

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111323\
 Data File : VX038774.D
 Acq On : 13 Nov 2023 12:27
 Operator : JC/MD
 Sample : 05241-20DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Nov 14 05:31:13 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	290389	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	475032	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	499485	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	289976	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	162789	45.029	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	90.060%
35) Dibromofluoromethane	5.385	113	153369	44.827	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.660%
50) Toluene-d8	8.647	98	572744	46.782	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.560%
62) 4-Bromofluorobenzene	11.079	95	247737	52.191	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.380%

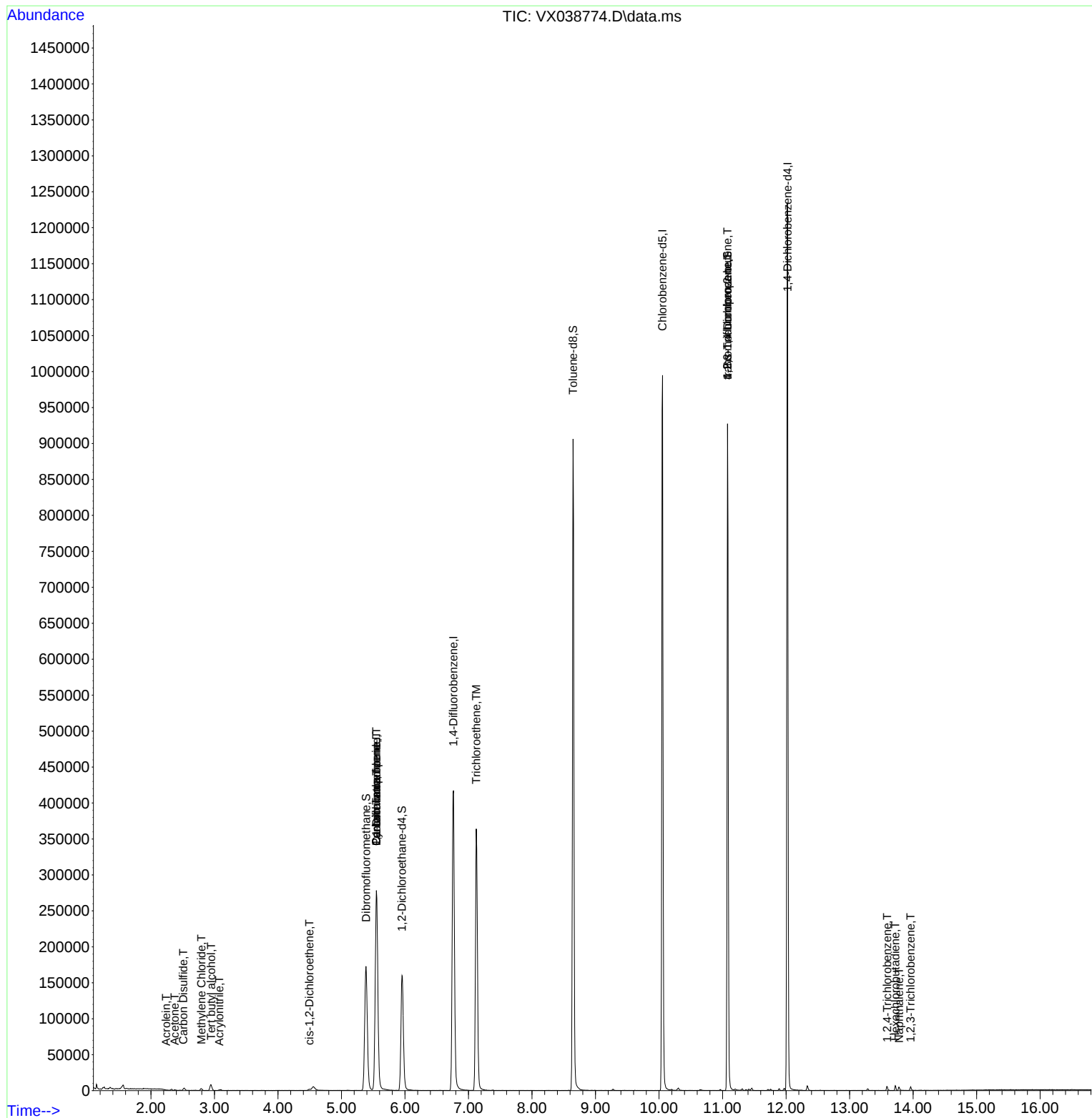
Target Compounds						Qvalue
11) Tert butyl alcohol	2.946	59	4658	6.303	ug/l	# 78
13) Acrolein	2.239	56	185	0.330	ug/l	# 36
15) Acrylonitrile	3.075	53	505	0.324	ug/l	91
16) Acetone	2.373	43	853	0.560	ug/l	91
17) Carbon Disulfide	2.508	76	2380	0.331	ug/l	# 91
20) Methylene Chloride	2.794	84	1448	0.472	ug/l	# 73
27) cis-1,2-Dichloroethene	4.495	96	1453	0.426	ug/l	44
31) Cyclohexane	5.550	56	4697	1.174	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	18837	4.432	ug/l	# 52
38) Carbon Tetrachloride	5.550	117	27258	5.737	ug/l	# 16
44) Trichloroethene	7.123	130	151138	39.682	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	119600	20.826	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	119600	63.363	ug/l	# 5
93) 1,2,4-Trichlorobenzene	13.591	180	2011	0.308	ug/l	91
94) Hexachlorobutadiene	13.719	225	1126	0.400	ug/l	90
95) Naphthalene	13.780	128	4378	0.223	ug/l	# 95
96) 1,2,3-Trichlorobenzene	13.963	180	1564	0.243	ug/l	94

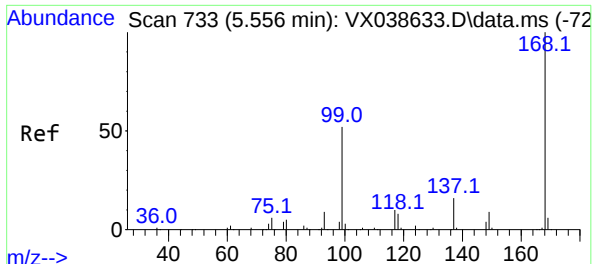
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 08 03:19:07 2023
Response via : Initial Calibration

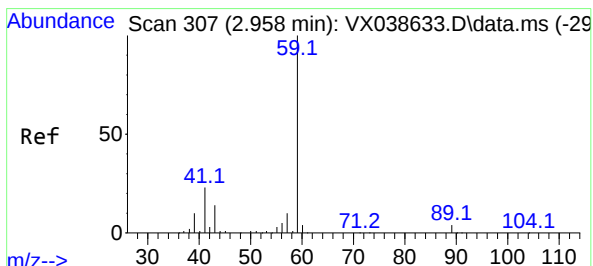
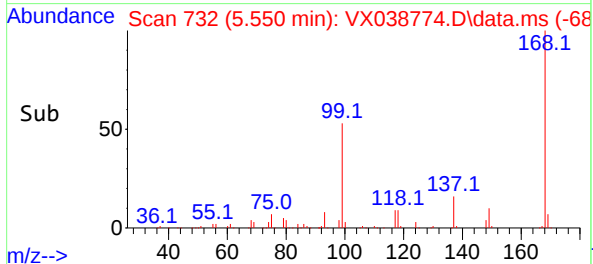
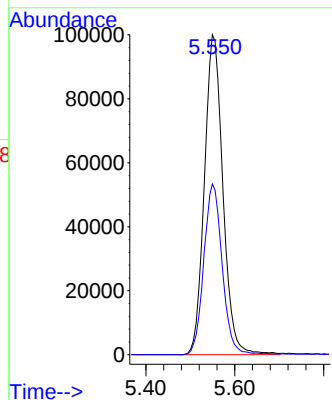
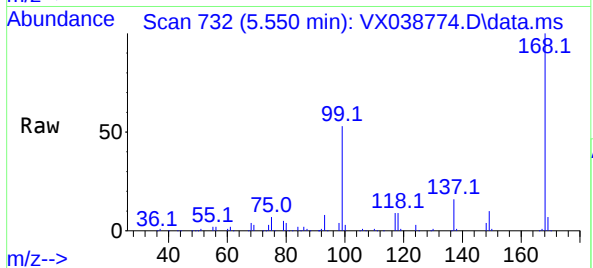




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX038774.D
Acq: 13 Nov 2023 12:27

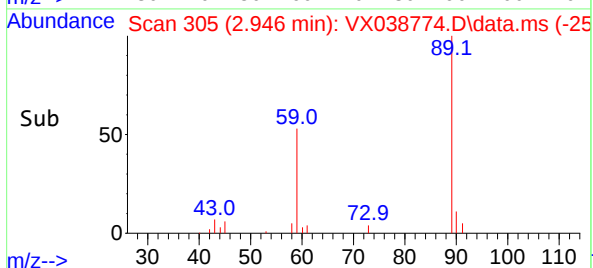
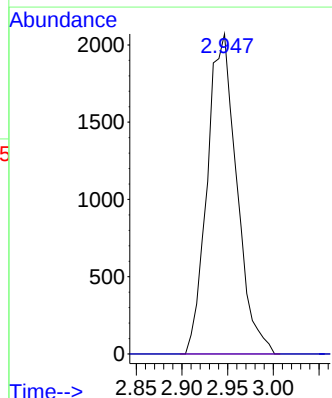
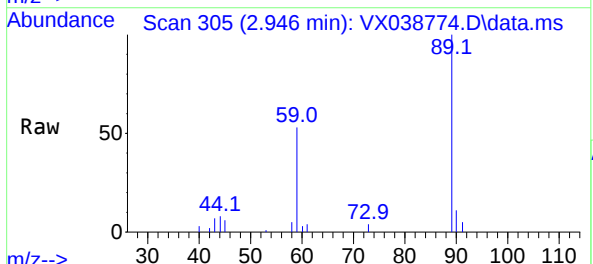
Instrument :
MSVOA_X
ClientSampleId :
FSND-EVAL-01D-20231102DL

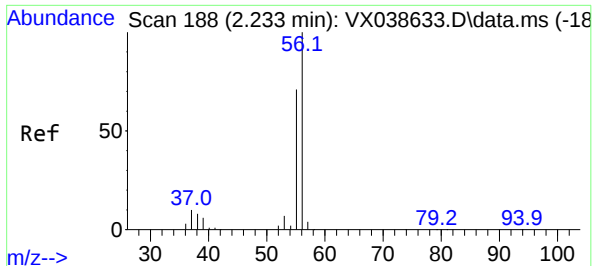
Tgt Ion:168 Resp: 290389
Ion Ratio Lower Upper
168 100
99 53.4 56.6 85.0#



#11
Tert butyl alcohol
Concen: 6.303 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.012 min
Lab File: VX038774.D
Acq: 13 Nov 2023 12:27

Tgt Ion: 59 Resp: 4658
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

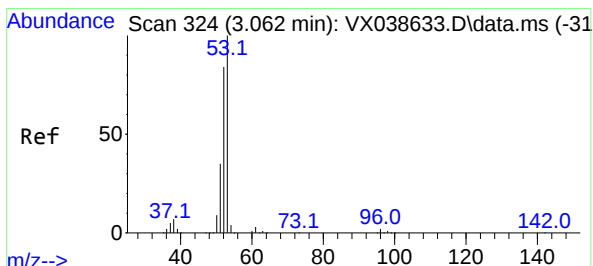
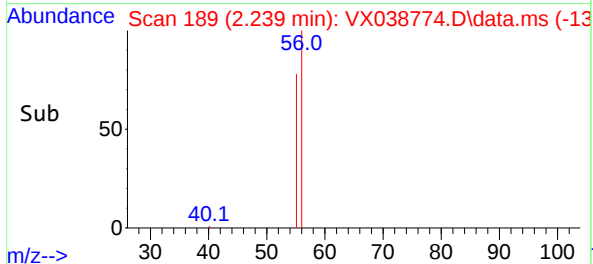
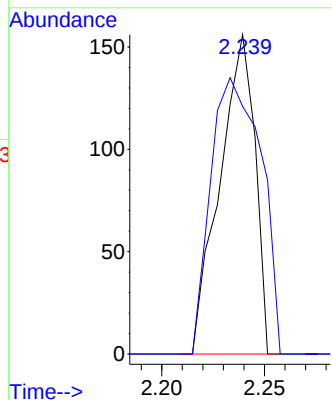
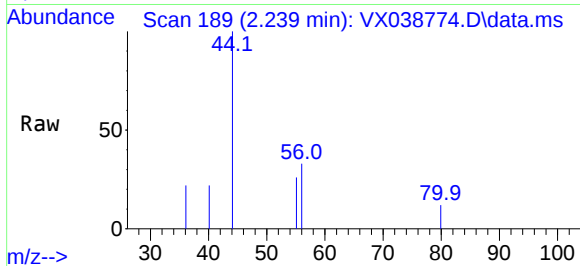




#13
Acrolein
Concen: 0.330 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX038774.D
Acq: 13 Nov 2023 12:27

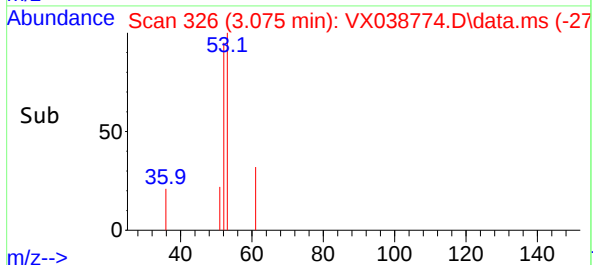
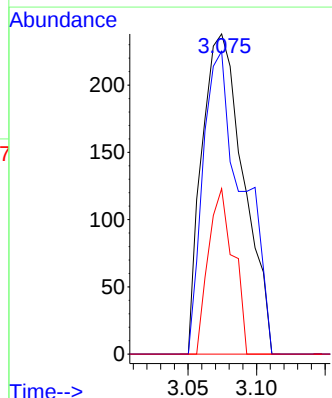
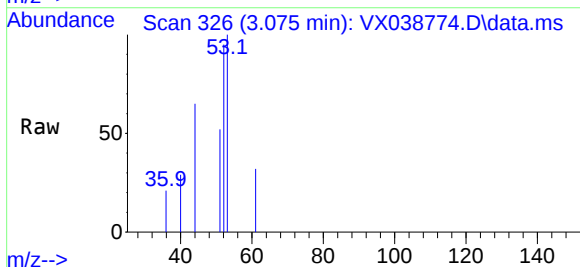
Instrument :
MSVOA_X
ClientSampleId :
FSND-EVAL-01D-20231102DL

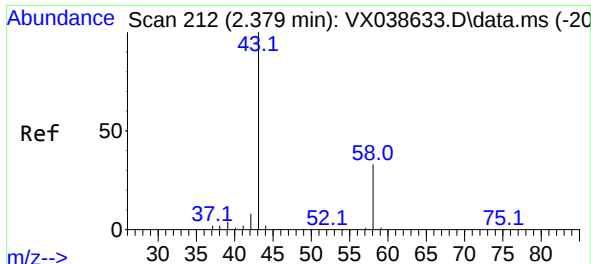
Tgt Ion: 56 Resp: 185
Ion Ratio Lower Upper
56 100
55 124.3 57.1 85.7#



#15
Acrylonitrile
Concen: 0.324 ug/l
RT: 3.075 min Scan# 326
Delta R.T. 0.012 min
Lab File: VX038774.D
Acq: 13 Nov 2023 12:27

Tgt Ion: 53 Resp: 505
Ion Ratio Lower Upper
53 100
52 90.3 66.0 99.0
51 31.1 29.8 44.6

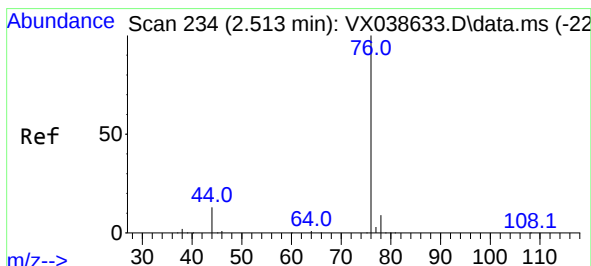
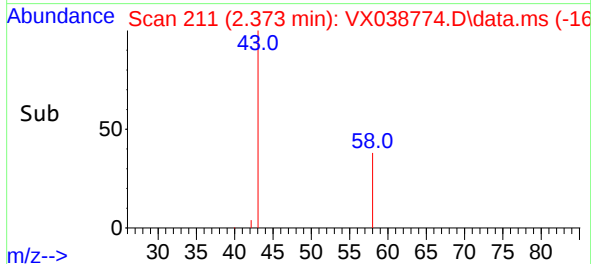
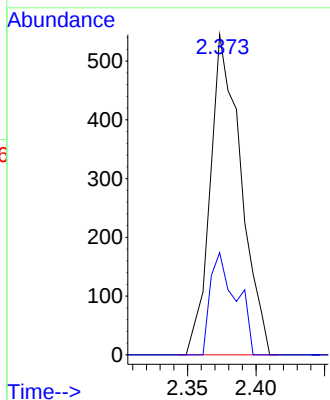
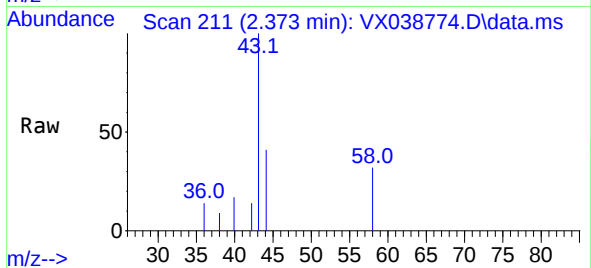




#16
Acetone
Concen: 0.560 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX038774.D
Acq: 13 Nov 2023 12:27

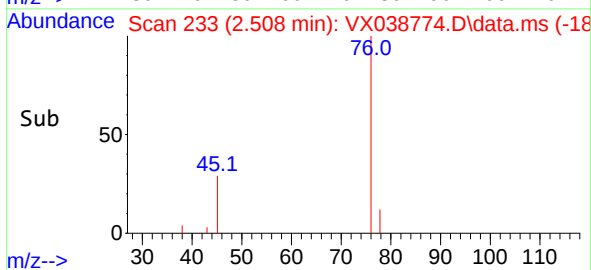
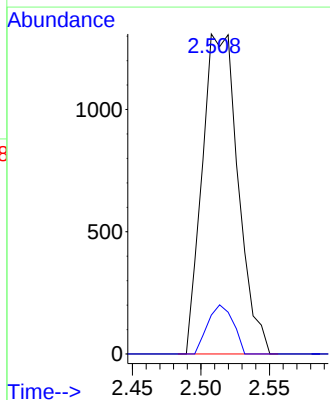
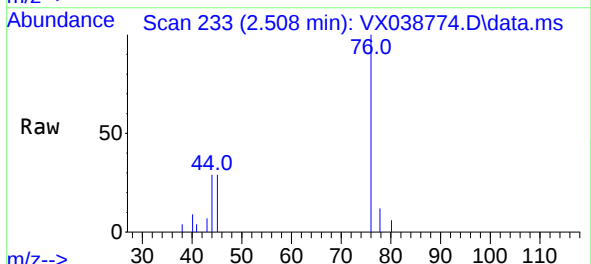
Instrument : MSVOA_X
ClientSampleId : FSND-EVAL-01D-20231102DL

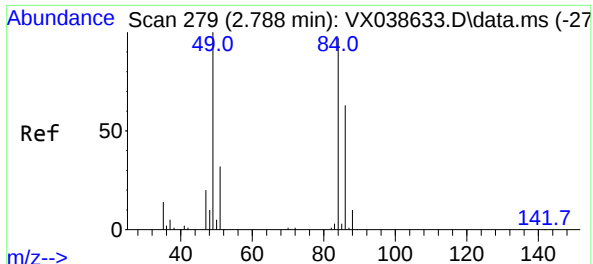
Tgt Ion: 43 Resp: 853
Ion Ratio Lower Upper
43 100
58 31.9 21.9 32.9



#17
Carbon Disulfide
Concen: 0.331 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX038774.D
Acq: 13 Nov 2023 12:27

Tgt Ion: 76 Resp: 2380
Ion Ratio Lower Upper
76 100
78 12.1 7.0 10.6#



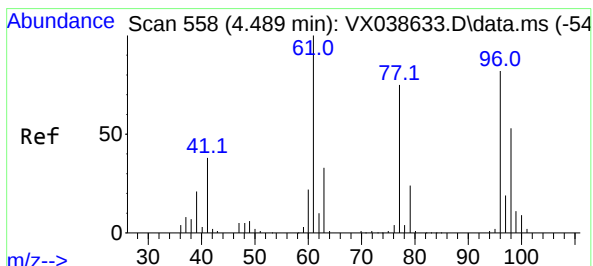
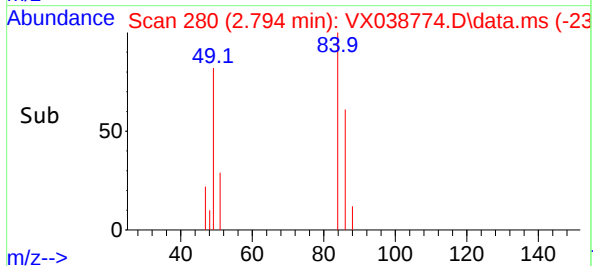
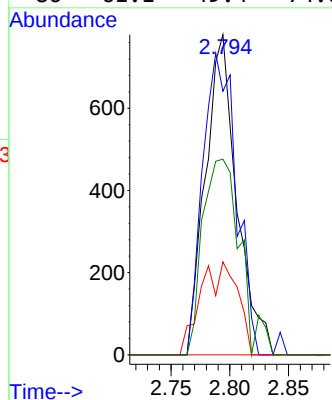
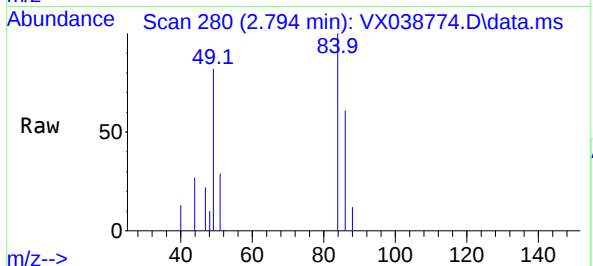


#20
Methylene Chloride
Concen: 0.472 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX038774.D
Acq: 13 Nov 2023 12:27

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

Tgt Ion: 84 Resp: 1448

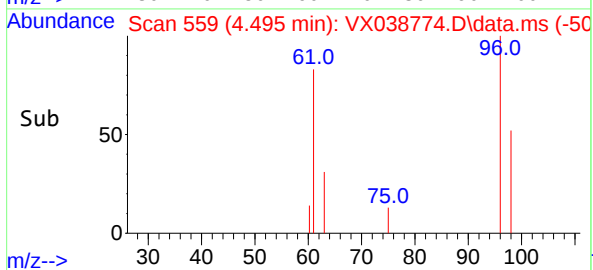
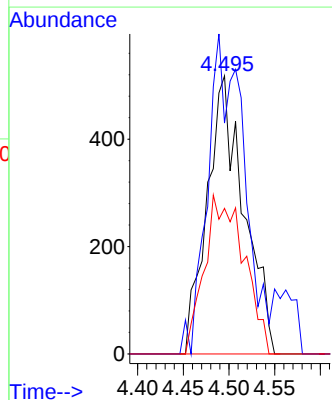
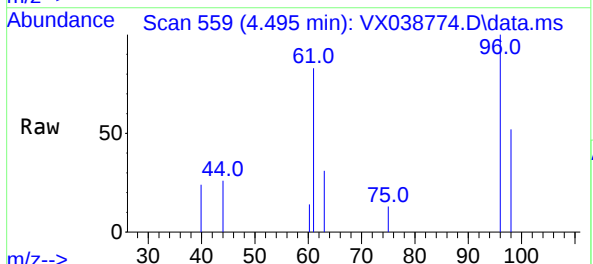
Ion	Ratio	Lower	Upper
84	100		
49	82.3	103.6	155.4#
51	29.0	33.8	50.6#
86	61.1	49.4	74.0

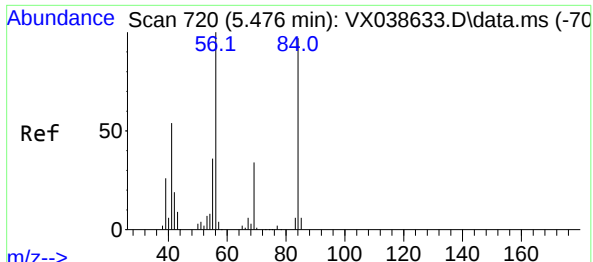


#27
cis-1,2-Dichloroethene
Concen: 0.426 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX038774.D
Acq: 13 Nov 2023 12:27

Tgt Ion: 96 Resp: 1453

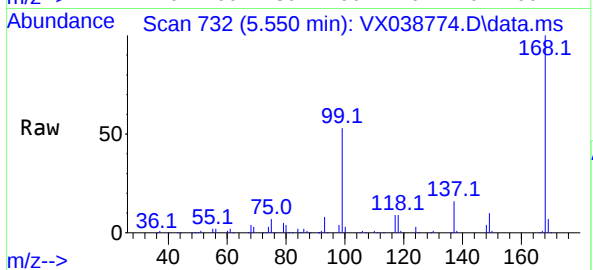
Ion	Ratio	Lower	Upper
96	100		
61	56.0	0.0	312.2
98	61.0	0.0	129.0



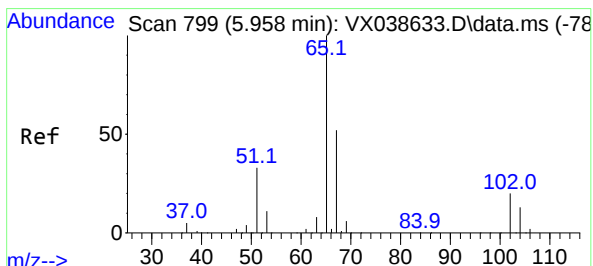
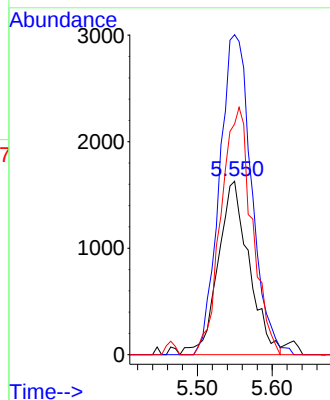
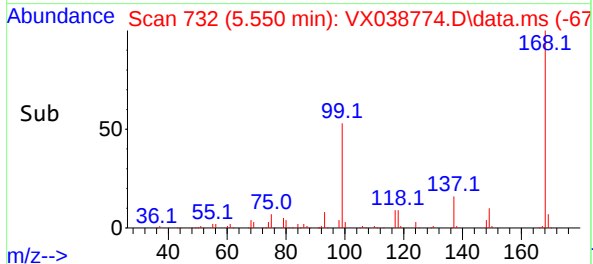


#31
Cyclohexane
Concen: 1.174 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.073 min
Lab File: VX038774.D
Acq: 13 Nov 2023 12:27

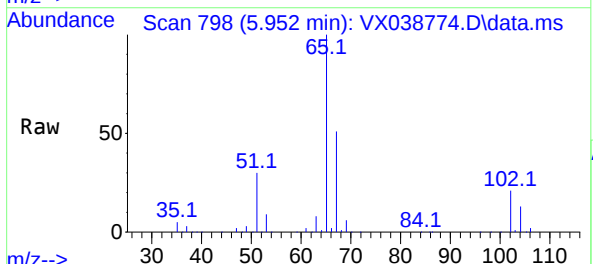
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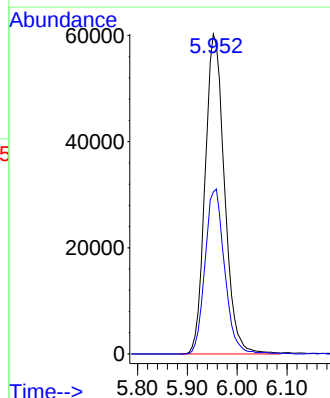
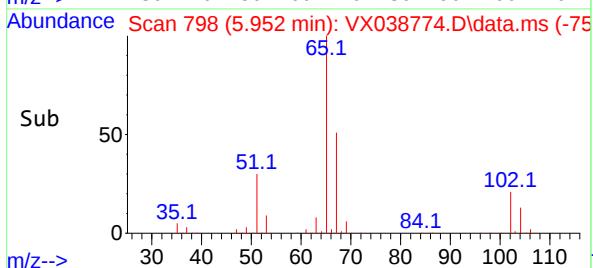
Tgt Ion: 56 Resp: 4697
Ion Ratio Lower Upper
56 100
69 184.5 23.4 35.2#
84 133.0 65.9 98.9#

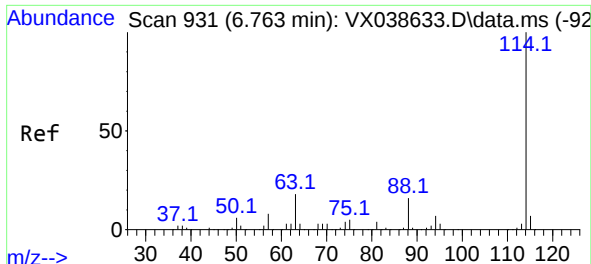


#33
1,2-Dichloroethane-d4
Concen: 45.029 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX038774.D
Acq: 13 Nov 2023 12:27



Tgt Ion: 65 Resp: 162789
Ion Ratio Lower Upper
65 100
67 51.9 0.0 100.2

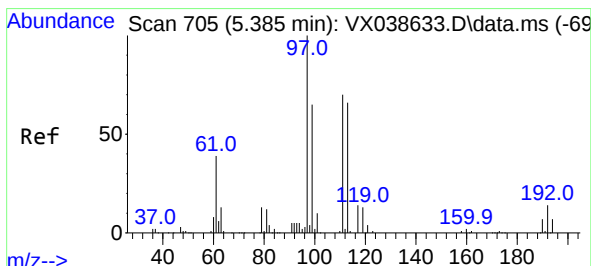
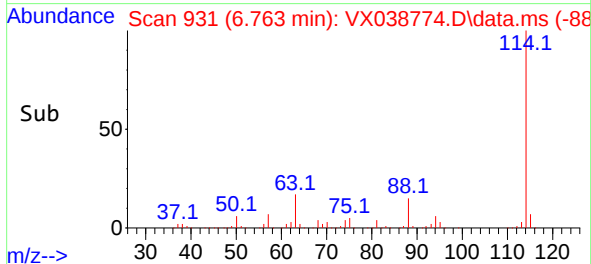
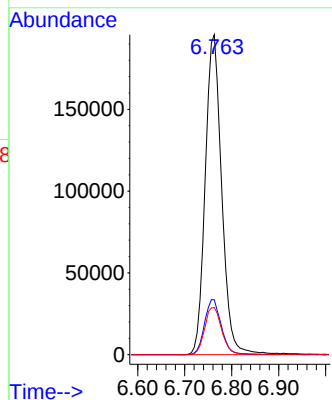
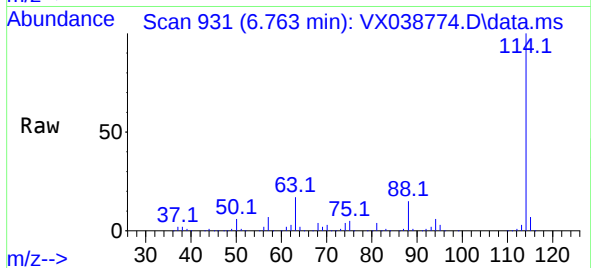




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX038774.D
Acq: 13 Nov 2023 12:27

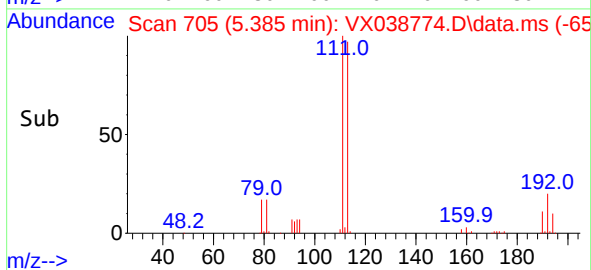
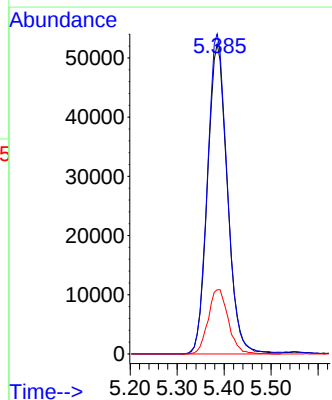
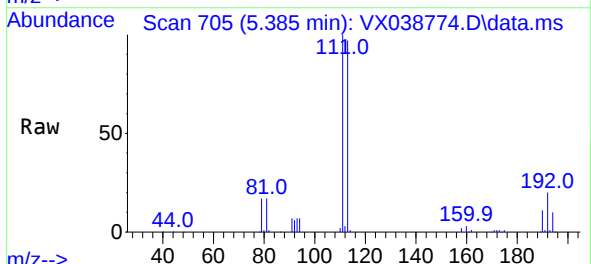
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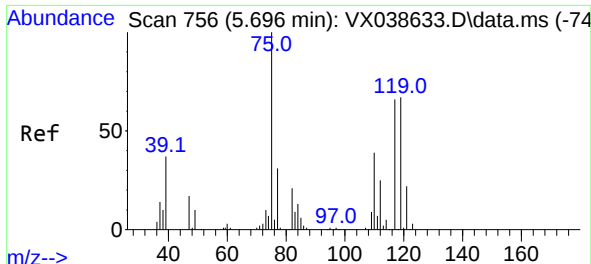
Tgt Ion:114 Resp: 475032
Ion Ratio Lower Upper
114 100
63 17.2 0.0 45.0
88 14.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.827 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038774.D
Acq: 13 Nov 2023 12:27

Tgt Ion:113 Resp: 153369
Ion Ratio Lower Upper
113 100
111 103.0 82.9 124.3
192 21.0 13.3 19.9#

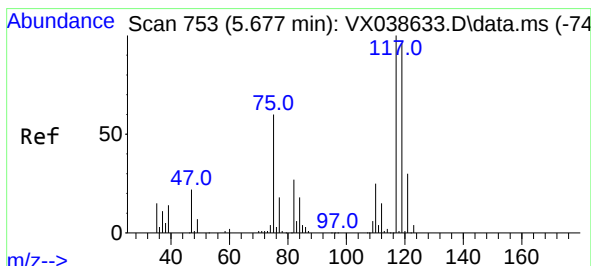
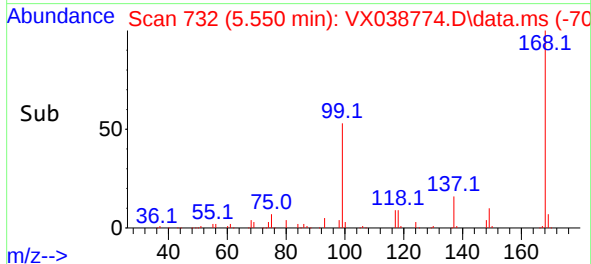
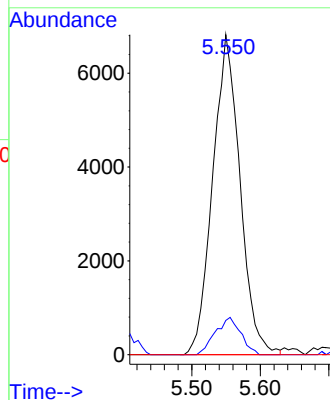
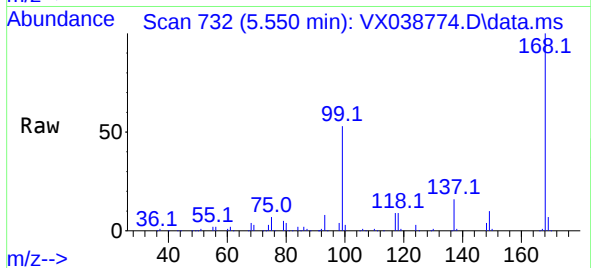




#36
1,1-Dichloropropene
Concen: 4.432 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX038774.D
Acq: 13 Nov 2023 12:27

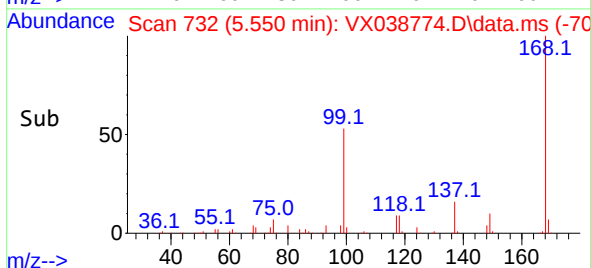
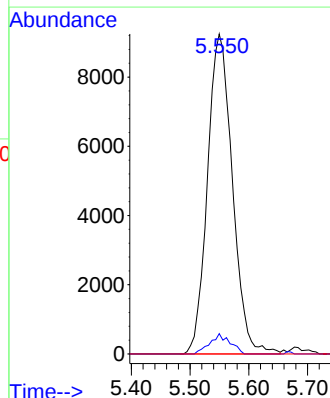
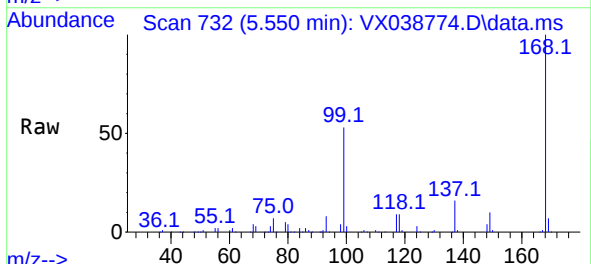
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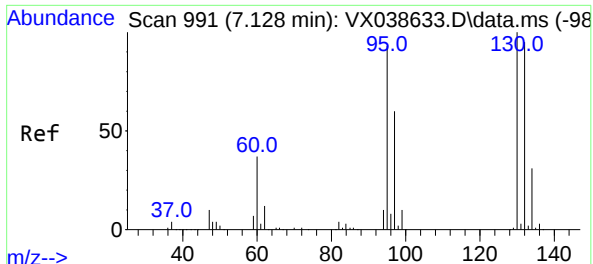
Tgt Ion: 75 Resp: 18837
Ion Ratio Lower Upper
75 100
110 10.9 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.737 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX038774.D
Acq: 13 Nov 2023 12:27

Tgt Ion: 117 Resp: 27258
Ion Ratio Lower Upper
117 100
119 6.3 78.2 117.2#
121 0.0 24.4 36.6#

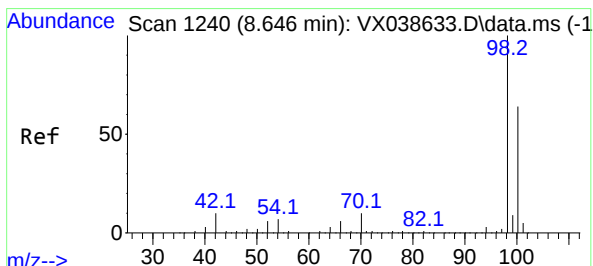
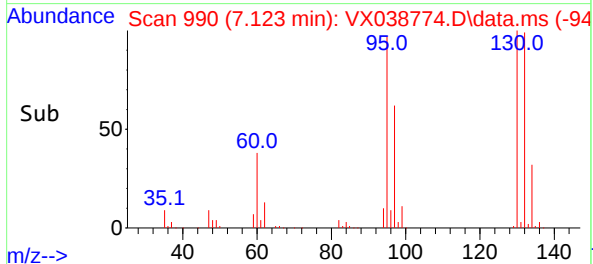
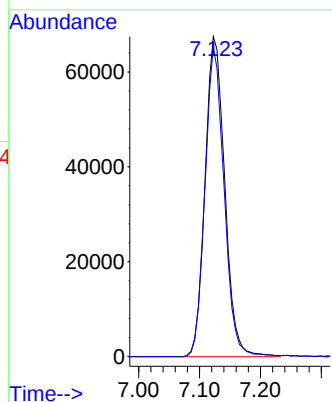
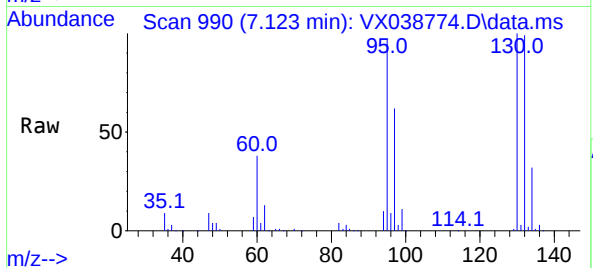




#44
Trichloroethene
Concen: 39.682 ug/l
RT: 7.123 min Scan# 991
Delta R.T. -0.006 min
Lab File: VX038774.D
Acq: 13 Nov 2023 12:27

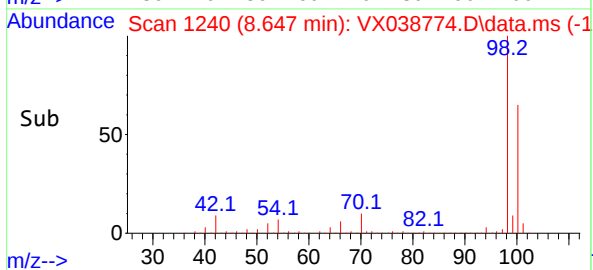
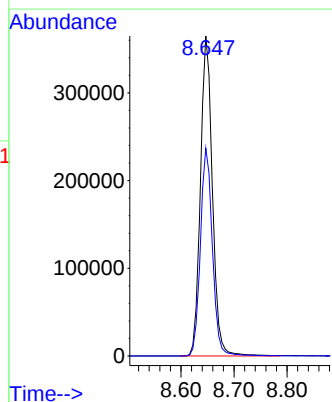
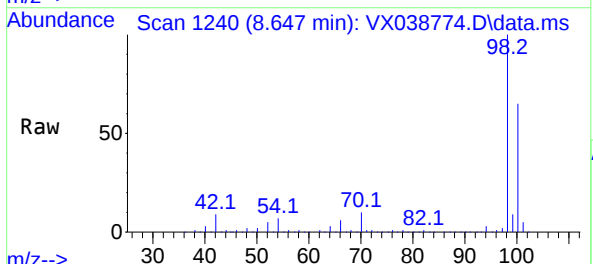
Instrument :
MSVOA_X
ClientSampleId :
FSND-EVAL-01D-20231102DL

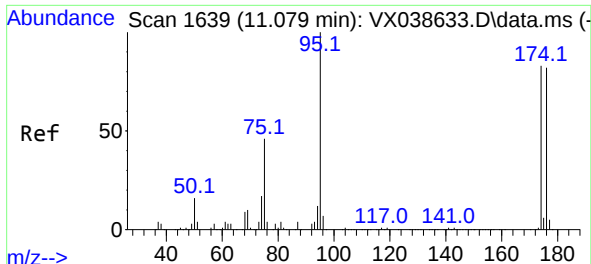
Tgt Ion:130 Resp: 151138
Ion Ratio Lower Upper
130 100
95 96.8 0.0 204.4



#50
Toluene-d8
Concen: 46.782 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX038774.D
Acq: 13 Nov 2023 12:27

Tgt Ion: 98 Resp: 572744
Ion Ratio Lower Upper
98 100
100 65.0 53.1 79.7

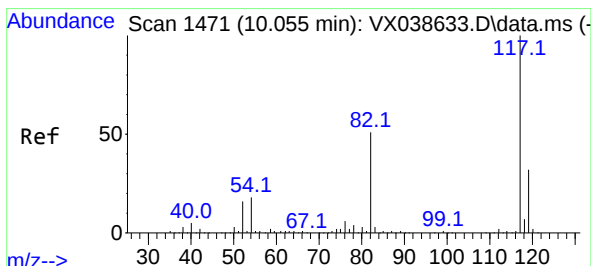
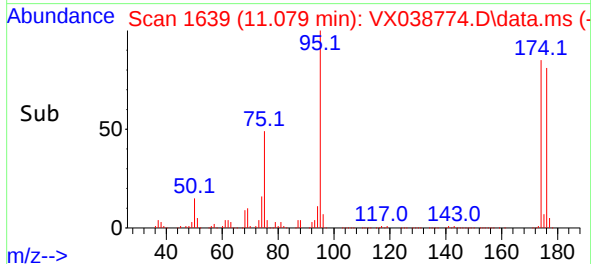
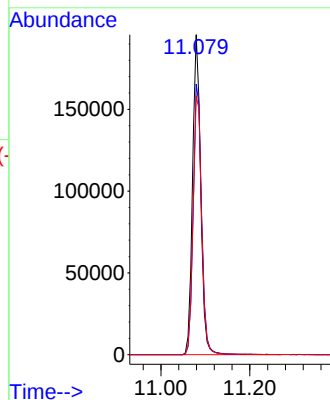
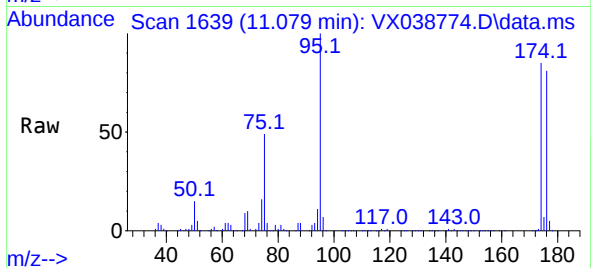




#62
4-Bromofluorobenzene
Concen: 52.191 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038774.D
Acq: 13 Nov 2023 12:27

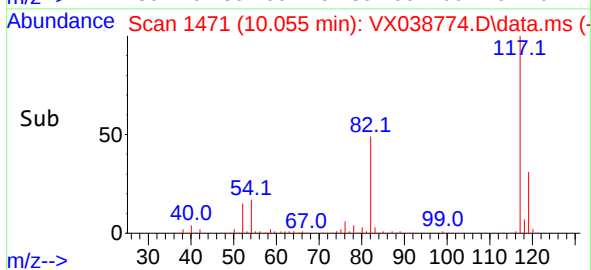
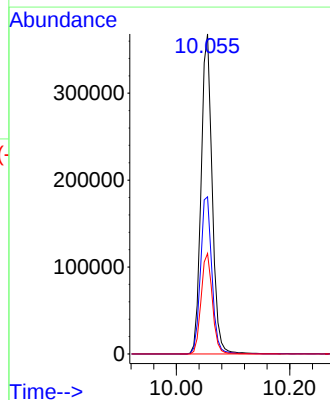
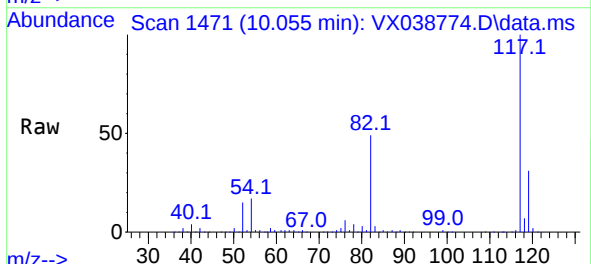
Instrument :
MSVOA_X
ClientSampleId :
FSND-EVAL-01D-20231102DL

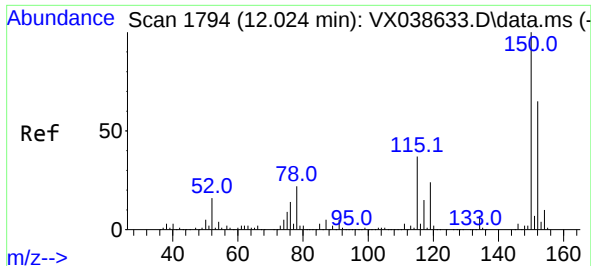
Tgt Ion: 95 Resp: 247737
Ion Ratio Lower Upper
95 100
174 87.4 0.0 135.6
176 84.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038774.D
Acq: 13 Nov 2023 12:27

Tgt Ion: 117 Resp: 499485
Ion Ratio Lower Upper
117 100
82 49.1 46.2 69.4
119 31.4 25.5 38.3

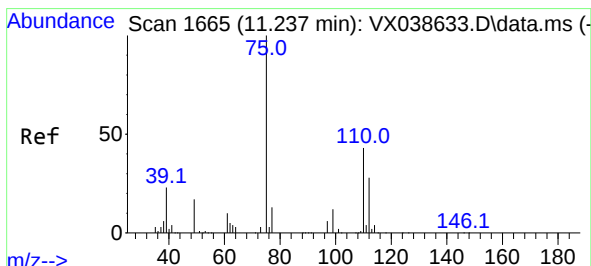
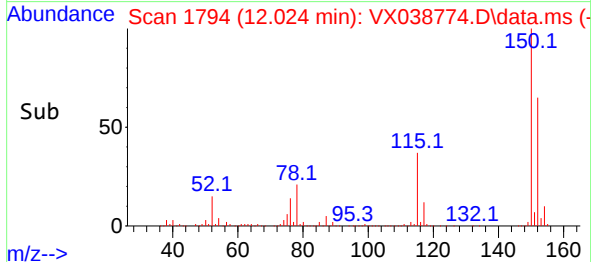
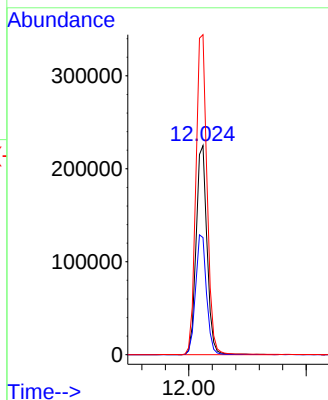
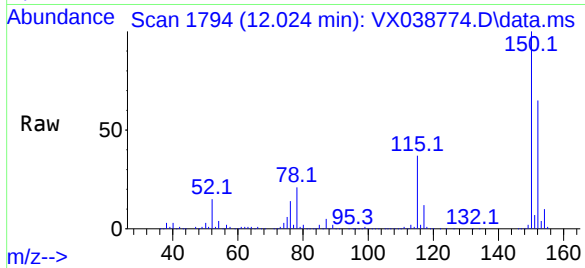




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038774.D
Acq: 13 Nov 2023 12:27

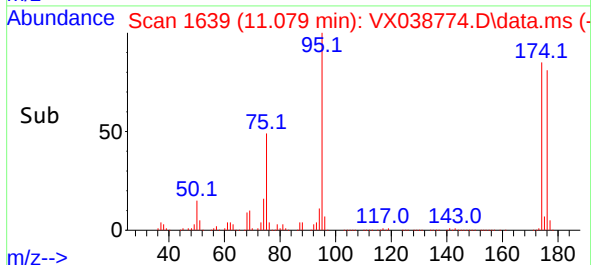
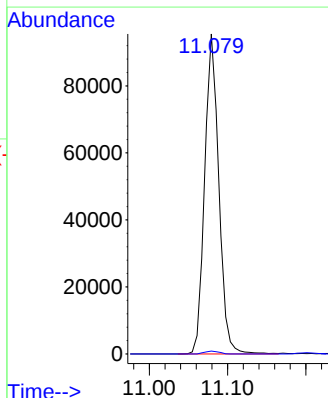
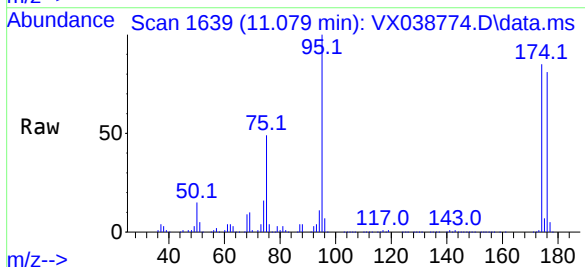
Instrument :
MSVOA_X
ClientSampleId :
FSND-EVAL-01D-20231102DL

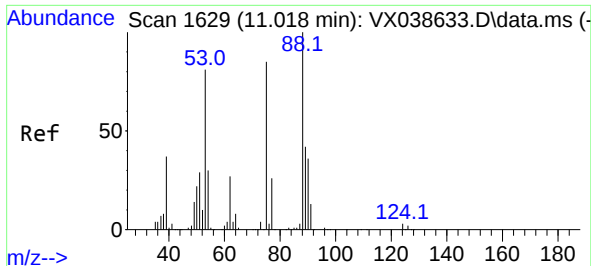
Tgt Ion:152 Resp: 289976
Ion Ratio Lower Upper
152 100
115 57.6 43.3 129.9
150 156.6 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 20.826 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX038774.D
Acq: 13 Nov 2023 12:27

Tgt Ion: 75 Resp: 119600
Ion Ratio Lower Upper
75 100
77 0.9 19.1 57.5#

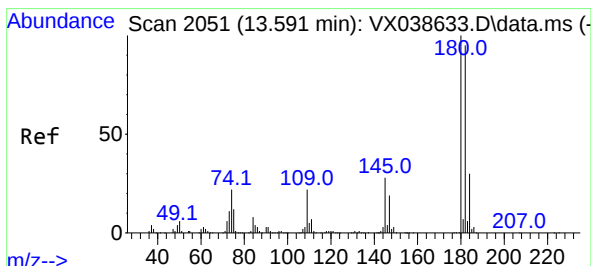
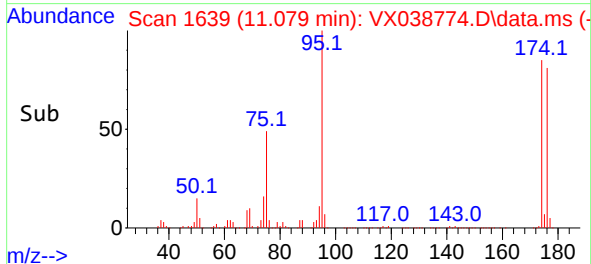
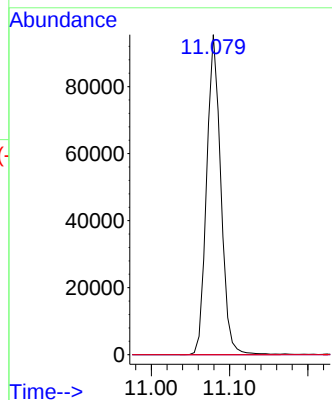
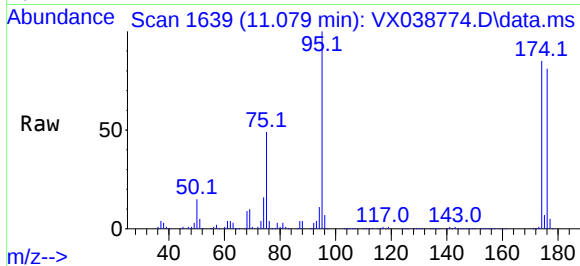




#81
trans-1,4-Dichloro-2-butene
Concen: 63.363 ug/l
RT: 11.079 min Scan# 110
Delta R.T. 0.061 min
Lab File: VX038774.D
Acq: 13 Nov 2023 12:27

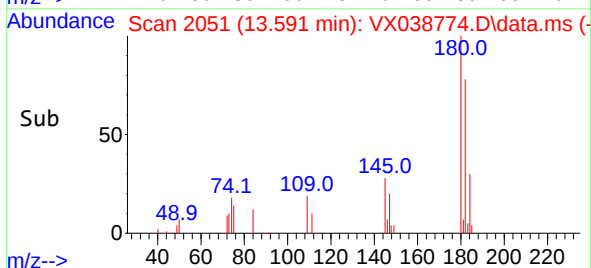
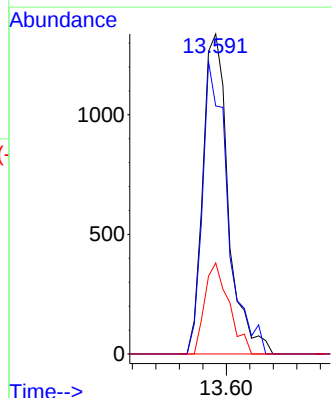
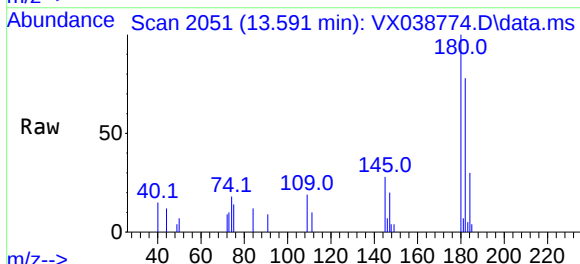
Instrument :
MSVOA_X
ClientSampleId :
FSND-EVAL-01D-20231102DL

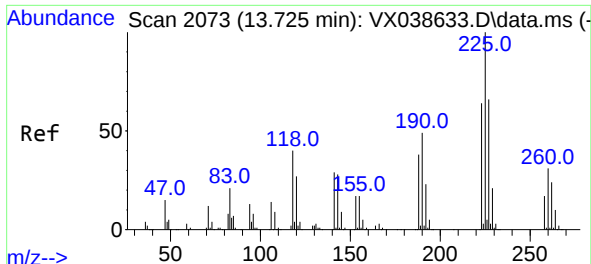
Tgt Ion: 75 Resp: 119600
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.308 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX038774.D
Acq: 13 Nov 2023 12:27

Tgt Ion:180 Resp: 2011
Ion Ratio Lower Upper
180 100
182 90.6 48.3 144.8
145 27.1 18.0 54.0

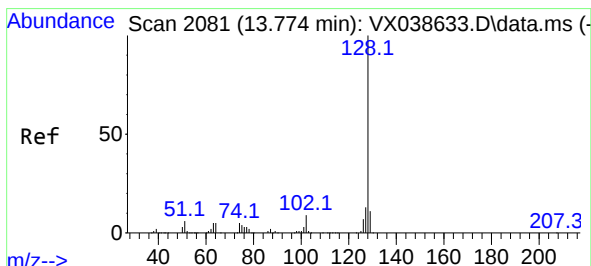
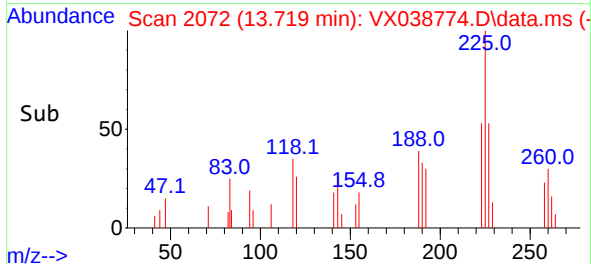
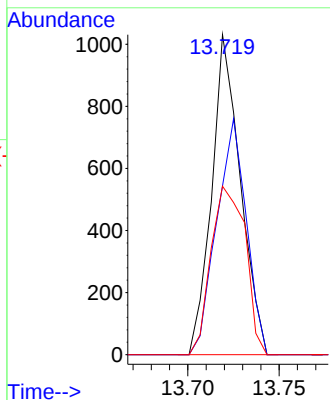
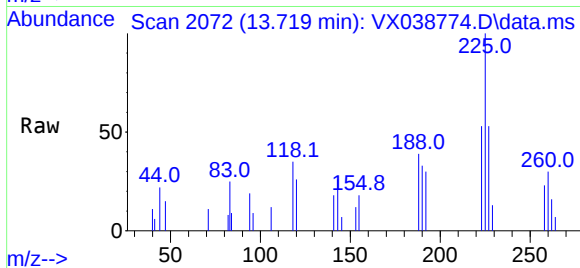




#94
Hexachlorobutadiene
Concen: 0.400 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX038774.D
Acq: 13 Nov 2023 12:27

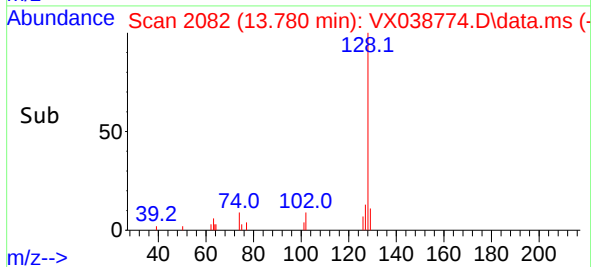
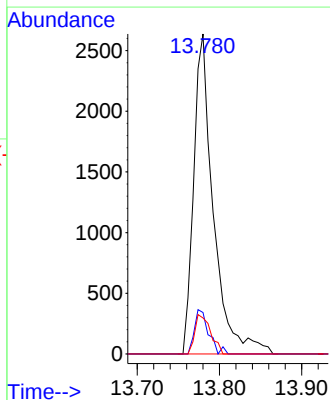
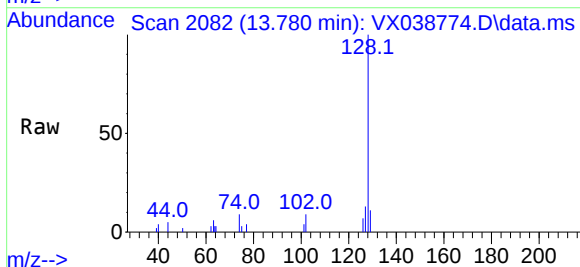
Instrument :
MSVOA_X
ClientSampleId :
FSND-EVAL-01D-20231102DL

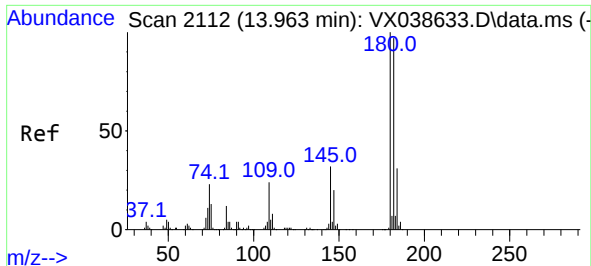
Tgt Ion:	225	Resp:	1126
Ion	Ratio	Lower	Upper
225	100		
223	76.2	31.1	93.2
227	62.9	32.5	97.5



#95
Naphthalene
Concen: 0.223 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX038774.D
Acq: 13 Nov 2023 12:27

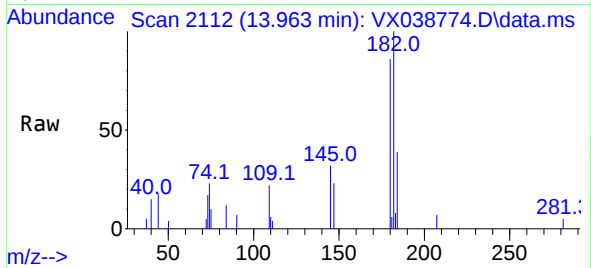
Tgt Ion:	128	Resp:	4378
Ion	Ratio	Lower	Upper
128	100		
127	10.0	10.3	15.5#
129	9.9	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.243 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.000 min
 Lab File: VX038774.D
 Acq: 13 Nov 2023 12:27

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



Tgt Ion:	180	Resp:	1564
Ion	Ratio	Lower	Upper
180	100		
182	101.9	46.9	140.6
145	35.0	17.8	53.5

