

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070723\
 Data File : VX036465.D
 Acq On : 07 Jul 2023 17:03
 Operator : JC/MD
 Sample : 03525-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 33975

Quant Time: Jul 07 23:07:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

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

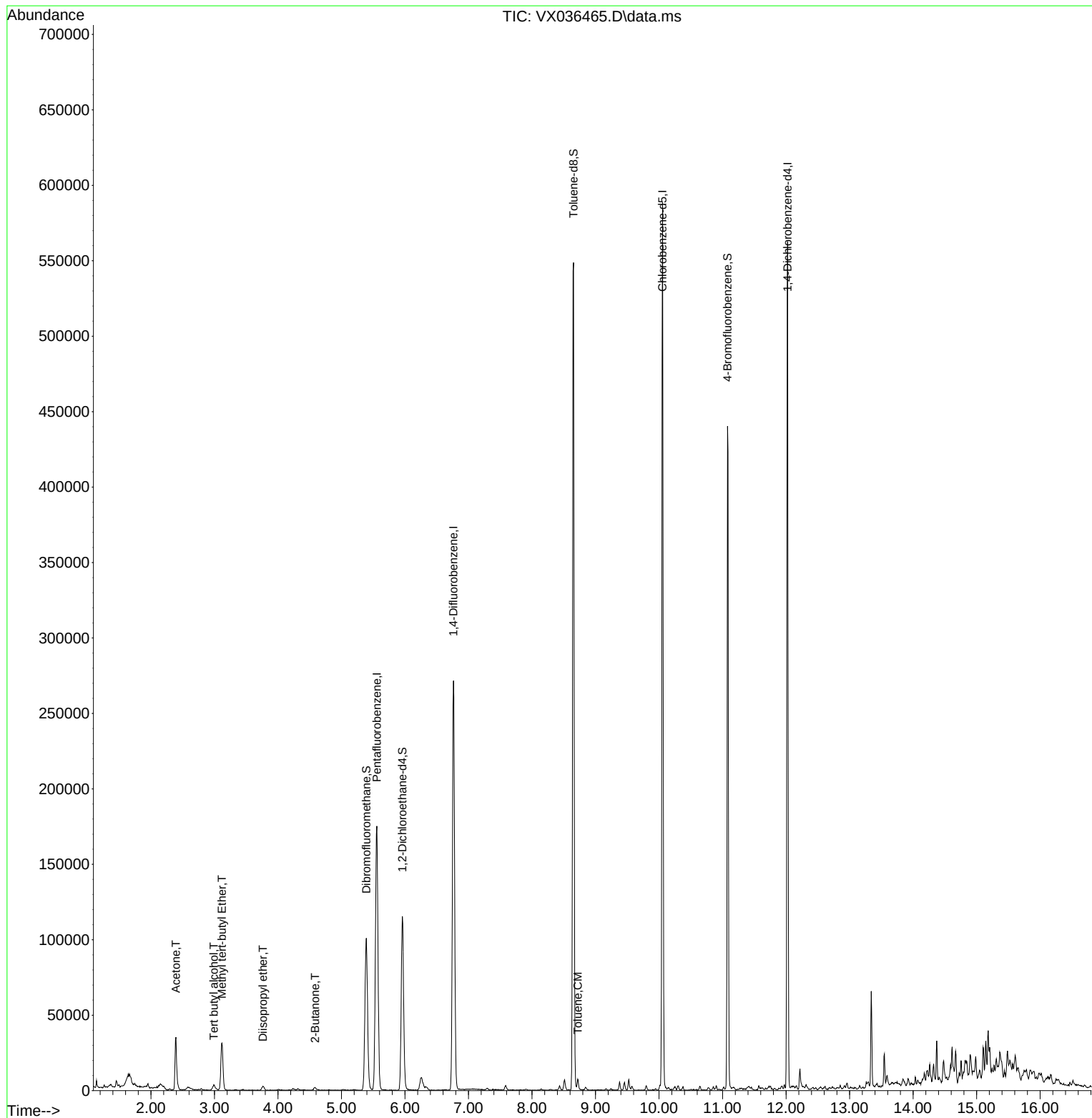
Internal Standards						
1) Pentafluorobenzene	5.556	168	164158	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	276743	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	255616	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	115507	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	108915	46.286	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	92.580%	
35) Dibromofluoromethane	5.391	113	87058	47.709	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	95.420%	
50) Toluene-d8	8.653	98	337186	49.473	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	98.940%	
62) 4-Bromofluorobenzene	11.079	95	119457	49.760	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	99.520%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.989	59	5733	13.385	ug/l #	95
16) Acetone	2.392	43	40103	39.873	ug/l	94
19) Methyl tert-butyl Ether	3.117	73	34894	5.788	ug/l	99
22) Diisopropyl ether	3.764	45	3331	0.548	ug/l #	62
25) 2-Butanone	4.587	43	3284	2.273	ug/l #	81
52) Toluene	8.720	92	2200	0.457	ug/l	81

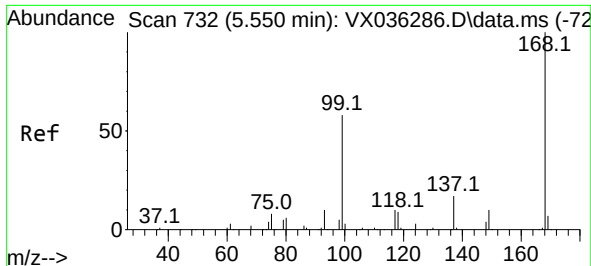
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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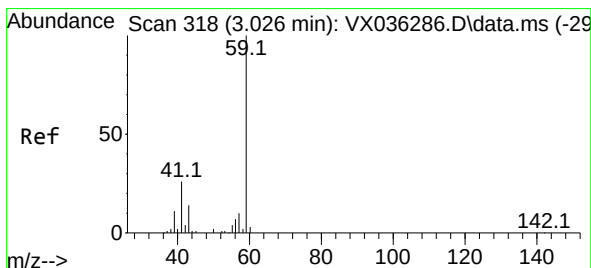
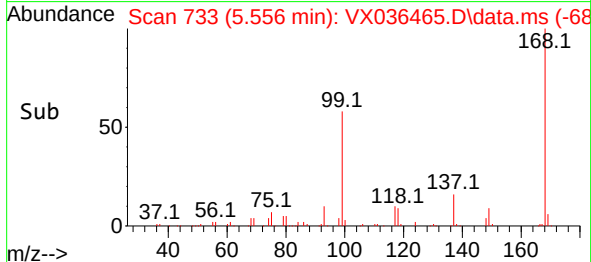
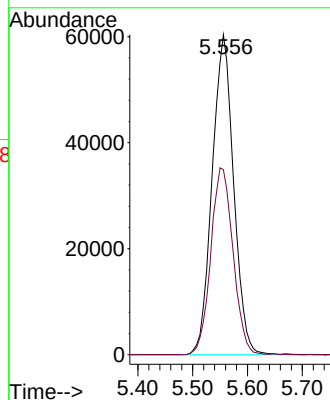
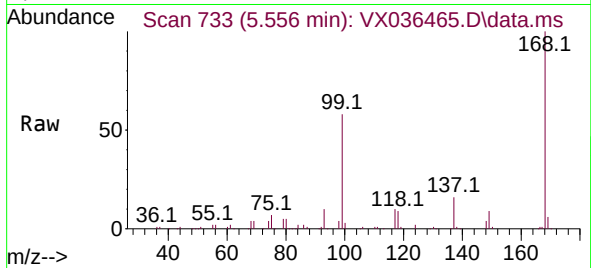




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX036465.D
Acq: 07 Jul 2023 17:03

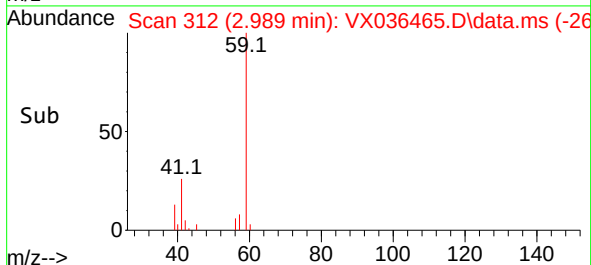
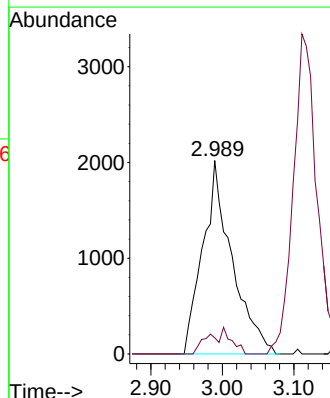
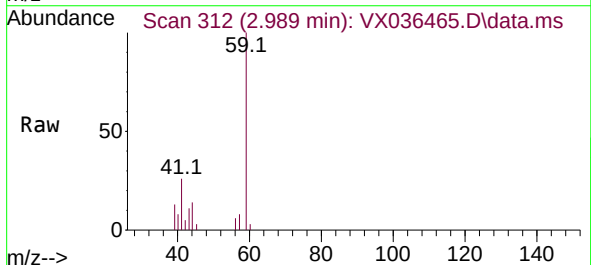
Instrument :
MSVOA_X
ClientSampleId :
33975

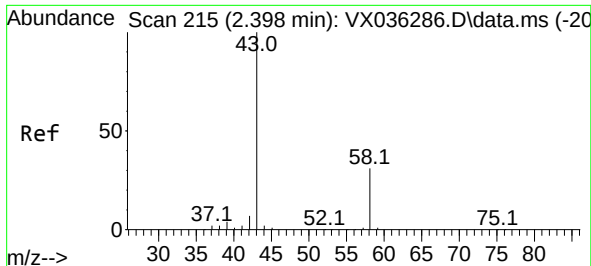
Tgt Ion:168 Resp: 164158
Ion Ratio Lower Upper
168 100
99 57.8 56.6 85.0



#11
Tert butyl alcohol
Concen: 13.385 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.024 min
Lab File: VX036465.D
Acq: 07 Jul 2023 17:03

Tgt Ion: 59 Resp: 5733
Ion Ratio Lower Upper
59 100
57 5.7 6.0 9.0#

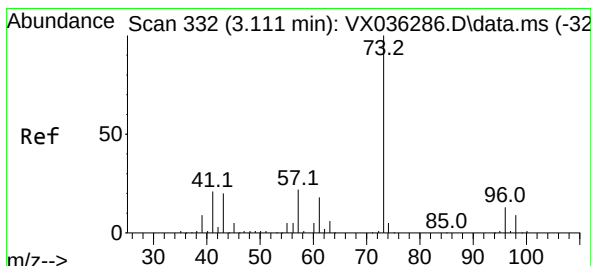
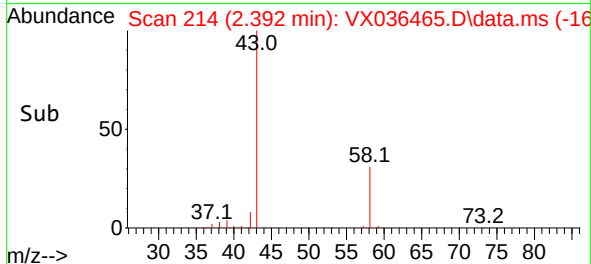
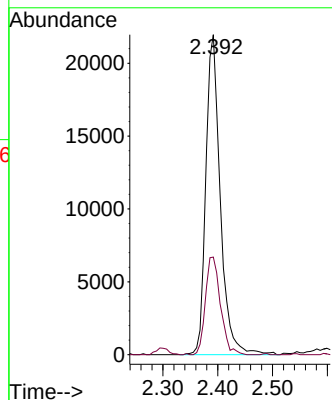
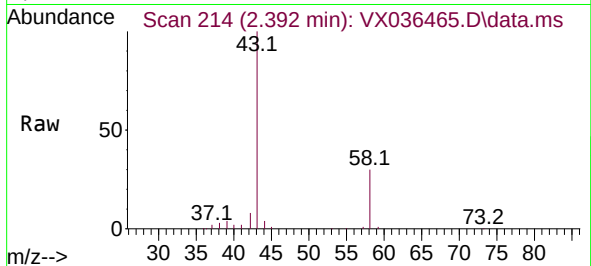




#16
Acetone
Concen: 39.873 ug/l
RT: 2.392 min Scan# 215
Delta R.T. -0.012 min
Lab File: VX036465.D
Acq: 07 Jul 2023 17:03

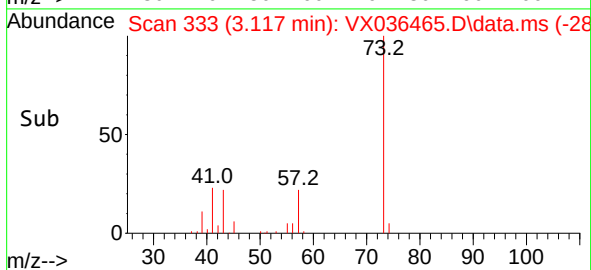
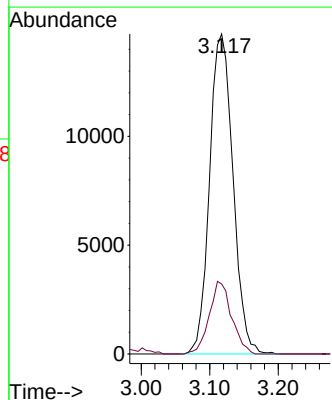
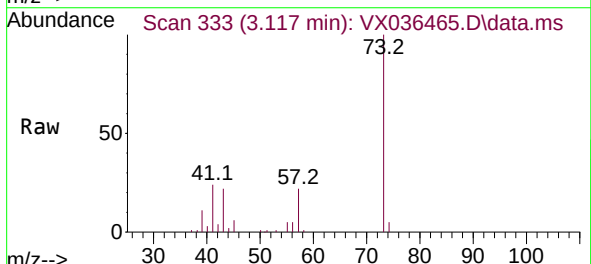
Instrument :
MSVOA_X
ClientSampleId :
33975

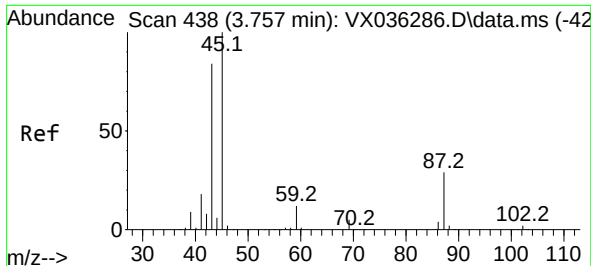
Tgt Ion: 43 Resp: 40103
Ion Ratio Lower Upper
43 100
58 30.5 21.9 32.9



#19
Methyl tert-butyl Ether
Concen: 5.788 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX036465.D
Acq: 07 Jul 2023 17:03

Tgt Ion: 73 Resp: 34894
Ion Ratio Lower Upper
73 100
57 21.9 17.3 25.9

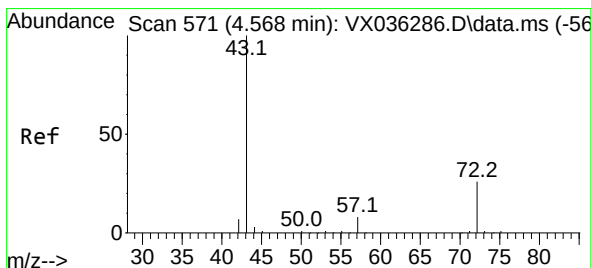
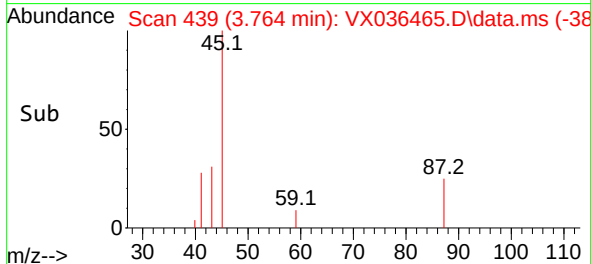
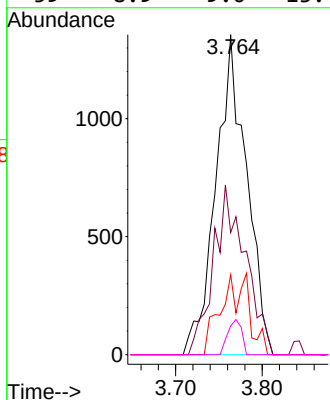
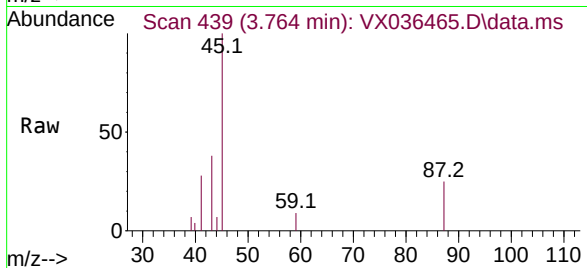




#22
Diisopropyl ether
Concen: 0.548 ug/l
RT: 3.764 min Scan# 41
Delta R.T. 0.007 min
Lab File: VX036465.D
Acq: 07 Jul 2023 17:03

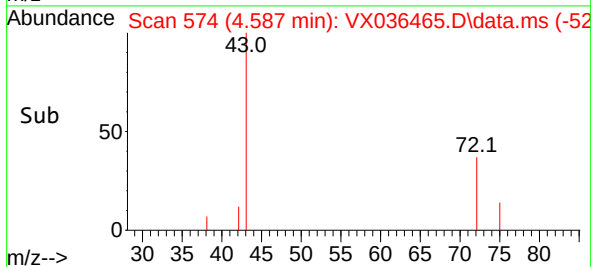
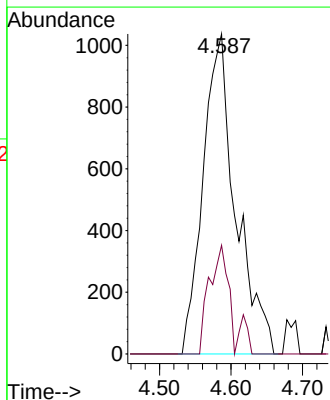
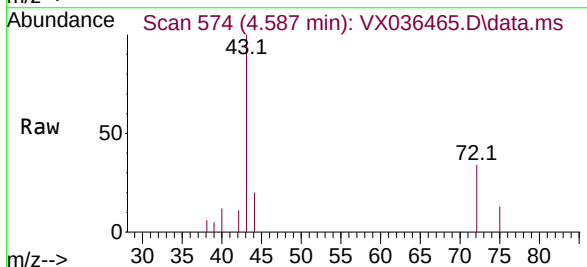
Instrument :
MSVOA_X
ClientSampleId :
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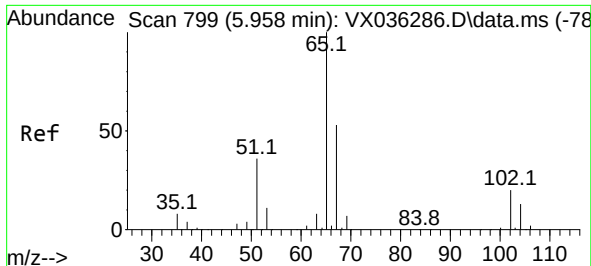
Tgt Ion:	45	Resp:	3331
Ion	Ratio	Lower	Upper
45	100		
43	38.1	69.7	104.5#
87	24.9	20.8	31.2
59	8.9	9.0	13.4#



#25
2-Butanone
Concen: 2.273 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.019 min
Lab File: VX036465.D
Acq: 07 Jul 2023 17:03

Tgt Ion:	43	Resp:	3284
Ion	Ratio	Lower	Upper
43	100		
72	33.9	19.4	29.2#

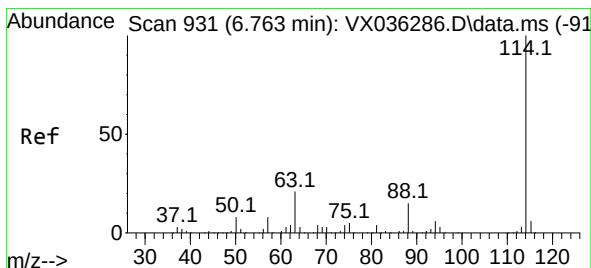
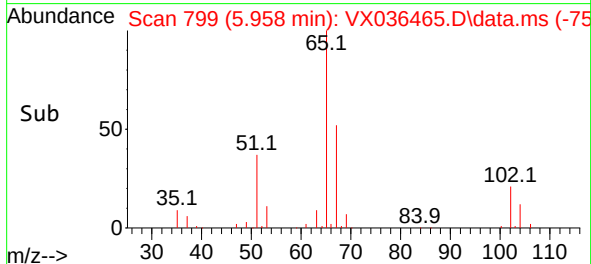
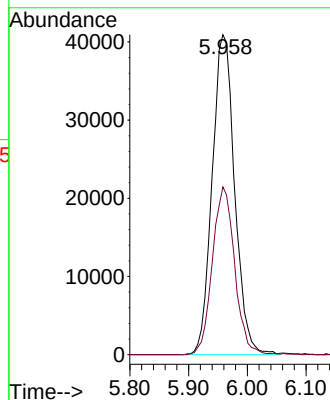
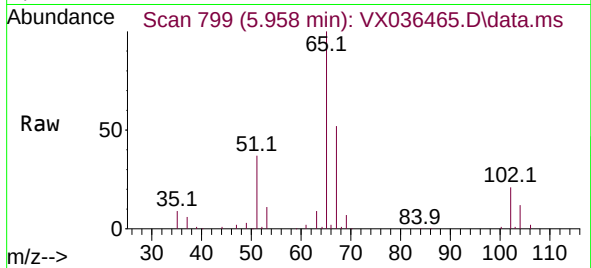




#33
 1,2-Dichloroethane-d4
 Concen: 46.286 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX036465.D
 Acq: 07 Jul 2023 17:03

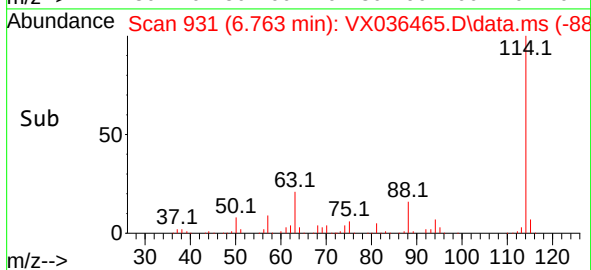
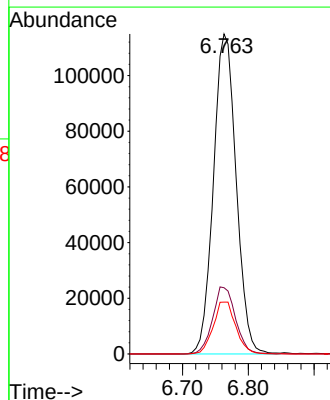
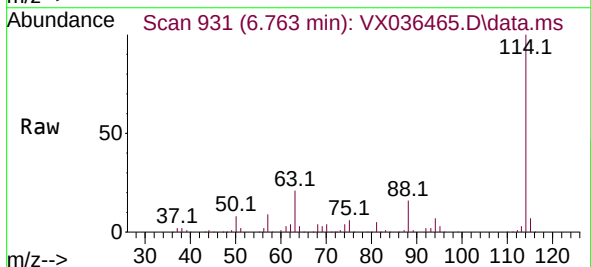
Instrument :
 MSVOA_X
 ClientSampleId :
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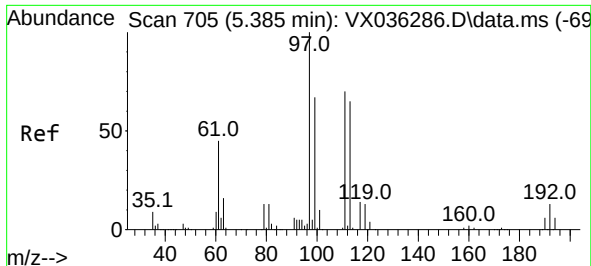
Tgt Ion: 65 Resp: 108915
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX036465.D
 Acq: 07 Jul 2023 17:03

Tgt Ion: 114 Resp: 276743
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 45.0
 88 16.2 0.0 36.6





#35

Dibromofluoromethane

Concen: 47.709 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX036465.D

Acq: 07 Jul 2023 17:03

Instrument :

MSVOA_X

ClientSampleId :

33975

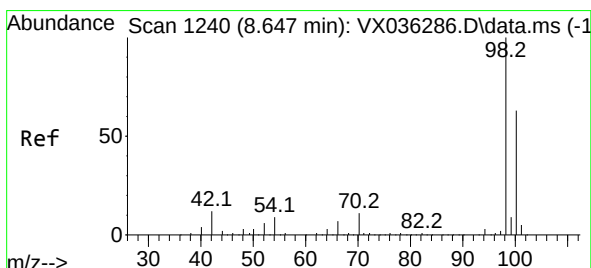
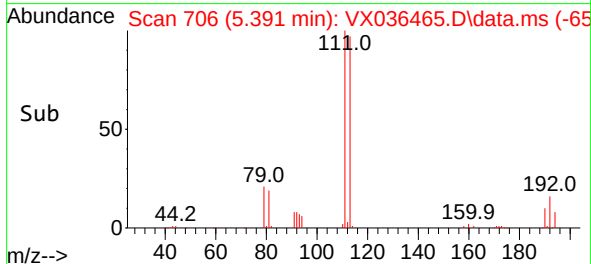
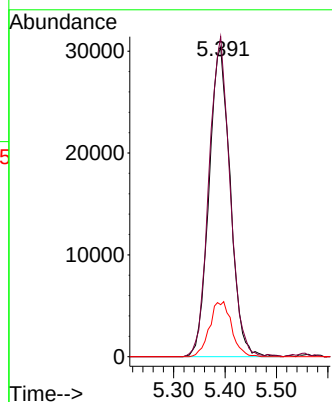
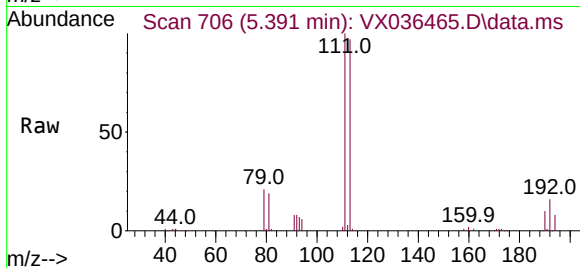
Tgt Ion:113 Resp: 87058

Ion Ratio Lower Upper

113 100

111 102.3 82.9 124.3

192 18.4 13.3 19.9



#50

Toluene-d8

Concen: 49.473 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.007 min

Lab File: VX036465.D

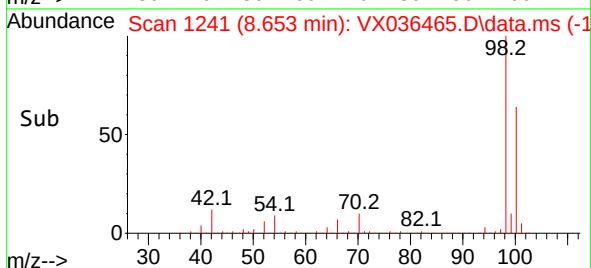
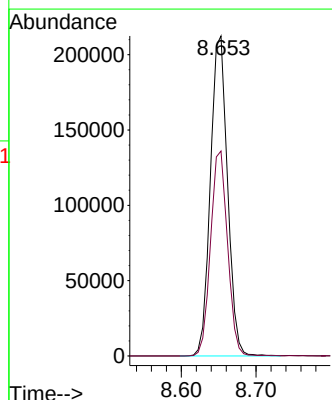
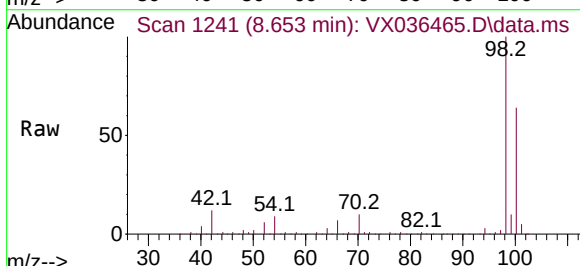
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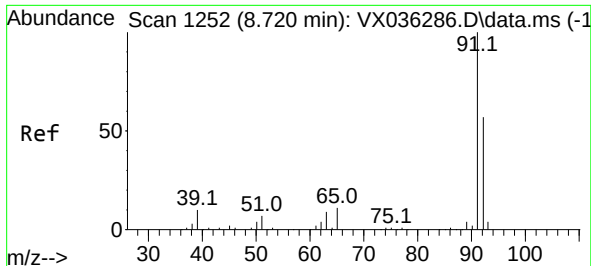
Tgt Ion: 98 Resp: 337186

Ion Ratio Lower Upper

98 100

100 63.8 53.1 79.7

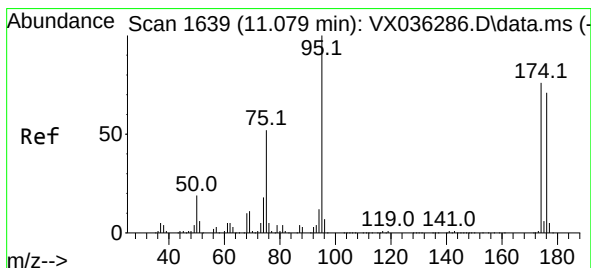
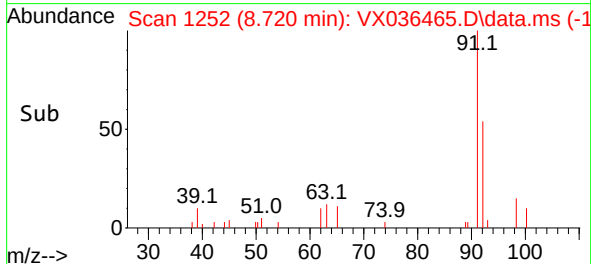
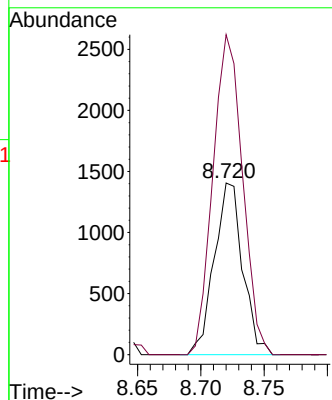
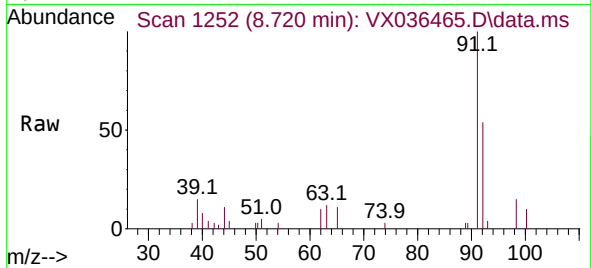




#52
Toluene
Concen: 0.457 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036465.D
Acq: 07 Jul 2023 17:03

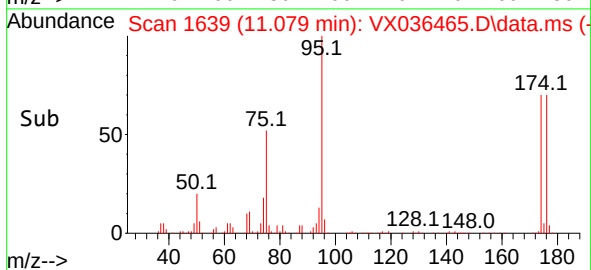
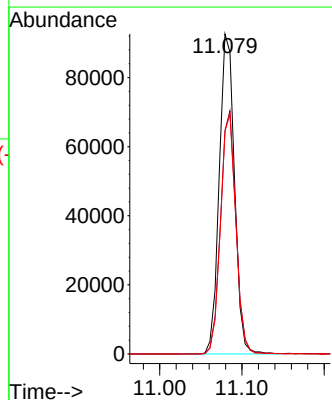
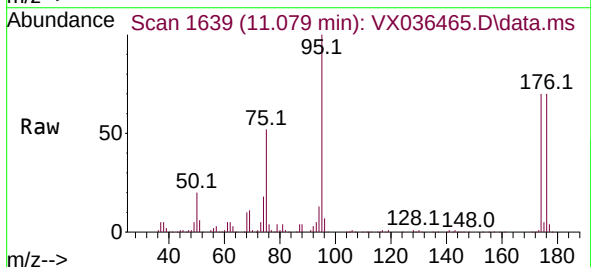
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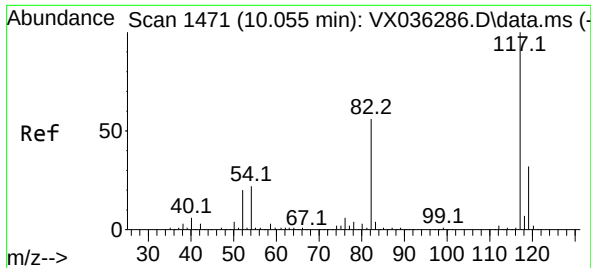
Tgt Ion: 92 Resp: 2200
Ion Ratio Lower Upper
92 100
91 193.9 134.2 201.2



#62
4-Bromofluorobenzene
Concen: 49.760 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036465.D
Acq: 07 Jul 2023 17:03

Tgt Ion: 95 Resp: 119457
Ion Ratio Lower Upper
95 100
174 76.6 0.0 135.6
176 75.2 0.0 131.0

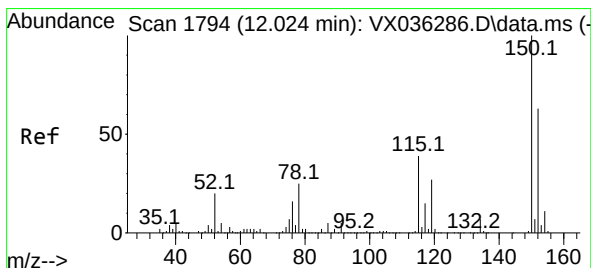
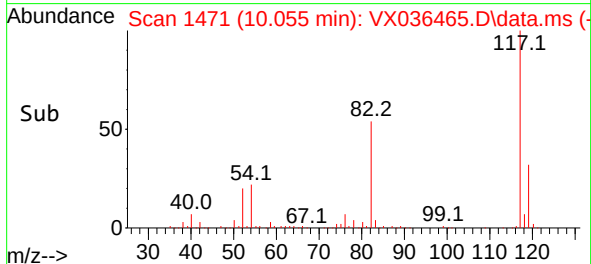
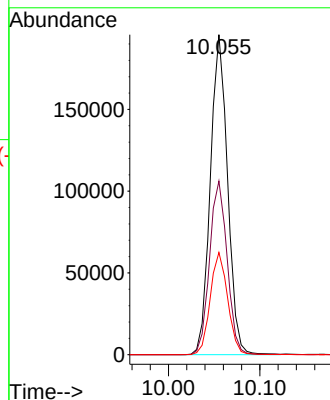
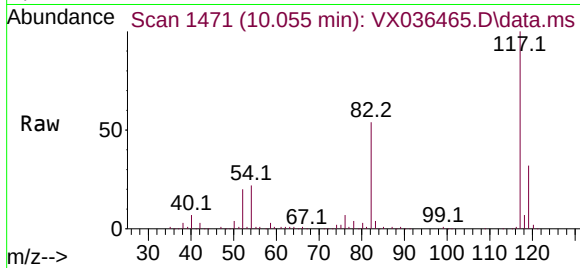




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036465.D
Acq: 07 Jul 2023 17:03

Instrument :
MSVOA_X
ClientSampleId :
33975

Tgt Ion:117 Resp: 255616
Ion Ratio Lower Upper
117 100
82 54.3 46.2 69.4
119 31.9 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: VX036465.D
Acq: 07 Jul 2023 17:03

Tgt Ion:152 Resp: 115507
Ion Ratio Lower Upper
152 100
115 58.2 43.3 129.9
150 156.9 0.0 345.0

