

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072823\
 Data File : VX036701.D
 Acq On : 28 Jul 2023 12:52
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Jul 28 16:17:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 14 04:32:22 2023
 Response via : Initial Calibration

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

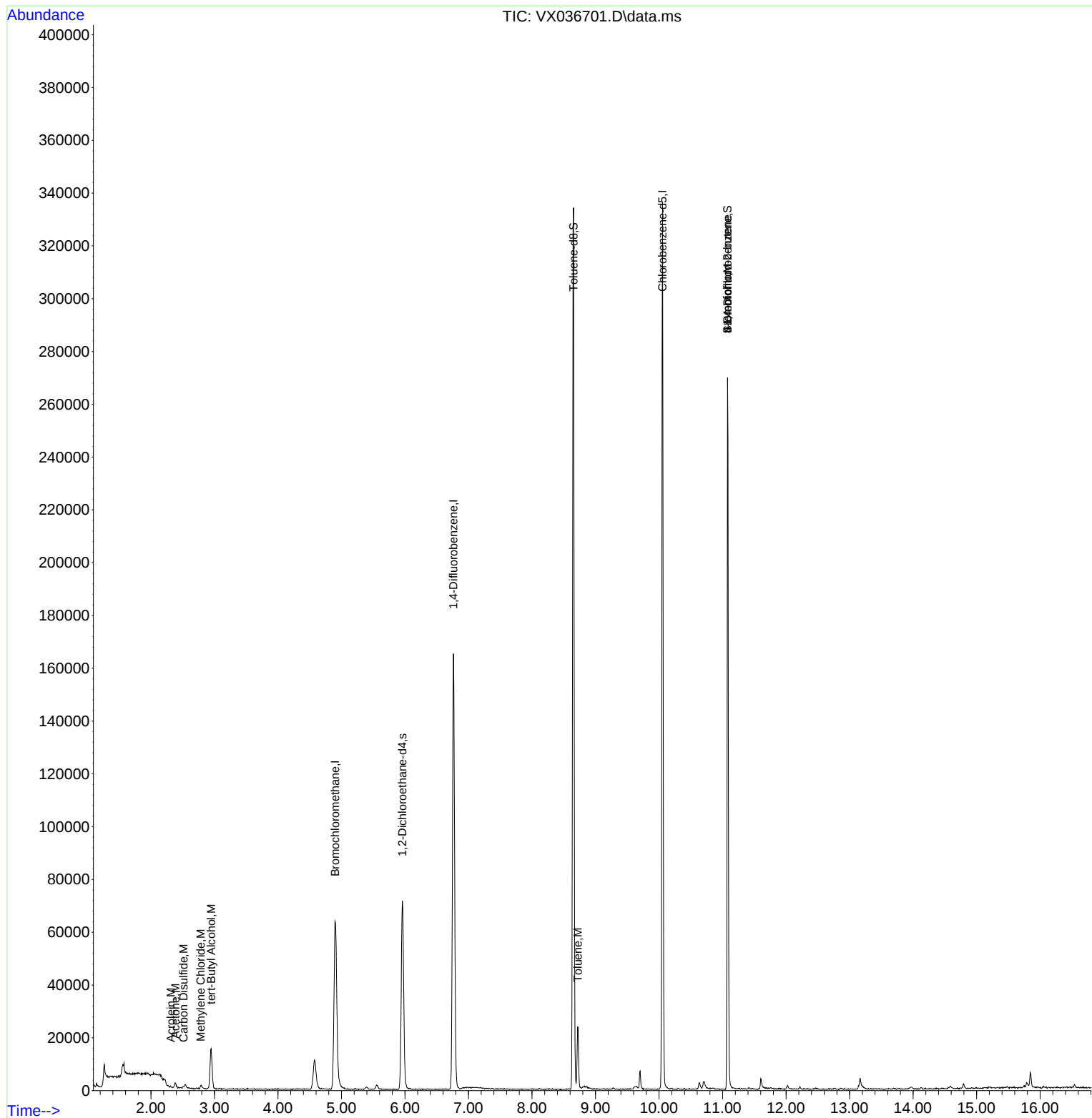
Internal Standards						
1) Bromochloromethane	4.897	128	28739	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	167370	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	147875	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	68356	28.658	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.533%
60) 4-Bromofluorobenzene	11.079	95	71787	29.928	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.767%
63) Toluene-d8	8.653	98	202958	29.826	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.433%
Target Compounds						
					Qvalue	
13) Acrolein	2.313	56	78	0.241	ug/l	87
15) Acetone	2.386	58	684	2.180	ug/l	74
16) Carbon Disulfide	2.514	76	977	0.239	ug/l	98
18) Methylene Chloride	2.782	84	763	0.377	ug/l #	70
23) tert-Butyl Alcohol	2.947	59	9042	17.572	ug/l #	1
56) Bromoform	11.079	173	434	0.298	ug/l #	1
62) Toluene	8.720	91	15298	1.844	ug/l	95
77) t-1,4-Dichloro-2-butene	11.079	75	37397	38.750	ug/l #	7

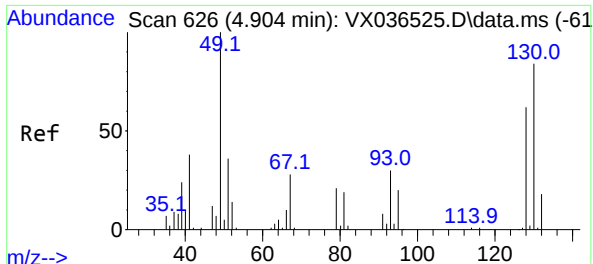
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 14 04:32:22 2023
Response via : Initial Calibration

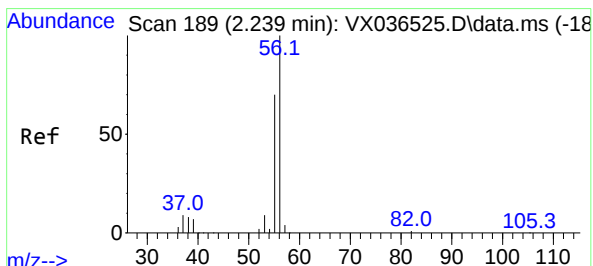
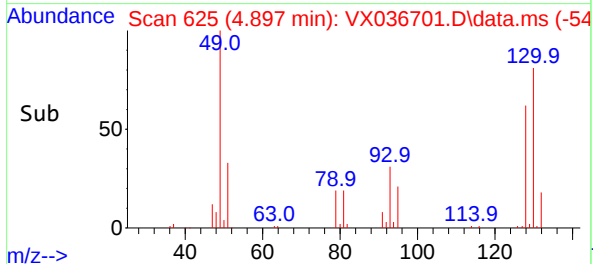
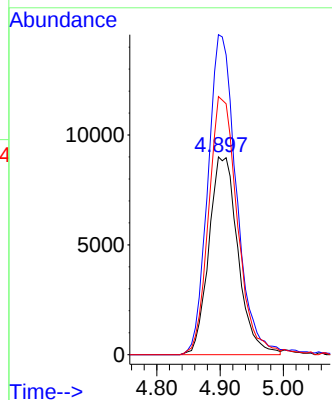
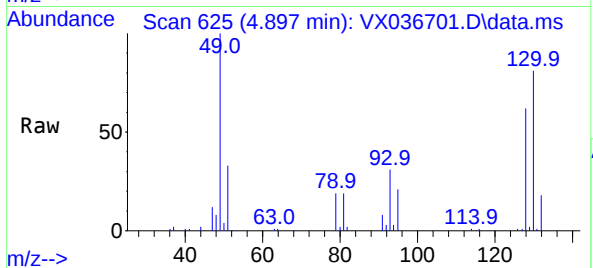




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. -0.007 min
Lab File: VX036701.D
Acq: 28 Jul 2023 12:52

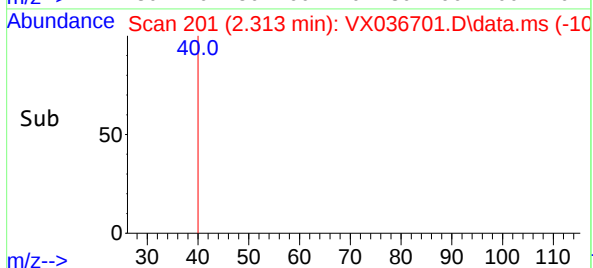
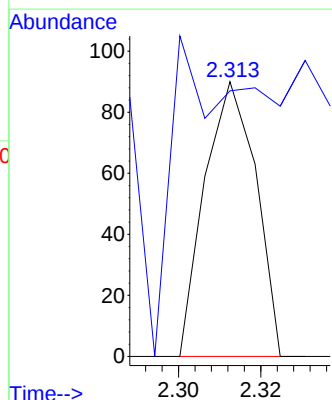
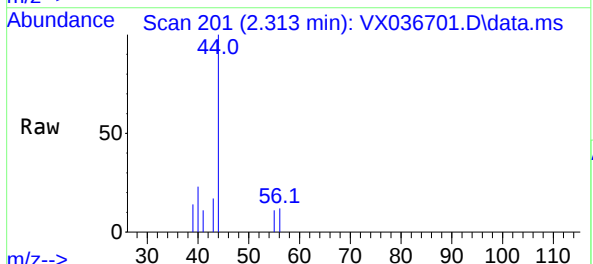
Instrument :
MSVOA_X
ClientSampleId :
IBLK

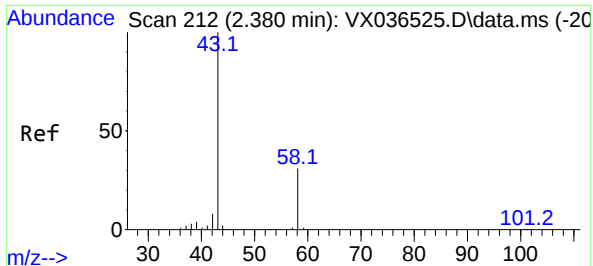
Tgt Ion:128 Resp: 28739
Ion Ratio Lower Upper
128 100
49 157.5 0.0 406.3
130 129.1 0.0 328.0



#13
Acrolein
Concen: 0.241 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.073 min
Lab File: VX036701.D
Acq: 28 Jul 2023 12:52

Tgt Ion: 56 Resp: 78
Ion Ratio Lower Upper
56 100
55 85.9 59.7 89.5

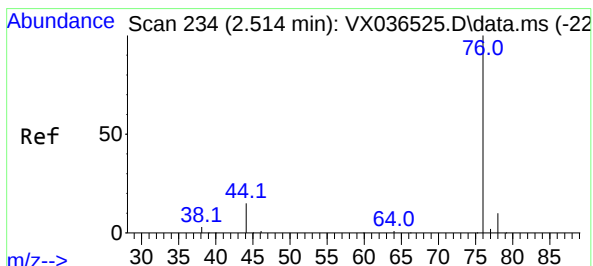
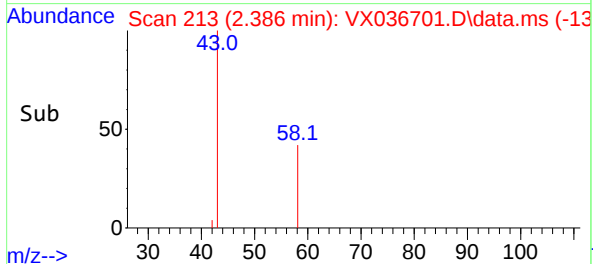
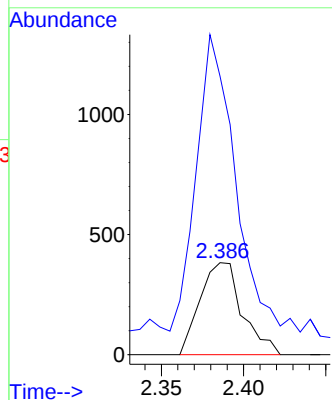
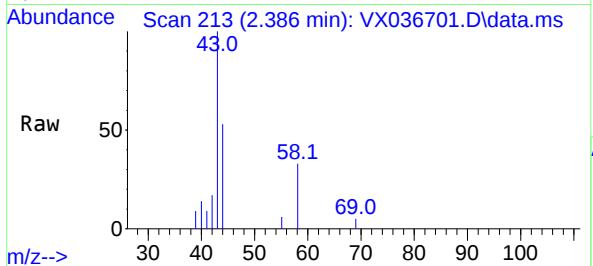




#15
Acetone
Concen: 2.180 ug/l
RT: 2.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX036701.D
Acq: 28 Jul 2023 12:52

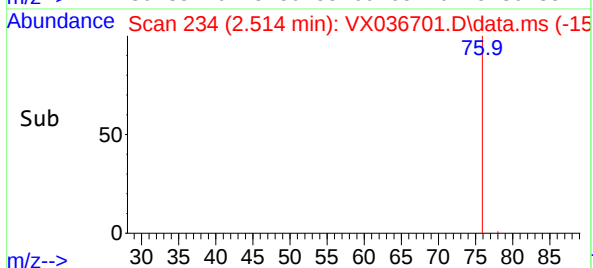
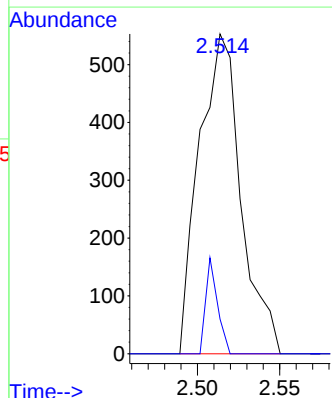
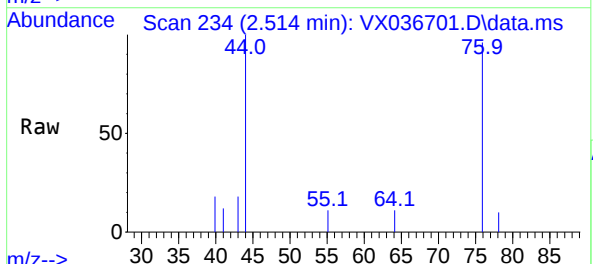
Instrument :
MSVOA_X
ClientSampleId :
IBLK

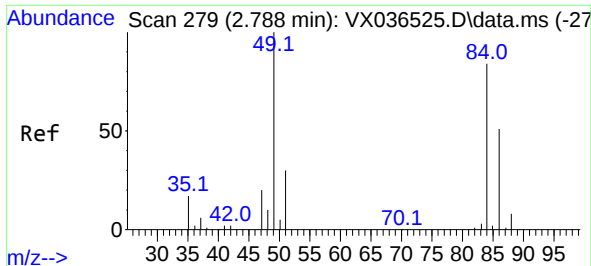
Tgt Ion: 58 Resp: 684
Ion Ratio Lower Upper
58 100
43 271.5 261.0 391.4



#16
Carbon Disulfide
Concen: 0.239 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX036701.D
Acq: 28 Jul 2023 12:52

Tgt Ion: 76 Resp: 977
Ion Ratio Lower Upper
76 100
78 10.8 8.0 12.0

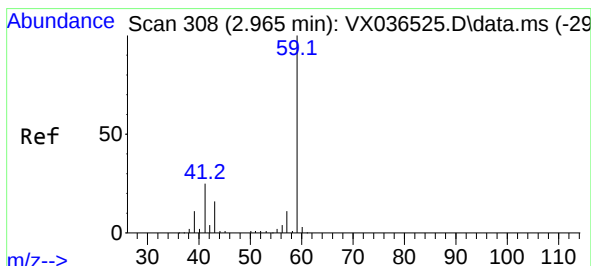
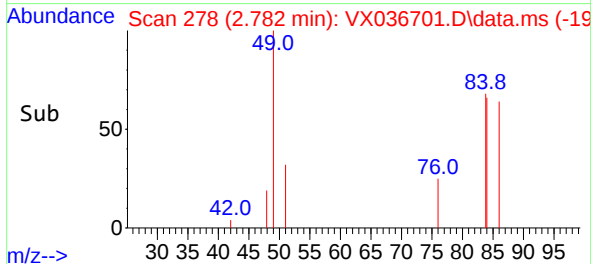
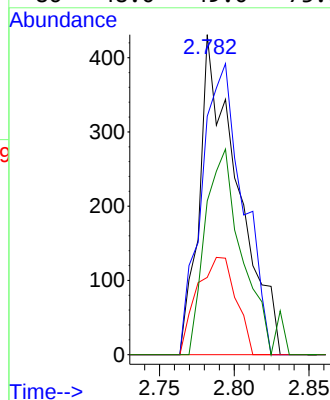
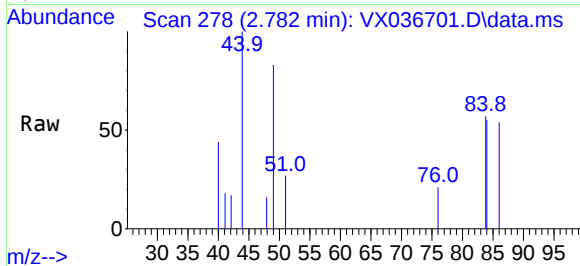




#18
Methylene Chloride
Concen: 0.377 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX036701.D
Acq: 28 Jul 2023 12:52

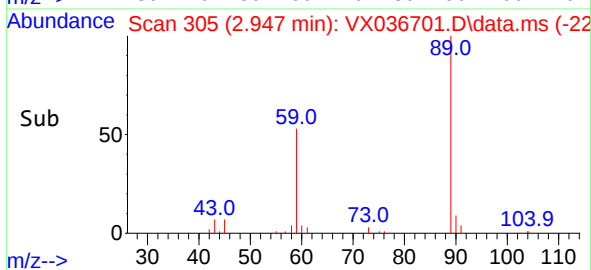
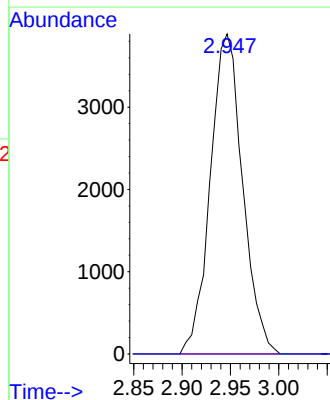
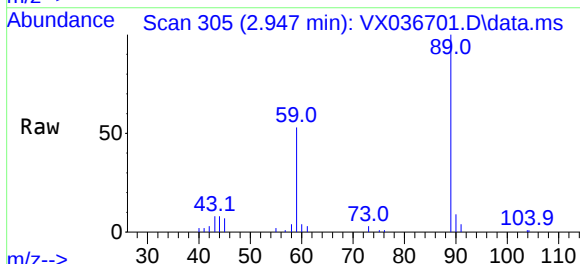
Instrument :
MSVOA_X
ClientSampleId :
IBLK

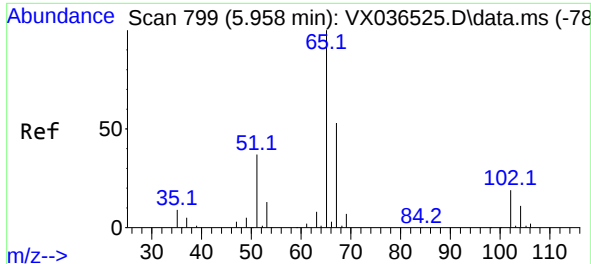
Tgt Ion:	84	Resp:	763
Ion	Ratio	Lower	Upper
84	100		
49	74.5	95.4	143.0#
51	24.1	28.3	42.5#
86	48.0	49.0	73.6#



#23
tert-Butyl Alcohol
Concen: 17.572 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.018 min
Lab File: VX036701.D
Acq: 28 Jul 2023 12:52

Tgt Ion:	59	Resp:	9042
Ion	Ratio	Lower	Upper
59	100		
52	0.0	142.6	213.8#





#27

1,2-Dichloroethane-d4

Concen: 28.658 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX036701.D

Acq: 28 Jul 2023 12:52

Instrument :

MSVOA_X

ClientSampleId :

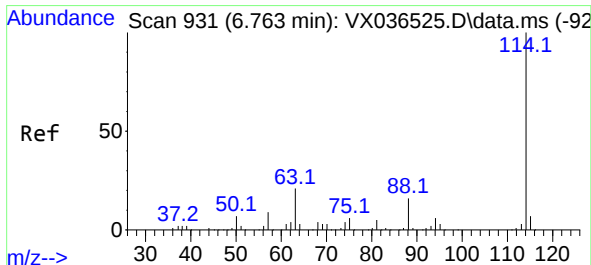
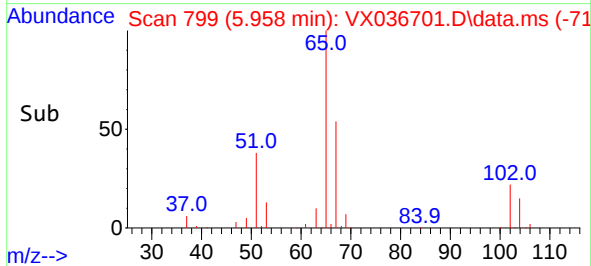
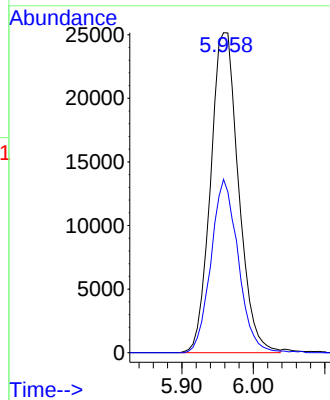
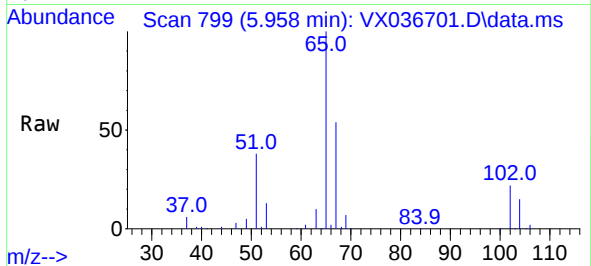
IBLK

Tgt Ion: 65 Resp: 68356

Ion Ratio Lower Upper

65 100

67 52.5 42.1 63.1



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX036701.D

Acq: 28 Jul 2023 12:52

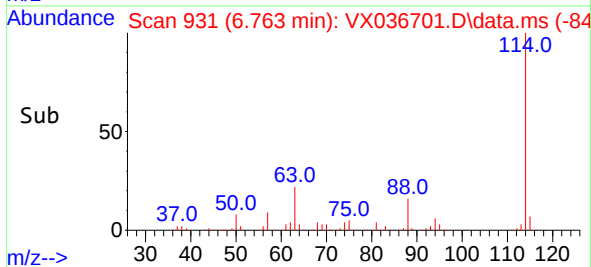
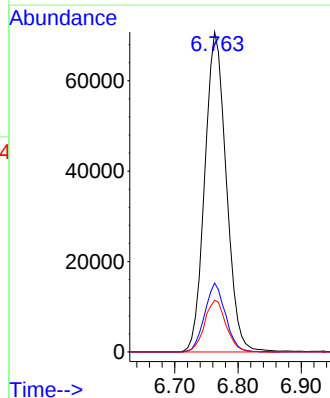
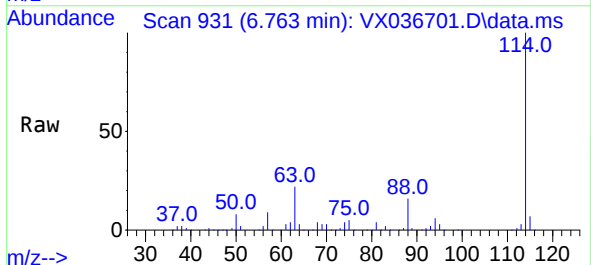
Tgt Ion:114 Resp: 167370

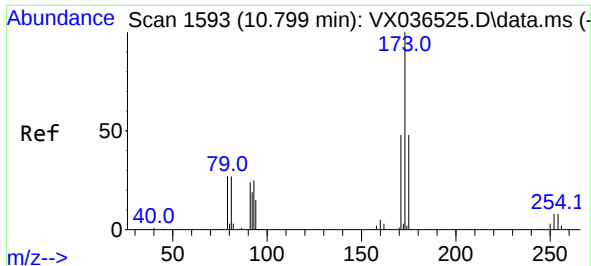
Ion Ratio Lower Upper

114 100

63 20.9 16.6 24.8

88 16.2 12.9 19.3

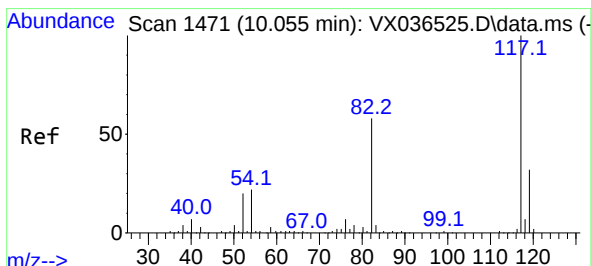
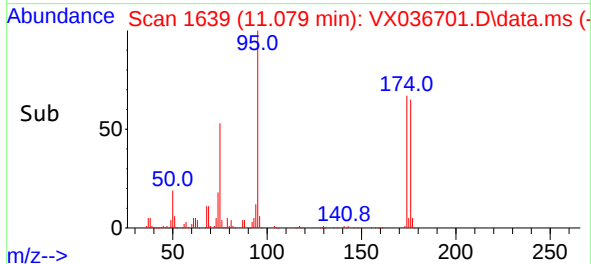
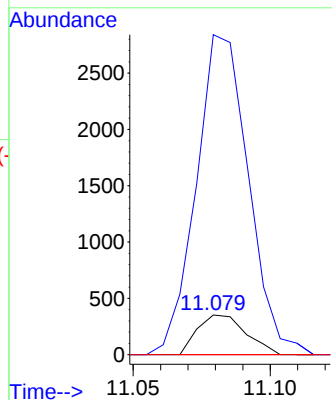
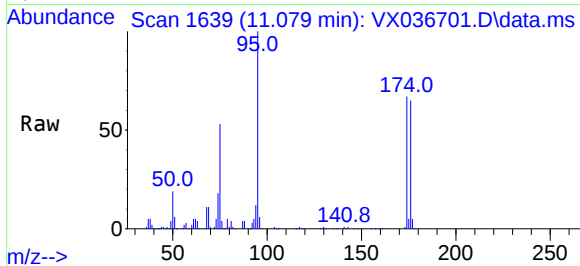




#56
Bromoform
Concen: 0.298 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.280 min
Lab File: VX036701.D
Acq: 28 Jul 2023 12:52

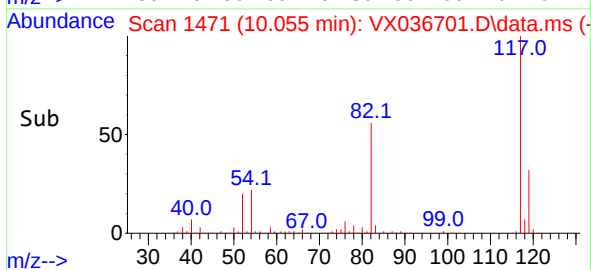
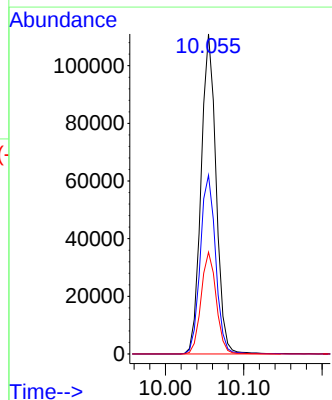
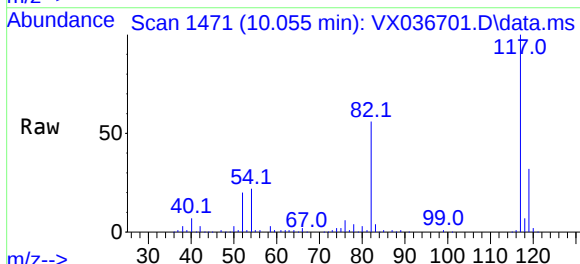
Instrument :
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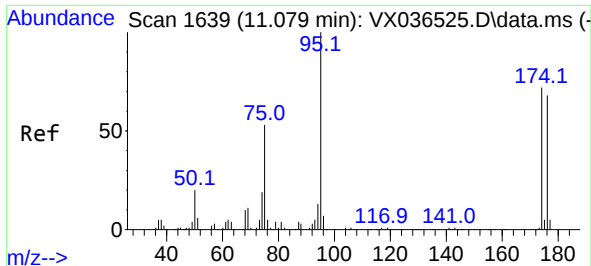
Tgt Ion:173 Resp: 434
Ion Ratio Lower Upper
173 100
175 869.1 38.1 57.1#
254 0.0 6.7 10.1#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036701.D
Acq: 28 Jul 2023 12:52

Tgt Ion:117 Resp: 147875
Ion Ratio Lower Upper
117 100
82 57.1 44.7 67.1
119 32.1 25.6 38.4

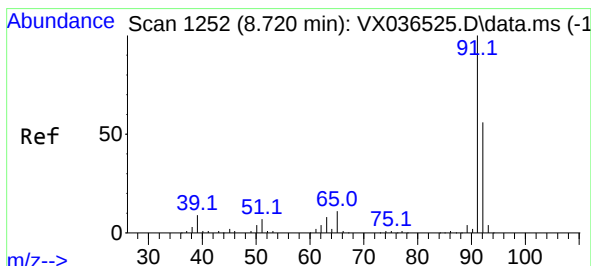
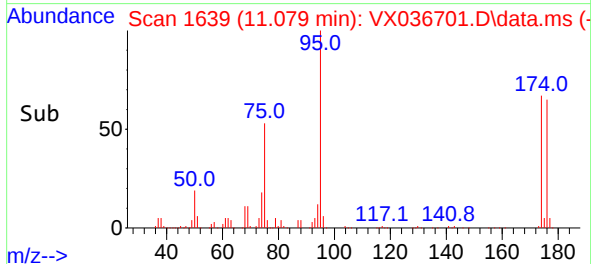
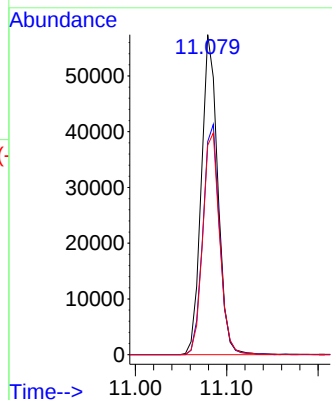
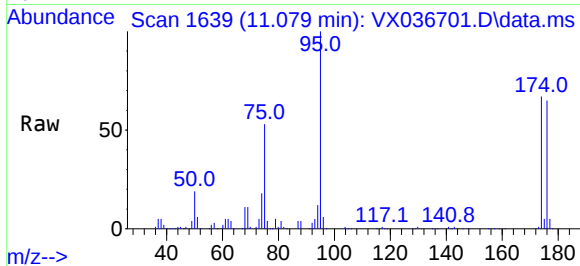




#60
4-Bromofluorobenzene
Concen: 29.928 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX036701.D
Acq: 28 Jul 2023 12:52

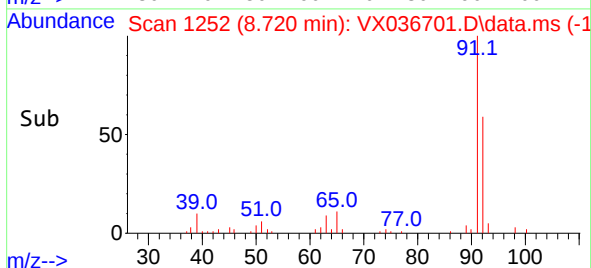
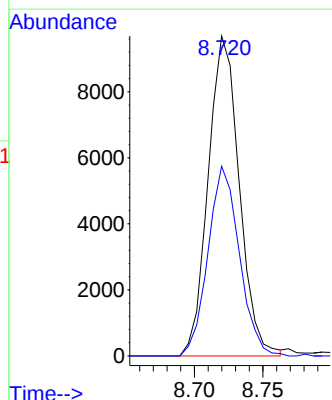
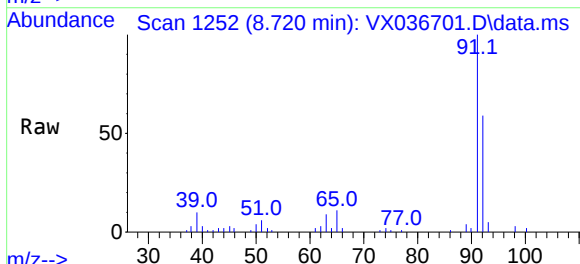
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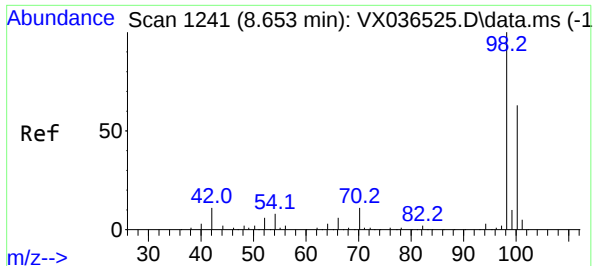
Tgt Ion: 95 Resp: 71787
Ion Ratio Lower Upper
95 100
174 72.7 60.5 90.7
176 70.8 58.2 87.4



#62
Toluene
Concen: 1.844 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX036701.D
Acq: 28 Jul 2023 12:52

Tgt Ion: 91 Resp: 15298
Ion Ratio Lower Upper
91 100
92 59.7 44.9 67.3





#63

Toluene-d8

Concen: 29.826 ug/l

RT: 8.653 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX036701.D

Acq: 28 Jul 2023 12:52

Instrument :

MSVOA_X

ClientSampleId :

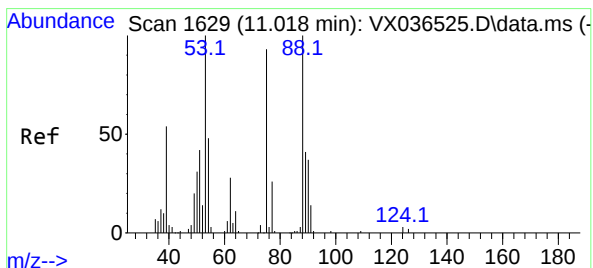
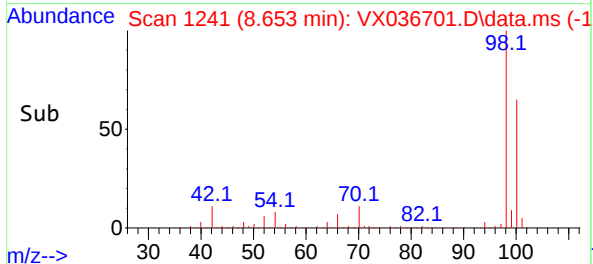
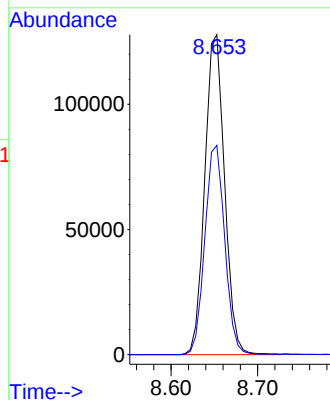
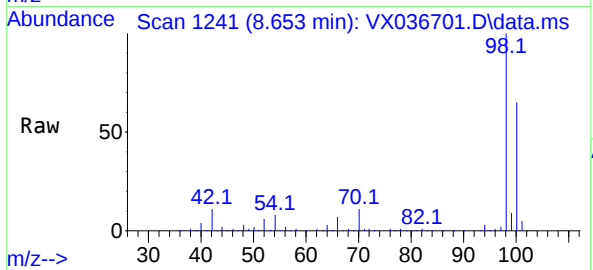
IBLK

Tgt Ion: 98 Resp: 202958

Ion Ratio Lower Upper

98 100

100 65.9 51.6 77.4



#77

t-1,4-Dichloro-2-butene

Concen: 38.750 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX036701.D

Acq: 28 Jul 2023 12:52

Tgt Ion: 75 Resp: 37397

Ion Ratio Lower Upper

75 100

53 0.0 53.9 161.7#

89 0.0 22.1 66.1#

