

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110923\
 Data File : VX038707.D
 Acq On : 10 Nov 2023 06:12
 Operator : JC/MD
 Sample : 05241-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-EVAL-01D-20231102

Quant Time: Nov 10 16:42:57 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)

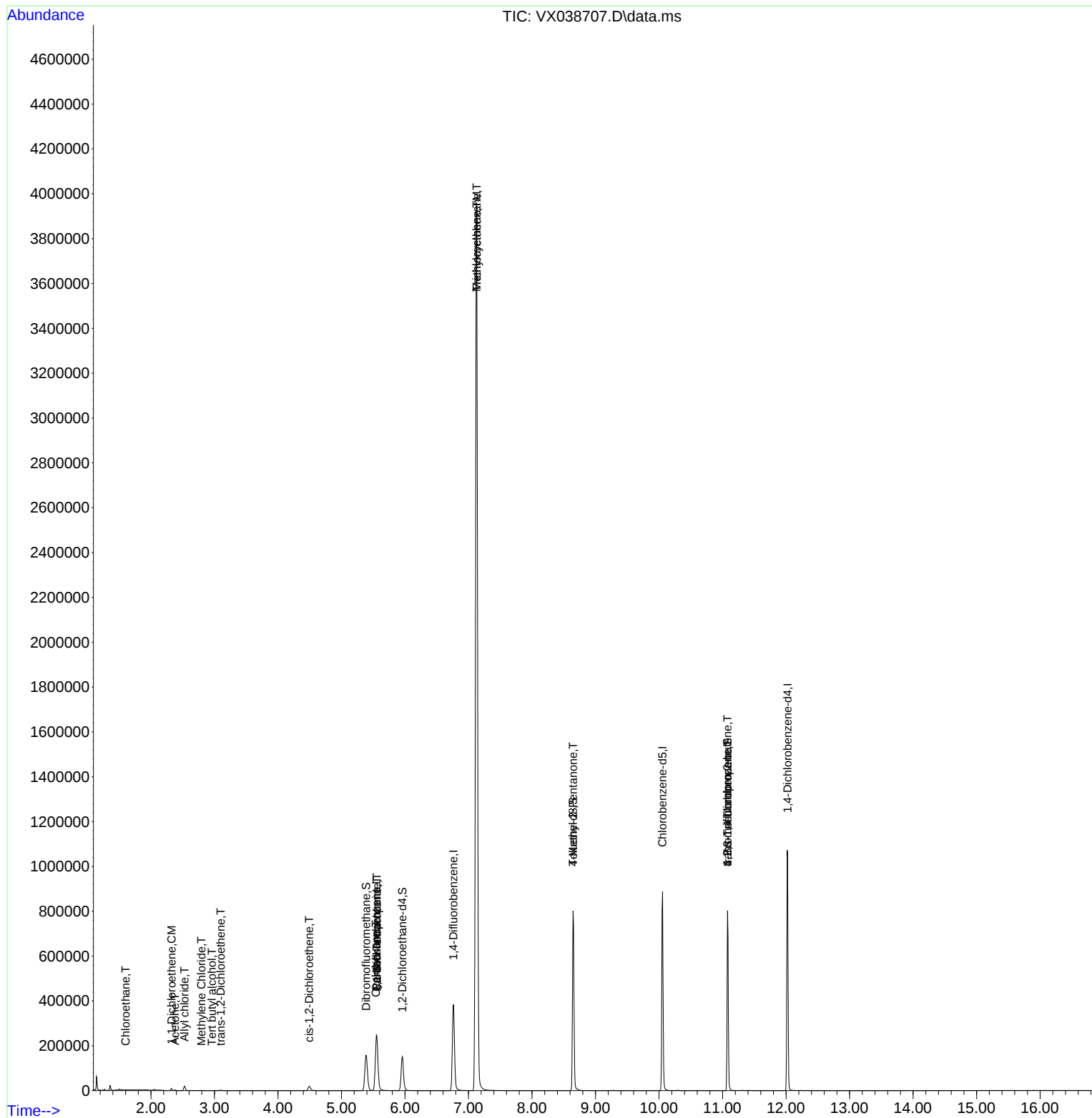
Internal Standards						
1) Pentafluorobenzene	5.550	168	257546	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	433092	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	449330	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	255796	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	150342	46.889	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	93.780%	
35) Dibromofluoromethane	5.385	113	143054	45.862	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	91.720%	
50) Toluene-d8	8.647	98	513214	45.979	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	91.960%#	
62) 4-Bromofluorobenzene	11.079	95	218050	50.386	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	100.780%	
Target Compounds						
						Qvalue
6) Chloroethane	1.599	64	445	0.286	ug/l	# 43
11) Tert butyl alcohol	2.959	59	352	0.537	ug/l	# 78
12) 1,1-Dichloroethene	2.325	96	3252	1.353	ug/l	# 76
14) Allyl chloride	2.526	41	2006	0.583	ug/l	# 67
16) Acetone	2.380	43	3560	2.636	ug/l	96
20) Methylene Chloride	2.794	84	628	0.231	ug/l	# 70
21) trans-1,2-Dichloroethene	3.099	96	1398	0.534	ug/l	91
27) cis-1,2-Dichloroethene	4.489	96	13087	4.331	ug/l	75
31) Cyclohexane	5.544	56	3876	1.092	ug/l	# 1
36) 1,1-Dichloropropene	5.556	75	16795	4.335	ug/l	# 52
38) Carbon Tetrachloride	5.556	117	24773	5.719	ug/l	# 15
39) Methylcyclohexane	7.129	83	17437	3.599	ug/l	# 1
44) Trichloroethene	7.129	130	1658495	477.619	ug/l	90
51) 4-Methyl-2-Pentanone	8.647	43	1849	0.467	ug/l	# 1
76) 1,2,3-Trichloropropane	11.079	75	104370	20.602	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	104370	62.759	ug/l	# 5

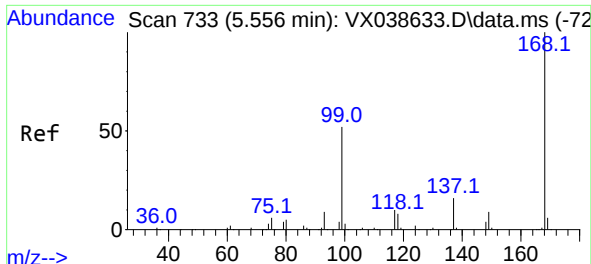
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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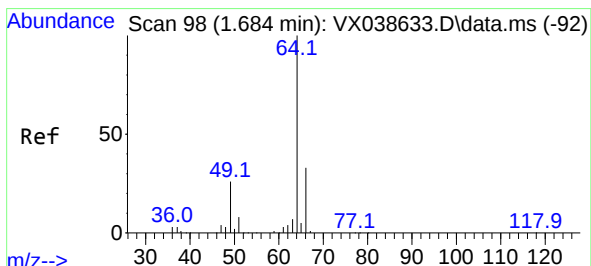
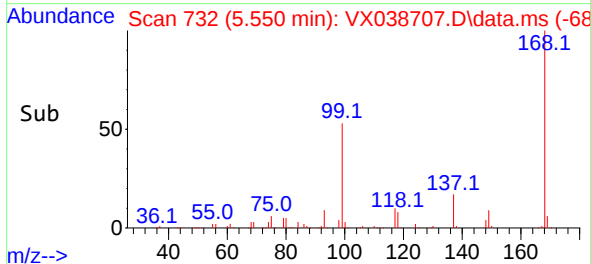
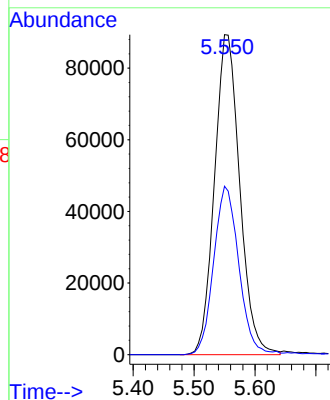
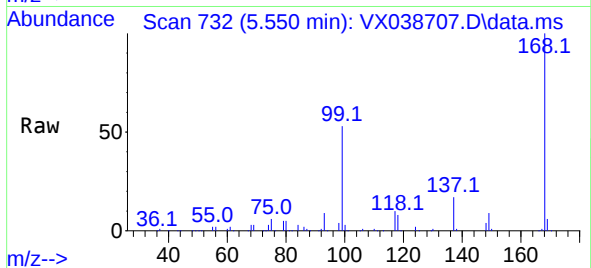




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX038707.D
Acq: 10 Nov 2023 06:12

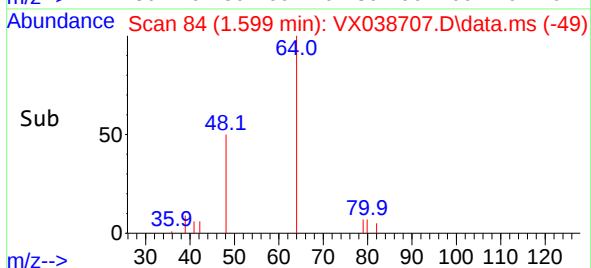
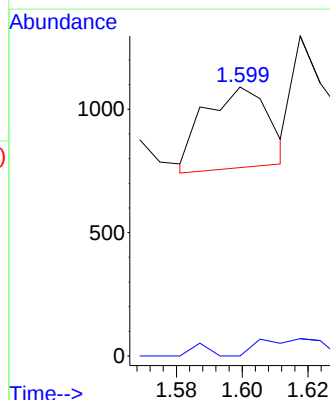
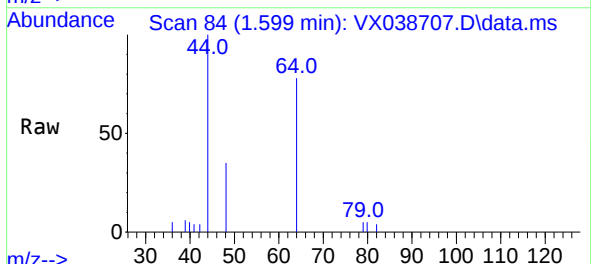
Instrument :
MSVOA_X
ClientSampleId :
FSND-EVAL-01D-20231102

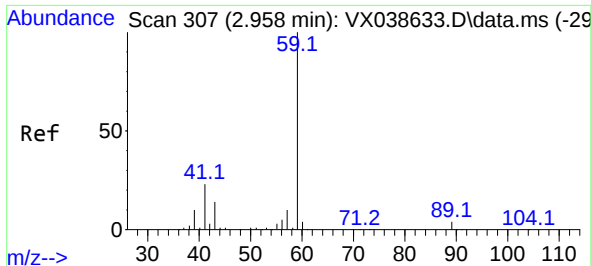
Tgt Ion:168 Resp: 257546
Ion Ratio Lower Upper
168 100
99 52.7 56.6 85.0#



#6
Chloroethane
Concen: 0.286 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.085 min
Lab File: VX038707.D
Acq: 10 Nov 2023 06:12

Tgt Ion: 64 Resp: 445
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 0.537 ug/l

RT: 2.959 min Scan# 307

Delta R.T. 0.000 min

Lab File: VX038707.D

Acq: 10 Nov 2023 06:12

Instrument :

MSVOA_X

ClientSampleId :

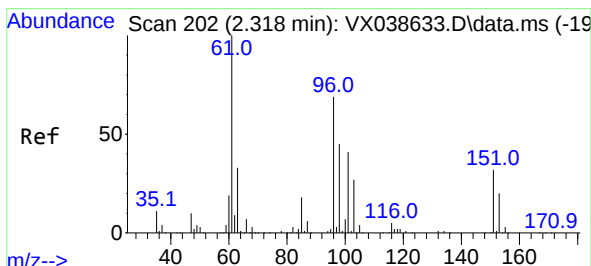
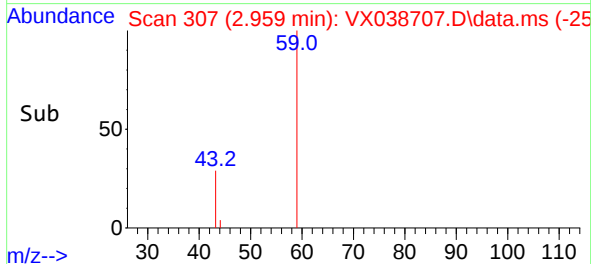
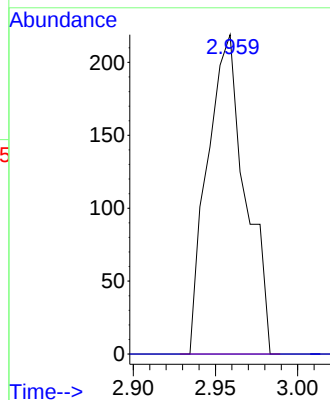
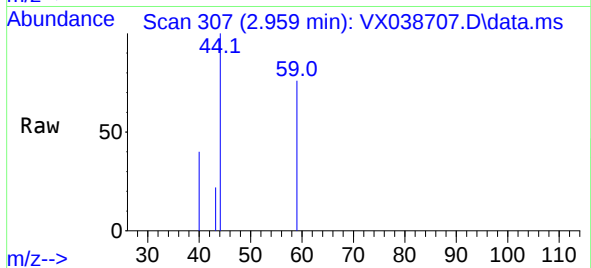
FSND-EVAL-01D-20231102

Tgt Ion: 59 Resp: 352

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#12

1,1-Dichloroethene

Concen: 1.353 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.007 min

Lab File: VX038707.D

Acq: 10 Nov 2023 06:12

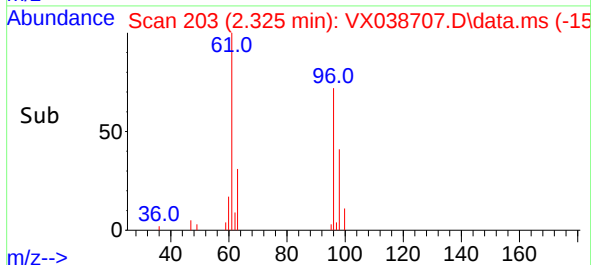
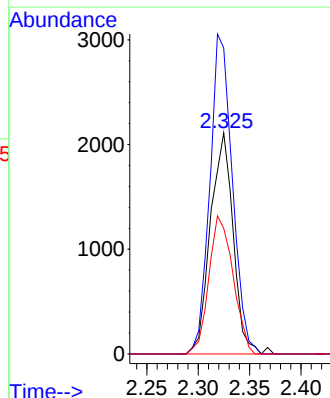
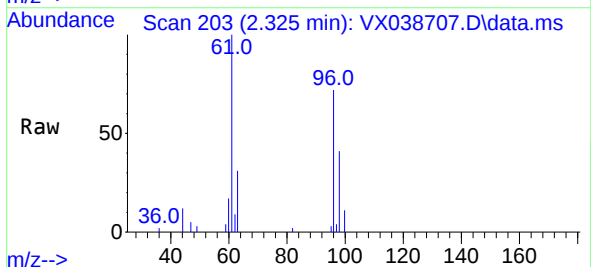
Tgt Ion: 96 Resp: 3252

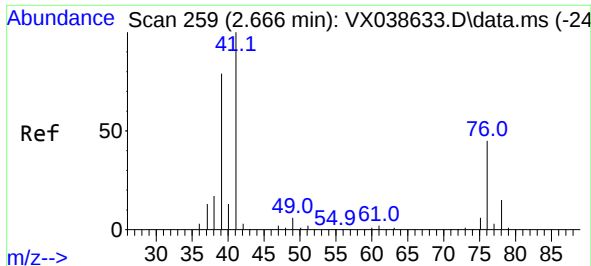
Ion Ratio Lower Upper

96 100

61 138.3 144.6 216.8#

98 56.8 50.4 75.6

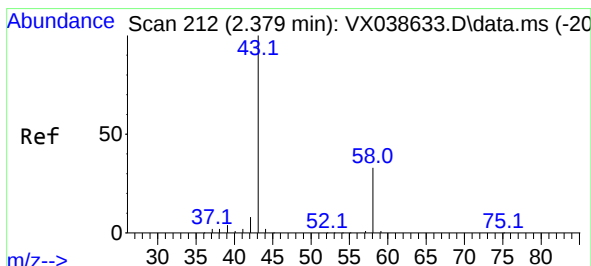
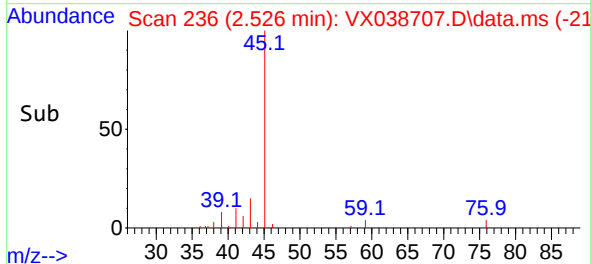
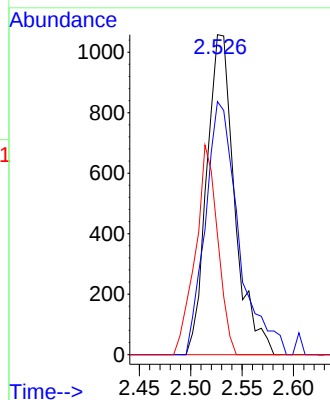
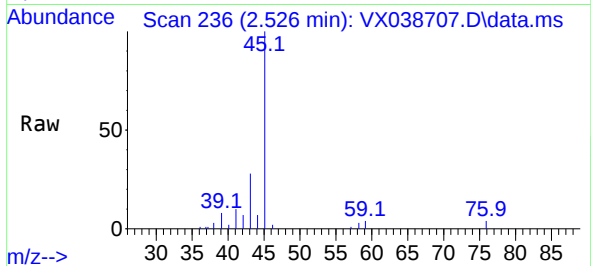




#14
 Allyl chloride
 Concen: 0.583 ug/l
 RT: 2.526 min Scan# 21
 Delta R.T. -0.140 min
 Lab File: VX038707.D
 Acq: 10 Nov 2023 06:12

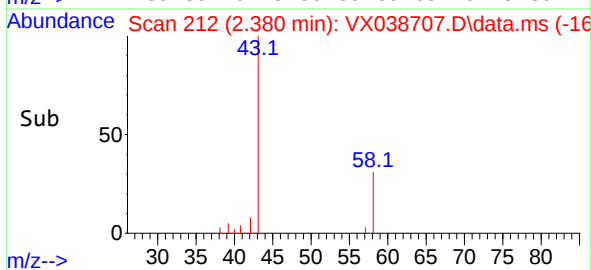
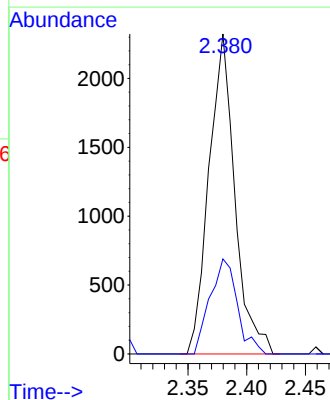
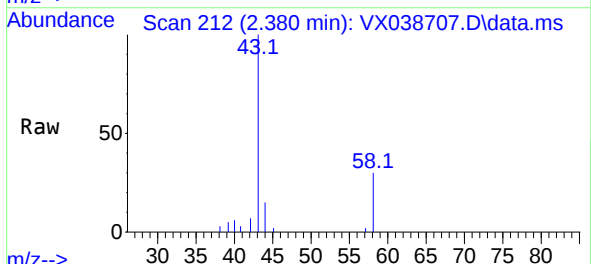
Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-EVAL-01D-20231102

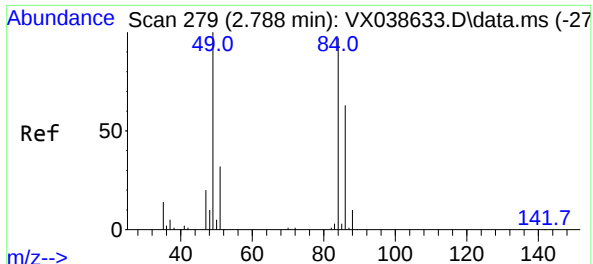
Tgt Ion: 41	Resp: 2006
Ion Ratio	Lower Upper
41 100	
39 94.1	55.8 83.6#
76 52.0	24.3 36.5#



#16
 Acetone
 Concen: 2.636 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. 0.000 min
 Lab File: VX038707.D
 Acq: 10 Nov 2023 06:12

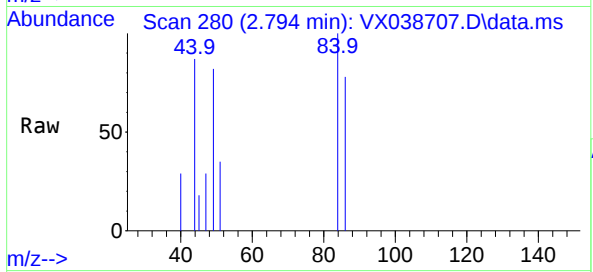
Tgt Ion: 43	Resp: 3560
Ion Ratio	Lower Upper
43 100	
58 29.7	21.9 32.9





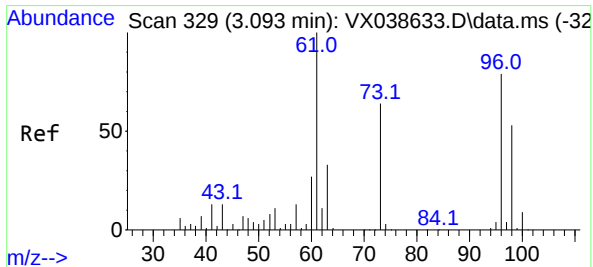
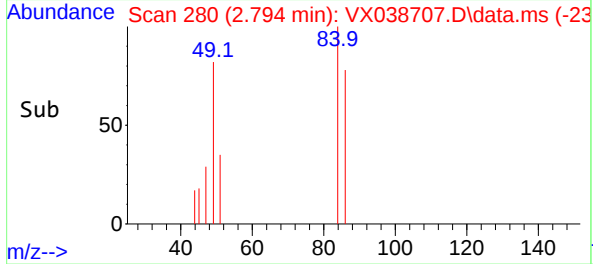
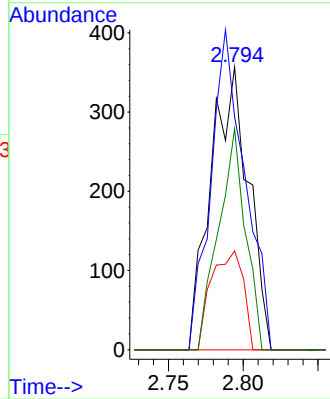
#20
Methylene Chloride
Concen: 0.231 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX038707.D
Acq: 10 Nov 2023 06:12

Instrument :
MSVOA_X
ClientSampleId :
FSND-EVAL-01D-20231102



Tgt Ion: 84 Resp: 628

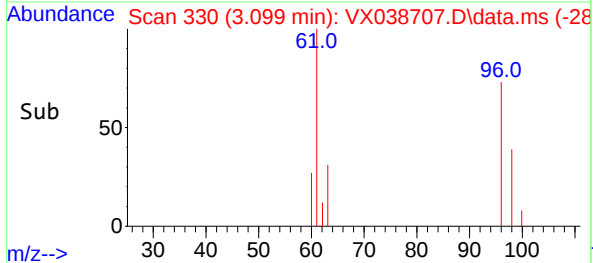
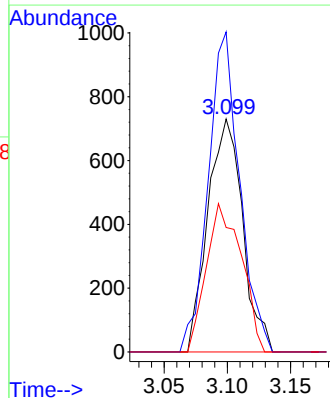
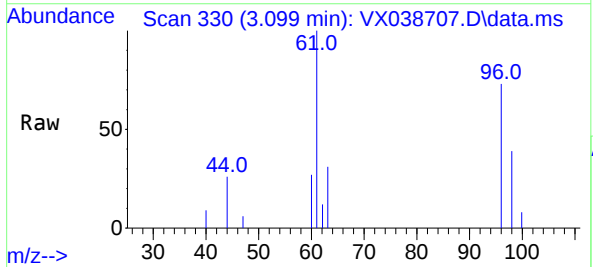
Ion	Ratio	Lower	Upper
84	100		
49	82.4	103.6	155.4#
51	35.0	33.8	50.6
86	78.2	49.4	74.0#

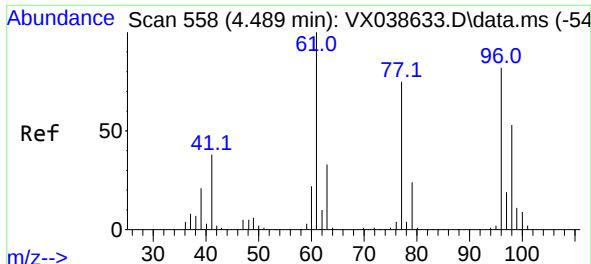


#21
trans-1,2-Dichloroethene
Concen: 0.534 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.007 min
Lab File: VX038707.D
Acq: 10 Nov 2023 06:12

Tgt Ion: 96 Resp: 1398

Ion	Ratio	Lower	Upper
96	100		
61	137.4	119.2	178.8
98	53.4	48.7	73.1

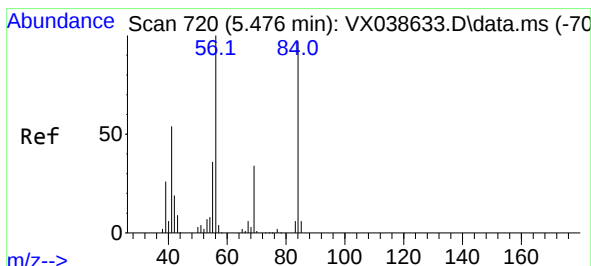
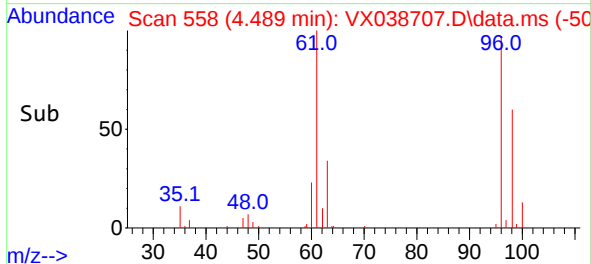
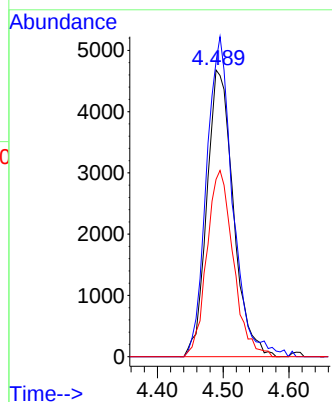
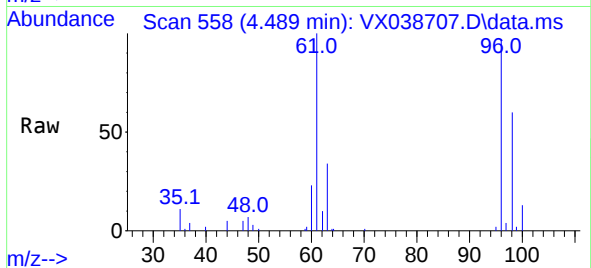




#27
cis-1,2-Dichloroethene
Concen: 4.331 ug/l
RT: 4.489 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX038707.D
Acq: 10 Nov 2023 06:12

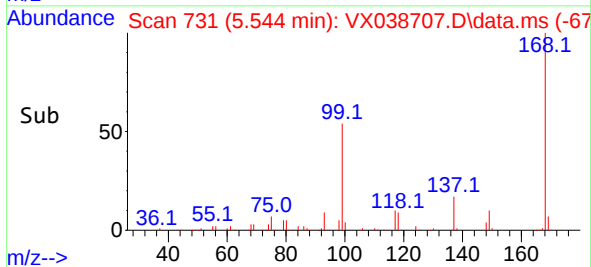
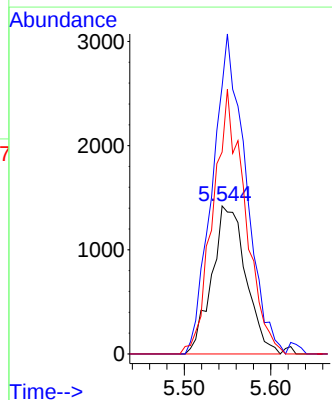
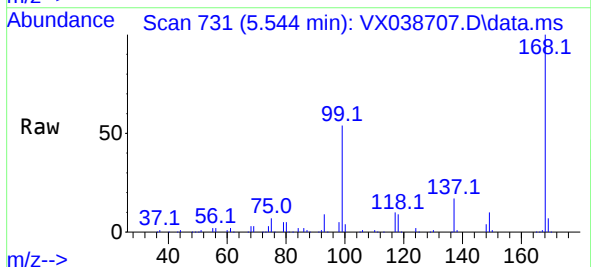
Instrument :
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ClientSampleId :
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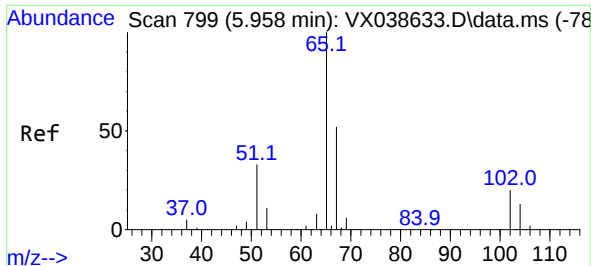
Tgt Ion: 96 Resp: 13087
Ion Ratio Lower Upper
96 100
61 111.0 0.0 312.2
98 65.1 0.0 129.0



#31
Cyclohexane
Concen: 1.092 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.067 min
Lab File: VX038707.D
Acq: 10 Nov 2023 06:12

Tgt Ion: 56 Resp: 3876
Ion Ratio Lower Upper
56 100
69 181.0 23.4 35.2#
84 136.4 65.9 98.9#

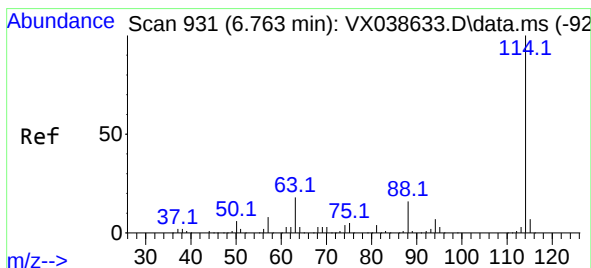
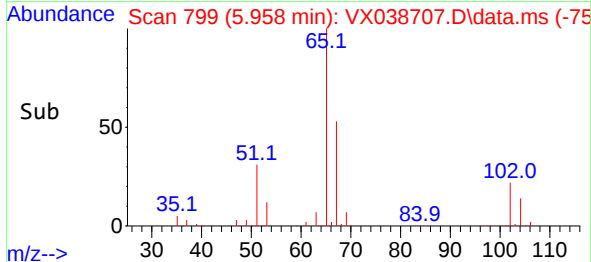
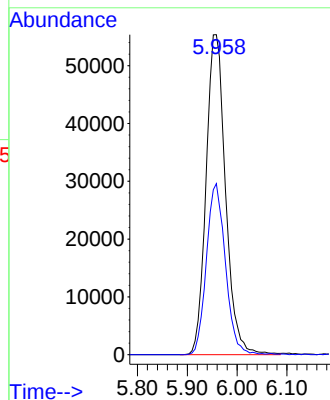
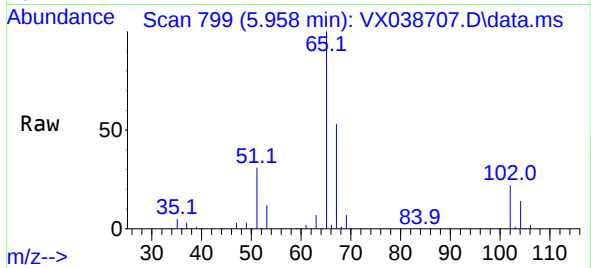




#33
1,2-Dichloroethane-d4
Concen: 46.889 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038707.D
Acq: 10 Nov 2023 06:12

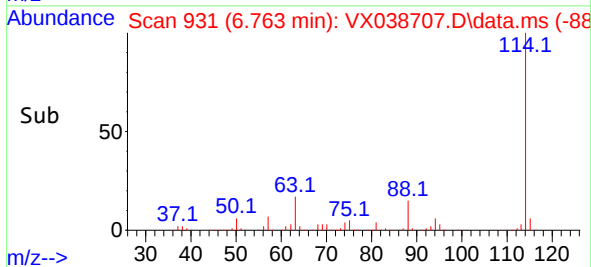
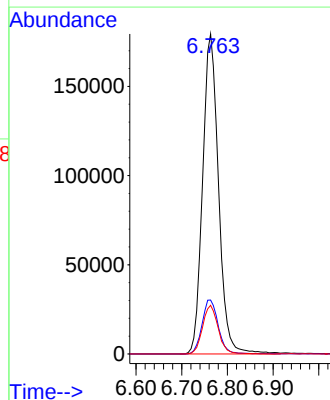
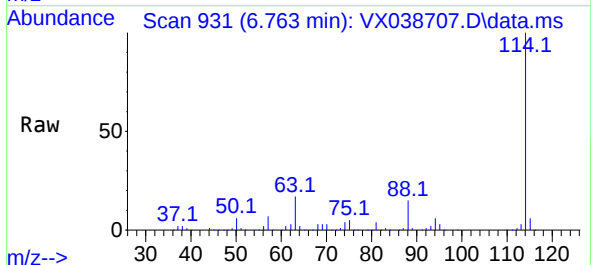
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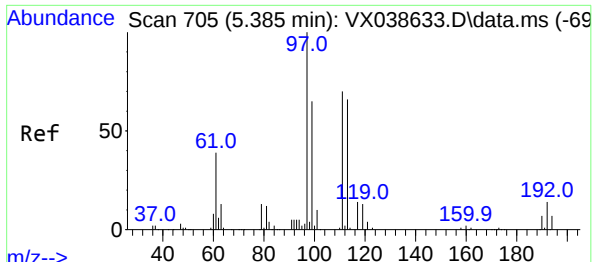
Tgt Ion: 65 Resp: 150342
Ion Ratio Lower Upper
65 100
67 52.0 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX038707.D
Acq: 10 Nov 2023 06:12

Tgt Ion:114 Resp: 433092
Ion Ratio Lower Upper
114 100
63 16.8 0.0 45.0
88 15.2 0.0 36.6

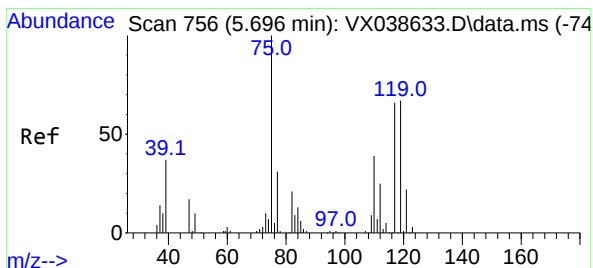
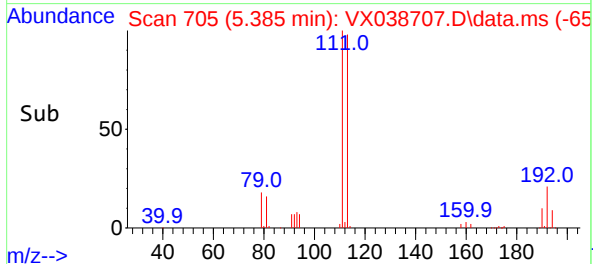
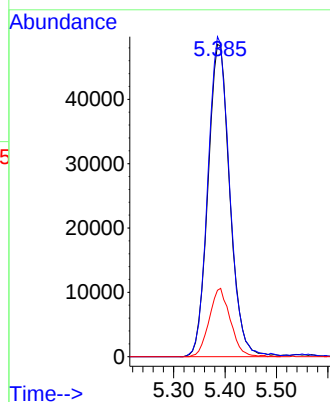
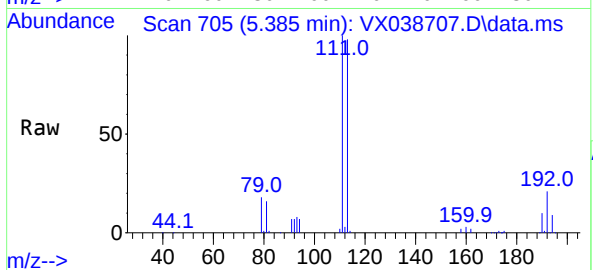




#35
Dibromofluoromethane
Concen: 45.862 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038707.D
Acq: 10 Nov 2023 06:12

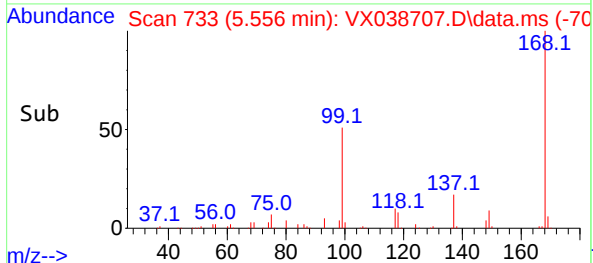
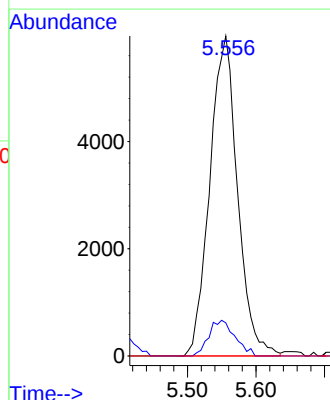
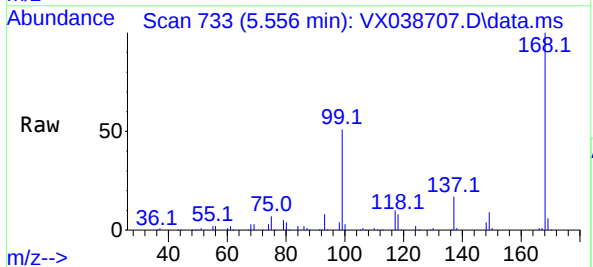
Instrument :
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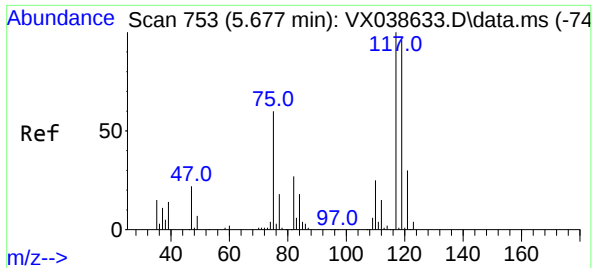
Tgt Ion:113 Resp: 143054
Ion Ratio Lower Upper
113 100
111 101.7 82.9 124.3
192 21.2 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.335 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX038707.D
Acq: 10 Nov 2023 06:12

Tgt Ion: 75 Resp: 16795
Ion Ratio Lower Upper
75 100
110 10.5 17.0 50.9#
77 0.0 24.7 37.1#

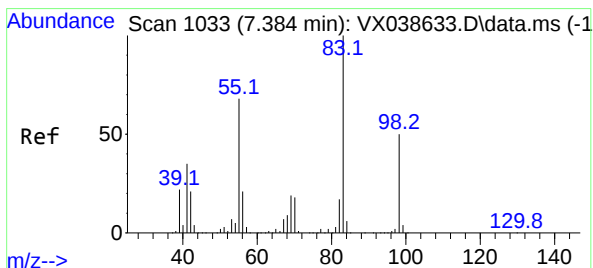
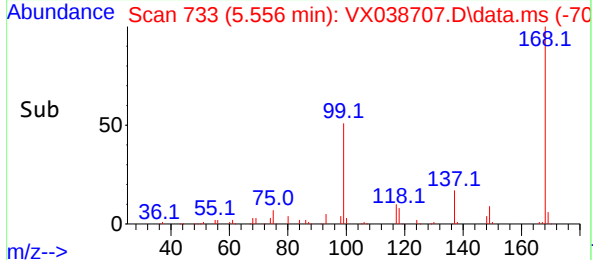
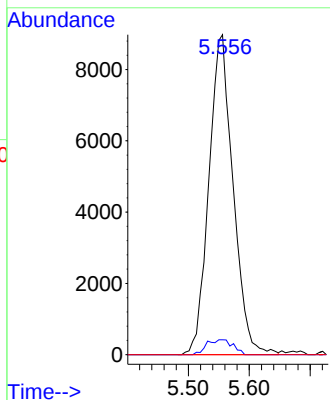
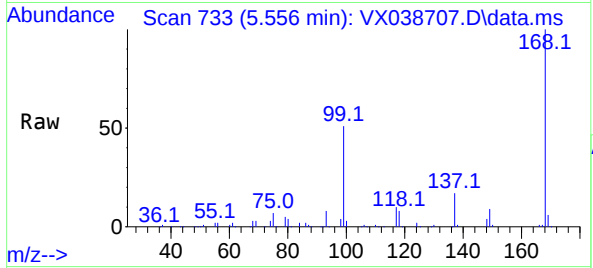




#38
Carbon Tetrachloride
Concen: 5.719 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX038707.D
Acq: 10 Nov 2023 06:12

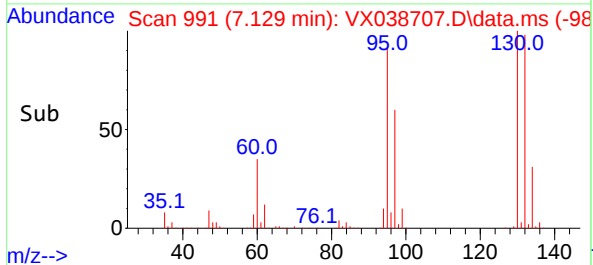
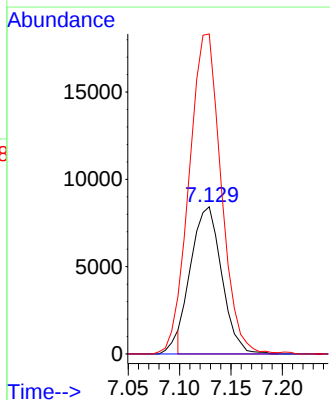
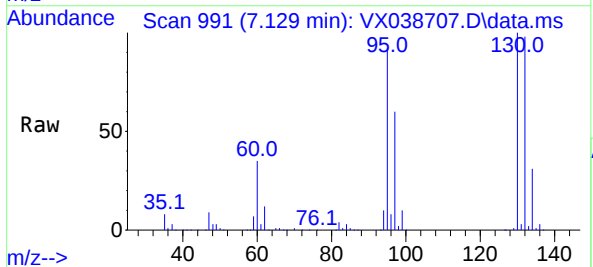
Instrument :
MSVOA_X
ClientSampleId :
FSND-EVAL-01D-20231102

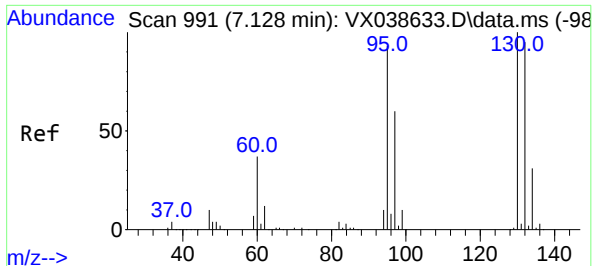
Tgt Ion:117 Resp: 24773
Ion Ratio Lower Upper
117 100
119 4.6 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 3.599 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX038707.D
Acq: 10 Nov 2023 06:12

Tgt Ion: 83 Resp: 17437
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 216.6 36.7 55.1#

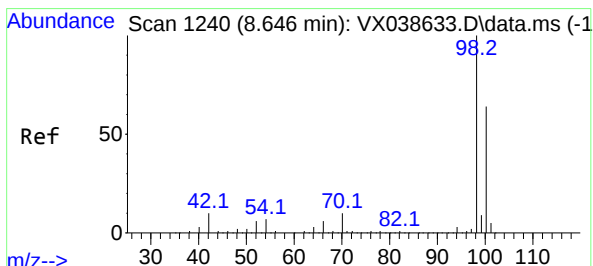
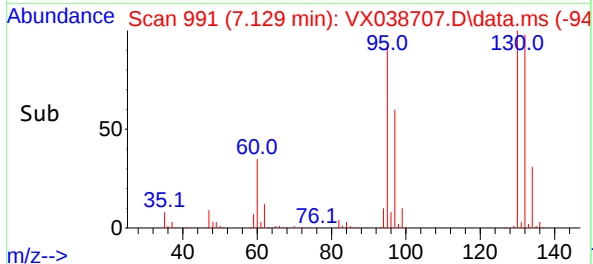
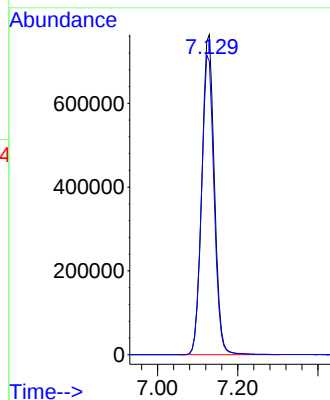
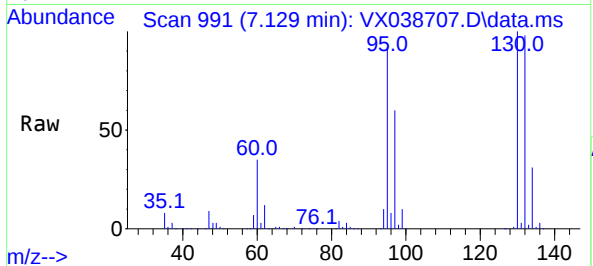




#44
Trichloroethene
Concen: 477.619 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX038707.D
Acq: 10 Nov 2023 06:12

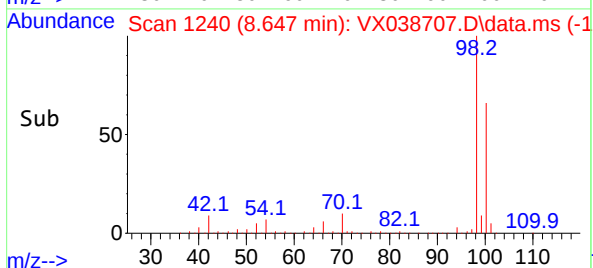
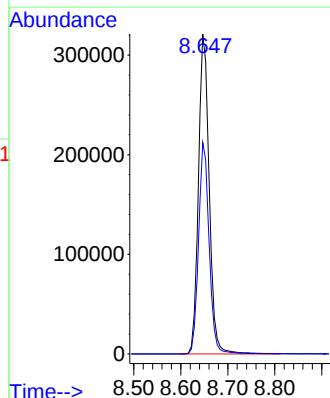
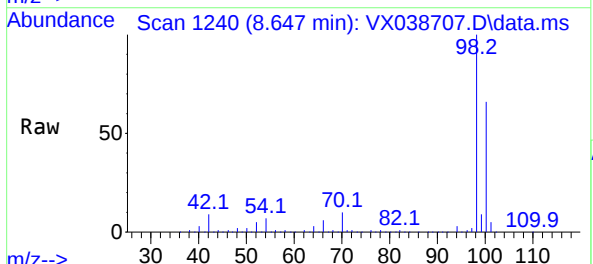
Instrument :
MSVOA_X
ClientSampleId :
FSND-EVAL-01D-20231102

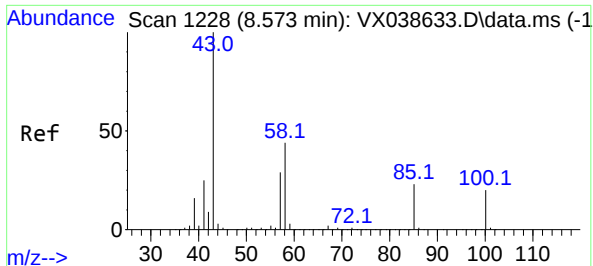
Tgt Ion:130 Resp: 1658495
Ion Ratio Lower Upper
130 100
95 91.7 0.0 204.4



#50
Toluene-d8
Concen: 45.979 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX038707.D
Acq: 10 Nov 2023 06:12

Tgt Ion: 98 Resp: 513214
Ion Ratio Lower Upper
98 100
100 65.1 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 0.467 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.074 min

Lab File: VX038707.D

Acq: 10 Nov 2023 06:12

Instrument :

MSVOA_X

ClientSampleId :

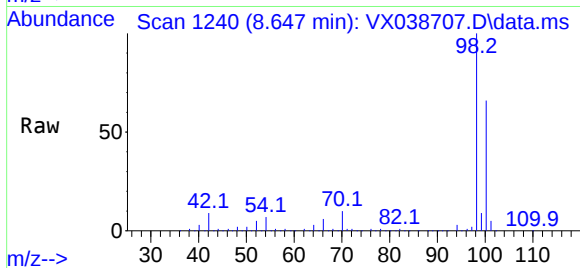
FSND-EVAL-01D-20231102

Tgt Ion: 43 Resp: 1849

Ion Ratio Lower Upper

43 100

58 192.0 30.4 45.6#



Abundance

2000

1500

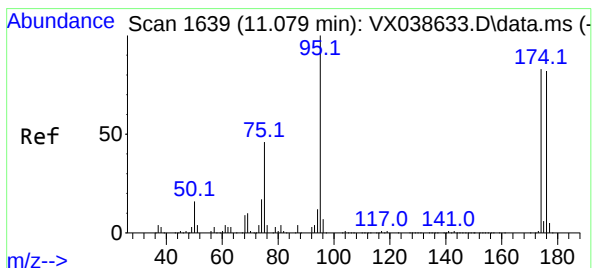
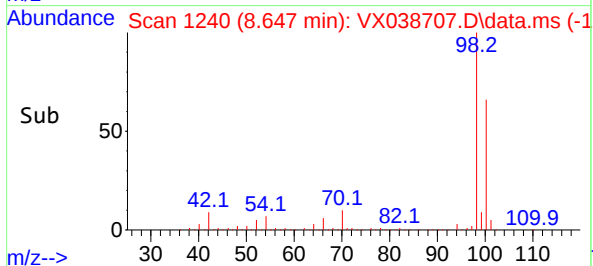
1000

500

0

8.647

Time-->



#62

4-Bromofluorobenzene

Concen: 50.386 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX038707.D

Acq: 10 Nov 2023 06:12

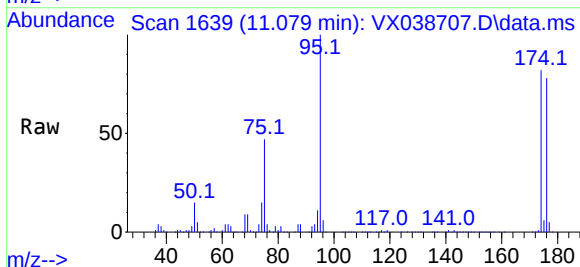
Tgt Ion: 95 Resp: 218050

Ion Ratio Lower Upper

95 100

174 86.8 0.0 135.6

176 84.0 0.0 131.0



Abundance

150000

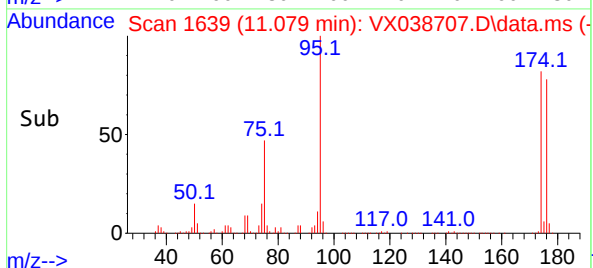
100000

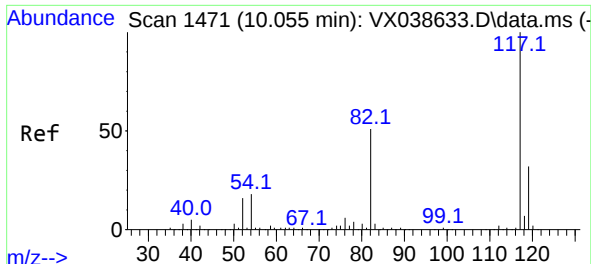
50000

0

11.079

Time-->

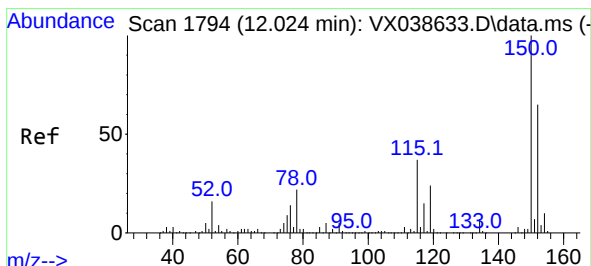
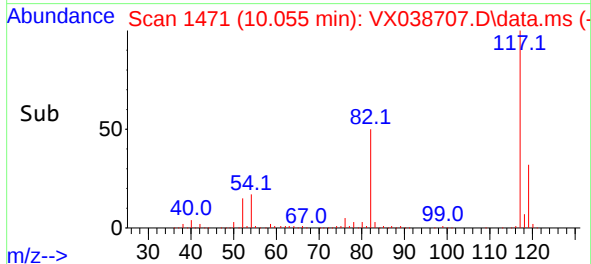
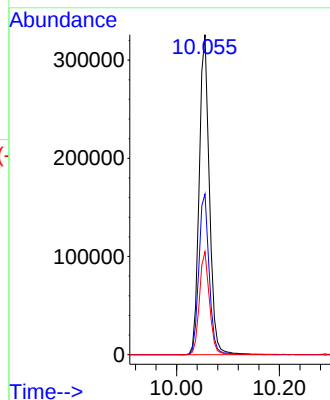
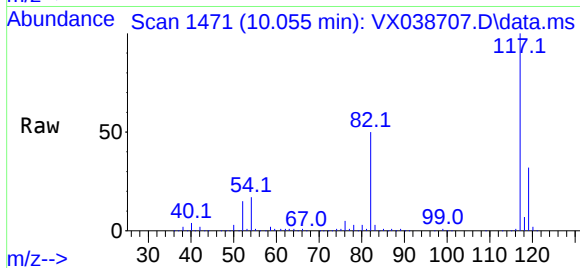




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038707.D
Acq: 10 Nov 2023 06:12

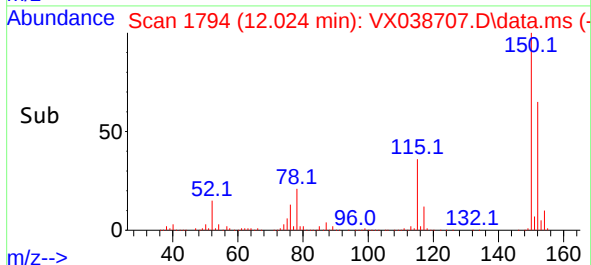
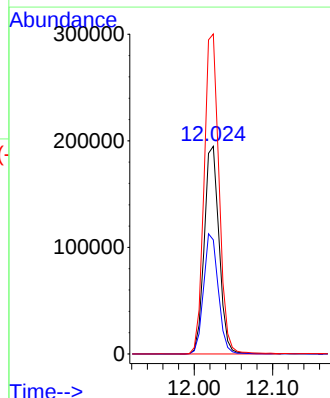
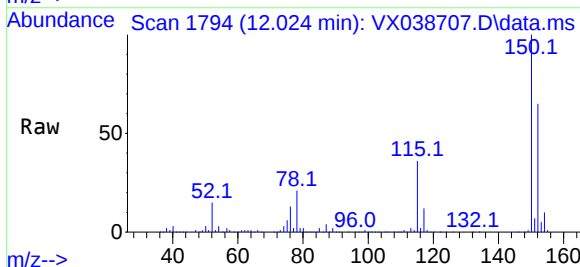
Instrument :
MSVOA_X
ClientSampleId :
FSND-EVAL-01D-20231102

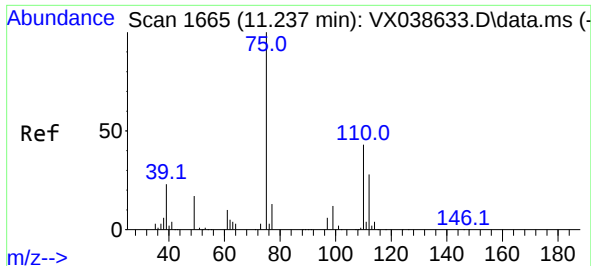
Tgt Ion:117 Resp: 449330
Ion Ratio Lower Upper
117 100
82 50.2 46.2 69.4
119 32.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX038707.D
Acq: 10 Nov 2023 06:12

Tgt Ion:152 Resp: 255796
Ion Ratio Lower Upper
152 100
115 57.3 43.3 129.9
150 155.4 0.0 345.0

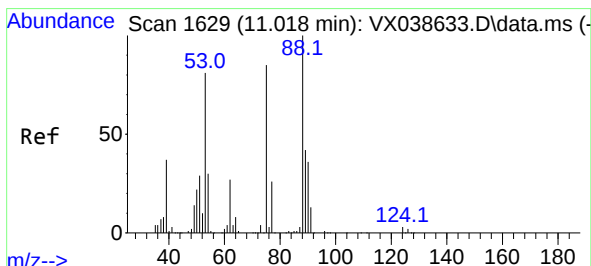
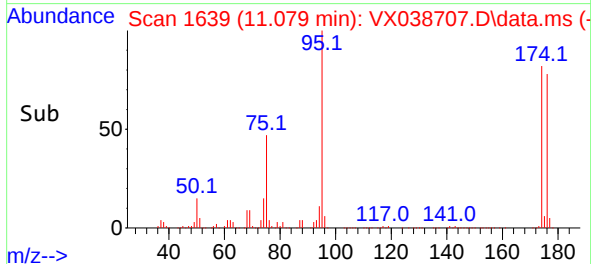
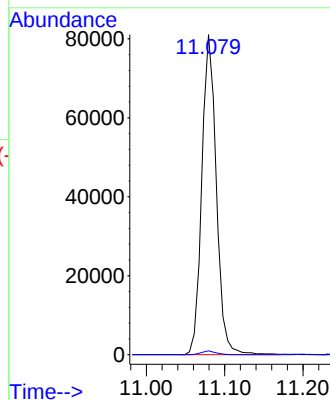
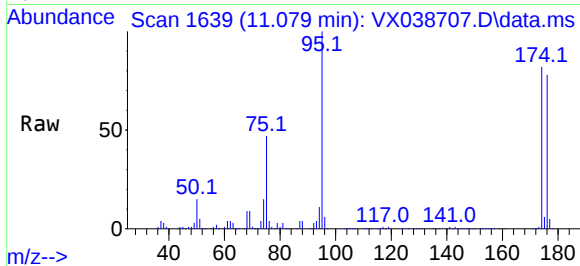




#76
1,2,3-Trichloropropane
Concen: 20.602 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX038707.D
Acq: 10 Nov 2023 06:12

Instrument :
MSVOA_X
ClientSampleId :
FSND-EVAL-01D-20231102

Tgt Ion: 75 Resp: 104370
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.759 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX038707.D
Acq: 10 Nov 2023 06:12

Tgt Ion: 75 Resp: 104370
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

