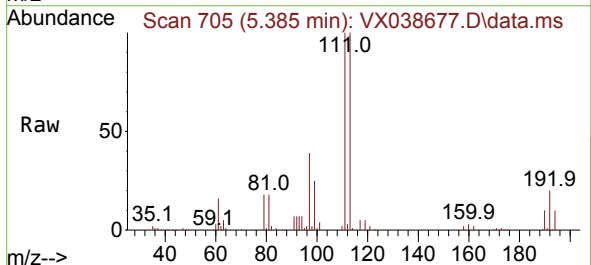
Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-2-20231031

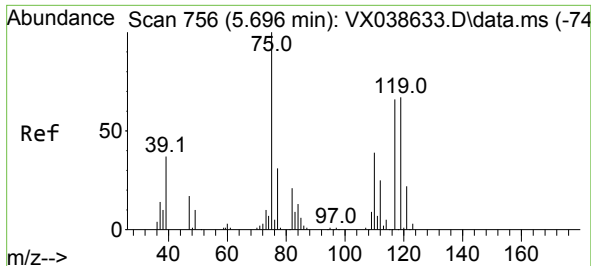
Tgt Ion:114 Resp: 499309
Ion Ratio Lower Upper
114 100
63 17.7 0.0 45.0
88 15.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.594 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038677.D
Acq: 09 Nov 2023 13:55

Tgt Ion:113 Resp: 171156
Ion Ratio Lower Upper
113 100
111 101.9 82.9 124.3
192 21.0 13.3 19.9#

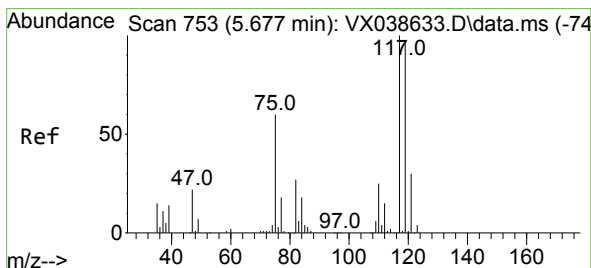
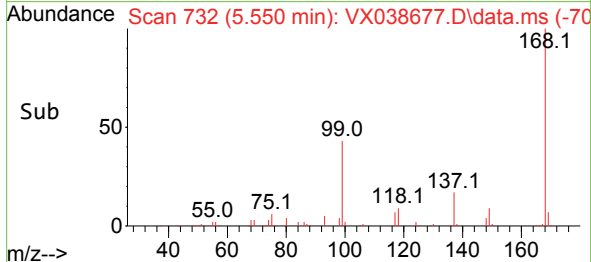
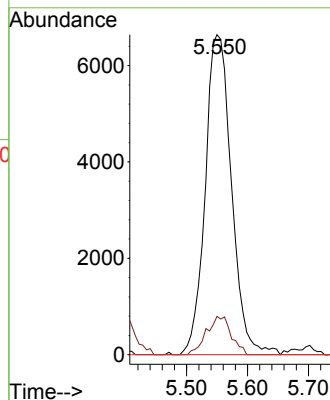
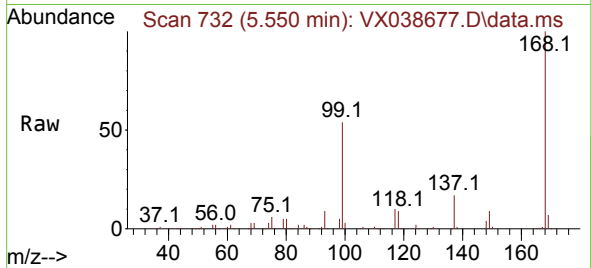




#36
1,1-Dichloropropene
Concen: 4.453 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX038677.D
Acq: 09 Nov 2023 13:55

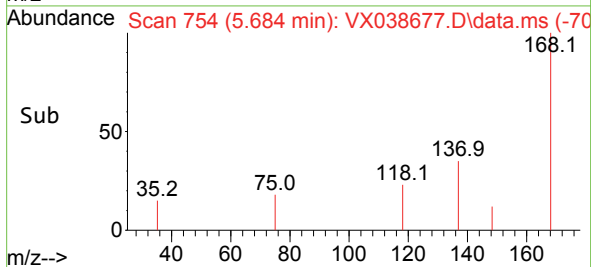
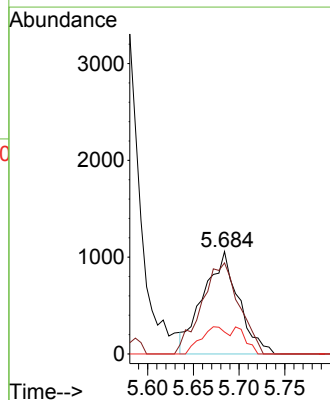
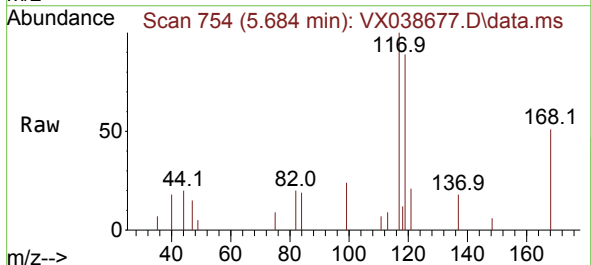
Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-2-20231031

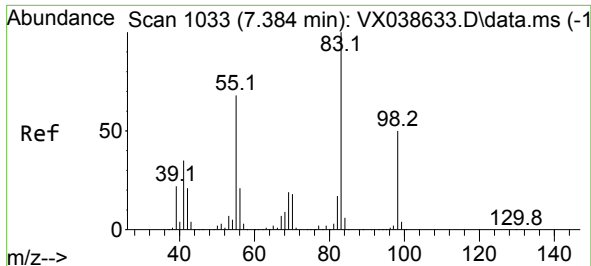
Tgt Ion: 75 Resp: 19893
Ion Ratio Lower Upper
75 100
110 11.3 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 0.568 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.007 min
Lab File: VX038677.D
Acq: 09 Nov 2023 13:55

Tgt Ion: 117 Resp: 2836
Ion Ratio Lower Upper
117 100
119 88.9 78.2 117.2
121 21.5 24.4 36.6#

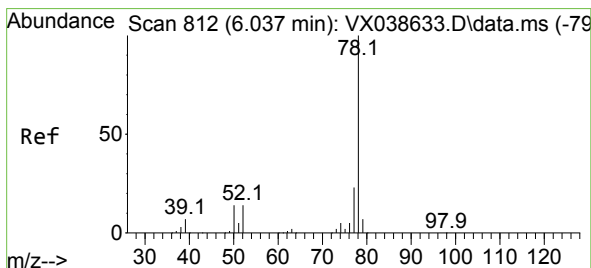
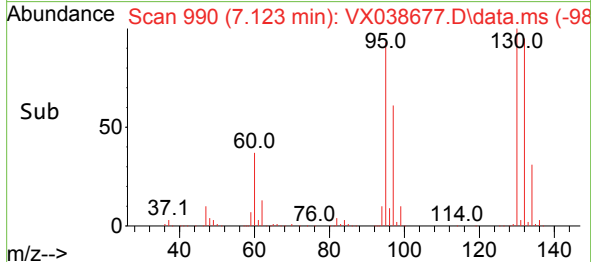
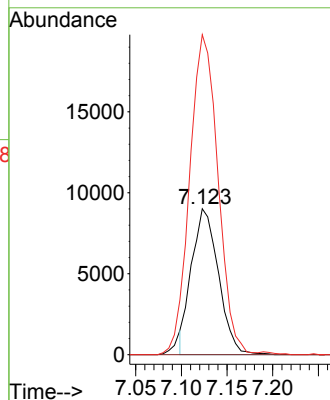
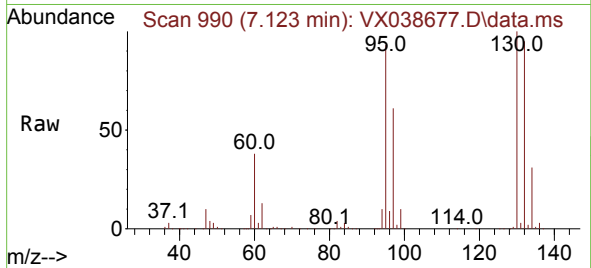




#39
Methylcyclohexane
Concen: 3.303 ug/l
RT: 7.123 min Scan# 91
Delta R.T. -0.262 min
Lab File: VX038677.D
Acq: 09 Nov 2023 13:55

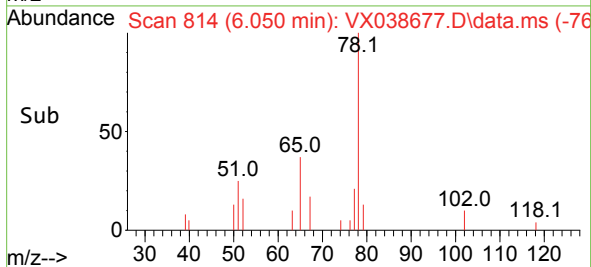
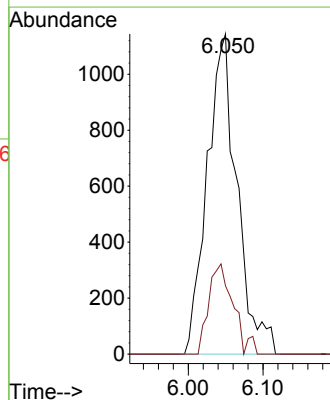
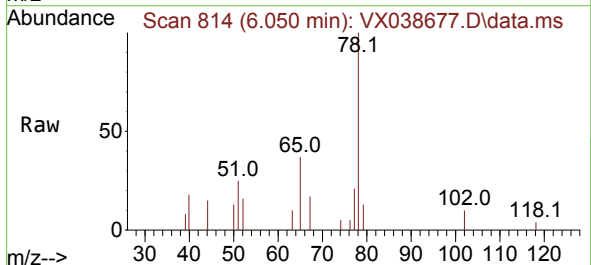
Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-2-20231031

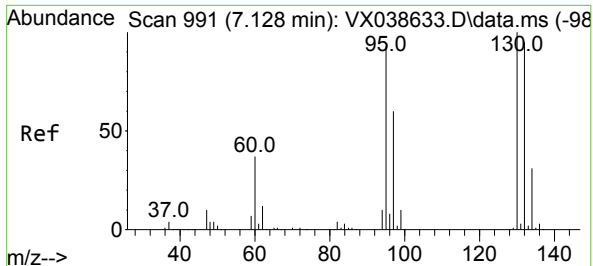
Tgt Ion: 83 Resp: 18446
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 218.7 36.7 55.1#



#40
Benzene
Concen: 0.247 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.013 min
Lab File: VX038677.D
Acq: 09 Nov 2023 13:55

Tgt Ion: 78 Resp: 3176
Ion Ratio Lower Upper
78 100
77 21.3 19.3 28.9

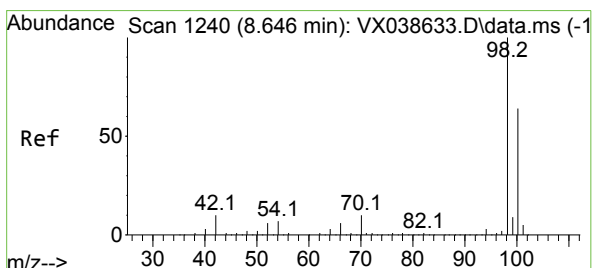
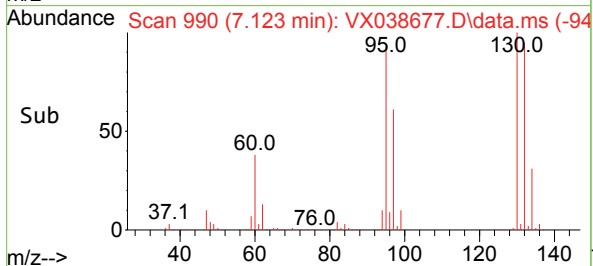
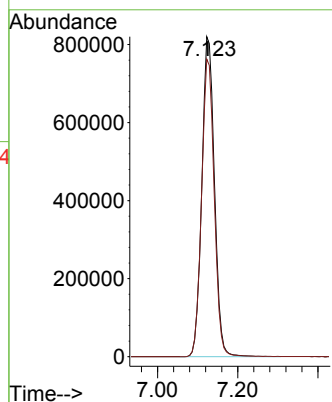
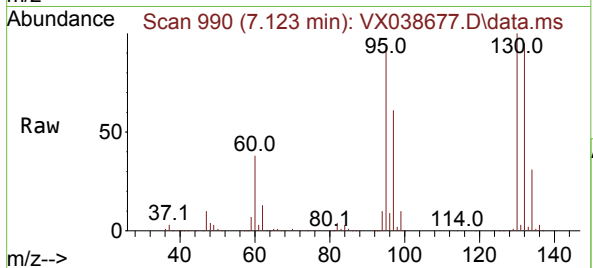




#44
Trichloroethene
Concen: 445.817 ug/l
RT: 7.123 min Scan# 991
Delta R.T. -0.006 min
Lab File: VX038677.D
Acq: 09 Nov 2023 13:55

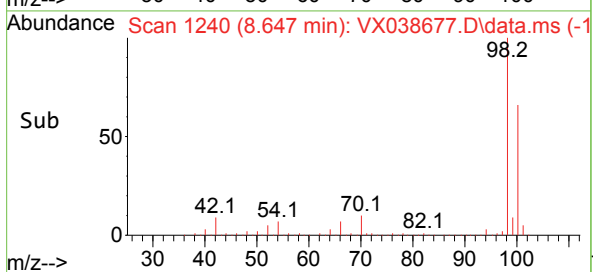
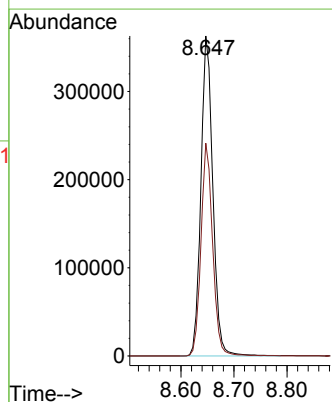
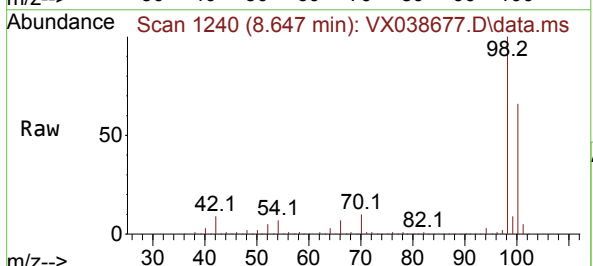
Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-2-20231031

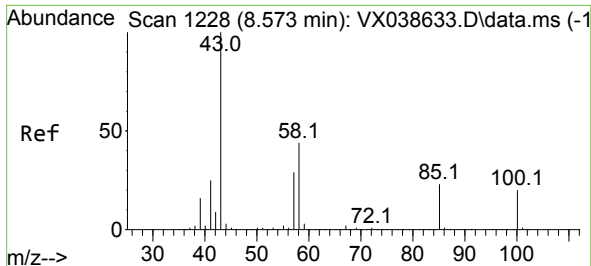
Tgt Ion:130 Resp: 1784756
Ion Ratio Lower Upper
130 100
95 93.0 0.0 204.4



#50
Toluene-d8
Concen: 44.078 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX038677.D
Acq: 09 Nov 2023 13:55

Tgt Ion: 98 Resp: 567224
Ion Ratio Lower Upper
98 100
100 65.3 53.1 79.7

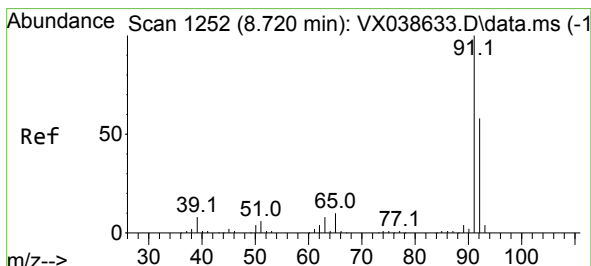
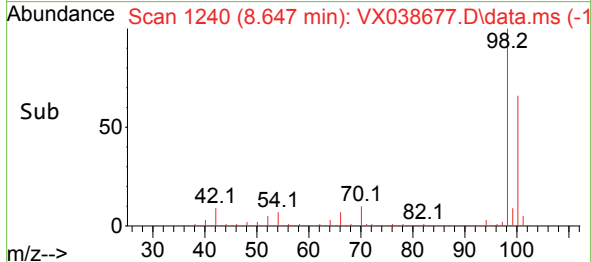
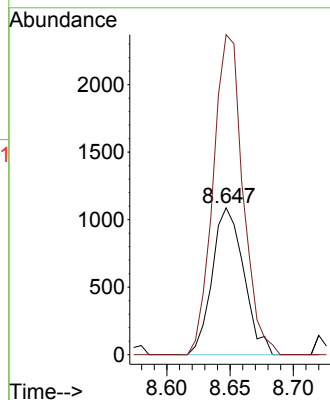
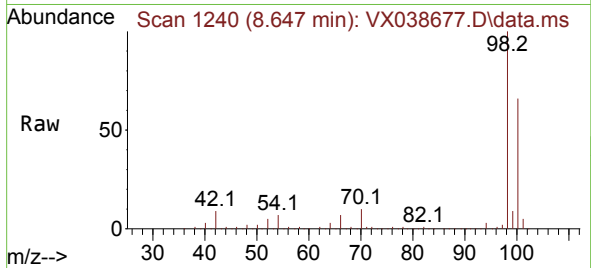




#51
4-Methyl-2-Pentanone
Concen: 0.413 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.074 min
Lab File: VX038677.D
Acq: 09 Nov 2023 13:55

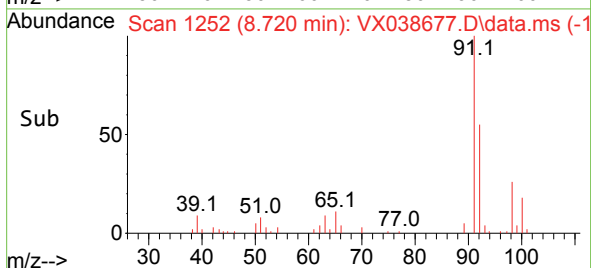
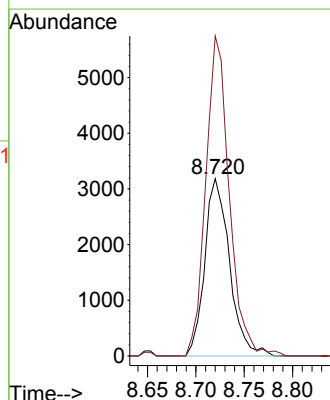
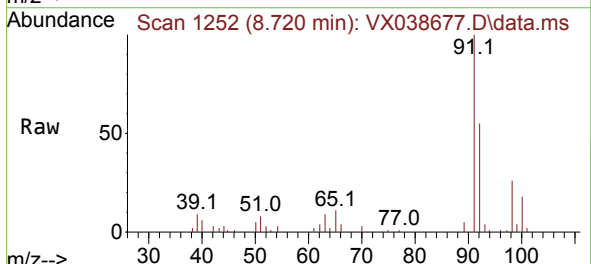
Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-2-20231031

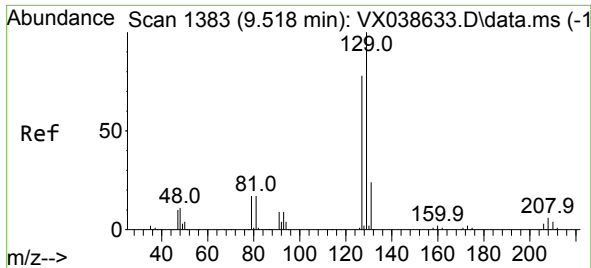
Tgt Ion: 43 Resp: 1886
Ion Ratio Lower Upper
43 100
58 206.1 30.4 45.6#



#52
Toluene
Concen: 0.673 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX038677.D
Acq: 09 Nov 2023 13:55

Tgt Ion: 92 Resp: 5674
Ion Ratio Lower Upper
92 100
91 171.2 134.2 201.2

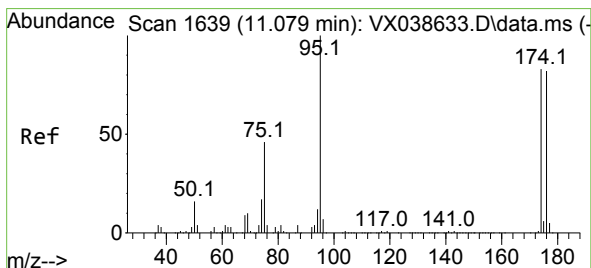
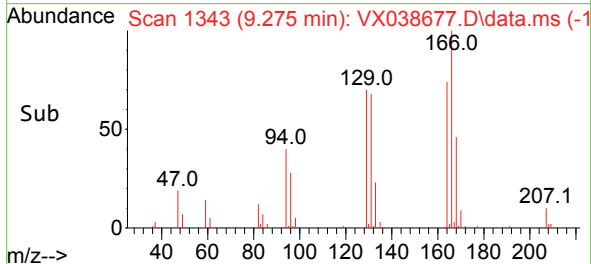
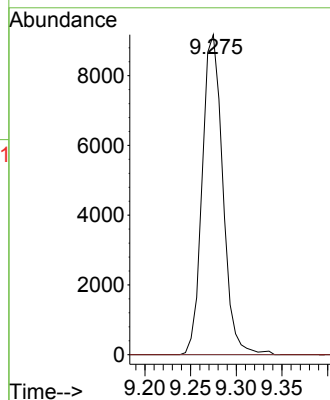
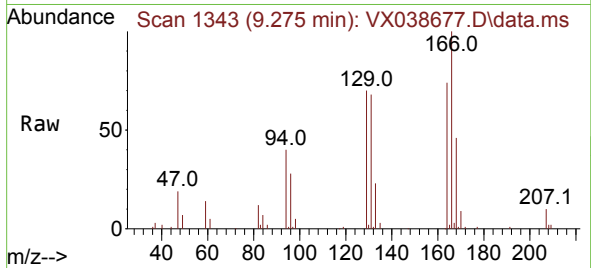




#60
Dibromochloromethane
Concen: 3.573 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.243 min
Lab File: VX038677.D
Acq: 09 Nov 2023 13:55

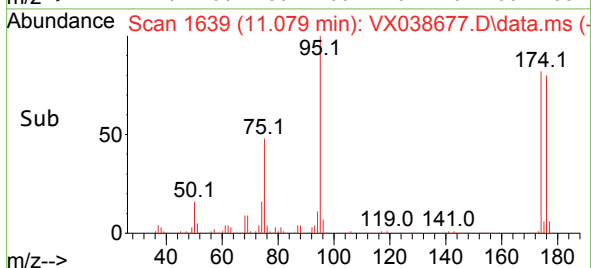
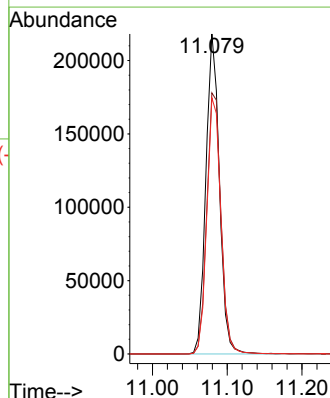
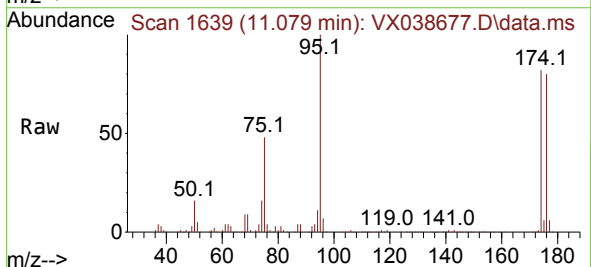
Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-2-20231031

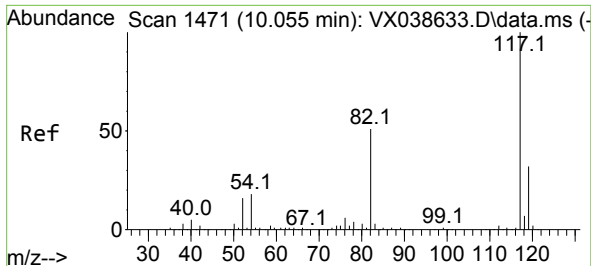
Tgt Ion:129 Resp: 14344
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 54.891 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038677.D
Acq: 09 Nov 2023 13:55

Tgt Ion: 95 Resp: 273865
Ion Ratio Lower Upper
95 100
174 86.2 0.0 135.6
176 82.9 0.0 131.0

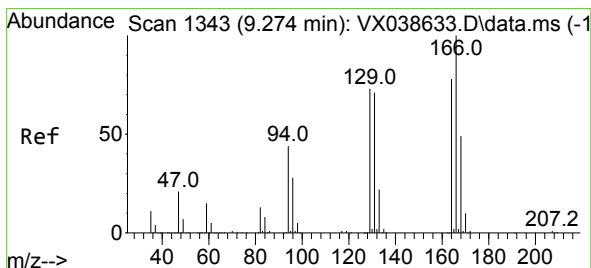
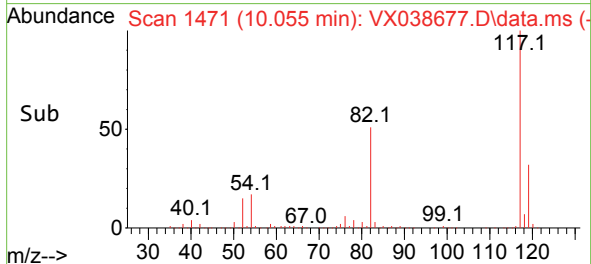
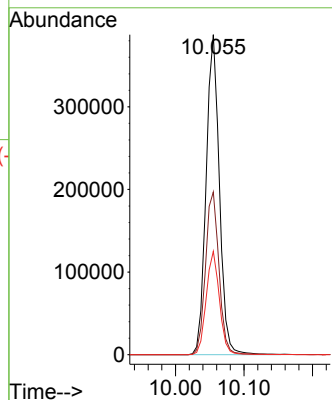
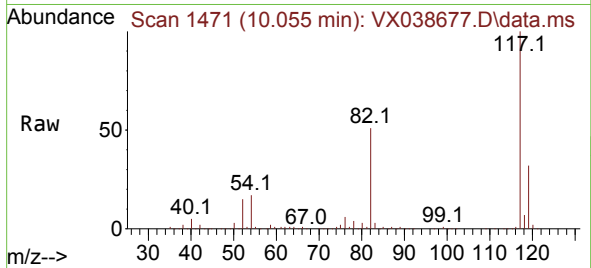




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038677.D
Acq: 09 Nov 2023 13:55

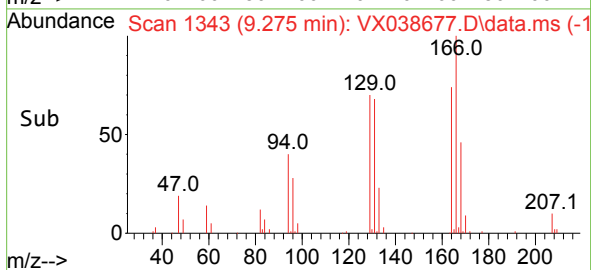
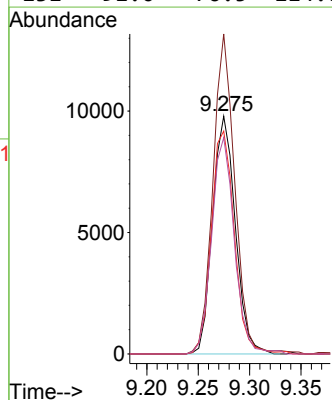
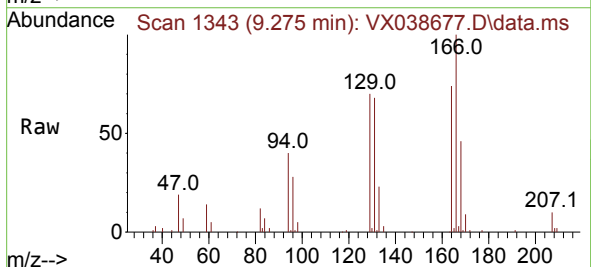
Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-2-20231031

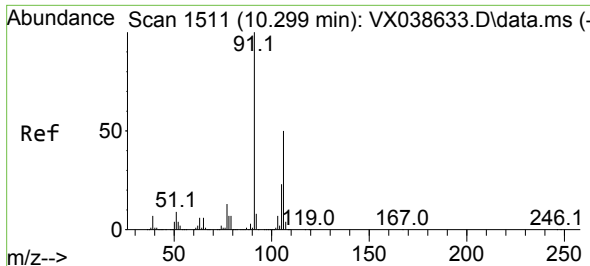
Tgt Ion:117 Resp: 522219
Ion Ratio Lower Upper
117 100
82 50.9 46.2 69.4
119 32.3 25.5 38.3



#64
Tetrachloroethene
Concen: 3.863 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX038677.D
Acq: 09 Nov 2023 13:55

Tgt Ion:164 Resp: 15100
Ion Ratio Lower Upper
164 100
166 134.5 102.7 154.1
129 93.7 80.4 120.6
131 91.0 76.5 114.7

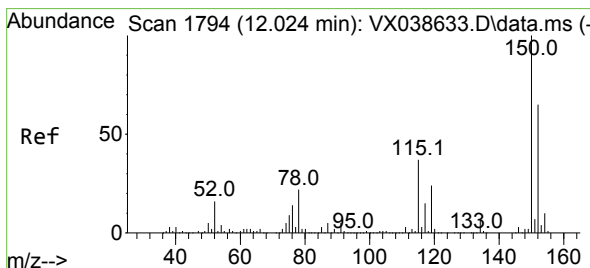
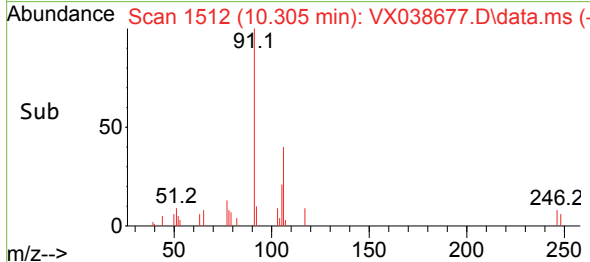
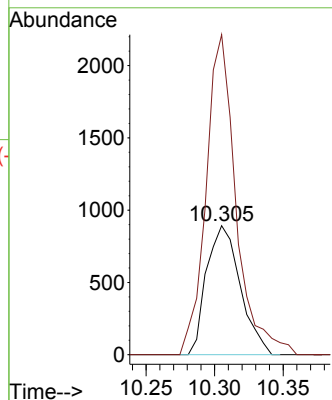
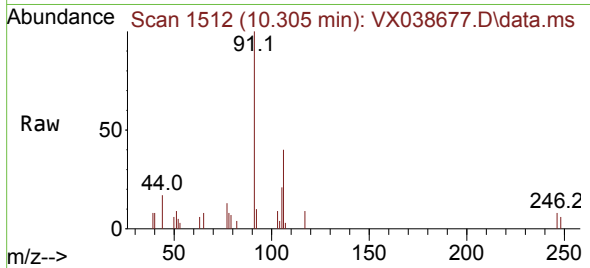




#68
m/p-Xylenes
Concen: 0.214 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX038677.D
Acq: 09 Nov 2023 13:55

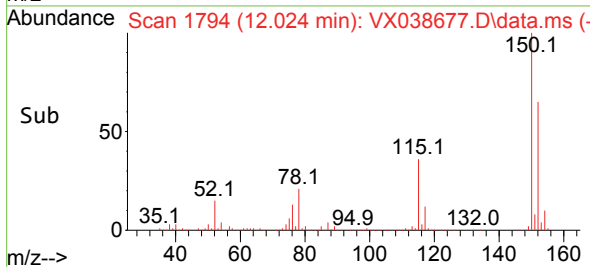
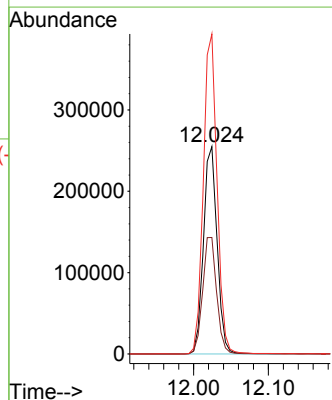
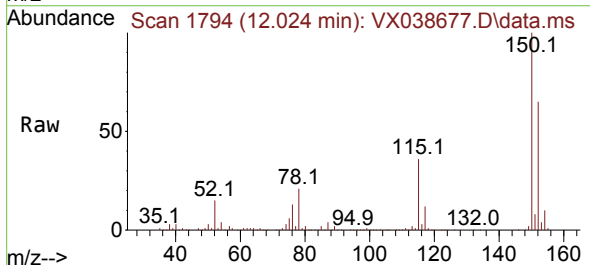
Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-2-20231031

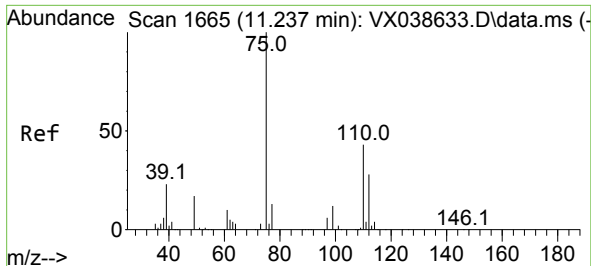
Tgt Ion:106 Resp: 1526
Ion Ratio Lower Upper
106 100
91 221.0 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX038677.D
Acq: 09 Nov 2023 13:55

Tgt Ion:152 Resp: 323163
Ion Ratio Lower Upper
152 100
115 57.8 43.3 129.9
150 155.3 0.0 345.0

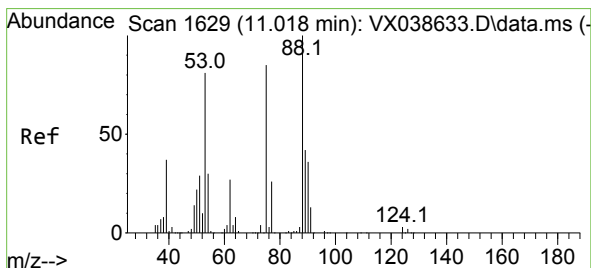
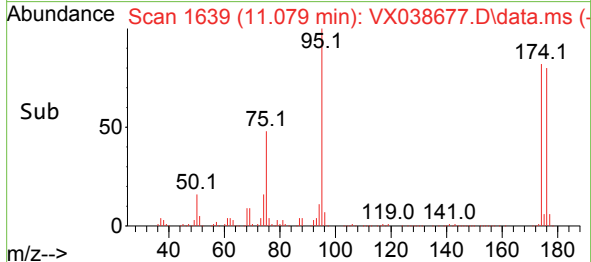
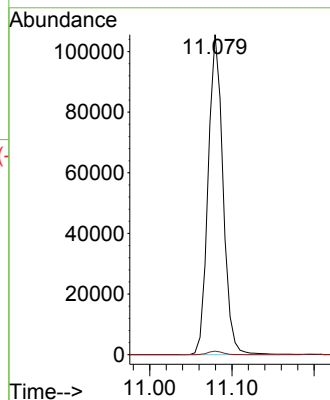
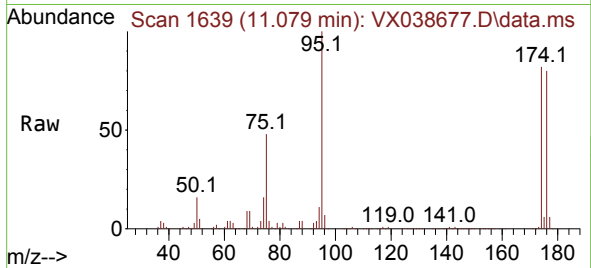




#76
1,2,3-Trichloropropane
Concen: 20.698 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX038677.D
Acq: 09 Nov 2023 13:55

Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-2-20231031

Tgt Ion: 75 Resp: 132474
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.019 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX038677.D
Acq: 09 Nov 2023 13:55

Tgt Ion: 75 Resp: 132474
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

