

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081423\
 Data File : VX036968.D
 Acq On : 14 Aug 2023 16:36
 Operator : JC/MD
 Sample : 03985-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PNNL-APM2-0811-1

Quant Time: Aug 15 01:29:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

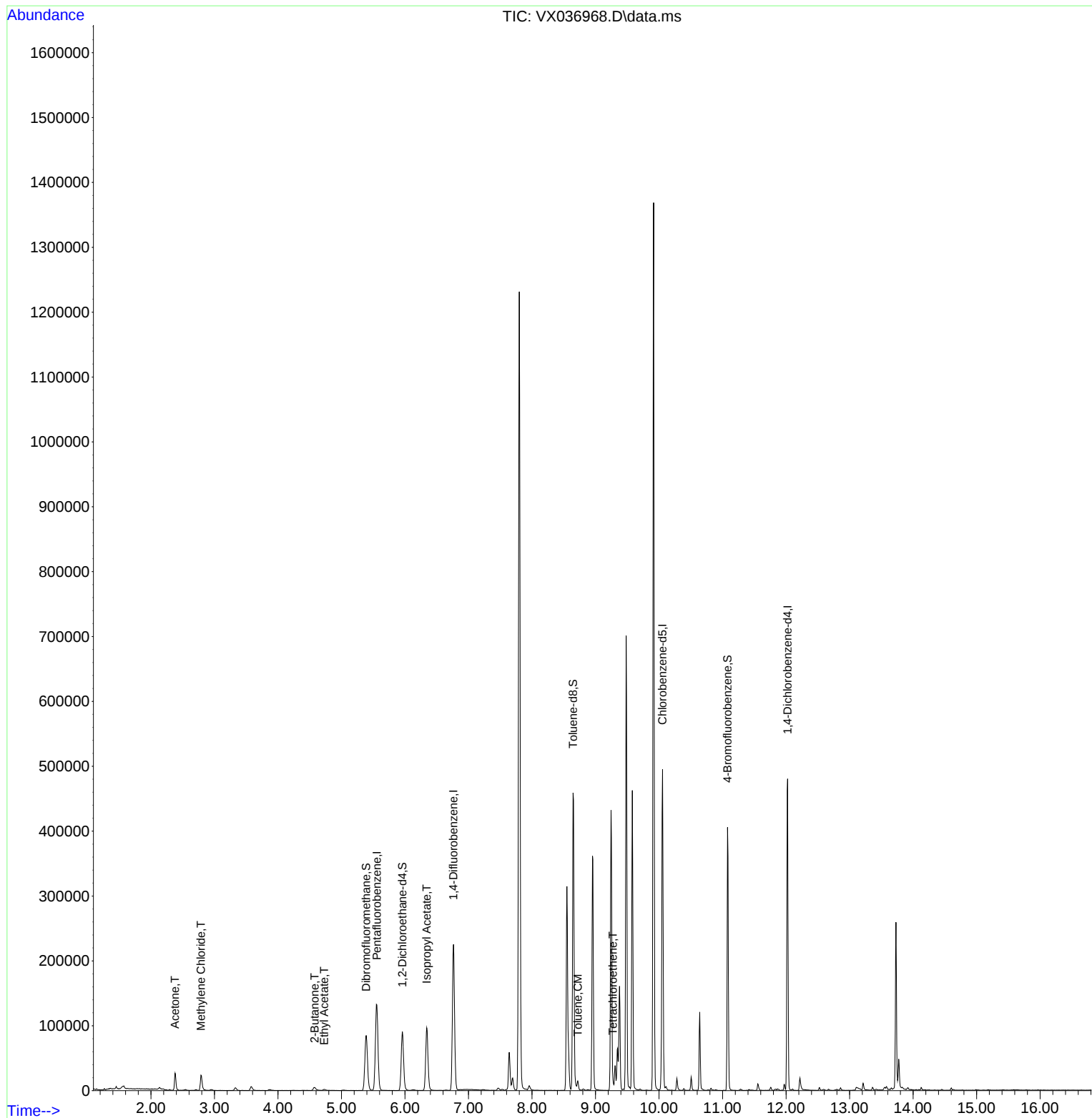
Internal Standards						
1) Pentafluorobenzene	5.556	168	124928	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	231329	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	220104	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100304	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	90024	48.701	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.400%
35) Dibromofluoromethane	5.385	113	74631	46.937	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.880%
50) Toluene-d8	8.647	98	275589	48.876	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.760%
62) 4-Bromofluorobenzene	11.079	95	108974	51.225	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.460%
Target Compounds						
					Qvalue	
16) Acetone	2.380	43	27667	36.069	ug/l	94
20) Methylene Chloride	2.788	84	12546	7.354	ug/l	88
25) 2-Butanone	4.574	43	7850	6.308	ug/l #	90
37) Ethyl Acetate	4.727	43	2825	1.053	ug/l	99
43) Isopropyl Acetate	6.342	43	132104	28.610	ug/l #	94
52) Toluene	8.720	92	4360	1.009	ug/l	92
64) Tetrachloroethene	9.275	164	2120	1.291	ug/l	94

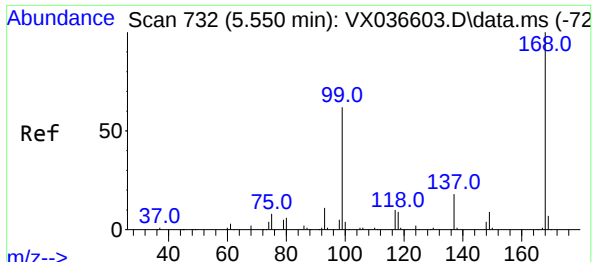
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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PNNL-APM2-0811-1

Quant Time: Aug 15 01:29:59 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
Response via : Initial Calibration

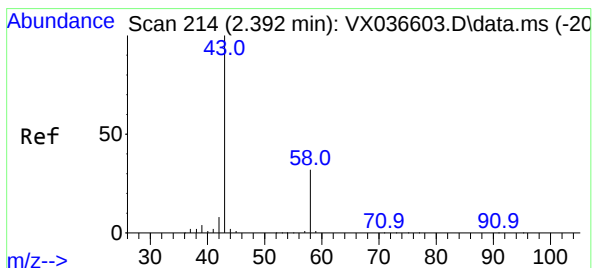
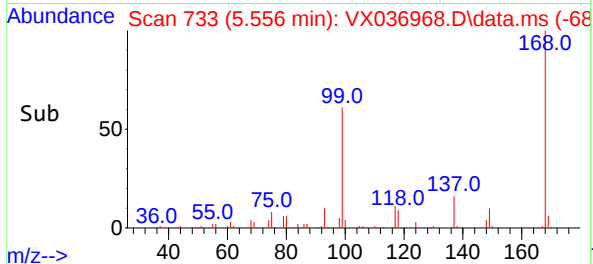
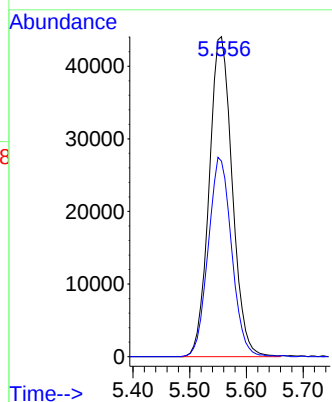
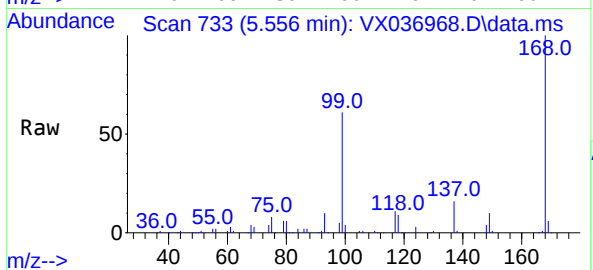




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX036968.D
Acq: 14 Aug 2023 16:36

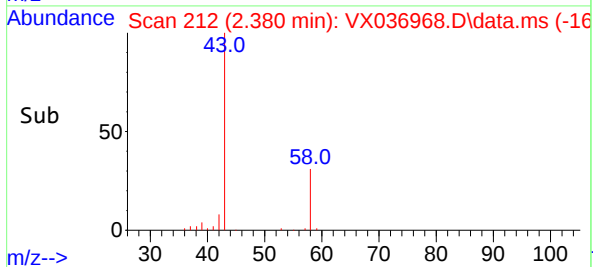
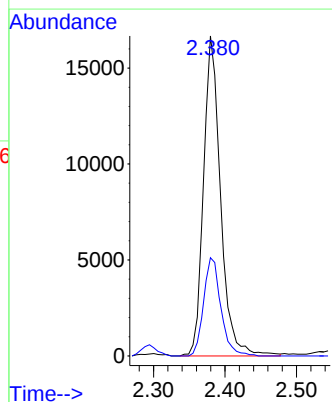
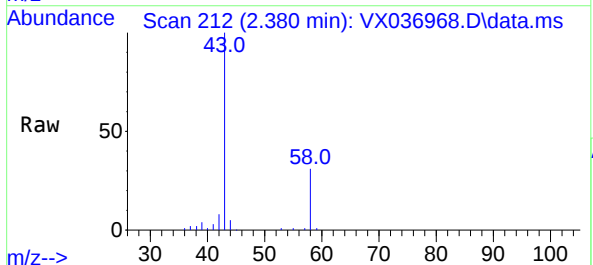
Instrument :
MSVOA_X
ClientSampleId :
PNNL-APM2-0811-1

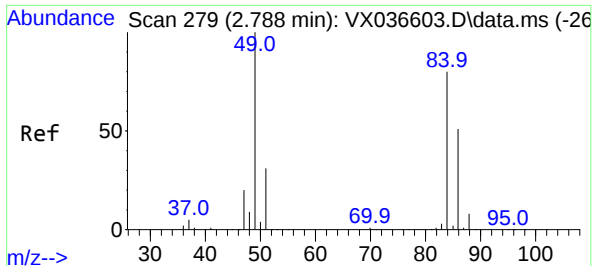
Tgt Ion:168 Resp: 124928
Ion Ratio Lower Upper
168 100
99 61.1 56.6 85.0



#16
Acetone
Concen: 36.069 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX036968.D
Acq: 14 Aug 2023 16:36

Tgt Ion: 43 Resp: 27667
Ion Ratio Lower Upper
43 100
58 30.7 21.9 32.9



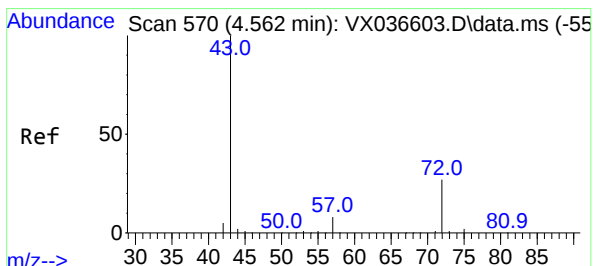
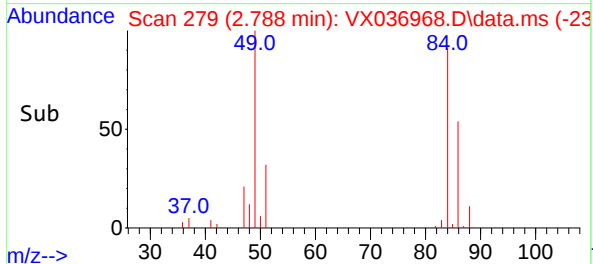
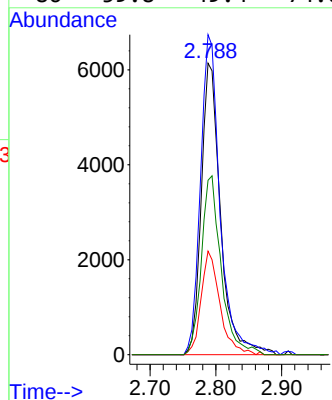
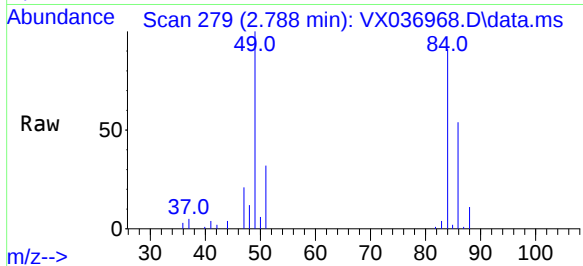


#20
Methylene Chloride
Concen: 7.354 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX036968.D
Acq: 14 Aug 2023 16:36

Instrument :
MSVOA_X
ClientSampleId :
PNNL-APM2-0811-1

Tgt Ion: 84 Resp: 12546

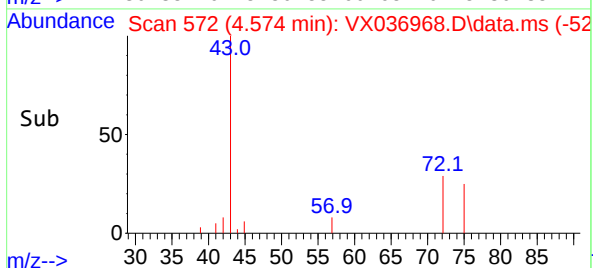
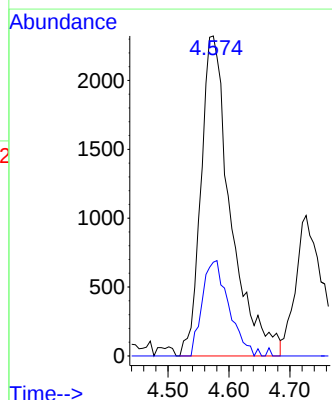
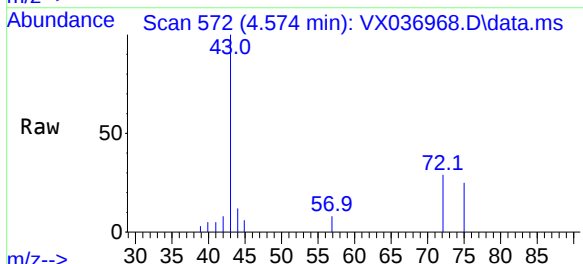
Ion	Ratio	Lower	Upper
84	100		
49	109.8	103.6	155.4
51	35.5	33.8	50.6
86	59.8	49.4	74.0

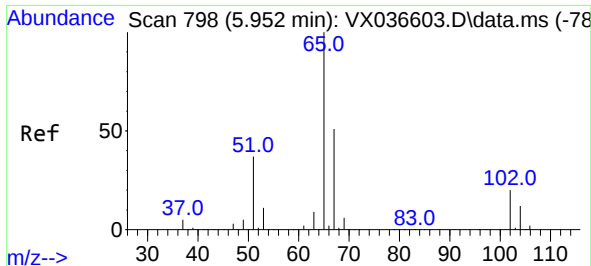


#25
2-Butanone
Concen: 6.308 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX036968.D
Acq: 14 Aug 2023 16:36

Tgt Ion: 43 Resp: 7850

Ion	Ratio	Lower	Upper
43	100		
72	29.3	19.4	29.2#

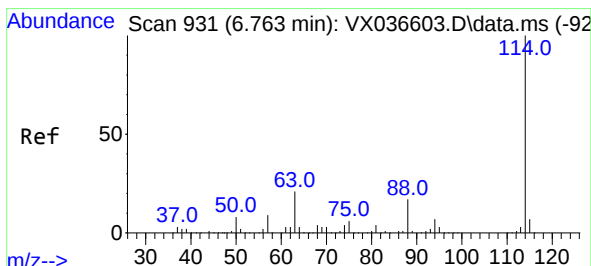
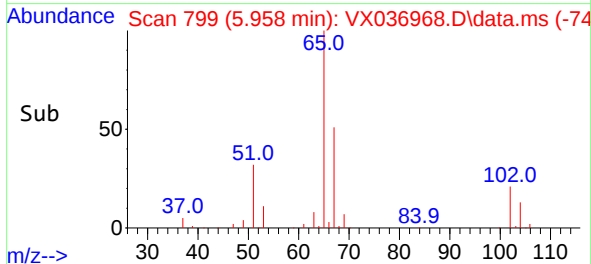
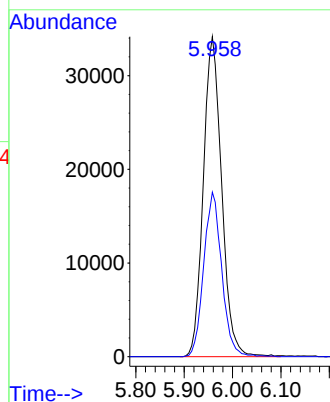
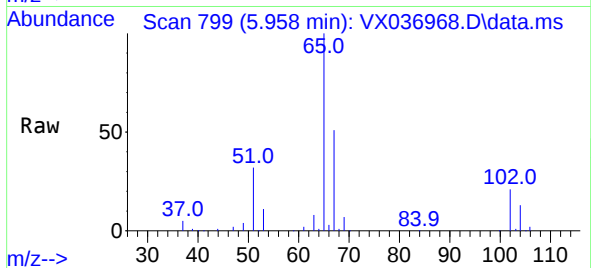




#33
1,2-Dichloroethane-d4
Concen: 48.701 ug/l
RT: 5.958 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX036968.D
Acq: 14 Aug 2023 16:36

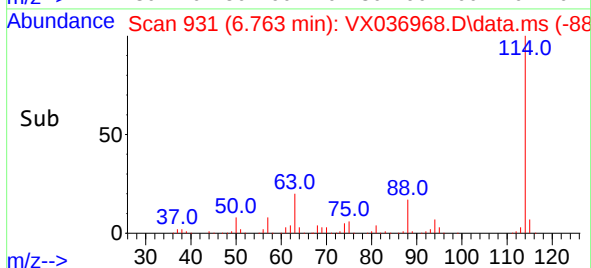
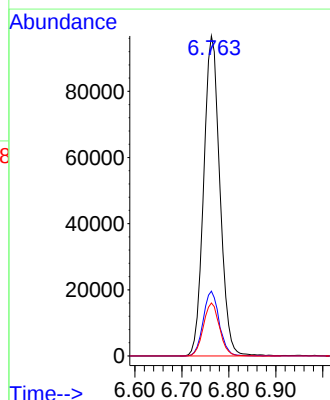
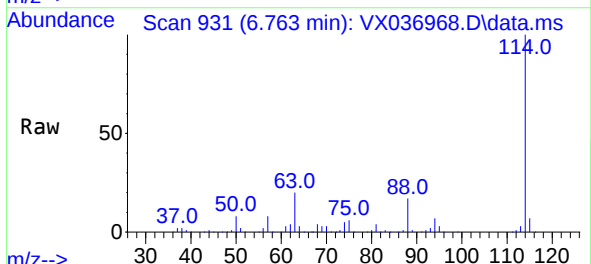
Instrument :
MSVOA_X
ClientSampleId :
PNNL-APM2-0811-1

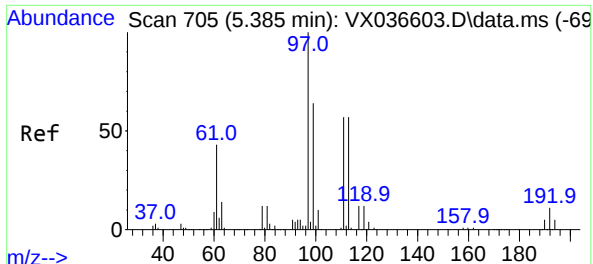
Tgt Ion: 65 Resp: 90024
Ion Ratio Lower Upper
65 100
67 50.5 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX036968.D
Acq: 14 Aug 2023 16:36

Tgt Ion: 114 Resp: 231329
Ion Ratio Lower Upper
114 100
63 20.3 0.0 45.0
88 16.5 0.0 36.6





#35

Dibromofluoromethane

Concen: 46.937 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX036968.D

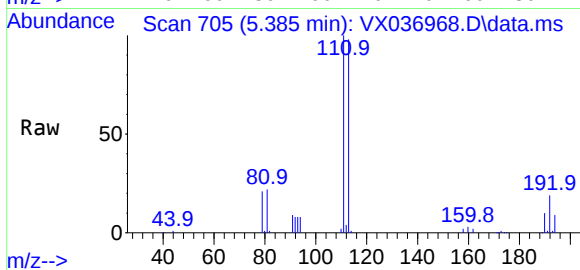
Acq: 14 Aug 2023 16:36

Instrument :

MSVOA_X

ClientSampleId :

PNNL-APM2-0811-1



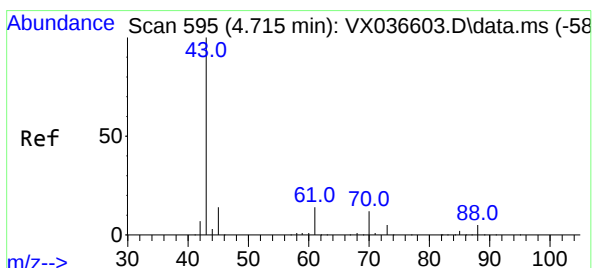
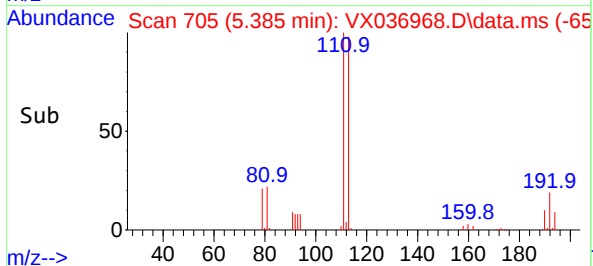
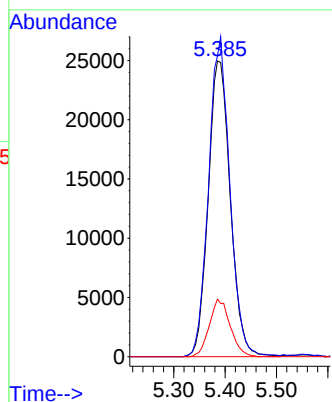
Tgt Ion:113 Resp: 74631

Ion Ratio Lower Upper

113 100

111 104.2 82.9 124.3

192 18.4 13.3 19.9



#37

Ethyl Acetate

Concen: 1.053 ug/l

RT: 4.727 min Scan# 597

Delta R.T. 0.012 min

Lab File: VX036968.D

Acq: 14 Aug 2023 16:36

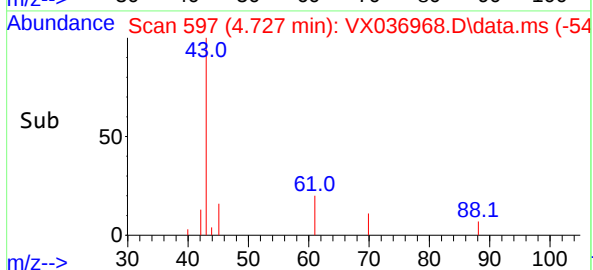
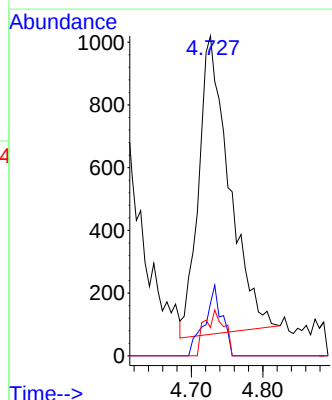
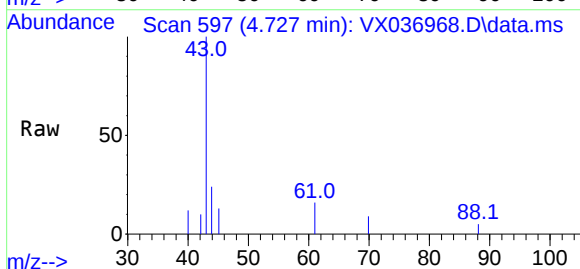
Tgt Ion: 43 Resp: 2825

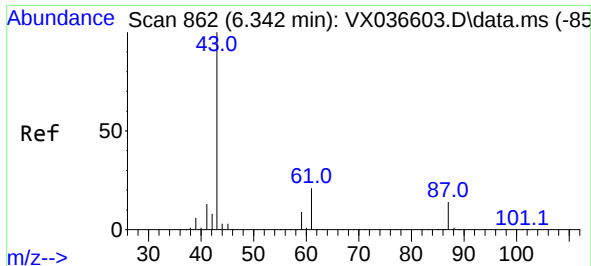
Ion Ratio Lower Upper

43 100

61 13.5 10.6 16.0

70 9.8 8.3 12.5

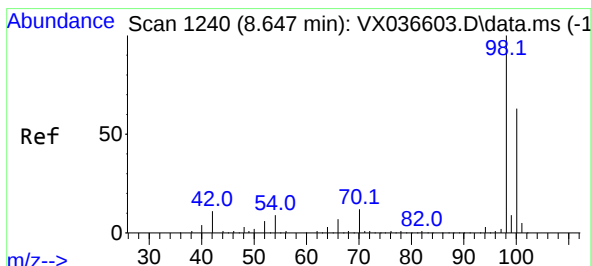
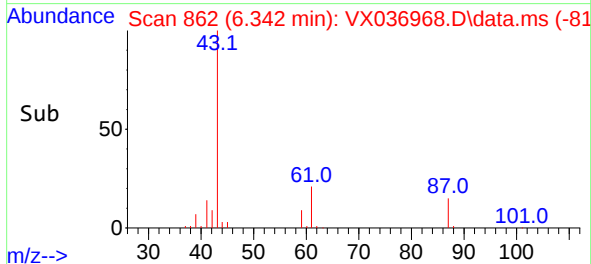
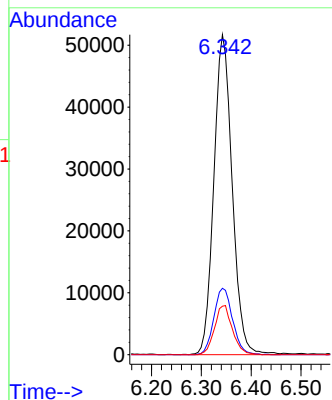
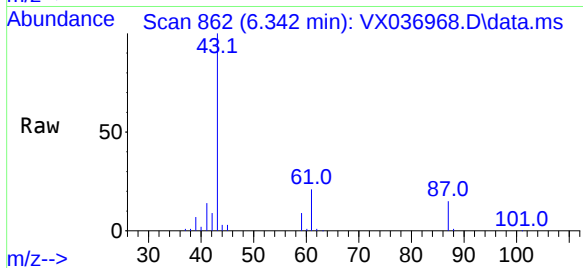




#43
Isopropyl Acetate
Concen: 28.610 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX036968.D
Acq: 14 Aug 2023 16:36

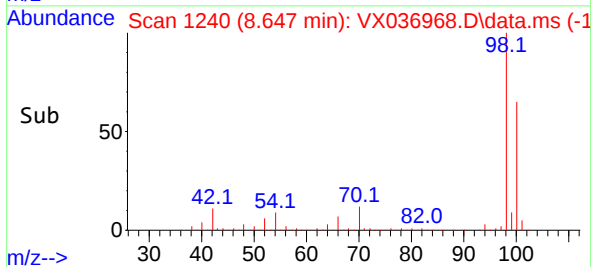
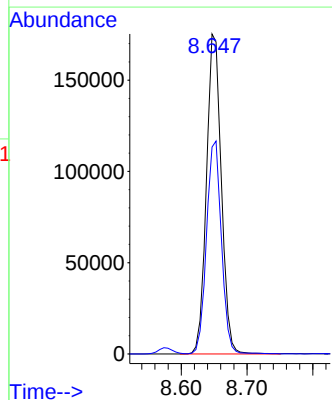
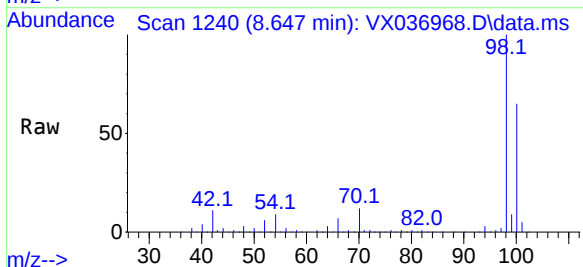
Instrument :
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ClientSampleId :
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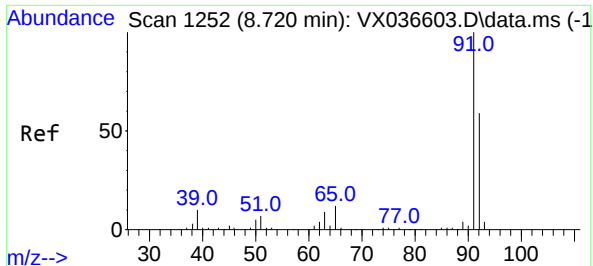
Tgt Ion: 43 Resp: 132104
Ion Ratio Lower Upper
43 100
61 21.2 15.2 22.8
87 15.0 9.8 14.6#



#50
Toluene-d8
Concen: 48.876 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX036968.D
Acq: 14 Aug 2023 16:36

Tgt Ion: 98 Resp: 275589
Ion Ratio Lower Upper
98 100
100 66.8 53.1 79.7

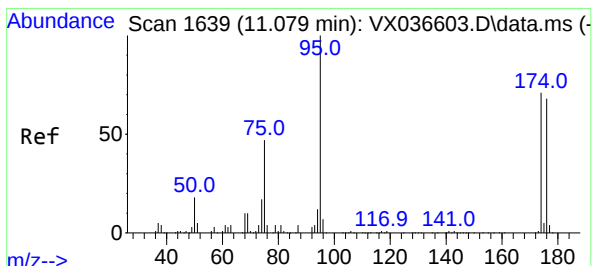
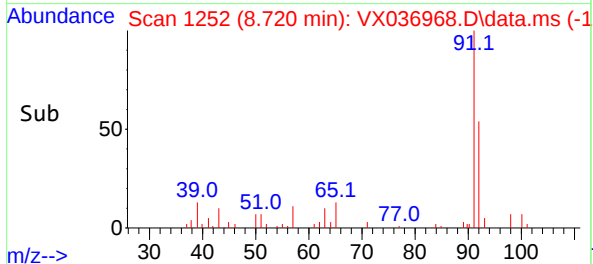
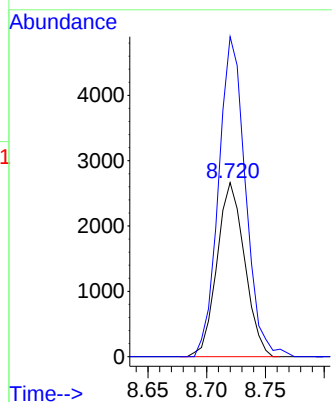
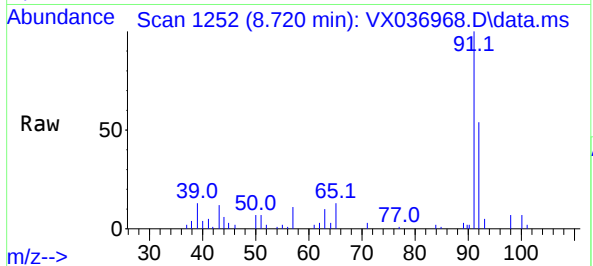




#52
Toluene
Concen: 1.009 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX036968.D
Acq: 14 Aug 2023 16:36

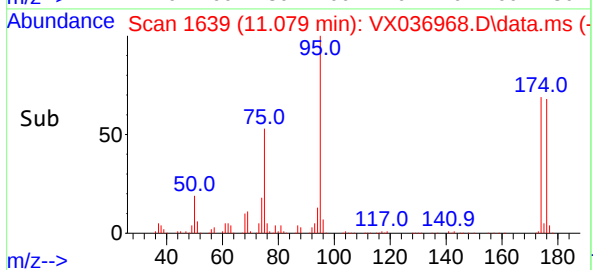
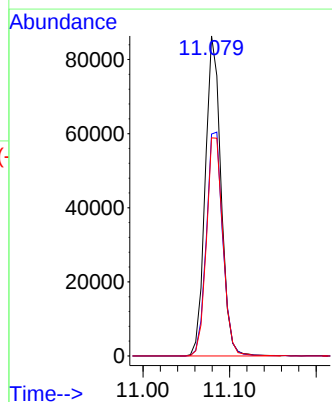
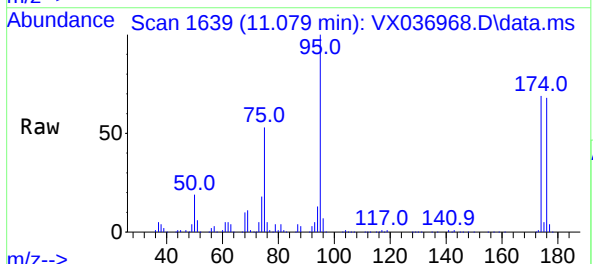
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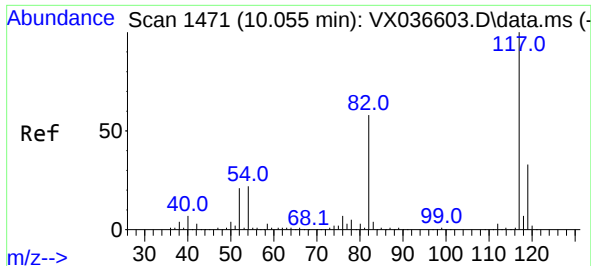
Tgt Ion: 92 Resp: 4360
Ion Ratio Lower Upper
92 100
91 179.2 134.2 201.2



#62
4-Bromofluorobenzene
Concen: 51.225 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX036968.D
Acq: 14 Aug 2023 16:36

Tgt Ion: 95 Resp: 108974
Ion Ratio Lower Upper
95 100
174 72.8 0.0 135.6
176 71.4 0.0 131.0

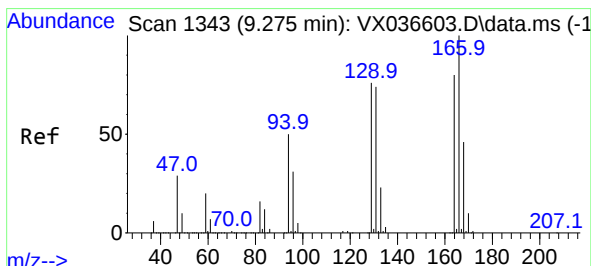
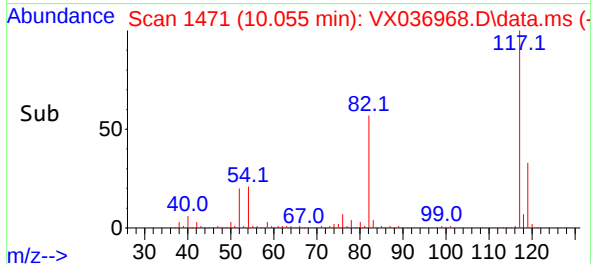
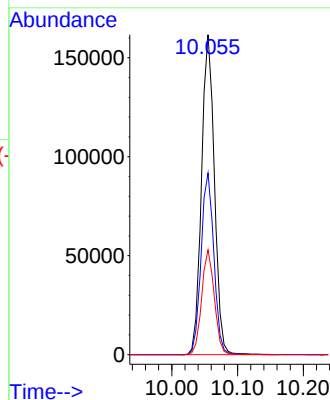
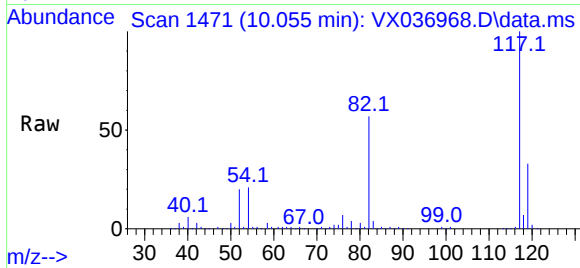




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036968.D
Acq: 14 Aug 2023 16:36

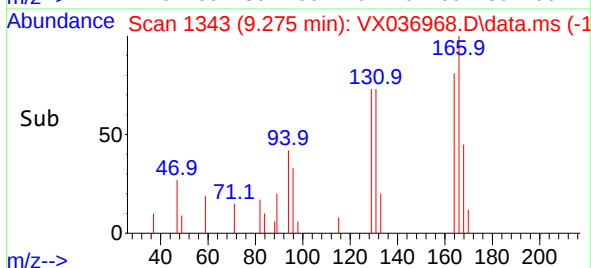
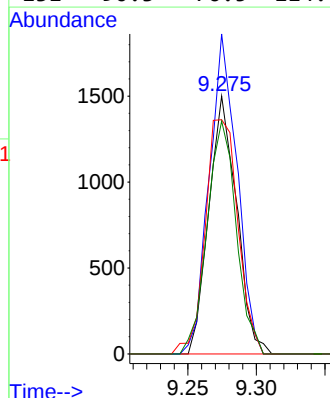
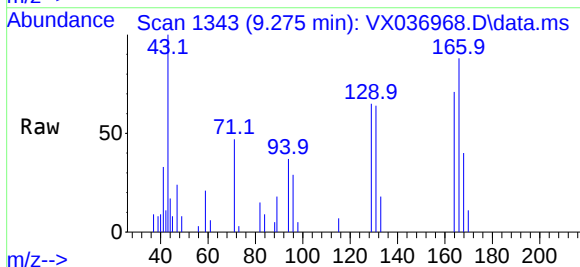
Instrument :
MSVOA_X
ClientSampleId :
PNNL-APM2-0811-1

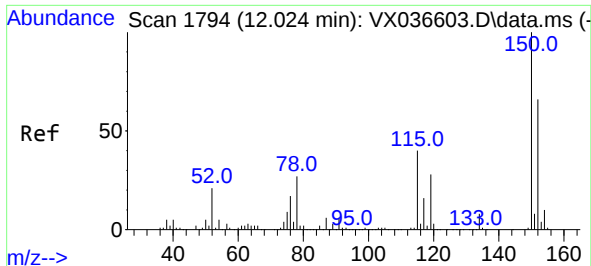
Tgt Ion:117 Resp: 220104
Ion Ratio Lower Upper
117 100
82 56.8 46.2 69.4
119 32.8 25.5 38.3



#64
Tetrachloroethene
Concen: 1.291 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX036968.D
Acq: 14 Aug 2023 16:36

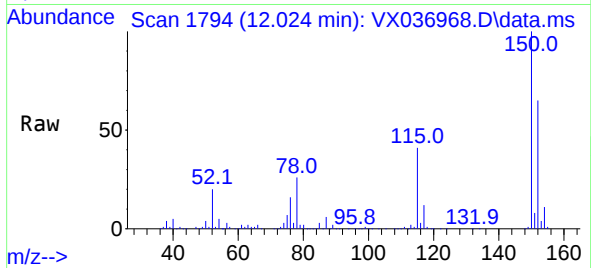
Tgt Ion:164 Resp: 2120
Ion Ratio Lower Upper
164 100
166 124.1 102.7 154.1
129 90.8 80.4 120.6
131 90.3 76.5 114.7





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX036968.D
 Acq: 14 Aug 2023 16:36

Instrument :
 MSVOA_X
 ClientSampleId :
 PNNL-APM2-0811-1



Tgt Ion:152 Resp: 100304
 Ion Ratio Lower Upper
 152 100
 115 62.7 43.3 129.9
 150 157.3 0.0 345.0

