

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111023\
 Data File : VX038727.D
 Acq On : 10 Nov 2023 14:38
 Operator : JC/MD
 Sample : 05223-23DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Nov 11 01:54:17 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)

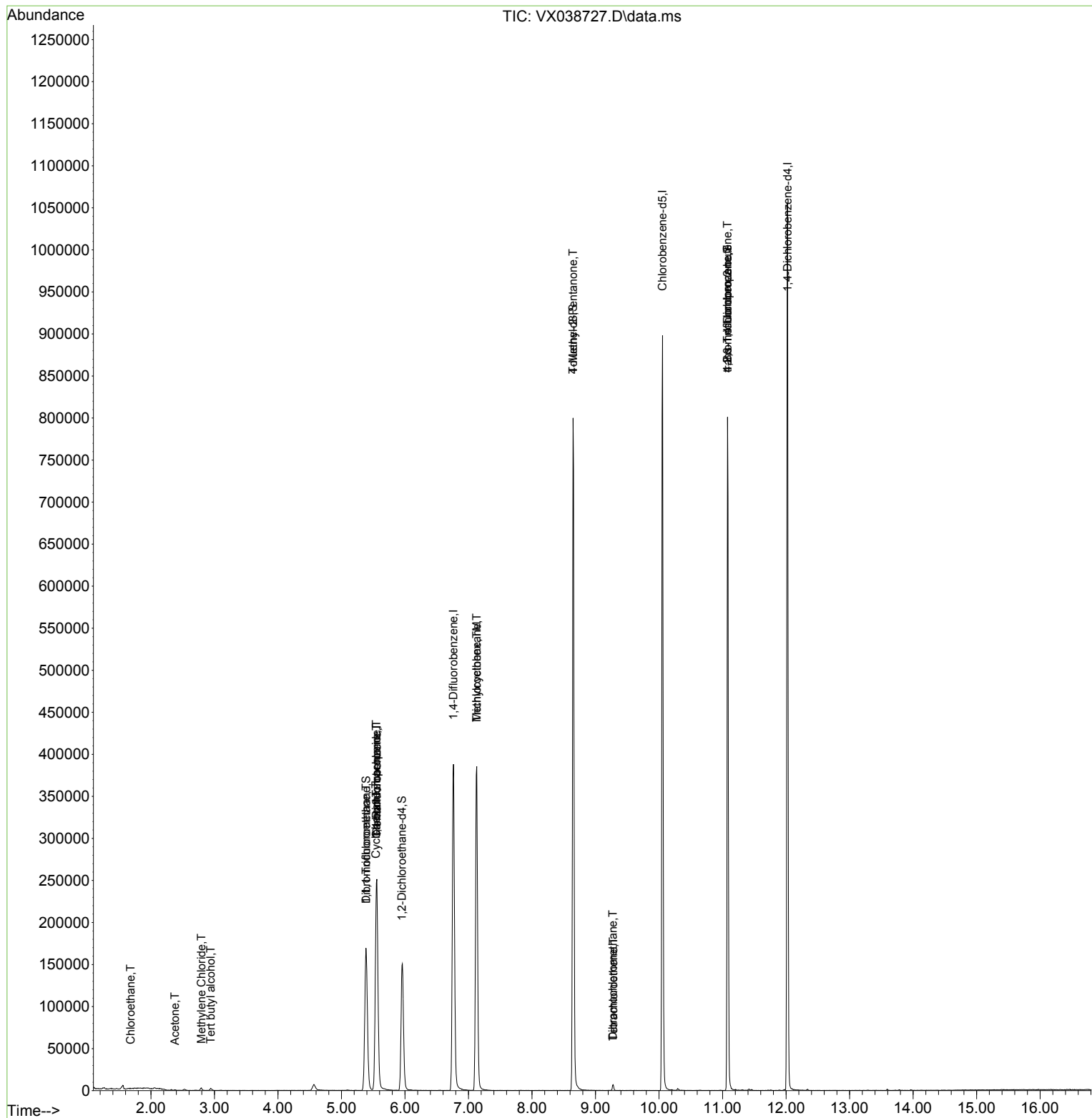
Internal Standards						
1) Pentafluorobenzene	5.556	168	262877	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	437713	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	448045	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	253744	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	153908	47.027	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.060%
35) Dibromofluoromethane	5.385	113	144007	45.680	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.360%
50) Toluene-d8	8.647	98	511569	45.348	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	90.700%#
62) 4-Bromofluorobenzene	11.079	95	218768	50.018	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.040%
Target Compounds						
						Qvalue
6) Chloroethane	1.678	64	975	0.613	ug/l	# 43
11) Tert butyl alcohol	2.940	59	1505	2.250	ug/l	# 78
16) Acetone	2.380	43	687	0.498	ug/l	95
20) Methylene Chloride	2.794	84	1659	0.597	ug/l	# 67
31) Cyclohexane	5.544	56	4361	1.204	ug/l	# 14
32) 1,1,1-Trichloroethane	5.385	97	6727	1.487	ug/l	96
36) 1,1-Dichloropropene	5.550	75	17275	4.411	ug/l	# 52
38) Carbon Tetrachloride	5.550	117	24691	5.640	ug/l	# 16
39) Methylcyclohexane	7.129	83	1677	0.343	ug/l	# 1
44) Trichloroethene	7.129	130	163386	46.556	ug/l	88
51) 4-Methyl-2-Pentanone	8.647	43	1604	0.401	ug/l	# 1
60) Dibromochloromethane	9.275	129	1436	0.408	ug/l	# 11
64) Tetrachloroethene	9.281	164	1525	0.455	ug/l	# 82
76) 1,2,3-Trichloropropane	11.079	75	104470	20.789	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	104470	63.263	ug/l	# 5

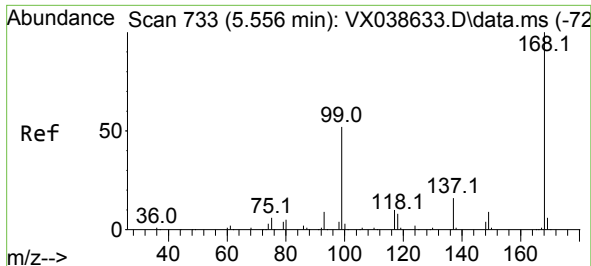
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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FSND-FD-2-20231031DL

Quant Time: Nov 11 01:54:17 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

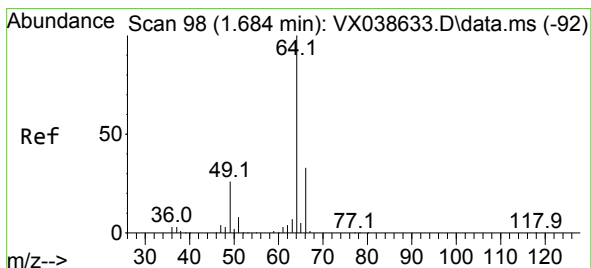
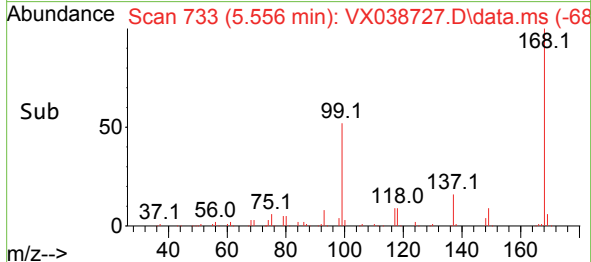
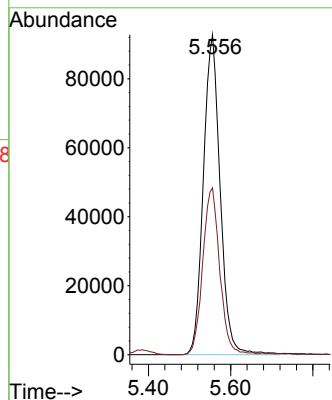
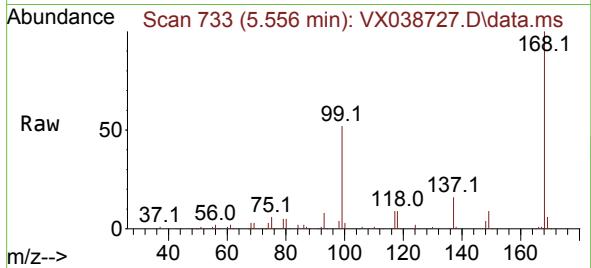




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038727.D
Acq: 10 Nov 2023 14:38

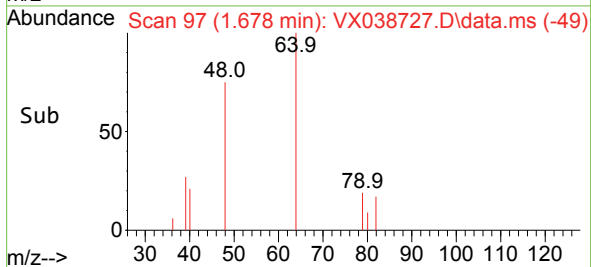
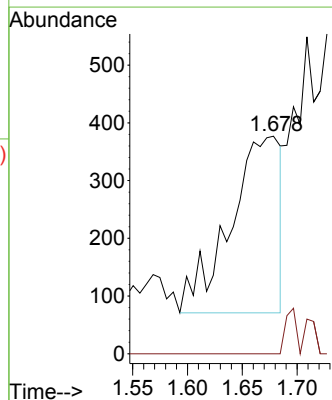
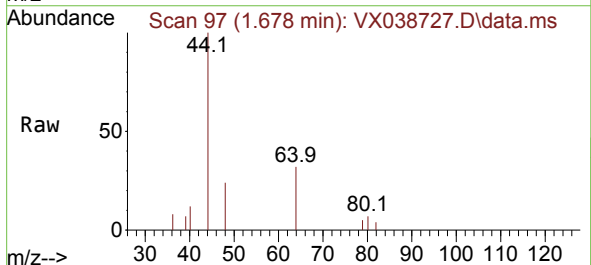
Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-2-20231031DL

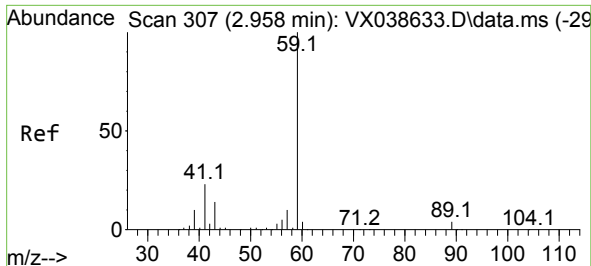
Tgt Ion:168 Resp: 262877
Ion Ratio Lower Upper
168 100
99 52.2 56.6 85.0#



#6
Chloroethane
Concen: 0.613 ug/l
RT: 1.678 min Scan# 97
Delta R.T. -0.006 min
Lab File: VX038727.D
Acq: 10 Nov 2023 14:38

Tgt Ion: 64 Resp: 975
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 2.250 ug/l

RT: 2.940 min Scan# 307

Delta R.T. -0.018 min

Lab File: VX038727.D

Acq: 10 Nov 2023 14:38

Instrument :

MSVOA_X

ClientSampleId :

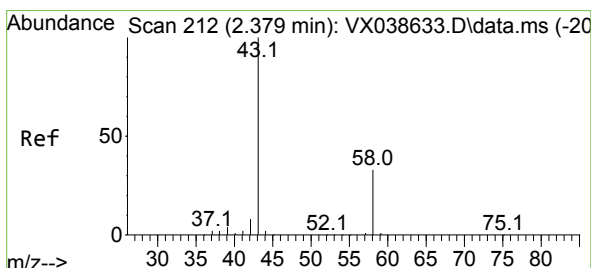
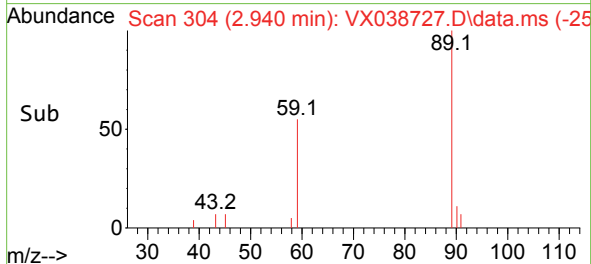
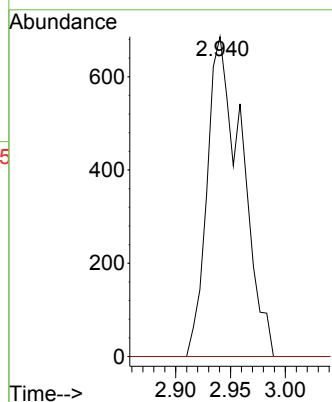
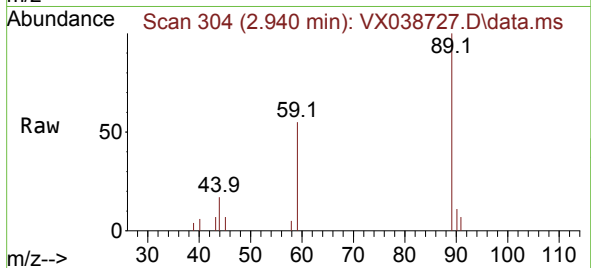
FSND-FD-2-20231031DL

Tgt Ion: 59 Resp: 1505

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 0.498 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.000 min

Lab File: VX038727.D

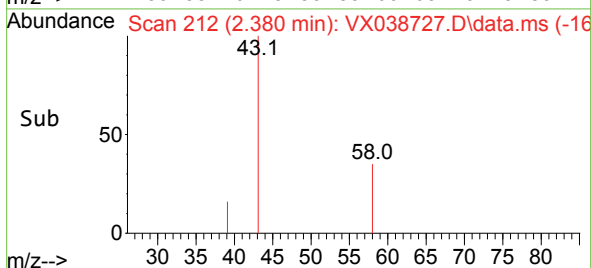
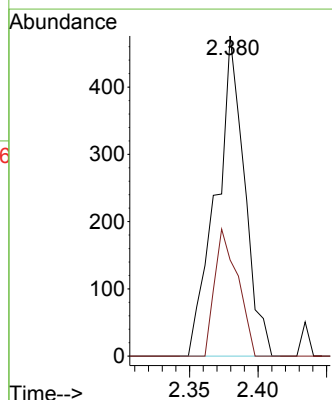
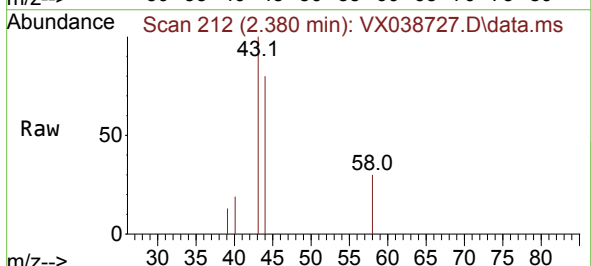
Acq: 10 Nov 2023 14:38

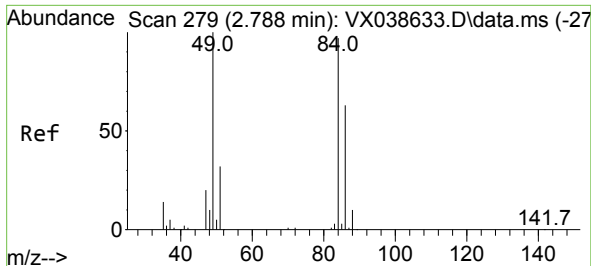
Tgt Ion: 43 Resp: 687

Ion Ratio Lower Upper

43 100

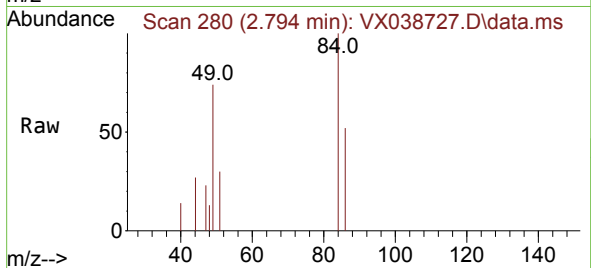
58 30.0 21.9 32.9



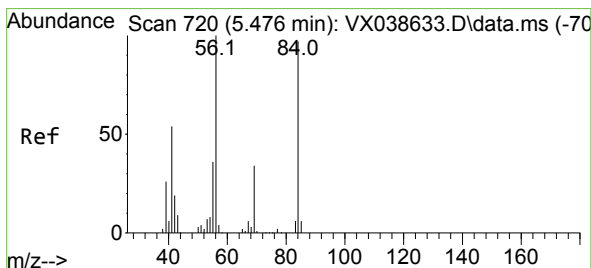
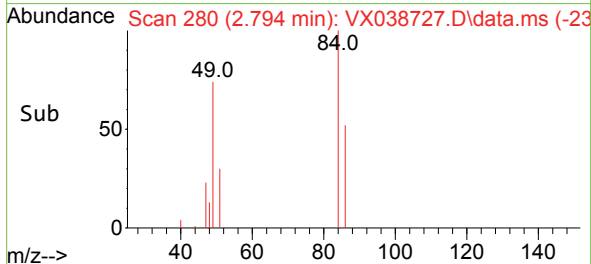
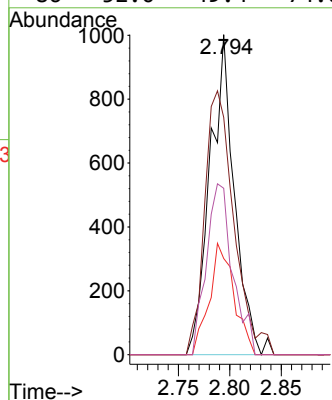


#20
Methylene Chloride
Concen: 0.597 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX038727.D
Acq: 10 Nov 2023 14:38

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

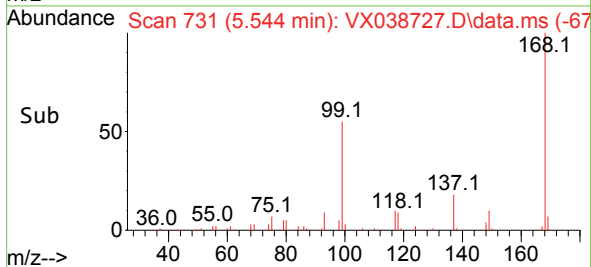
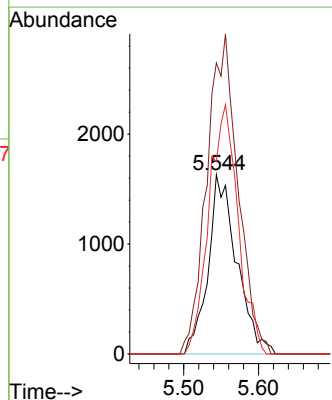
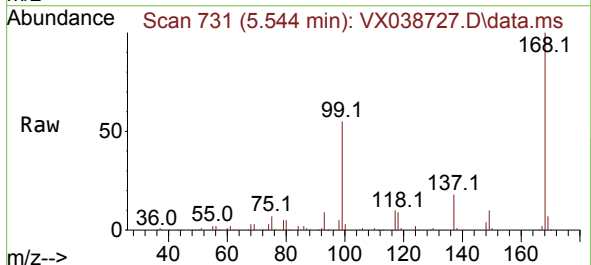


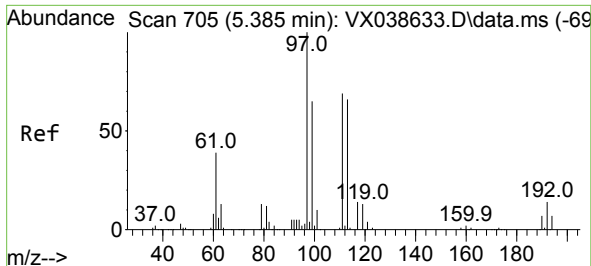
Tgt Ion:	84	Resp:	1659
Ion	Ratio	Lower	Upper
84	100		
49	74.2	103.6	155.4#
51	30.0	33.8	50.6#
86	52.0	49.4	74.0



#31
Cyclohexane
Concen: 1.204 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.067 min
Lab File: VX038727.D
Acq: 10 Nov 2023 14:38

Tgt Ion:	56	Resp:	4361
Ion	Ratio	Lower	Upper
56	100		
69	162.4	23.4	35.2#
84	107.2	65.9	98.9#





#32

1,1,1-Trichloroethane

Concen: 1.487 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX038727.D

Acq: 10 Nov 2023 14:38

Instrument :

MSVOA_X

ClientSampleId :

FSND-FD-2-20231031DL

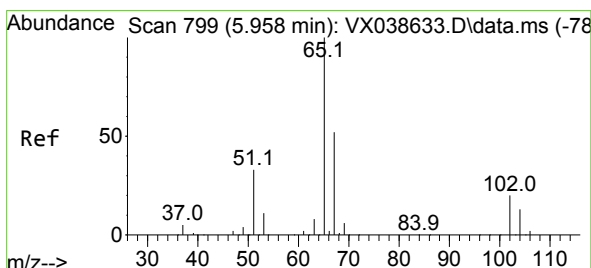
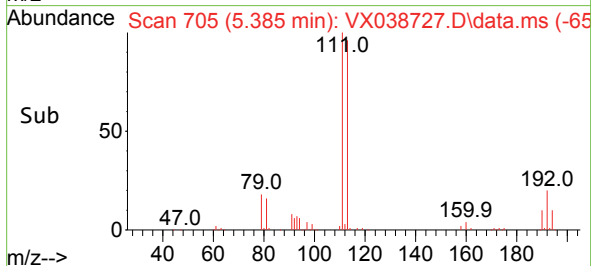
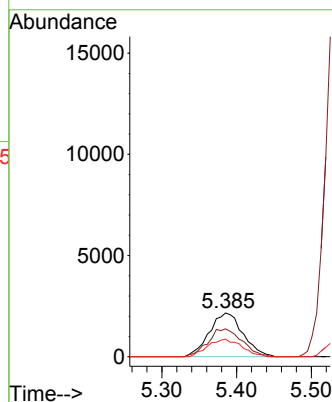
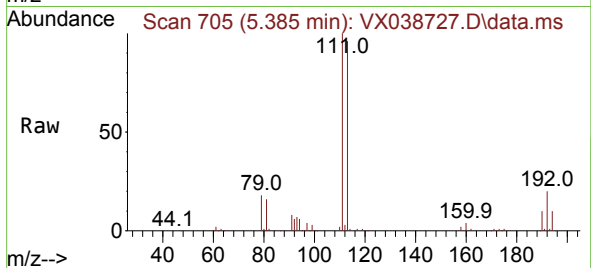
Tgt Ion: 97 Resp: 6727

Ion Ratio Lower Upper

97 100

99 64.4 51.1 76.7

61 40.4 36.4 54.6



#33

1,2-Dichloroethane-d4

Concen: 47.027 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX038727.D

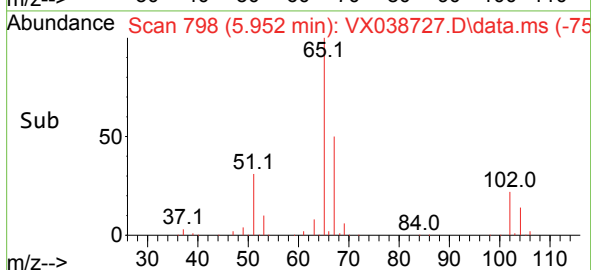
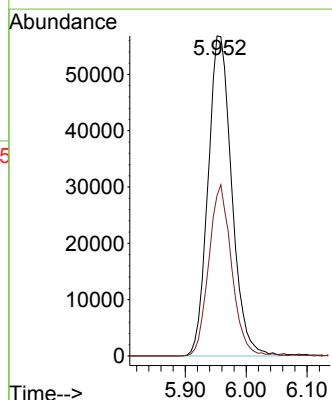
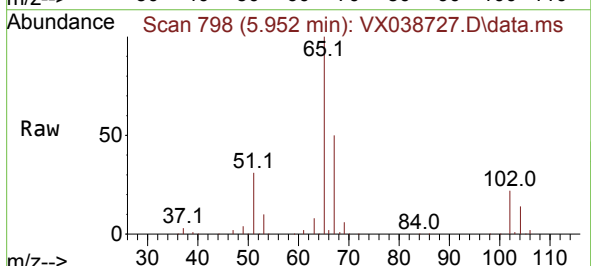
Acq: 10 Nov 2023 14:38

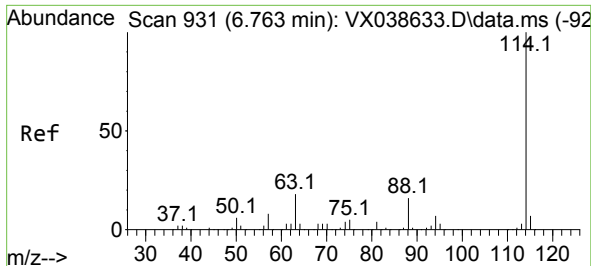
Tgt Ion: 65 Resp: 153908

Ion Ratio Lower Upper

65 100

67 51.5 0.0 100.2

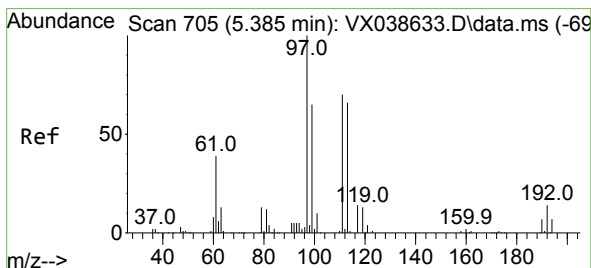
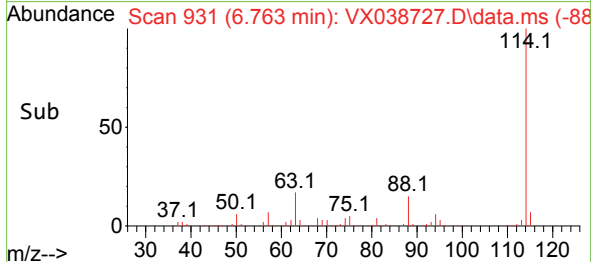
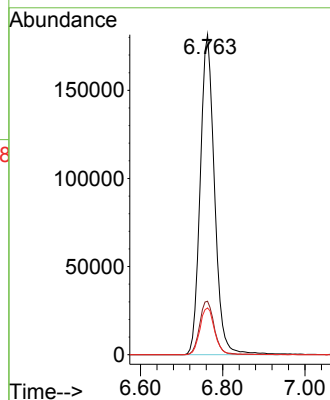
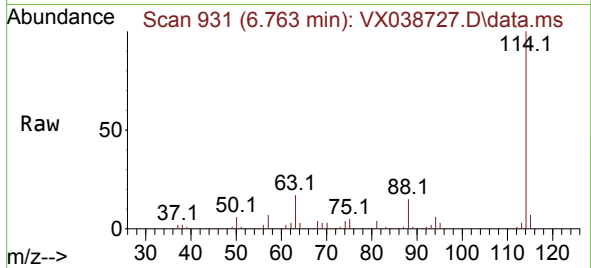




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX038727.D
Acq: 10 Nov 2023 14:38

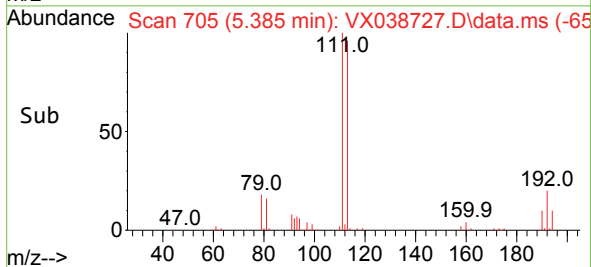
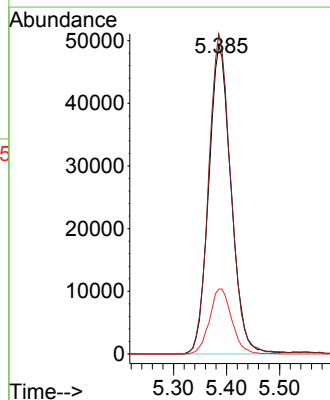
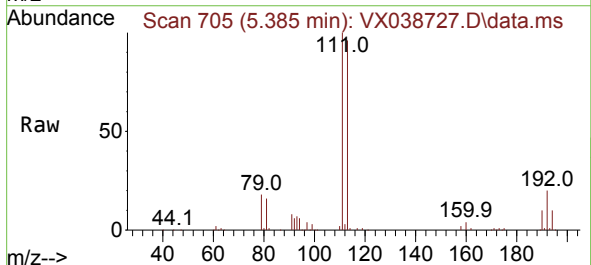
Instrument :
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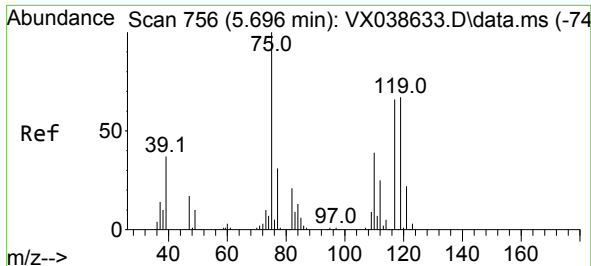
Tgt Ion:114 Resp: 437713
Ion Ratio Lower Upper
114 100
63 16.7 0.0 45.0
88 14.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.680 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038727.D
Acq: 10 Nov 2023 14:38

Tgt Ion:113 Resp: 144007
Ion Ratio Lower Upper
113 100
111 102.9 82.9 124.3
192 21.0 13.3 19.9#

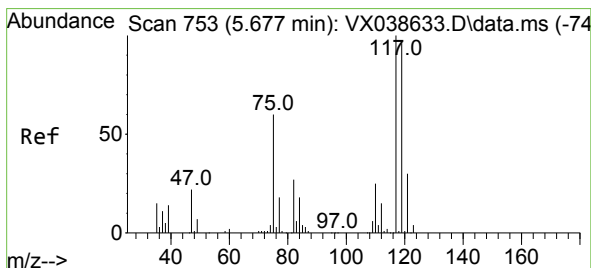
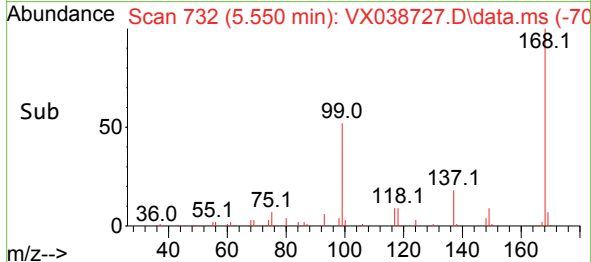
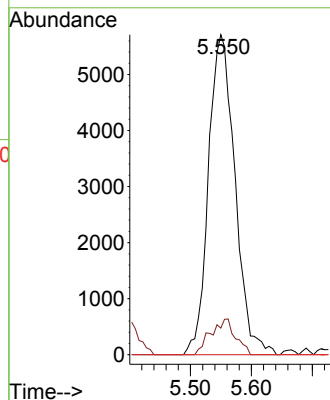
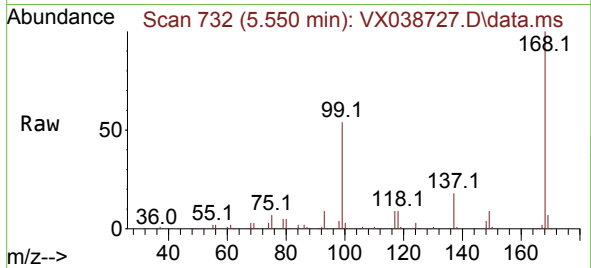




#36
1,1-Dichloropropene
Concen: 4.411 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX038727.D
Acq: 10 Nov 2023 14:38

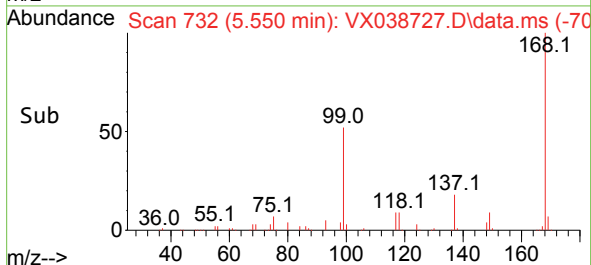
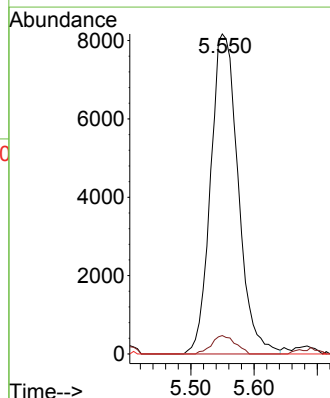
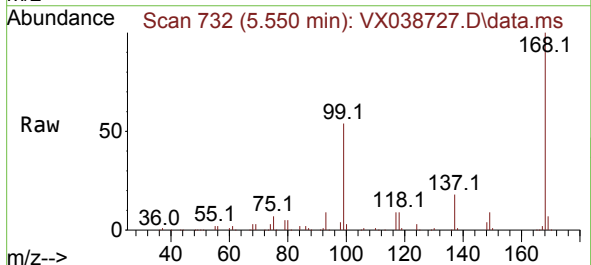
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FSND-FD-2-20231031DL

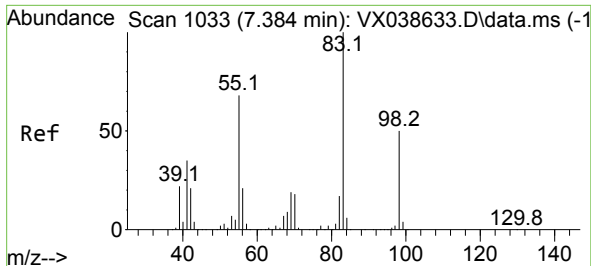
Tgt Ion: 75 Resp: 17275
Ion Ratio Lower Upper
75 100
110 10.4 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.640 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX038727.D
Acq: 10 Nov 2023 14:38

Tgt Ion: 117 Resp: 24691
Ion Ratio Lower Upper
117 100
119 5.8 78.2 117.2#
121 0.0 24.4 36.6#

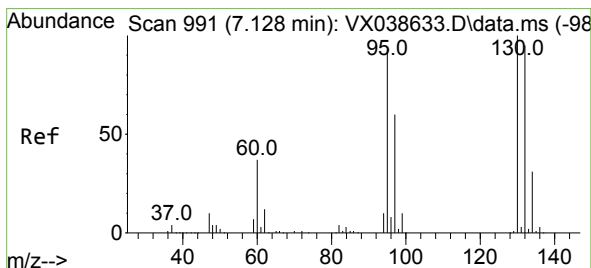
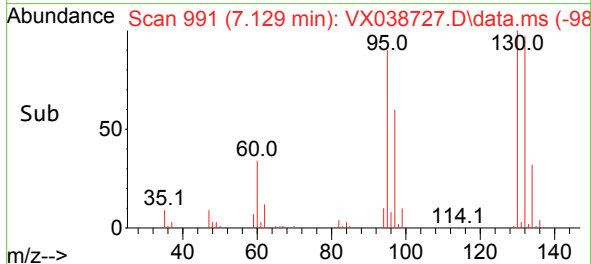
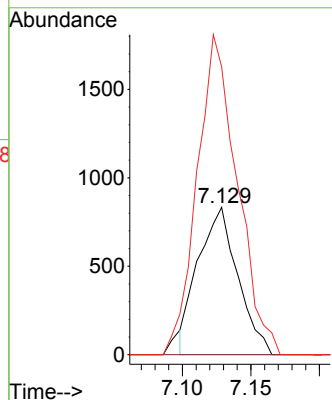
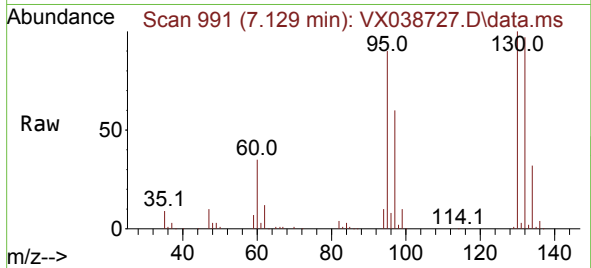




#39
Methylcyclohexane
Concen: 0.343 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX038727.D
Acq: 10 Nov 2023 14:38

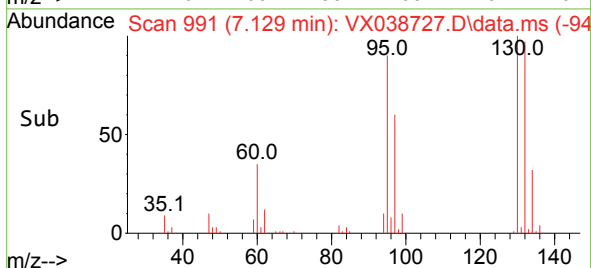
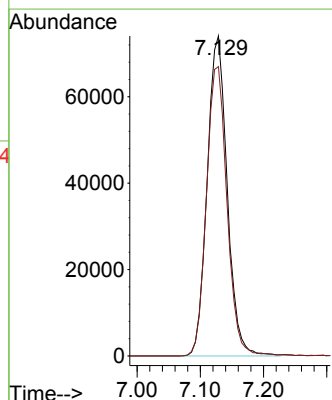
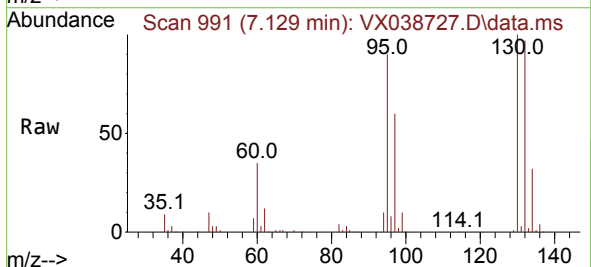
Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-2-20231031DL

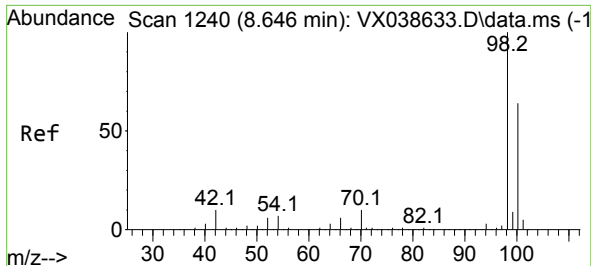
Tgt Ion: 83 Resp: 1677
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 195.3 36.7 55.1#



#44
Trichloroethene
Concen: 46.556 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX038727.D
Acq: 10 Nov 2023 14:38

Tgt Ion:130 Resp: 163386
Ion Ratio Lower Upper
130 100
95 90.4 0.0 204.4

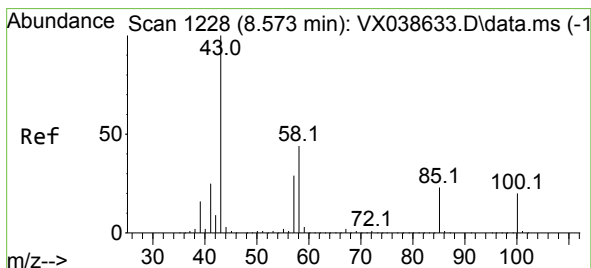
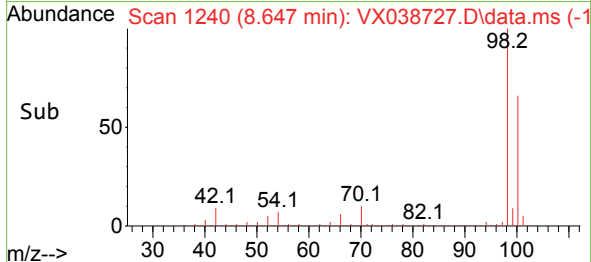
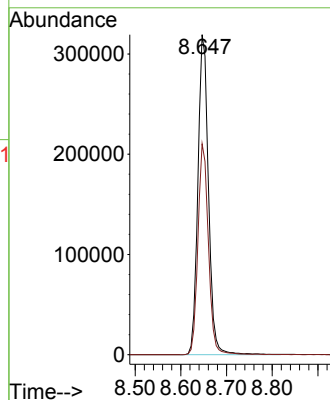
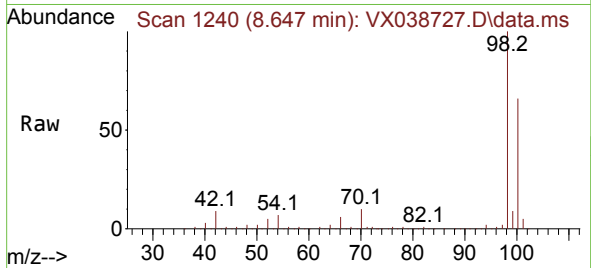




#50
Toluene-d8
Concen: 45.348 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX038727.D
Acq: 10 Nov 2023 14:38

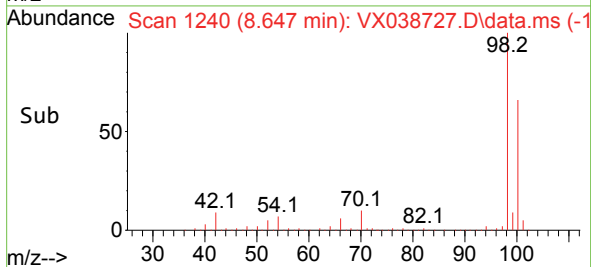
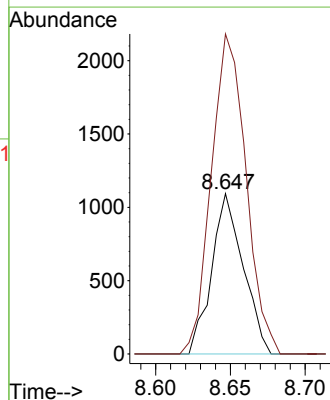
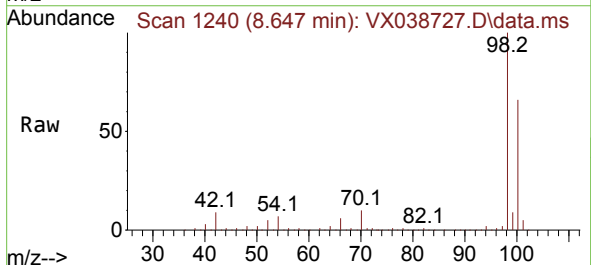
Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-2-20231031DL

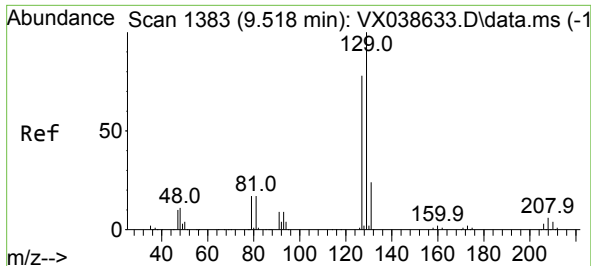
Tgt Ion: 98 Resp: 511569
Ion Ratio Lower Upper
98 100
100 65.3 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.401 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX038727.D
Acq: 10 Nov 2023 14:38

Tgt Ion: 43 Resp: 1604
Ion Ratio Lower Upper
43 100
58 219.6 30.4 45.6#

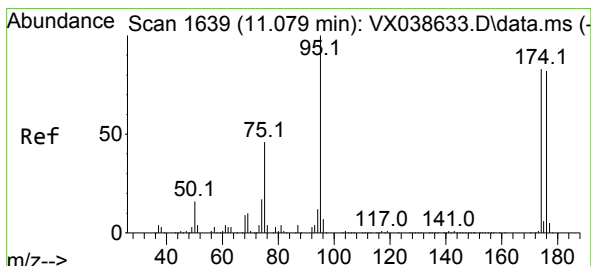
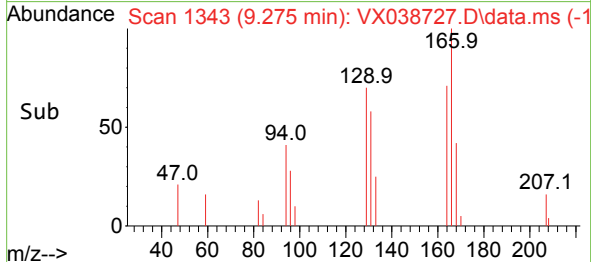
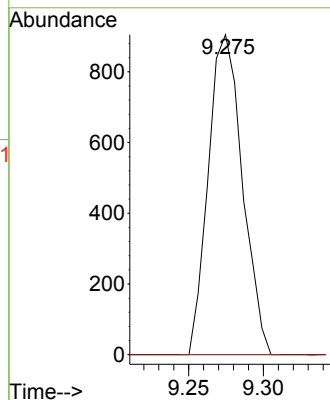
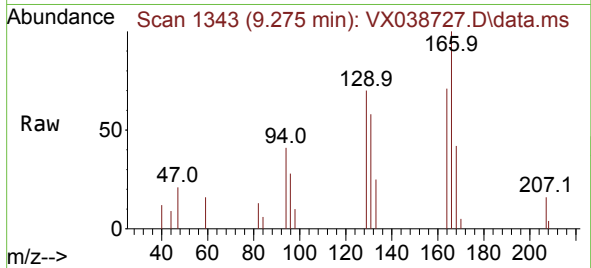




#60
Dibromochloromethane
Concen: 0.408 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX038727.D
Acq: 10 Nov 2023 14:38

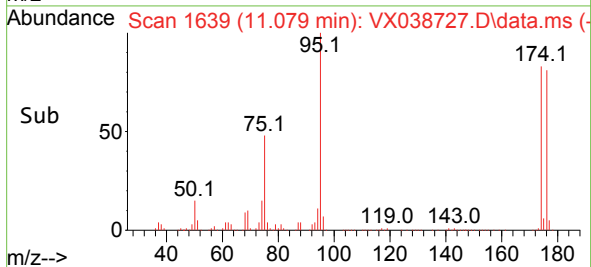
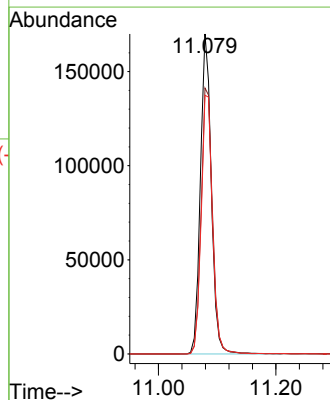
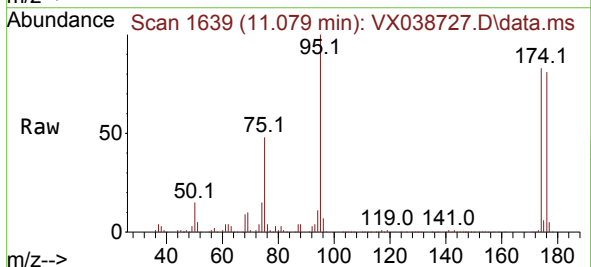
Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-2-20231031DL

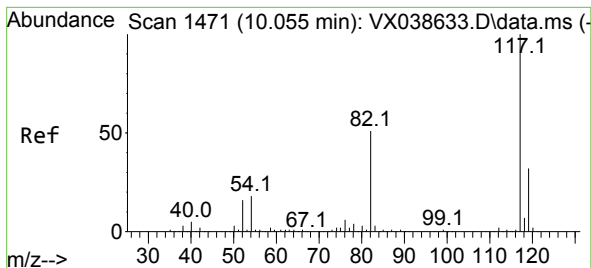
Tgt Ion:129 Resp: 1436
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 50.018 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038727.D
Acq: 10 Nov 2023 14:38

Tgt Ion: 95 Resp: 218768
Ion Ratio Lower Upper
95 100
174 87.3 0.0 135.6
176 84.1 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: VX038727.D

Acq: 10 Nov 2023 14:38

Instrument :

MSVOA_X

ClientSampleId :

FSND-FD-2-20231031DL

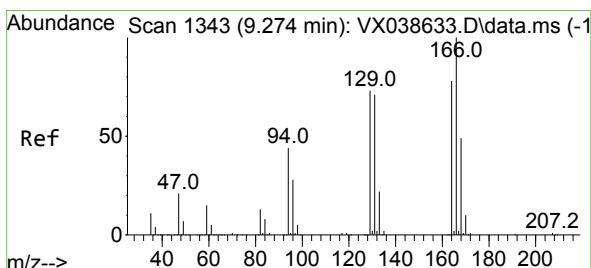
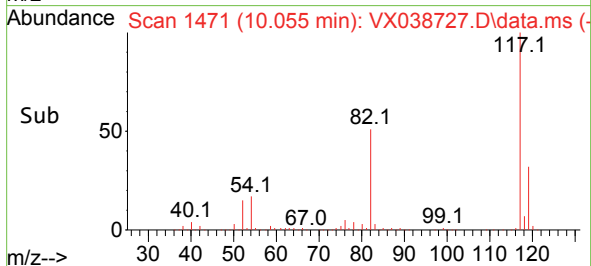
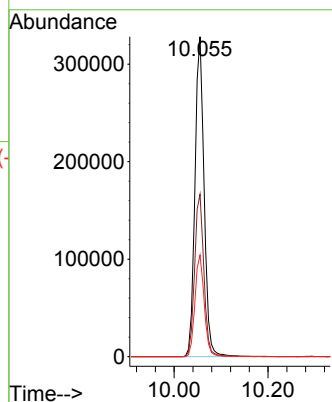
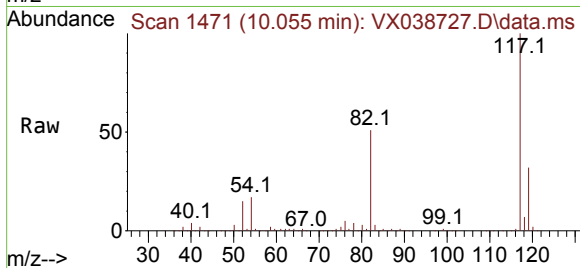
Tgt Ion:117 Resp: 448045

Ion Ratio Lower Upper

117 100

82 50.7 46.2 69.4

119 31.7 25.5 38.3



#64

Tetrachloroethene

Concen: 0.455 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. 0.006 min

Lab File: VX038727.D

Acq: 10 Nov 2023 14:38

Tgt Ion:164 Resp: 1525

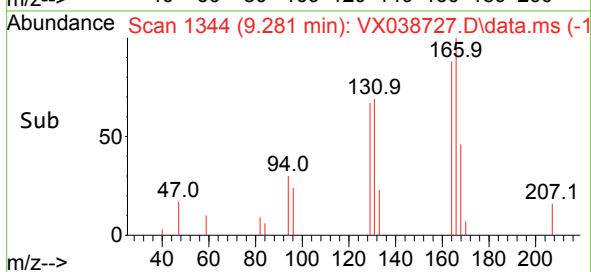
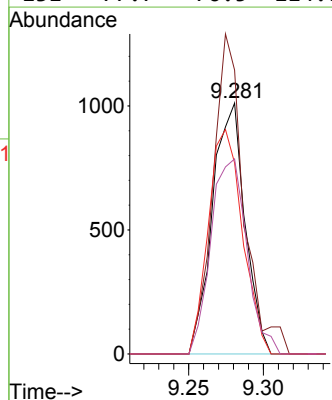
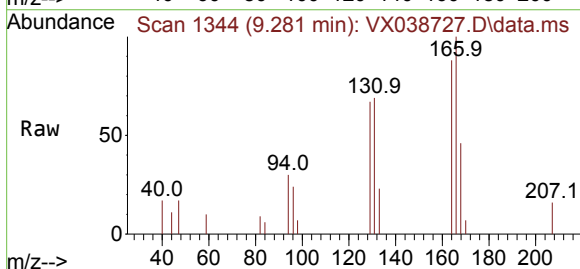
Ion Ratio Lower Upper

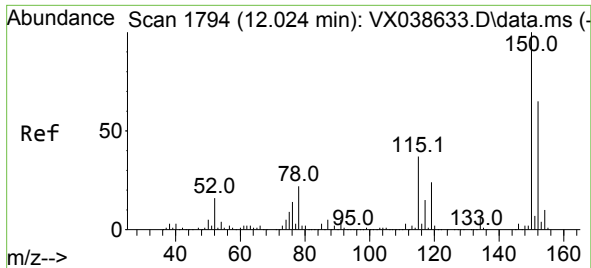
164 100

166 113.2 102.7 154.1

129 76.2 80.4 120.6#

131 77.7 76.5 114.7

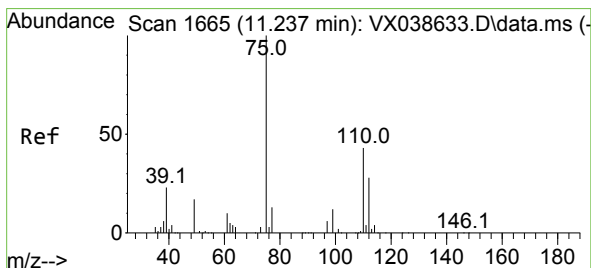
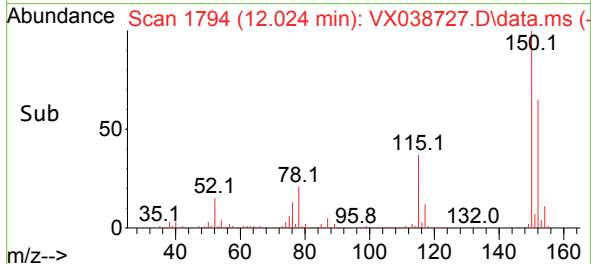
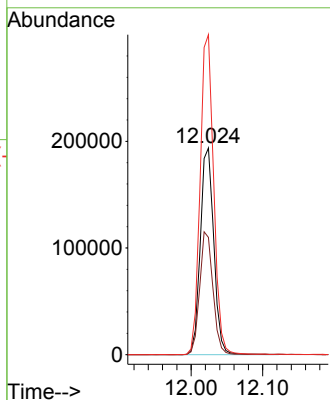
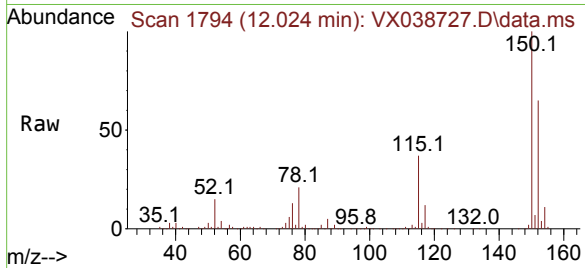




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX038727.D
 Acq: 10 Nov 2023 14:38

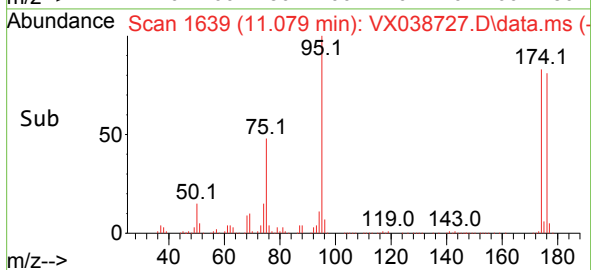
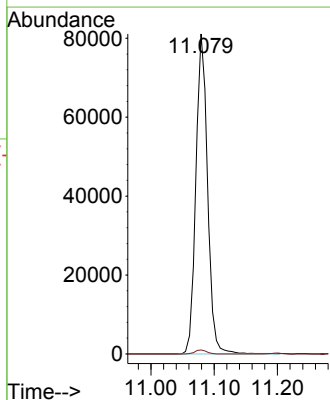
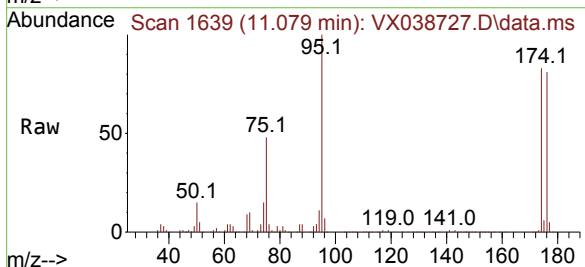
Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-FD-2-20231031DL

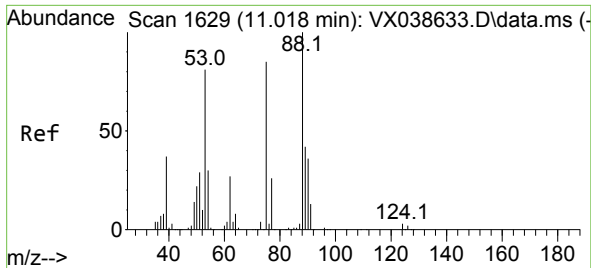
Tgt Ion:152 Resp: 253744
 Ion Ratio Lower Upper
 152 100
 115 58.5 43.3 129.9
 150 155.4 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 20.789 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX038727.D
 Acq: 10 Nov 2023 14:38

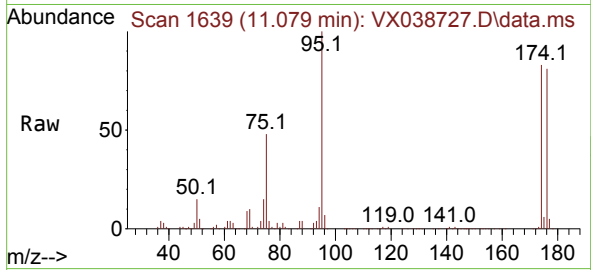
Tgt Ion: 75 Resp: 104470
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.263 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX038727.D
 Acq: 10 Nov 2023 14:38

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



Tgt Ion: 75 Resp: 104470
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

