

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081423\
 Data File : VX036969.D
 Acq On : 14 Aug 2023 17:00
 Operator : JC/MD
 Sample : 03985-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PNNL-APM2-0811-2

Quant Time: Aug 15 01:30:11 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)

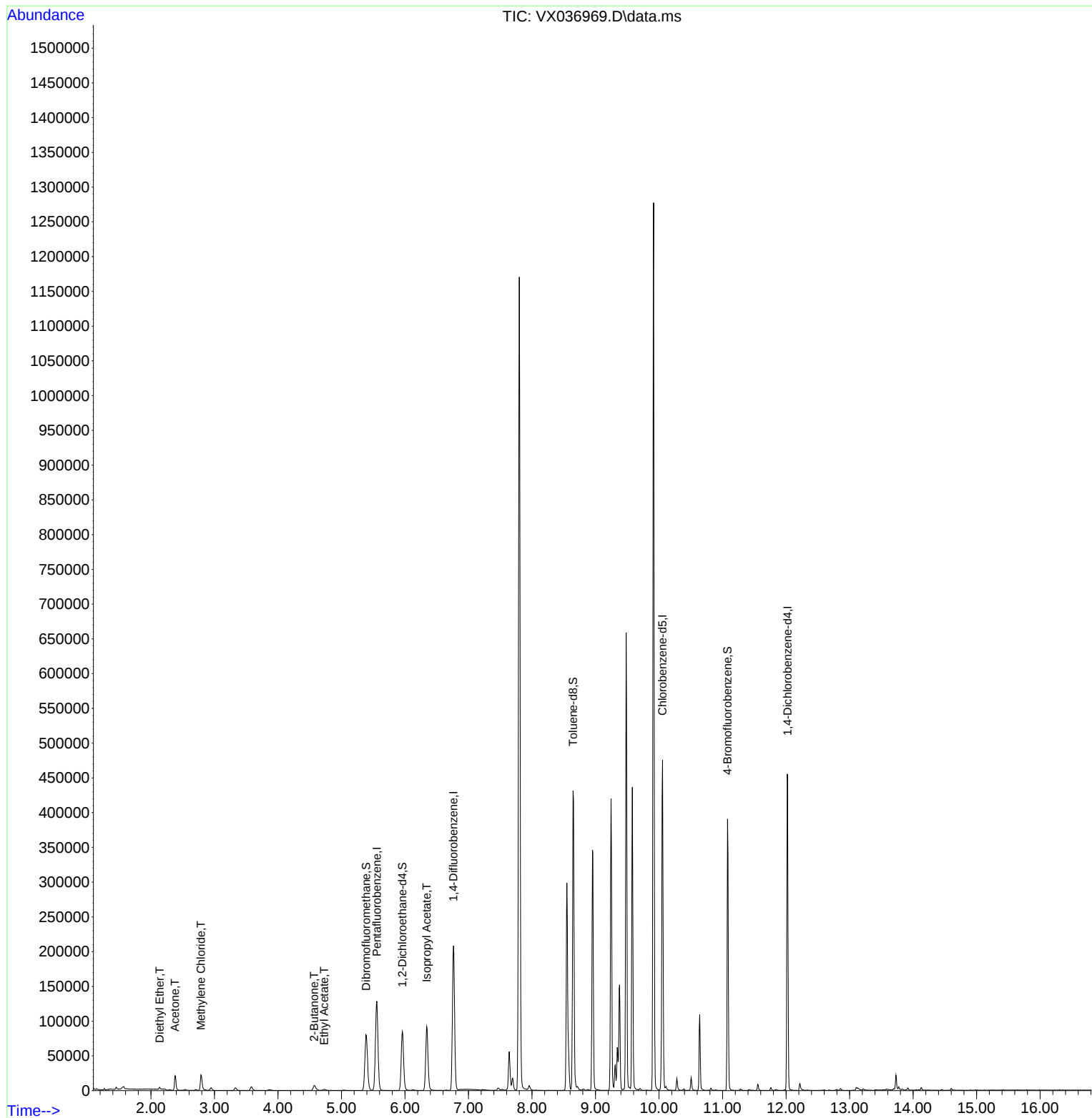
Internal Standards						
1) Pentafluorobenzene	5.556	168	116535	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	216315	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	208411	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	84354	48.921	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.840%
35) Dibromofluoromethane	5.385	113	70137	47.172	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.340%
50) Toluene-d8	8.647	98	259903	49.293	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.580%
62) 4-Bromofluorobenzene	11.079	95	103447	52.002	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.000%
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.136	74	997	1.171	ug/l	64
16) Acetone	2.380	43	22833	31.911	ug/l #	88
20) Methylene Chloride	2.788	84	12005	7.544	ug/l	90
25) 2-Butanone	4.568	43	7173	6.179	ug/l	96
37) Ethyl Acetate	4.727	43	3028	1.207	ug/l	95
43) Isopropyl Acetate	6.342	43	124086	28.739	ug/l #	94

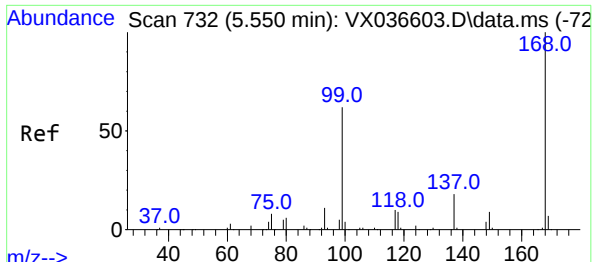
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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PNNL-APM2-0811-2

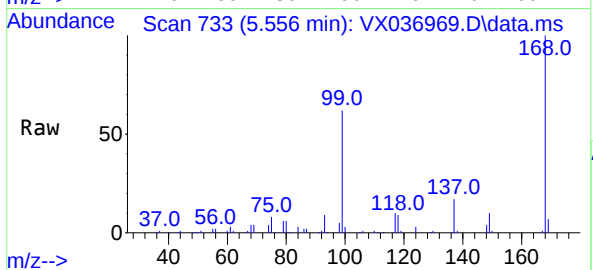
Quant Time: Aug 15 01:30:11 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
Response via : Initial Calibration



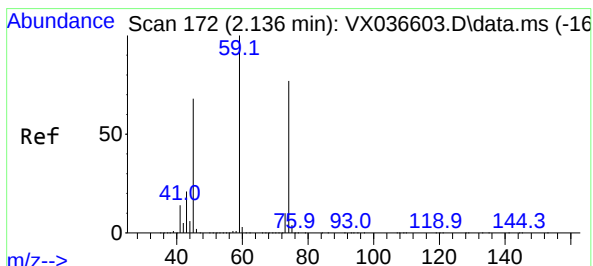
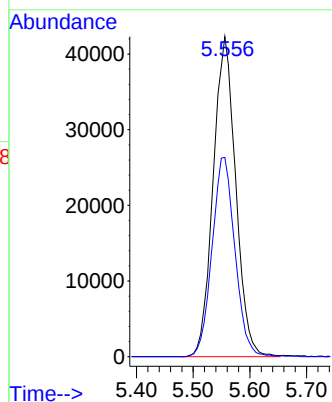
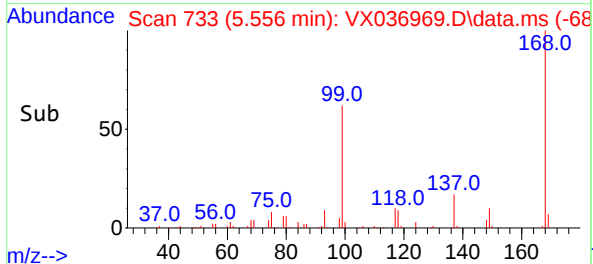


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX036969.D
Acq: 14 Aug 2023 17:00

Instrument :
MSVOA_X
ClientSampleId :
PNNL-APM2-0811-2

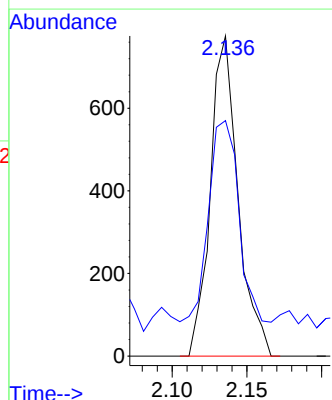
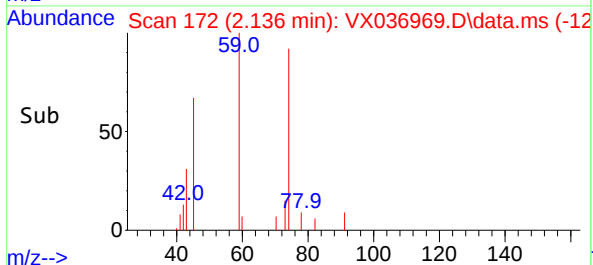
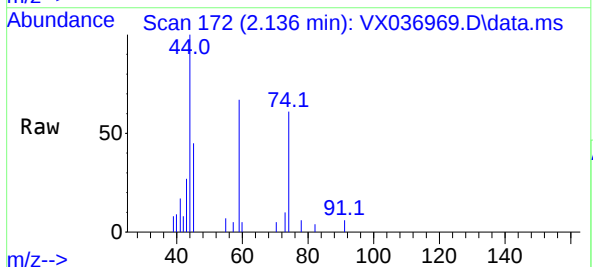


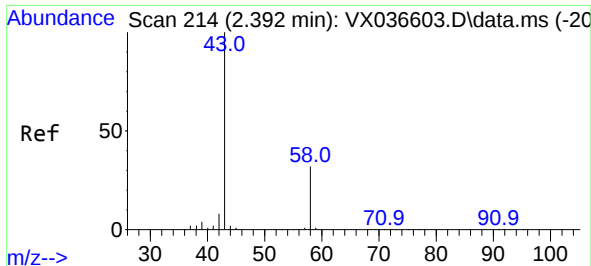
Tgt Ion:168 Resp: 116535
Ion Ratio Lower Upper
168 100
99 62.3 56.6 85.0



#8
Diethyl Ether
Concen: 1.171 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX036969.D
Acq: 14 Aug 2023 17:00

Tgt Ion: 74 Resp: 997
Ion Ratio Lower Upper
74 100
45 68.9 53.3 159.8

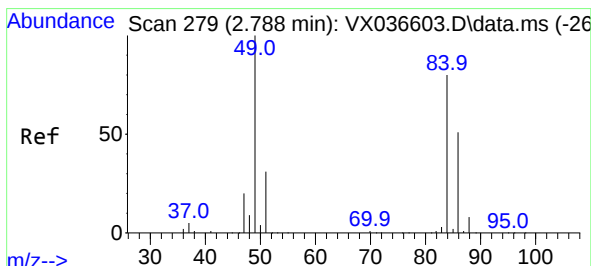
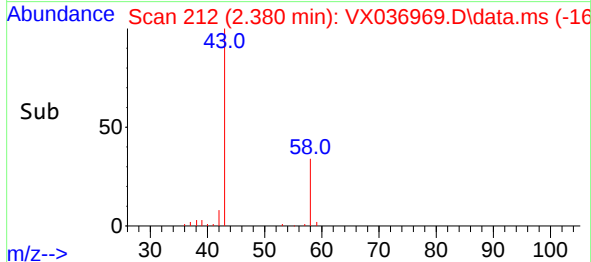
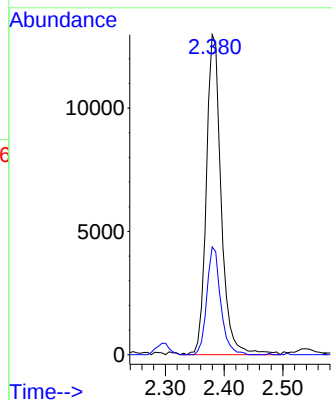
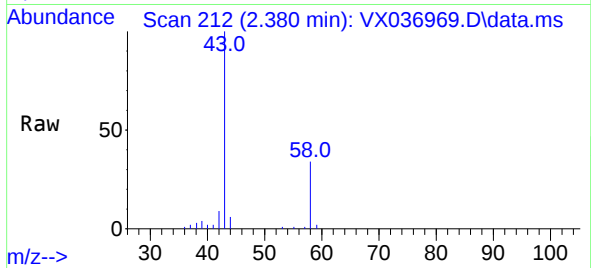




#16
Acetone
Concen: 31.911 ug/l
RT: 2.380 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX036969.D
Acq: 14 Aug 2023 17:00

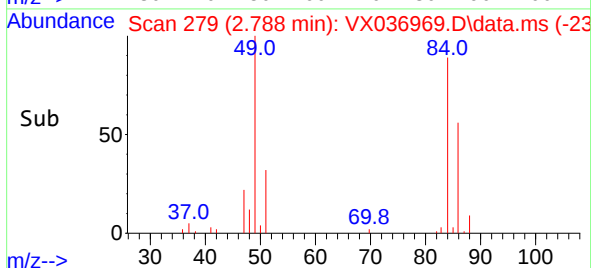
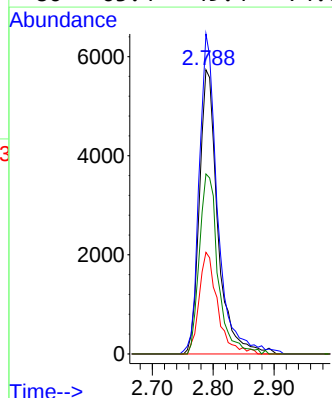
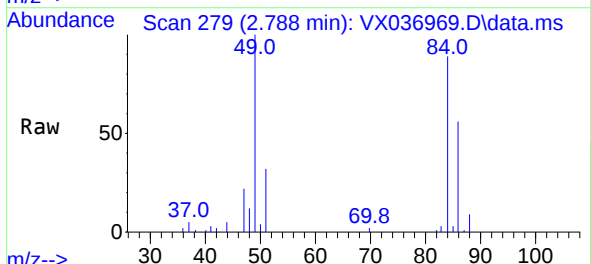
Instrument :
MSVOA_X
ClientSampleId :
PNNL-APM2-0811-2

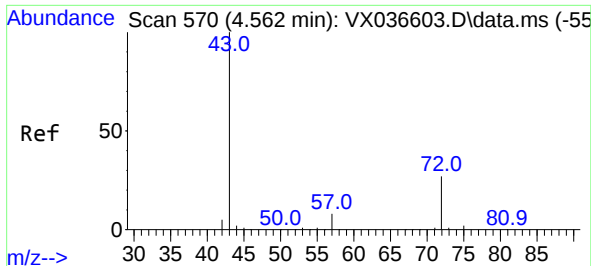
Tgt Ion: 43 Resp: 22833
Ion Ratio Lower Upper
43 100
58 33.7 21.9 32.9#



#20
Methylene Chloride
Concen: 7.544 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX036969.D
Acq: 14 Aug 2023 17:00

Tgt Ion: 84 Resp: 12005
Ion Ratio Lower Upper
84 100
49 112.6 103.6 155.4
51 35.7 33.8 50.6
86 63.4 49.4 74.0

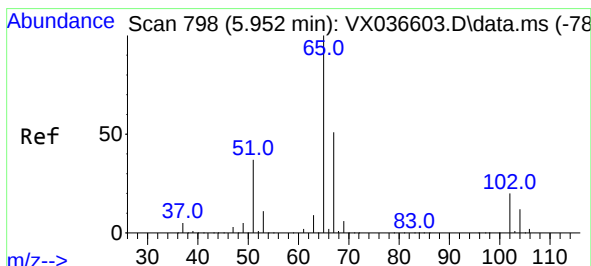
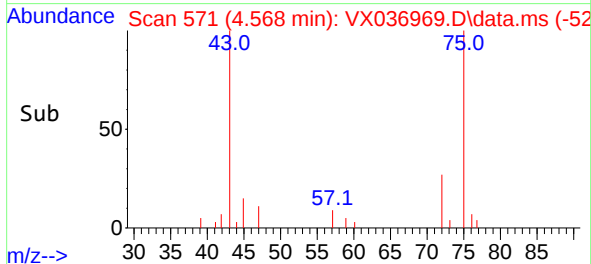
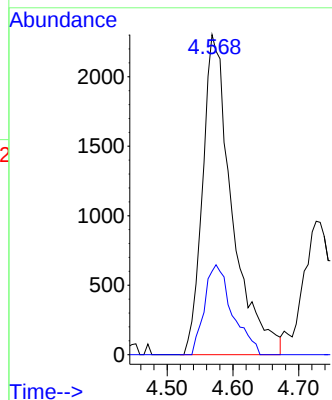
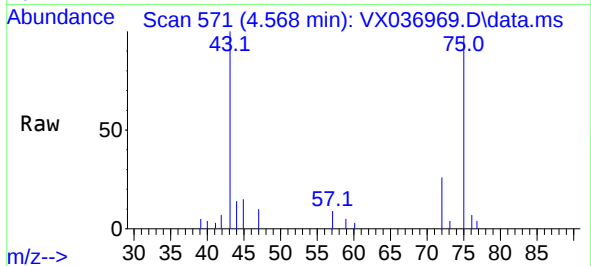




#25
2-Butanone
Concen: 6.179 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX036969.D
Acq: 14 Aug 2023 17:00

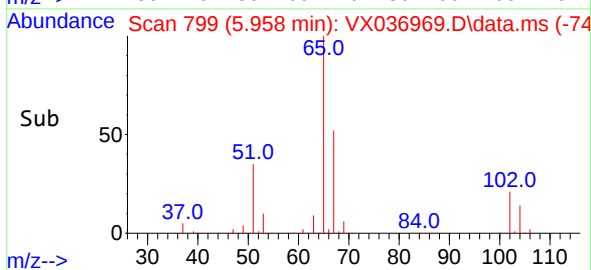
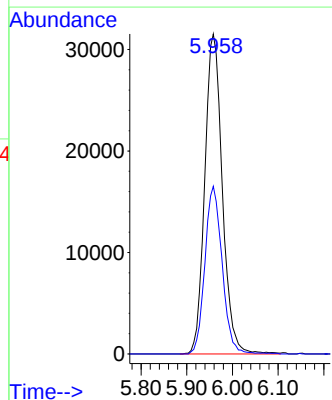
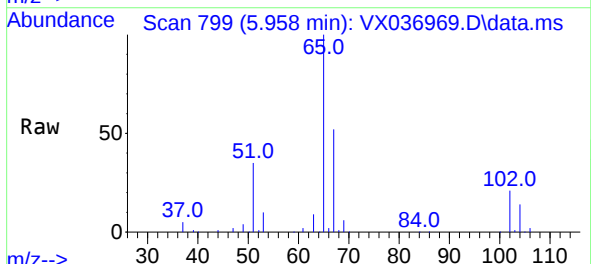
Instrument :
MSVOA_X
ClientSampleId :
PNNL-APM2-0811-2

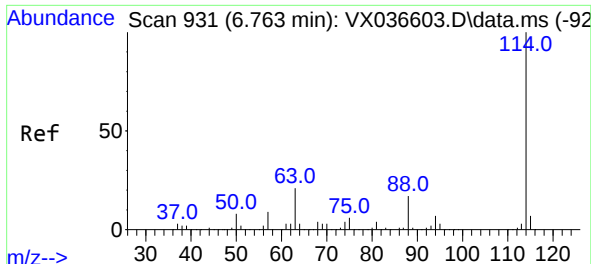
Tgt Ion: 43 Resp: 7173
Ion Ratio Lower Upper
43 100
72 26.1 19.4 29.2



#33
1,2-Dichloroethane-d4
Concen: 48.921 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX036969.D
Acq: 14 Aug 2023 17:00

Tgt Ion: 65 Resp: 84354
Ion Ratio Lower Upper
65 100
67 51.4 0.0 100.2

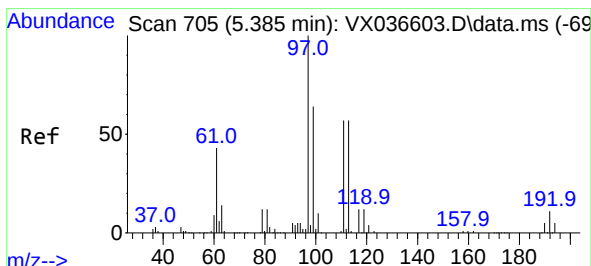
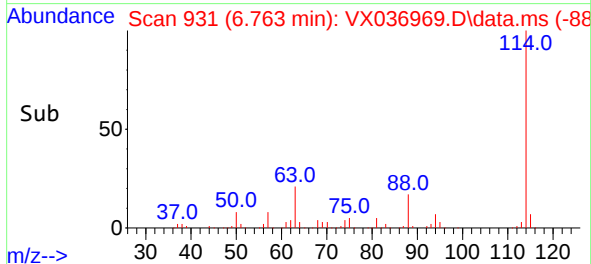
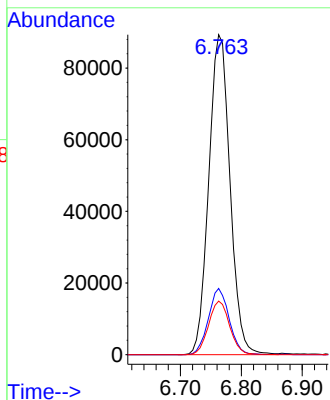
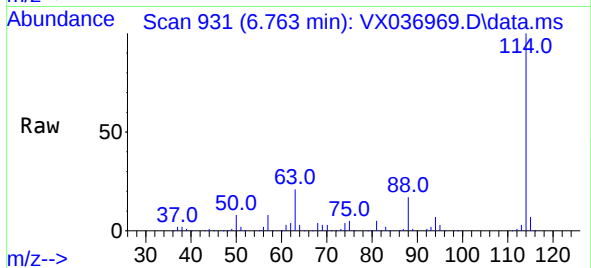




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX036969.D
Acq: 14 Aug 2023 17:00

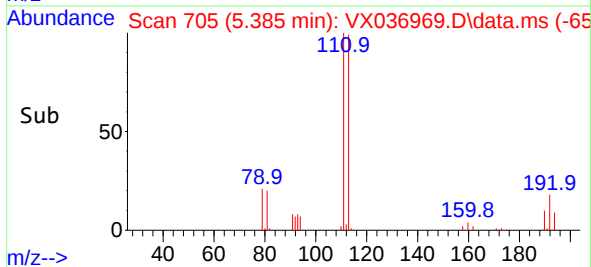
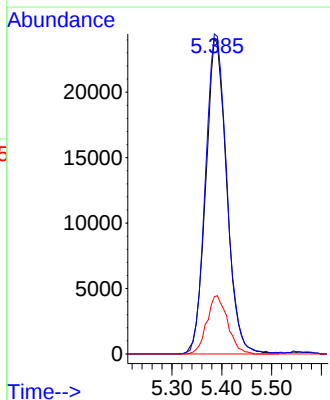
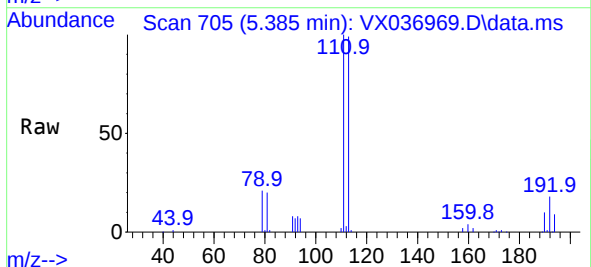
Instrument :
MSVOA_X
ClientSampleId :
PNNL-APM2-0811-2

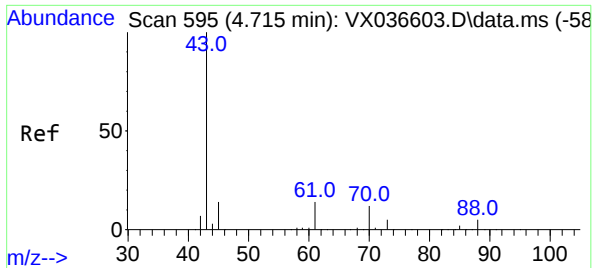
Tgt Ion:114 Resp: 216315
Ion Ratio Lower Upper
114 100
63 20.7 0.0 45.0
88 16.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.172 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX036969.D
Acq: 14 Aug 2023 17:00

Tgt Ion:113 Resp: 70137
Ion Ratio Lower Upper
113 100
111 103.4 82.9 124.3
192 18.4 13.3 19.9





#37

Ethyl Acetate

Concen: 1.207 ug/l

RT: 4.727 min Scan# 597

Delta R.T. 0.012 min

Lab File: VX036969.D

Acq: 14 Aug 2023 17:00

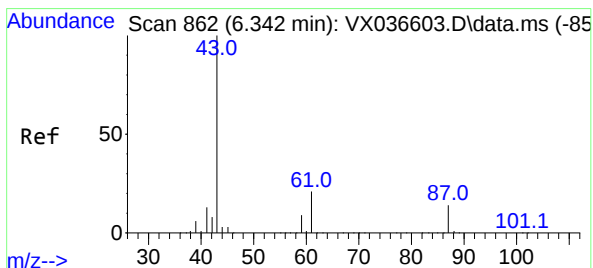
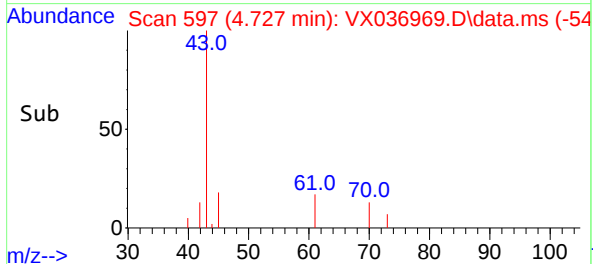
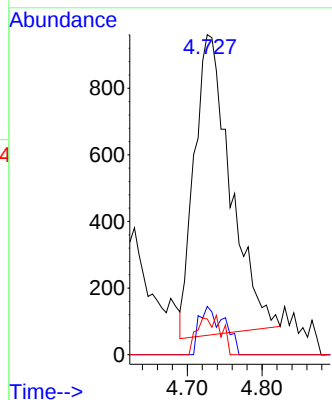
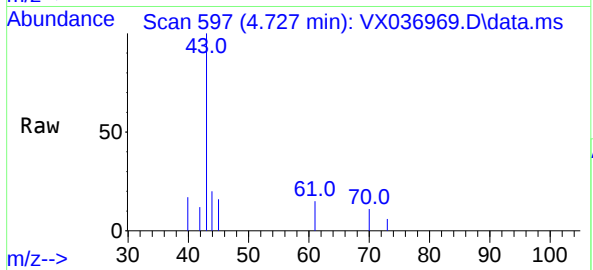
Instrument :

MSVOA_X

ClientSampleId :

PNNL-APM2-0811-2

Tgt Ion: 43	Resp: 3028
Ion Ratio	Lower Upper
43	100
61	11.1 10.6 16.0
70	8.5 8.3 12.5



#43

Isopropyl Acetate

Concen: 28.739 ug/l

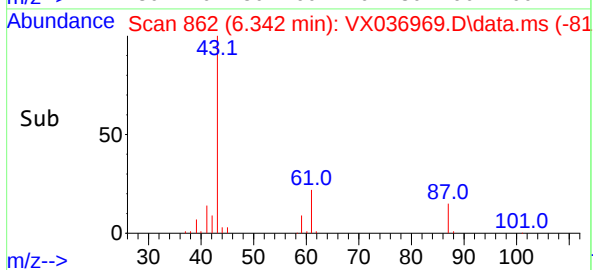
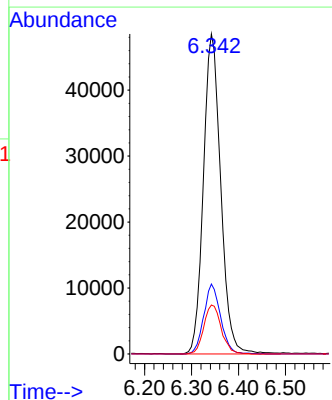
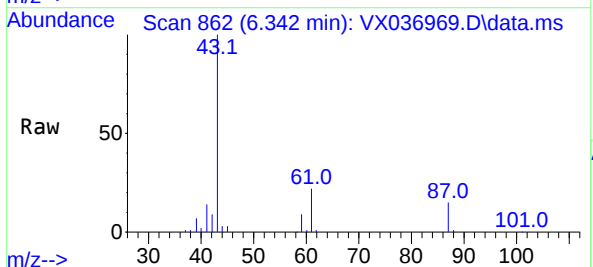
RT: 6.342 min Scan# 862

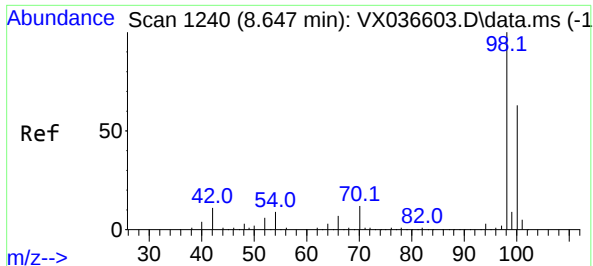
Delta R.T. -0.000 min

Lab File: VX036969.D

Acq: 14 Aug 2023 17:00

Tgt Ion: 43	Resp: 124086
Ion Ratio	Lower Upper
43	100
61	21.3 15.2 22.8
87	15.4 9.8 14.6





#50

Toluene-d8

Concen: 49.293 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX036969.D

Acq: 14 Aug 2023 17:00

Instrument :

MSVOA_X

ClientSampleId :

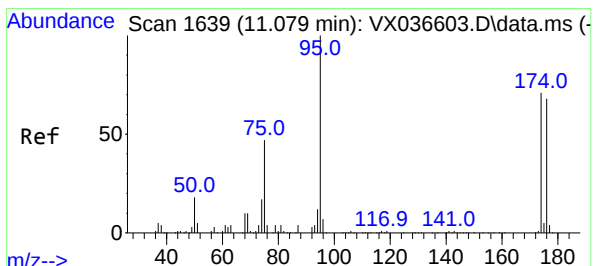
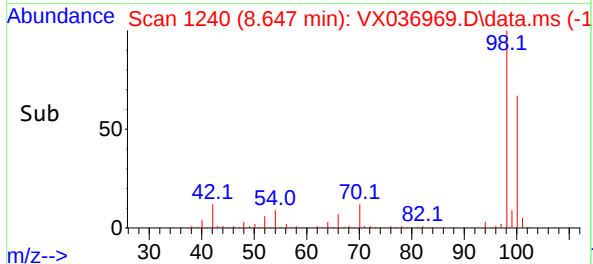
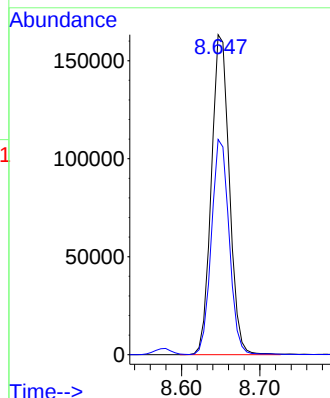
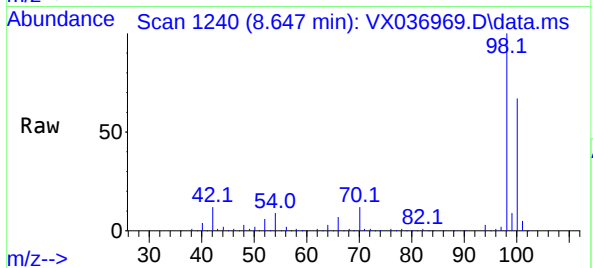
PNNL-APM2-0811-2

Tgt Ion: 98 Resp: 259903

Ion Ratio Lower Upper

98 100

100 66.5 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 52.002 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX036969.D

Acq: 14 Aug 2023 17:00

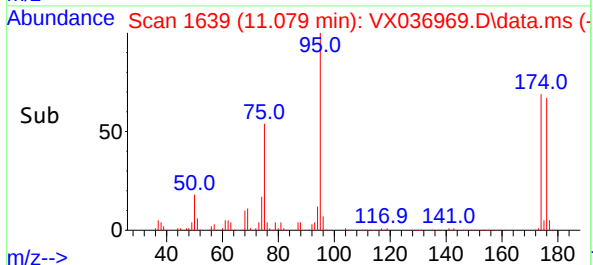
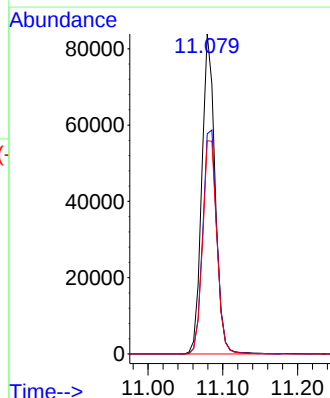
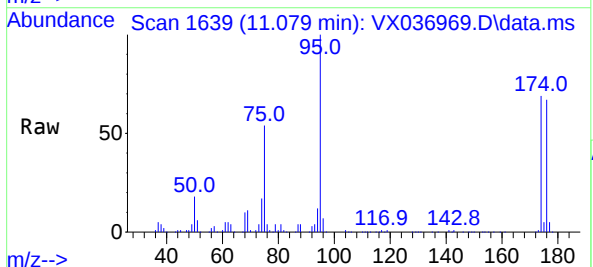
Tgt Ion: 95 Resp: 103447

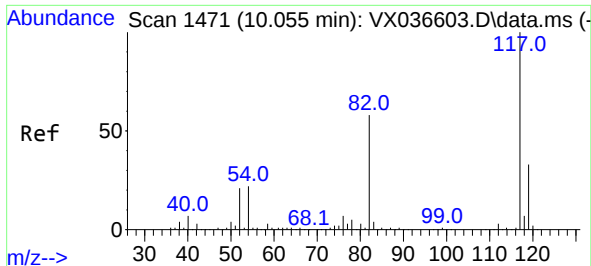
Ion Ratio Lower Upper

95 100

174 74.4 0.0 135.6

176 71.6 0.0 131.0

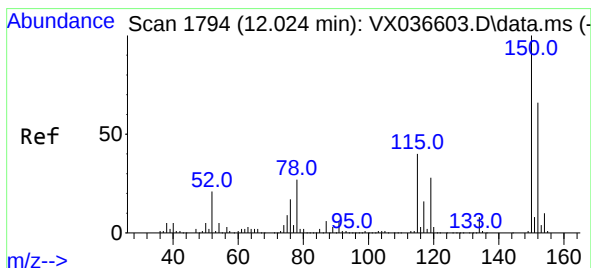
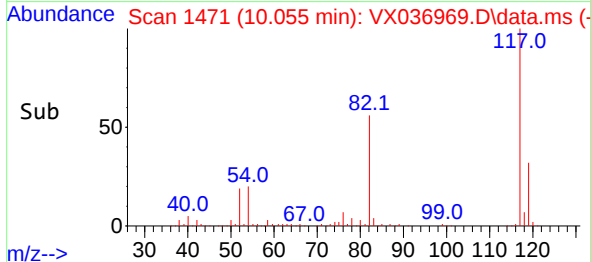
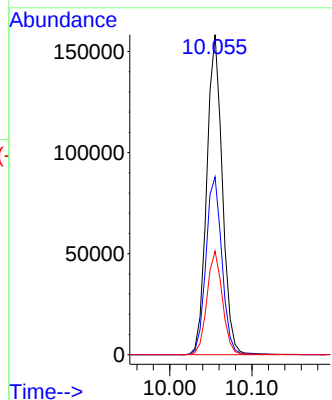
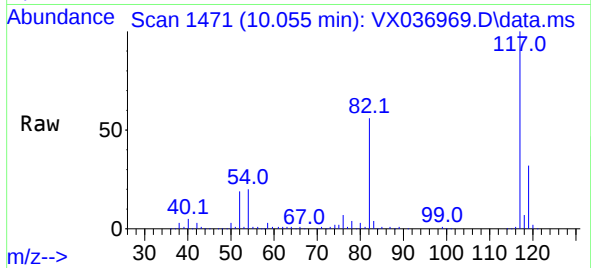




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036969.D
Acq: 14 Aug 2023 17:00

Instrument :
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ClientSampleId :
PNNL-APM2-0811-2

Tgt Ion:117 Resp: 208411
Ion Ratio Lower Upper
117 100
82 55.5 46.2 69.4
119 32.3 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: VX036969.D
Acq: 14 Aug 2023 17:00

Tgt Ion:152 Resp: 95145
Ion Ratio Lower Upper
152 100
115 63.7 43.3 129.9
150 156.0 0.0 345.0

