

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011823\
 Data File : VX033767.D
 Acq On : 18 Jan 2023 12:15
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Jan 18 13:27:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 18 12:35:47 2023
 Response via : Initial Calibration

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

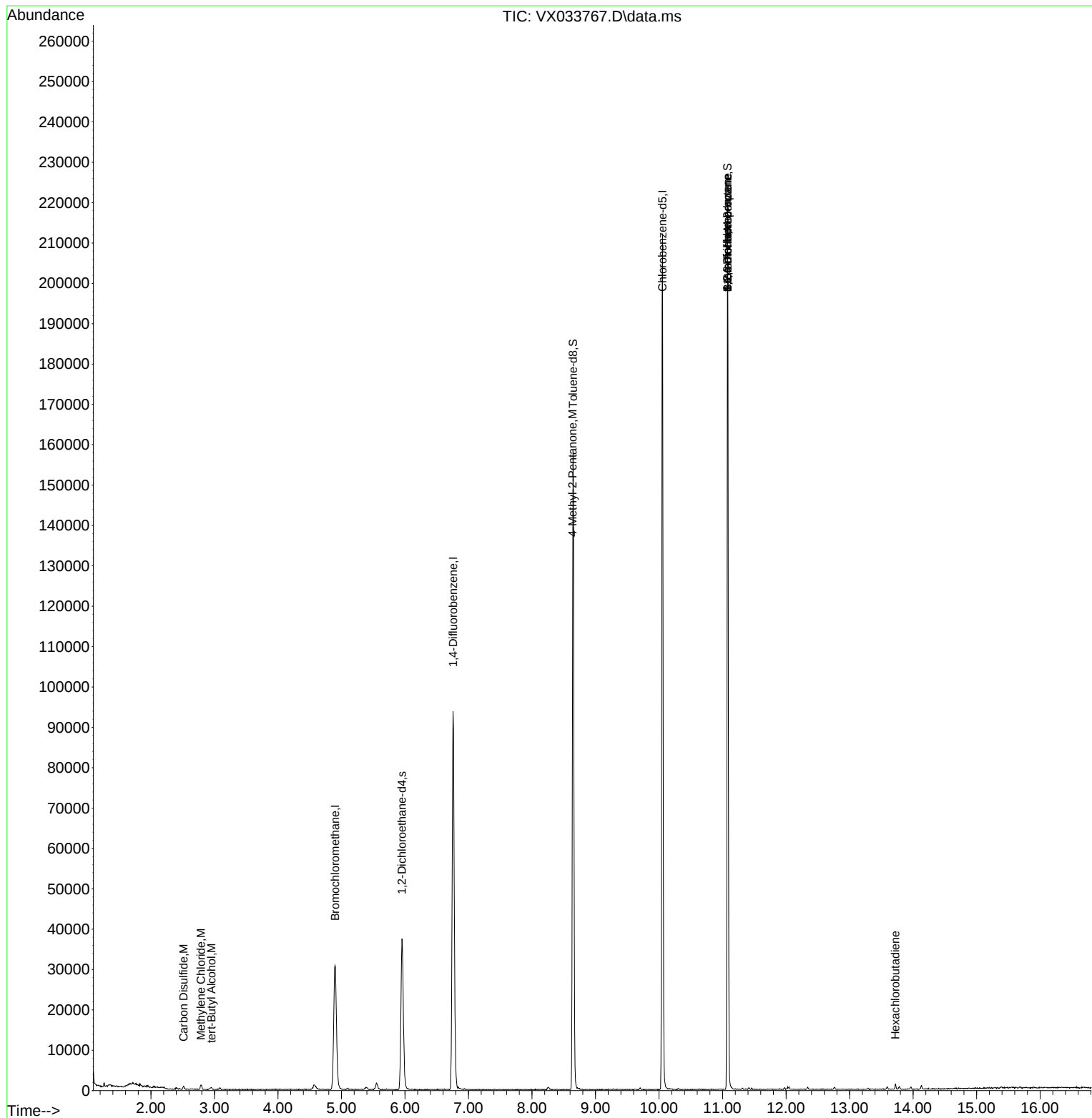
Internal Standards						
1) Bromochloromethane	4.897	128	14657	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	96792	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	97464	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	36971	31.152	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.833%
60) 4-Bromofluorobenzene	11.079	95	55190	31.418	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	104.733%
63) Toluene-d8	8.647	98	92834	29.762	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.200%
Target Compounds						
					Qvalue	
16) Carbon Disulfide	2.514	76	928	0.285	ug/l #	76
18) Methylene Chloride	2.788	84	524	0.334	ug/l	94
23) tert-Butyl Alcohol	2.953	59	327	1.071	ug/l #	78
56) Bromoform	11.079	173	304	0.229	ug/l #	1
58) 4-Methyl-2-Pentanone	8.641	43	395	0.204	ug/l #	1
72) 1,2,3-Trichloropropane	11.079	75	28029	14.949	ug/l	39
77) t-1,4-Dichloro-2-butene	11.079	75	28029	49.967	ug/l #	3
90) Hexachlorobutadiene	13.719	225	341	0.323	ug/l	88

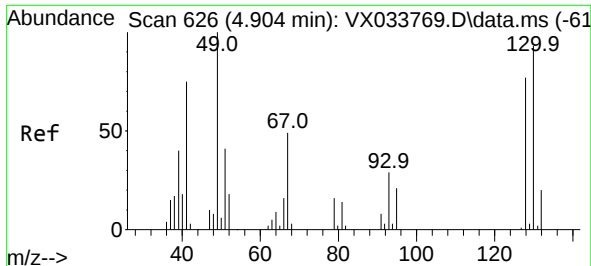
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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IBLK

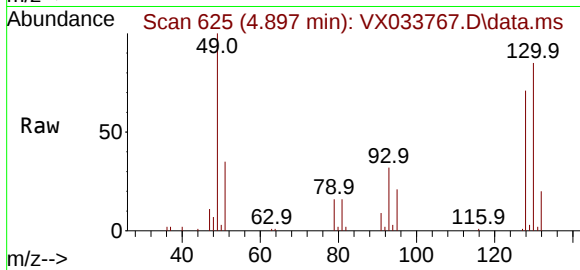
Quant Time: Jan 18 13:27:14 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jan 18 12:35:47 2023
Response via : Initial Calibration



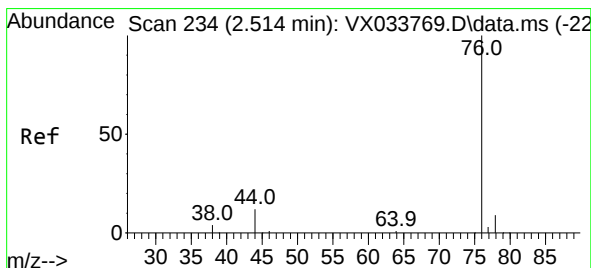
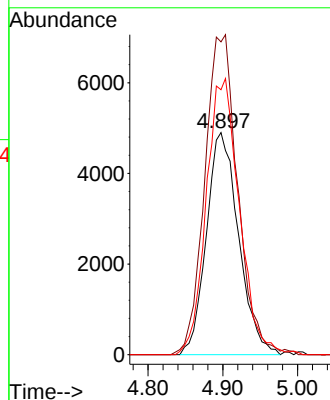
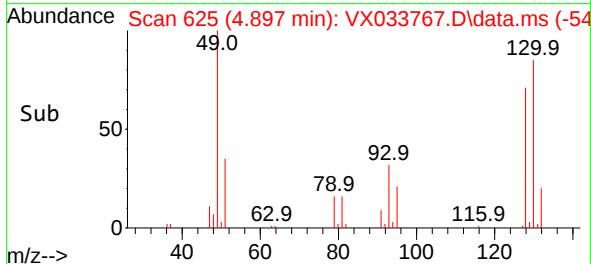


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. -0.001 min
Lab File: VX033767.D
Acq: 18 Jan 2023 12:15

Instrument :
MSVOA_X
ClientSampleId :
IBLK

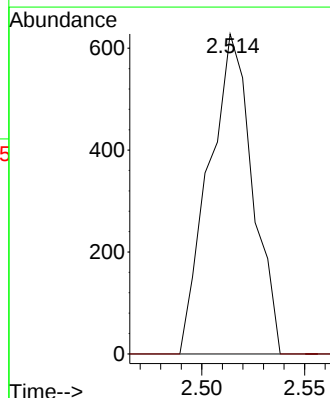
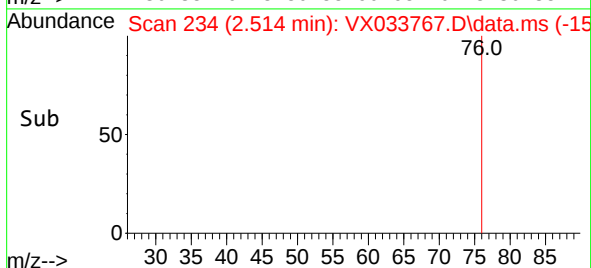
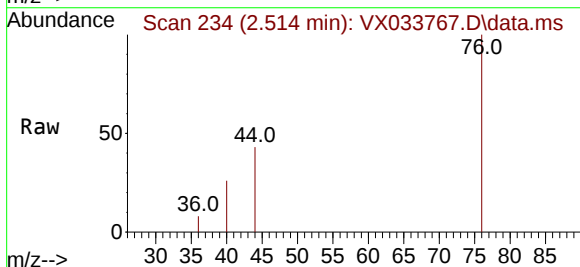


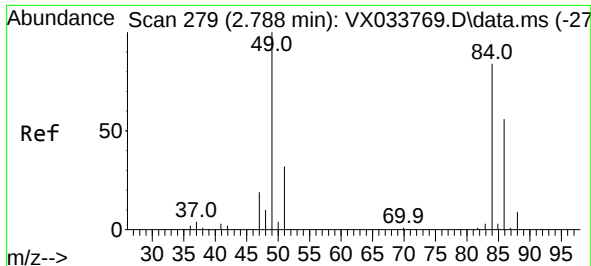
Tgt Ion:128 Resp: 14657
Ion Ratio Lower Upper
128 100
49 147.7 0.0 398.5
130 127.8 0.0 329.0



#16
Carbon Disulfide
Concen: 0.285 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX033767.D
Acq: 18 Jan 2023 12:15

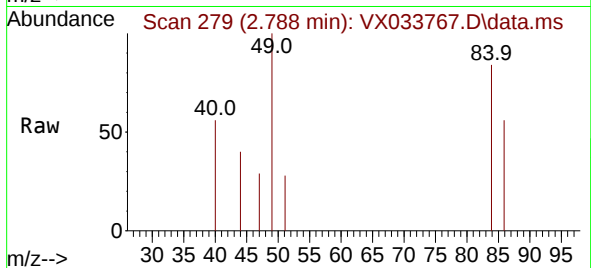
Tgt Ion: 76 Resp: 928
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



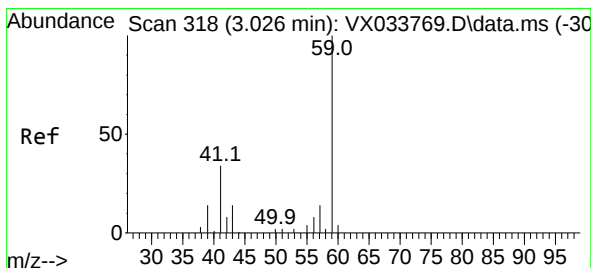
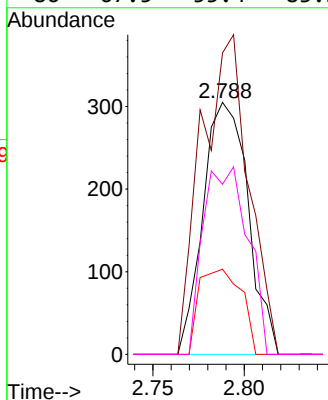
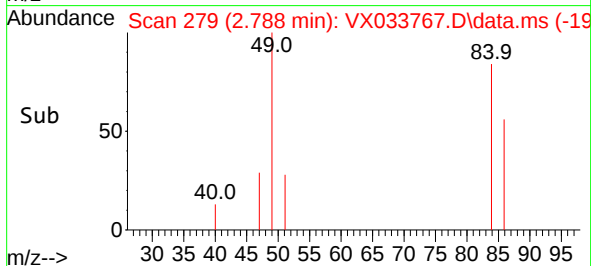


#18
Methylene Chloride
Concen: 0.334 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX033767.D
Acq: 18 Jan 2023 12:15

Instrument :
MSVOA_X
ClientSampleId :
IBLK

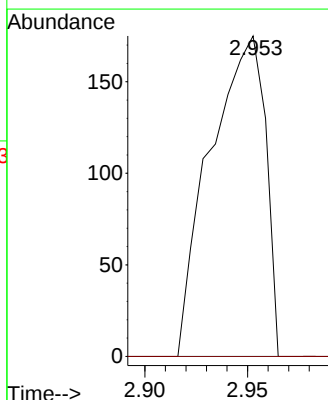
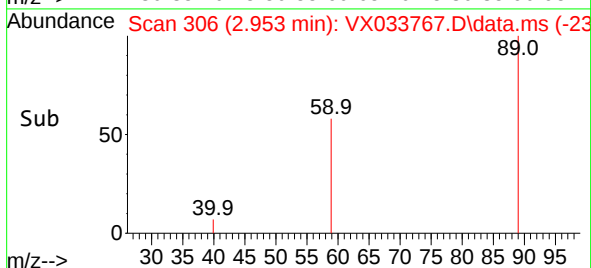
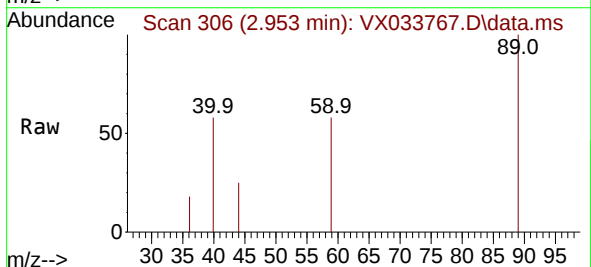


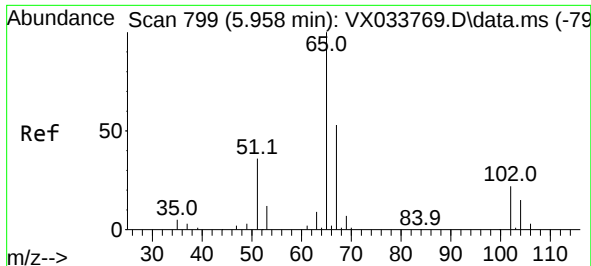
Tgt Ion:	84	Resp:	524
Ion	Ratio	Lower	Upper
84	100		
49	119.7	104.1	156.1
51	33.8	29.2	43.8
86	67.5	55.4	83.2



#23
tert-Butyl Alcohol
Concen: 1.071 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.091 min
Lab File: VX033767.D
Acq: 18 Jan 2023 12:15

Tgt Ion:	59	Resp:	327
Ion	Ratio	Lower	Upper
59	100		
52	27.8	0.2	0.2#

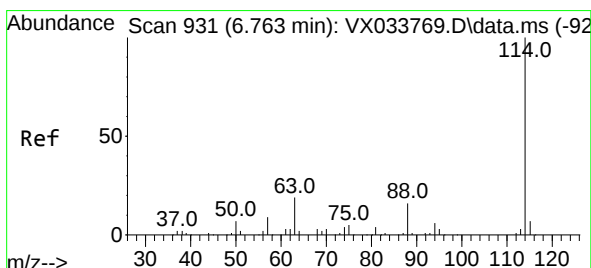
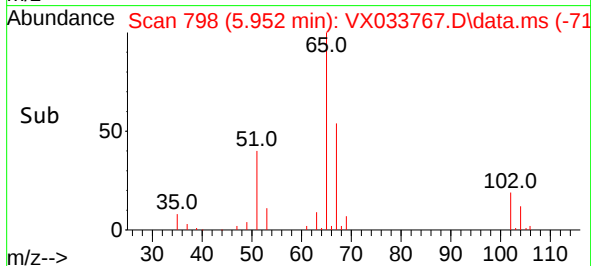
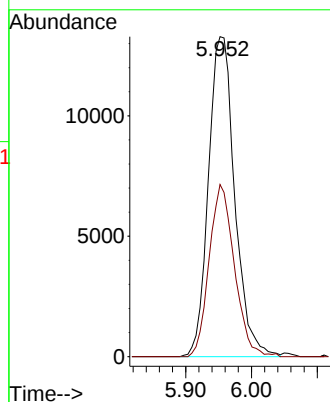
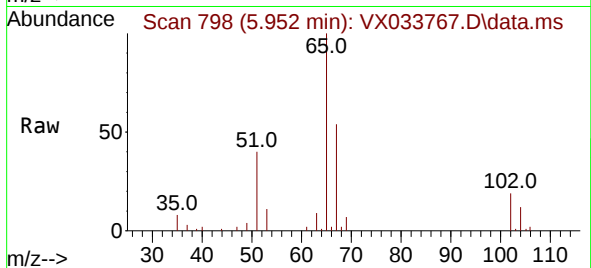




#27
 1,2-Dichloroethane-d4
 Concen: 31.152 ug/l
 RT: 5.952 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: VX033767.D
 Acq: 18 Jan 2023 12:15

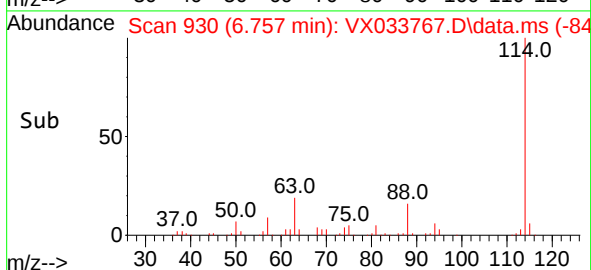
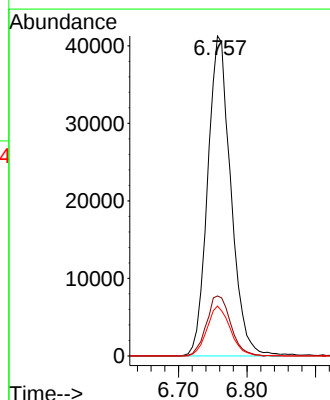
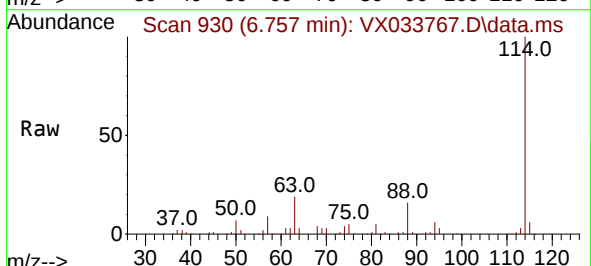
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

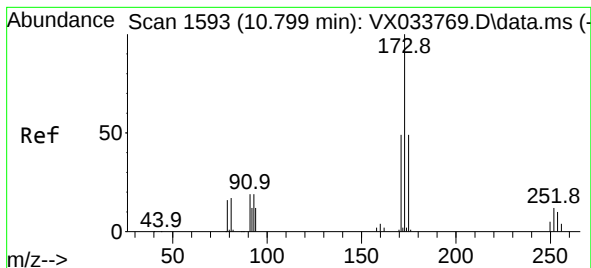
Tgt Ion: 65 Resp: 36971
 Ion Ratio Lower Upper
 65 100
 67 51.3 40.4 60.6



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.006 min
 Lab File: VX033767.D
 Acq: 18 Jan 2023 12:15

Tgt Ion: 114 Resp: 96792
 Ion Ratio Lower Upper
 114 100
 63 19.6 15.5 23.3
 88 15.6 12.4 18.6





#56

Bromoform

Concen: 0.229 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.280 min

Lab File: VX033767.D

Acq: 18 Jan 2023 12:15

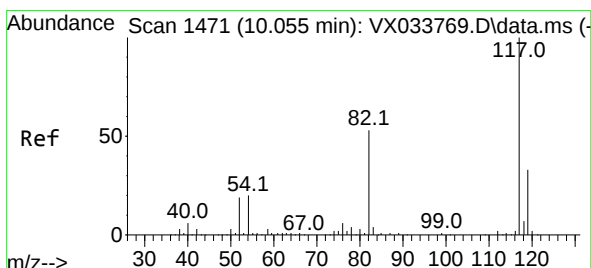
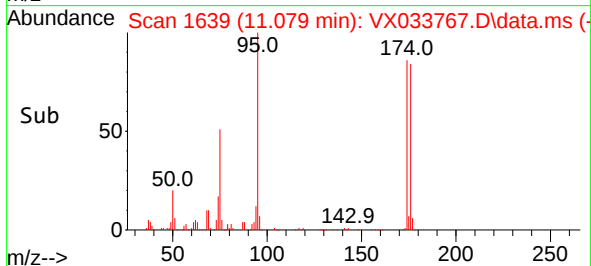
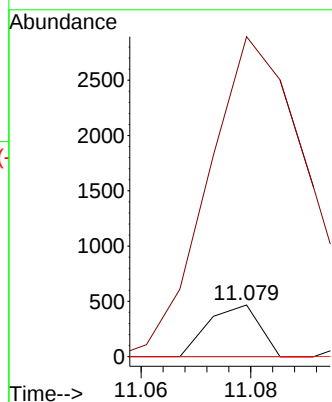
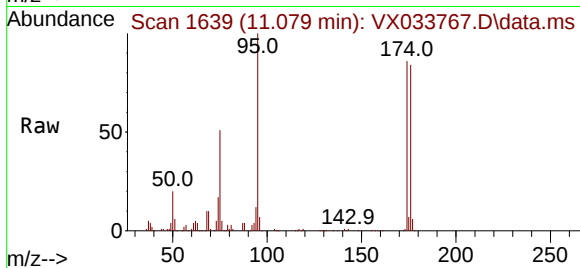
Instrument :

MSVOA_X

ClientSampleId :

IBLK

Tgt Ion:173	Resp:	304
Ion Ratio	Lower	Upper
173	100	
175	1221.1	38.2 57.4#
254	0.0	8.6 13.0#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

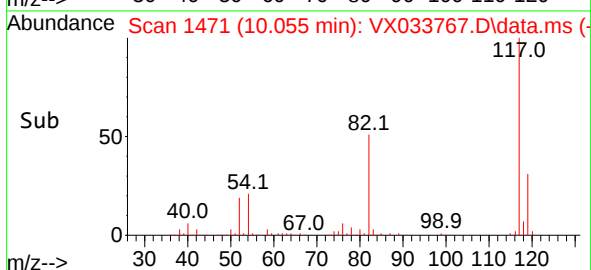
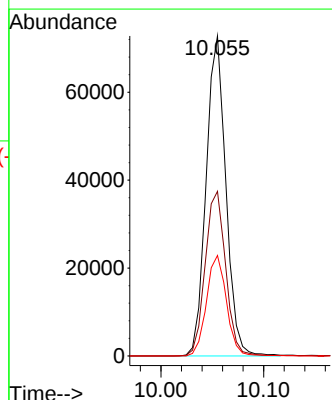
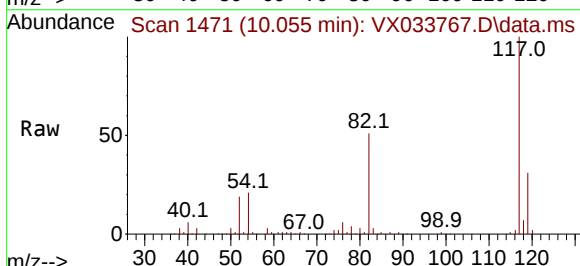
RT: 10.055 min Scan# 1471

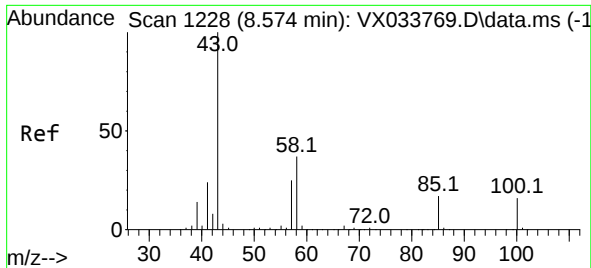
Delta R.T. -0.000 min

Lab File: VX033767.D

Acq: 18 Jan 2023 12:15

Tgt Ion:117	Resp:	97464
Ion Ratio	Lower	Upper
117	100	
82	53.0	41.9 62.9
119	31.9	25.6 38.4





#58

4-Methyl-2-Pentanone

Concen: 0.204 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. 0.067 min

Lab File: VX033767.D

Acq: 18 Jan 2023 12:15

Instrument :

MSVOA_X

ClientSampleId :

IBLK

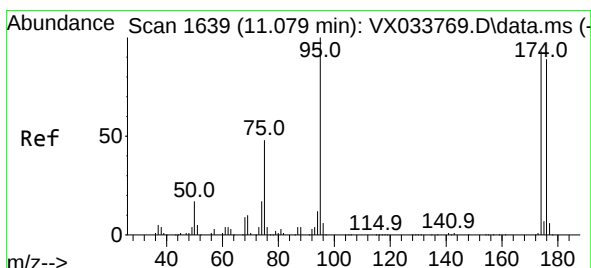
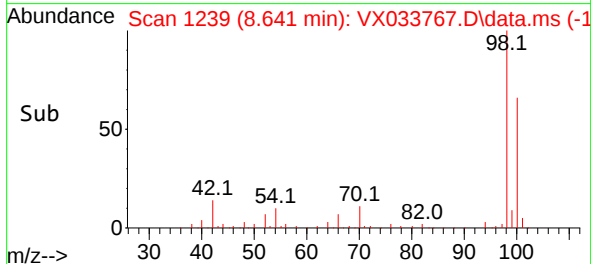
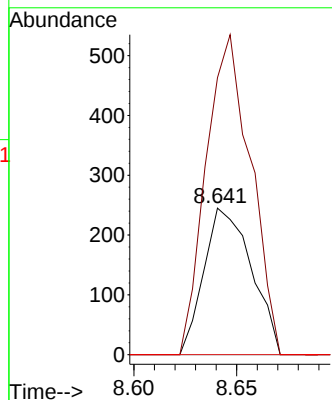
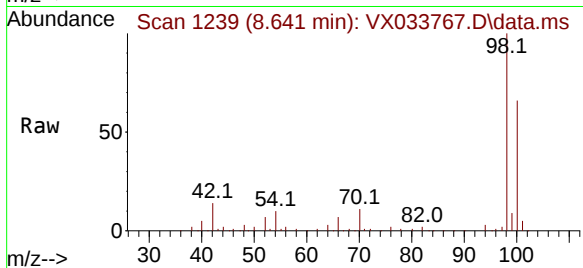
Tgt Ion: 43 Resp: 395

Ion Ratio Lower Upper

43 100

58 204.6 30.2 45.4#

85 0.0 13.8 20.8#



#60

4-Bromofluorobenzene

Concen: 31.418 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX033767.D

Acq: 18 Jan 2023 12:15

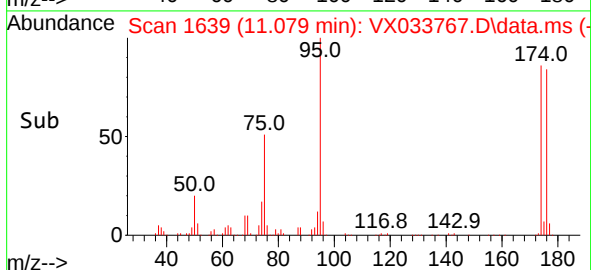
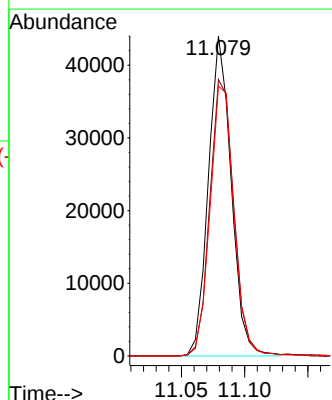
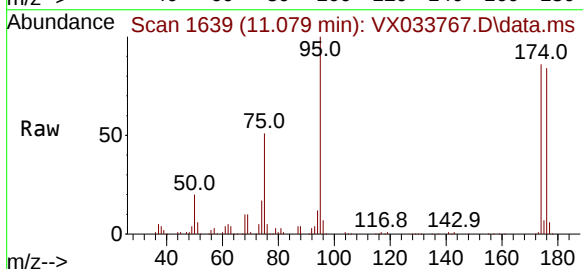
Tgt Ion: 95 Resp: 55190

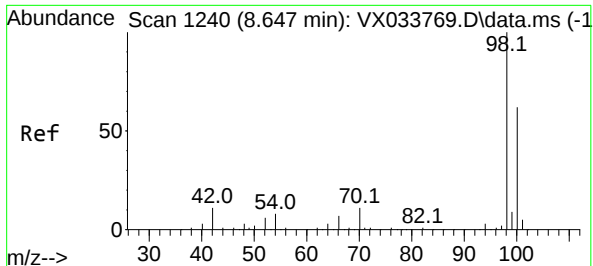
Ion Ratio Lower Upper

95 100

174 91.3 73.7 110.5

176 88.8 71.0 106.4

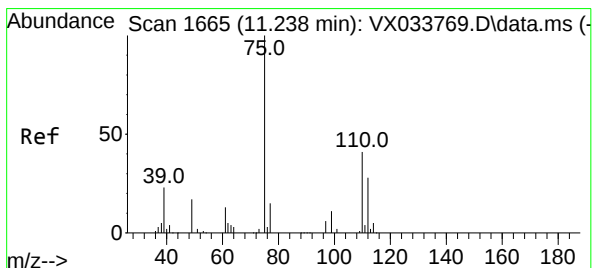
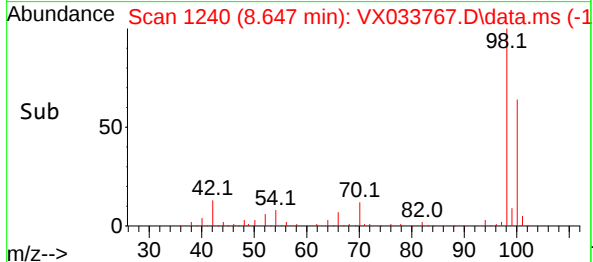
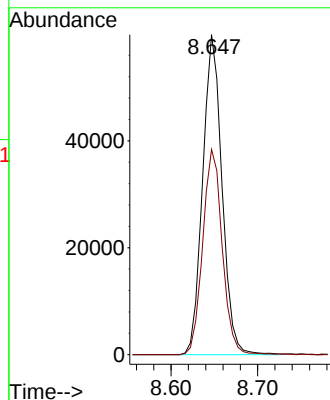
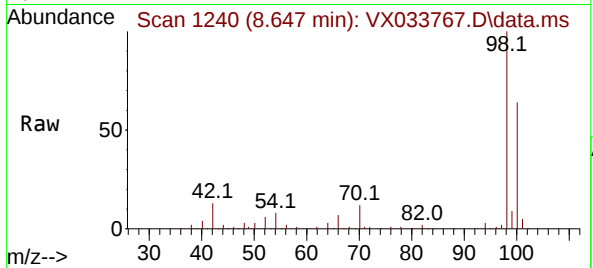




#63
Toluene-d8
Concen: 29.762 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033767.D
Acq: 18 Jan 2023 12:15

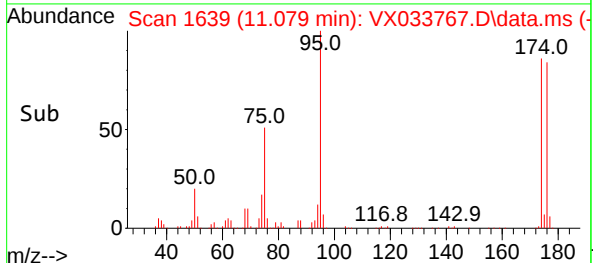
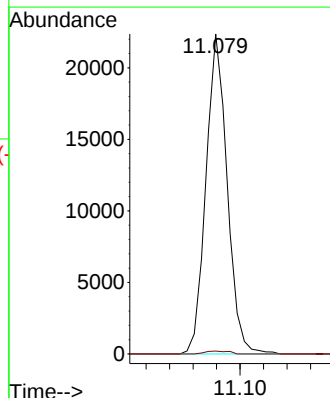
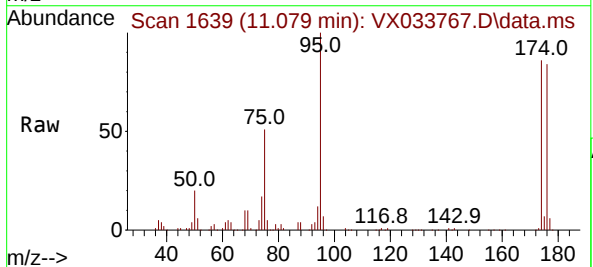
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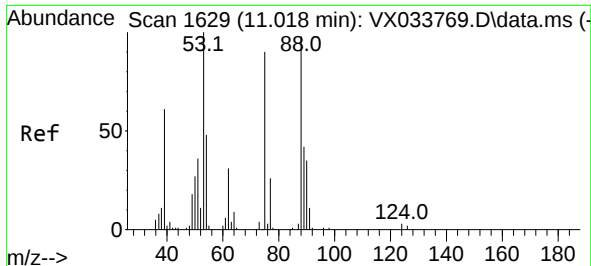
Tgt Ion: 98 Resp: 92834
Ion Ratio Lower Upper
98 100
100 64.7 53.1 79.7



#72
1,2,3-Trichloropropane
Concen: 14.949 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033767.D
Acq: 18 Jan 2023 12:15

Tgt Ion: 75 Resp: 28029
Ion Ratio Lower Upper
75 100
77 0.8 0.0 74.6

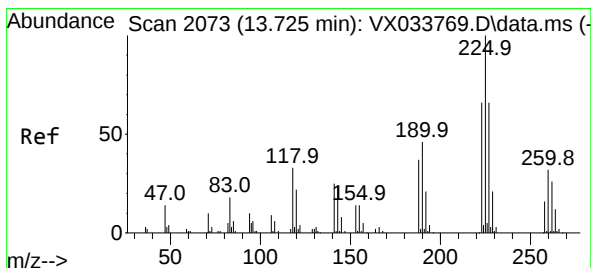
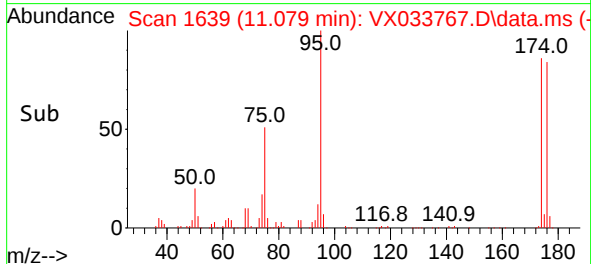
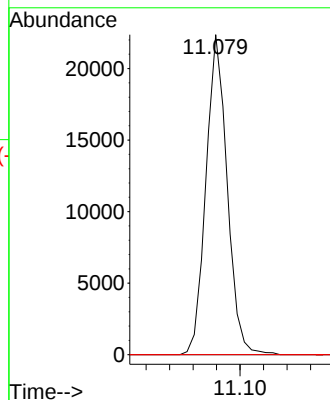
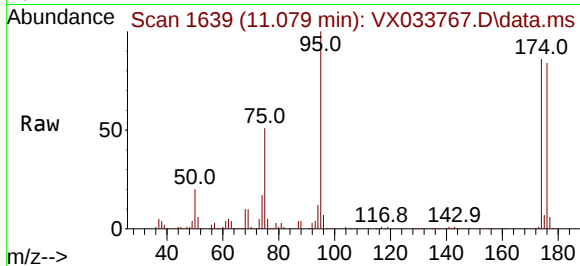




#77
t-1,4-Dichloro-2-butene
Concen: 49.967 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033767.D
Acq: 18 Jan 2023 12:15

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion: 75 Resp: 28029
Ion Ratio Lower Upper
75 100
53 0.0 60.2 180.6#
89 0.0 23.2 69.6#



#90
Hexachlorobutadiene
Concen: 0.323 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX033767.D
Acq: 18 Jan 2023 12:15

Tgt Ion: 225 Resp: 341
Ion Ratio Lower Upper
225 100
223 67.2 0.0 127.0
227 47.2 0.0 123.0

