

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010923\
 Data File : VX033661.D
 Acq On : 09 Jan 2023 13:55
 Operator : JC/MD
 Sample : N6226-01RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 10 00:46:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X010723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jan 07 06:16:21 2023
 Response via : Initial Calibration

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

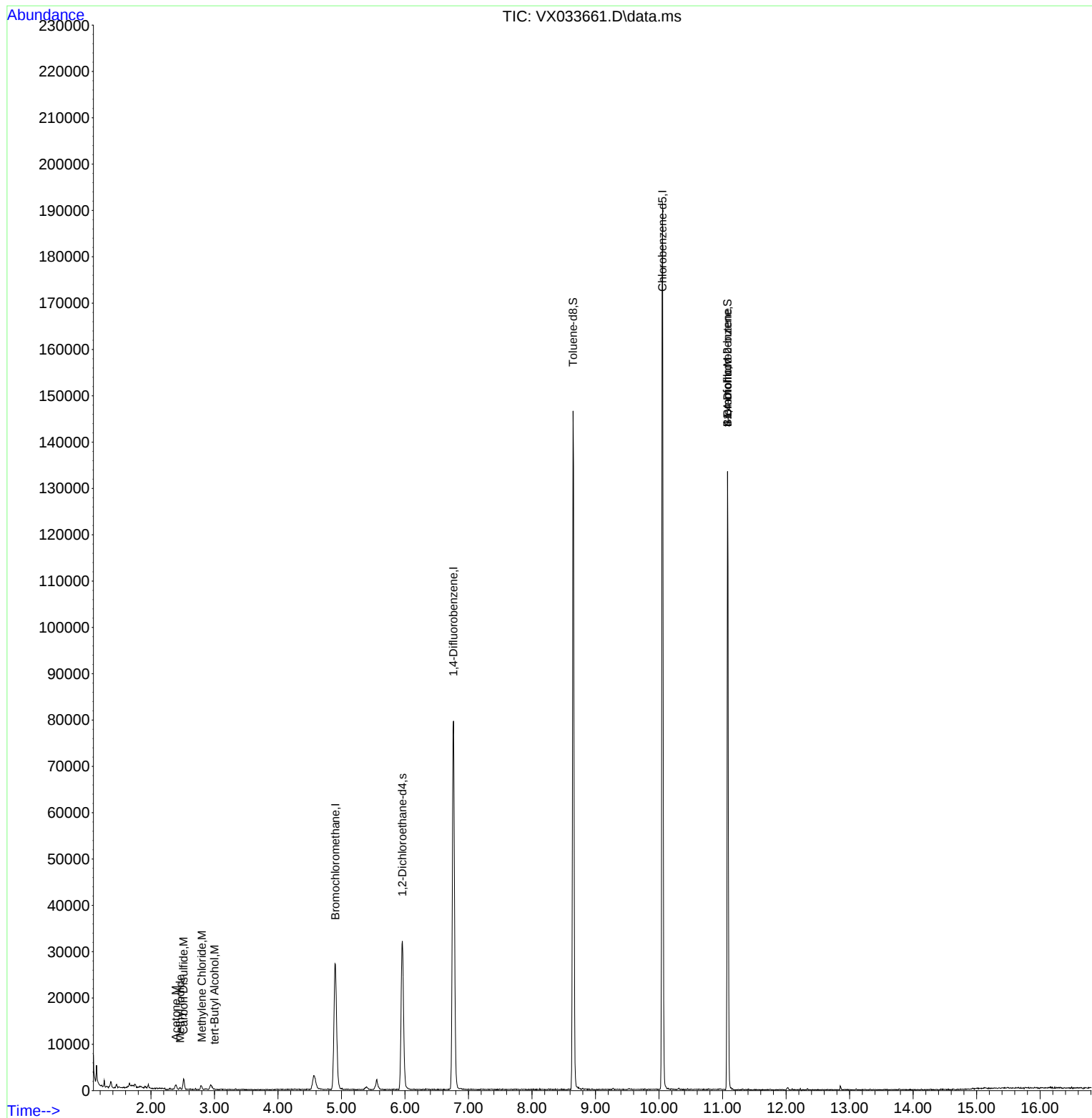
Internal Standards						
1) Bromochloromethane	4.903	128	11956	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	83168	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	89895	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	32122	33.181	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	110.600%#
60) 4-Bromofluorobenzene	11.079	95	31439	19.404	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	64.667%
63) Toluene-d8	8.647	98	87242	30.324	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.067%
Target Compounds						
					Qvalue	
11) Methyl Iodide	2.459	142	341	0.217	ug/l #	89
15) Acetone	2.392	58	414	2.901	ug/l #	18
16) Carbon Disulfide	2.514	76	2803	1.055	ug/l #	95
18) Methylene Chloride	2.800	84	391	0.306	ug/l #	82
23) tert-Butyl Alcohol	3.001	59	78	0.313	ug/l #	100
56) Bromoform	11.079	173	548	0.481	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	16437	31.769	ug/l #	3

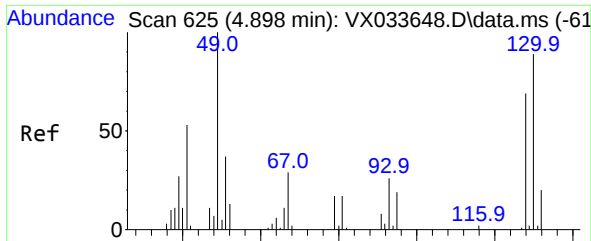
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :

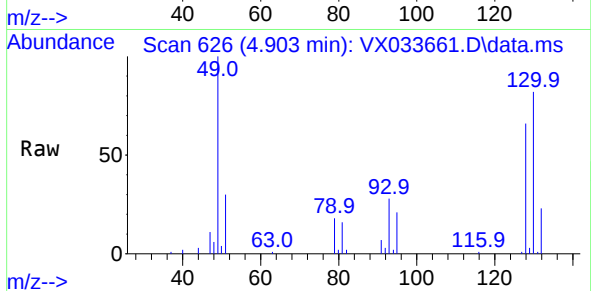
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X010723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jan 07 06:16:21 2023
Response via : Initial Calibration



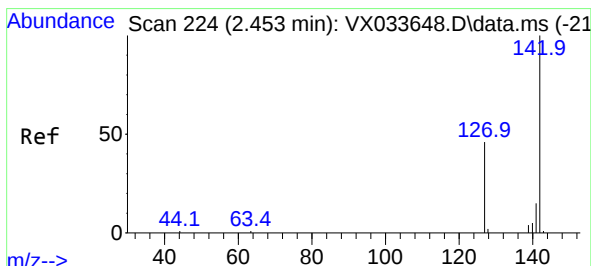
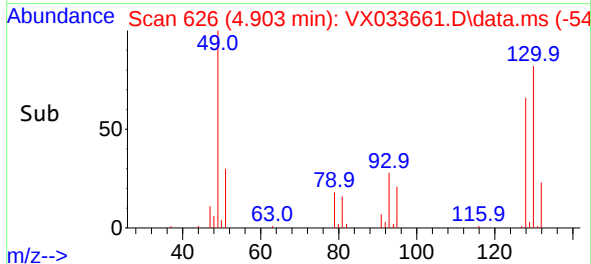
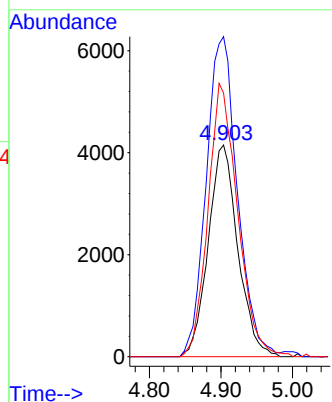


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. 0.005 min
Lab File: VX033661.D
Acq: 09 Jan 2023 13:55

Instrument :
MSVOA_X
ClientSampleId :

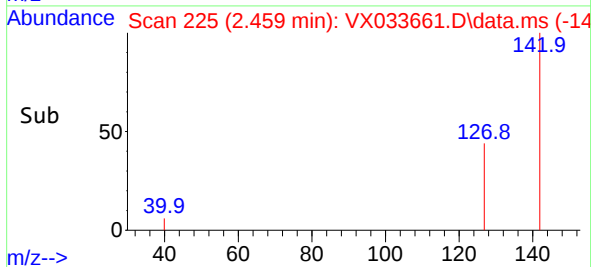
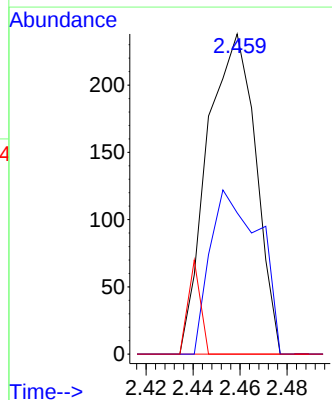
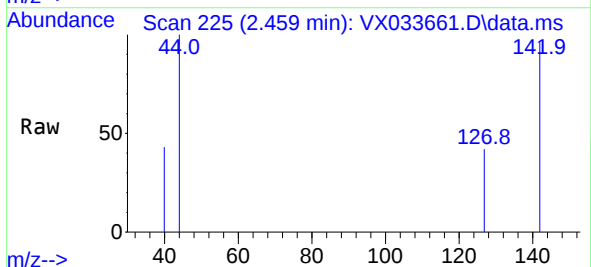


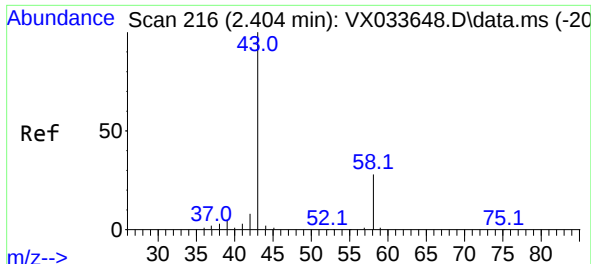
Tgt Ion:128 Resp: 11956
Ion Ratio Lower Upper
128 100
49 158.8 0.0 398.5
130 129.0 0.0 329.0



#11
Methyl Iodide
Concen: 0.217 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX033661.D
Acq: 09 Jan 2023 13:55

Tgt Ion:142 Resp: 341
Ion Ratio Lower Upper
142 100
127 44.1 23.2 69.5
141 0.0 7.3 22.0#

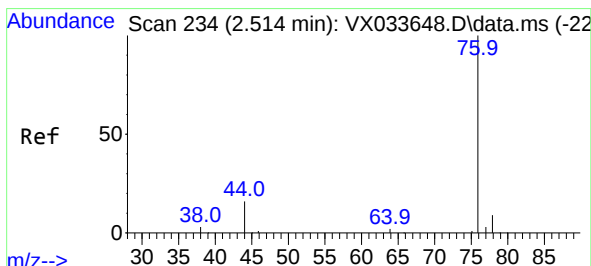
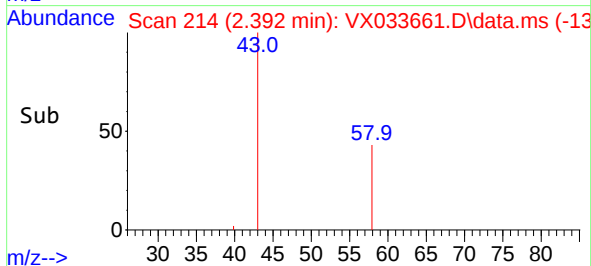
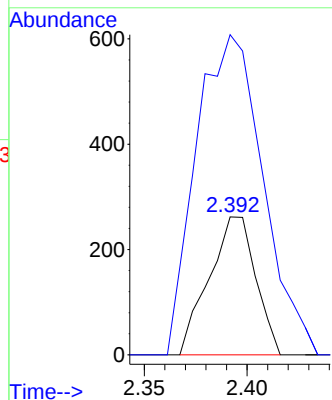
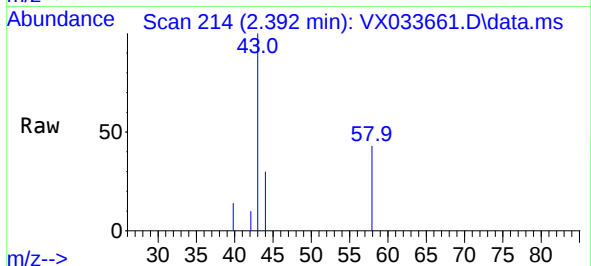




#15
Acetone
Concen: 2.901 ug/l
RT: 2.392 min Scan# 216
Delta R.T. -0.012 min
Lab File: VX033661.D
Acq: 09 Jan 2023 13:55

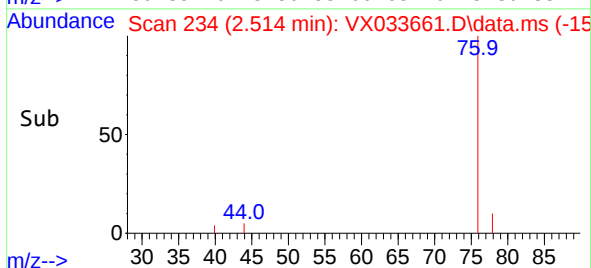
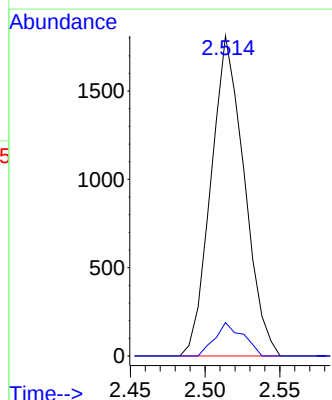
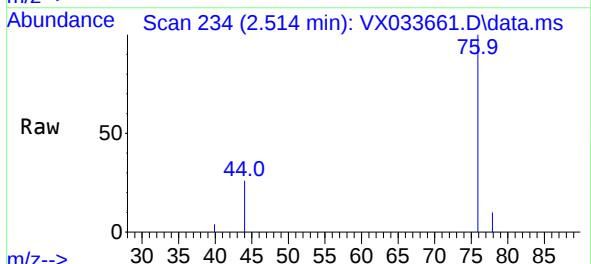
Instrument :
MSVOA_X
ClientSampleId :

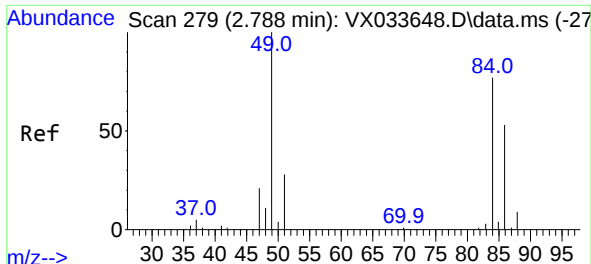
Tgt Ion: 58 Resp: 414
Ion Ratio Lower Upper
58 100
43 177.9 288.3 432.5#



#16
Carbon Disulfide
Concen: 1.055 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX033661.D
Acq: 09 Jan 2023 13:55

Tgt Ion: 76 Resp: 2803
Ion Ratio Lower Upper
76 100
78 10.5 7.0 10.4#





#18

Methylene Chloride

Concen: 0.306 ug/l

RT: 2.800 min Scan# 21

Delta R.T. 0.012 min

Lab File: VX033661.D

Acq: 09 Jan 2023 13:55

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 84 Resp: 391

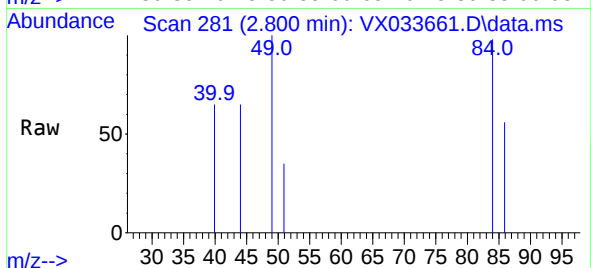
Ion Ratio Lower Upper

84 100

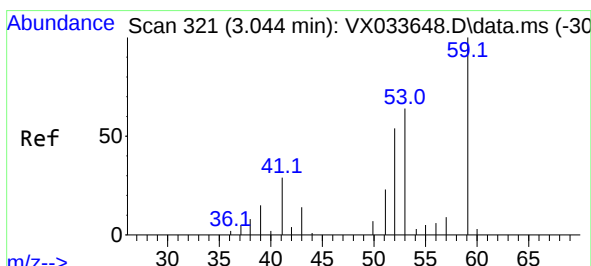
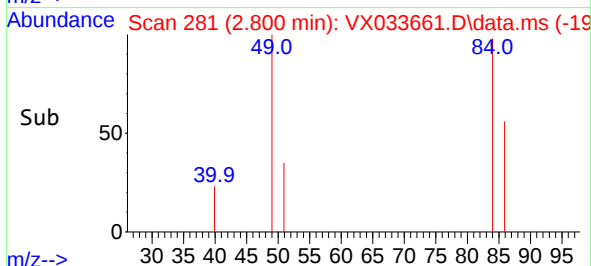
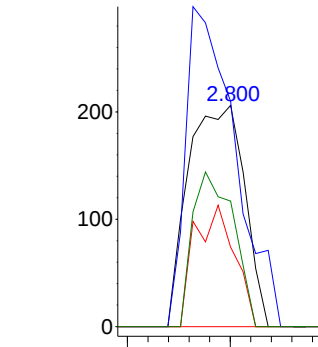
49 101.9 104.1 156.1#

51 35.9 29.2 43.8

86 56.8 55.4 83.2



Abundance



#23

tert-Butyl Alcohol

Concen: 0.313 ug/l

RT: 3.001 min Scan# 314

Delta R.T. -0.043 min

Lab File: VX033661.D

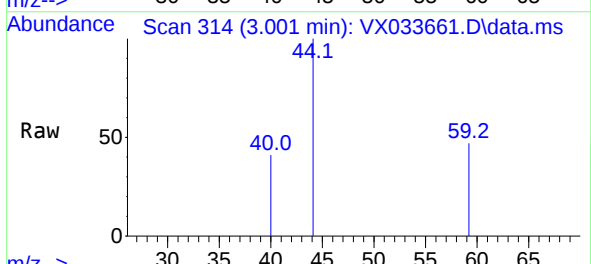
Acq: 09 Jan 2023 13:55

Tgt Ion: 59 Resp: 78

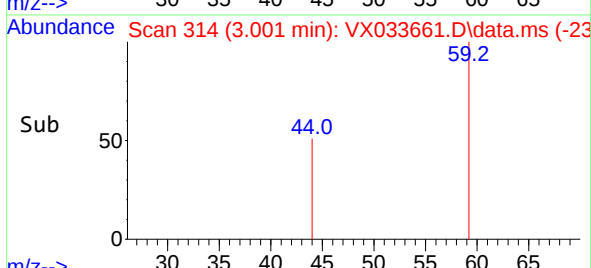
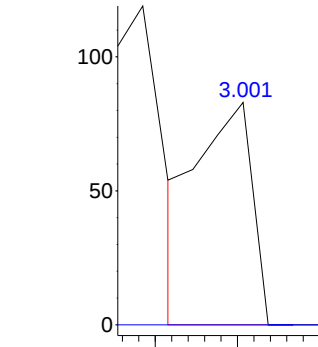
Ion Ratio Lower Upper

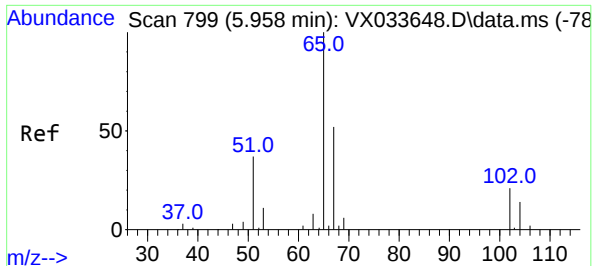
59 100

52 0.0 0.2 0.2#



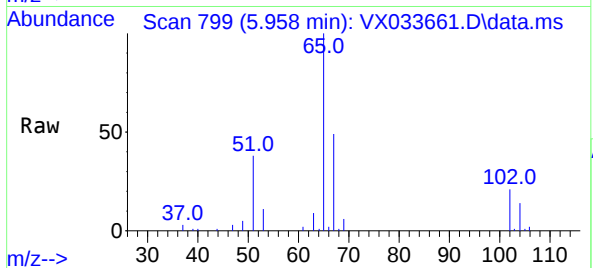
Abundance



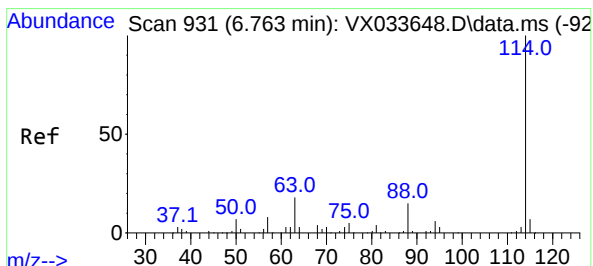
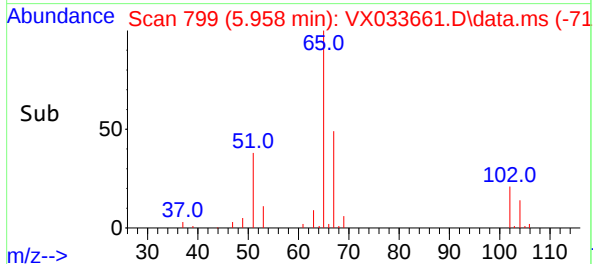
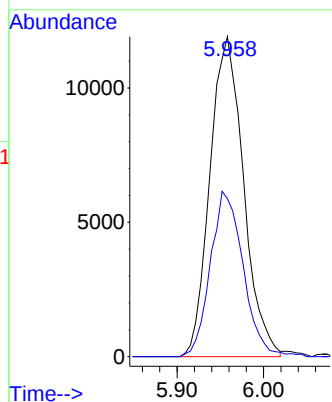


#27
1,2-Dichloroethane-d4
Concen: 33.181 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX033661.D
Acq: 09 Jan 2023 13:55

Instrument :
MSVOA_X
ClientSampleId :

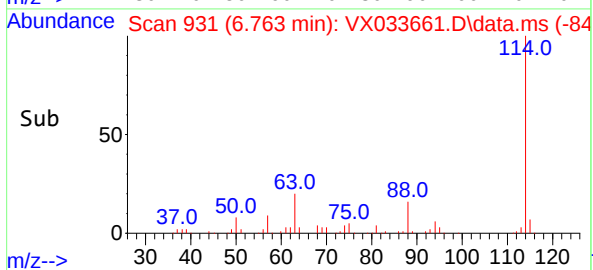
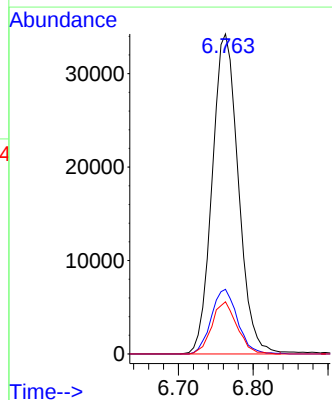
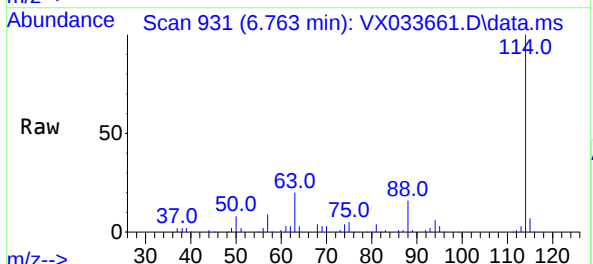


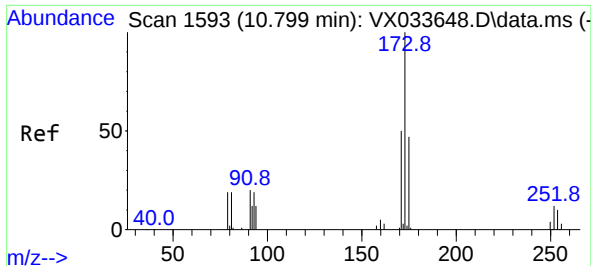
Tgt Ion: 65 Resp: 32122
Ion Ratio Lower Upper
65 100
67 50.5 40.4 60.6



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX033661.D
Acq: 09 Jan 2023 13:55

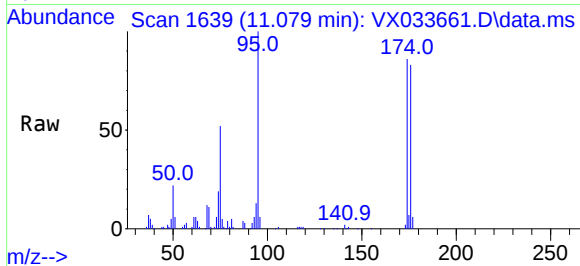
Tgt Ion: 114 Resp: 83168
Ion Ratio Lower Upper
114 100
63 20.3 15.5 23.3
88 15.7 12.4 18.6



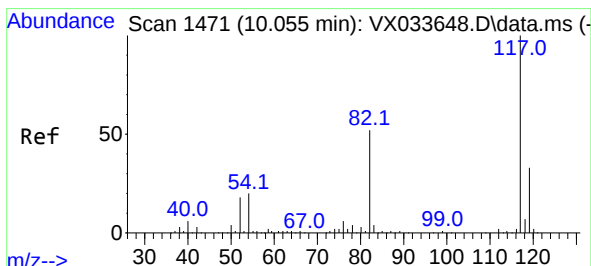
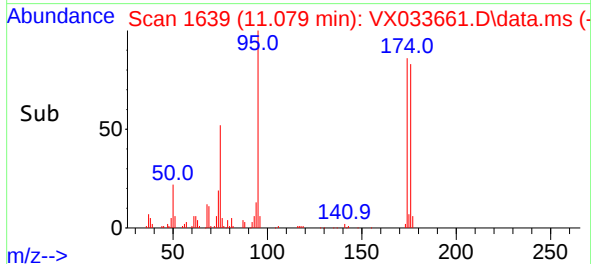
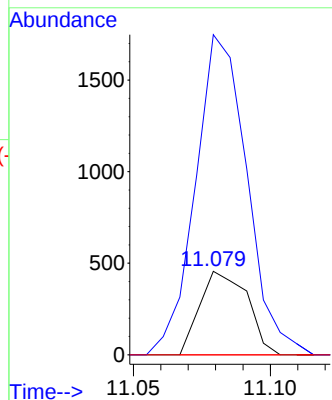


#56
Bromoform
Concen: 0.481 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.280 min
Lab File: VX033661.D
Acq: 09 Jan 2023 13:55

Instrument :
MSVOA_X
ClientSampleId :

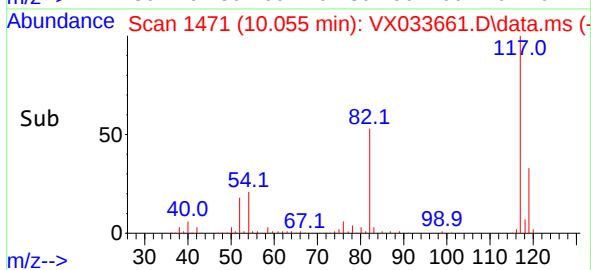
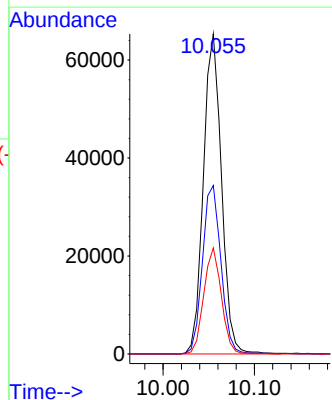
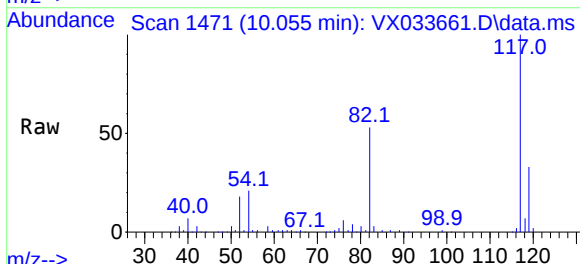


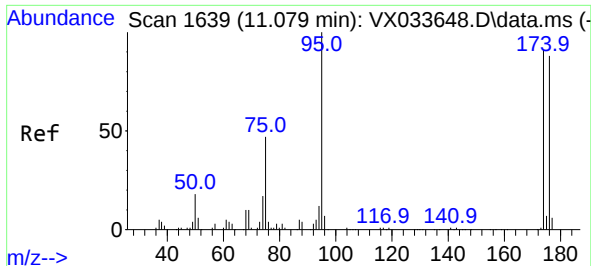
Tgt Ion:173 Resp: 548
Ion Ratio Lower Upper
173 100
175 418.1 38.2 57.4#
254 0.0 8.6 13.0#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033661.D
Acq: 09 Jan 2023 13:55

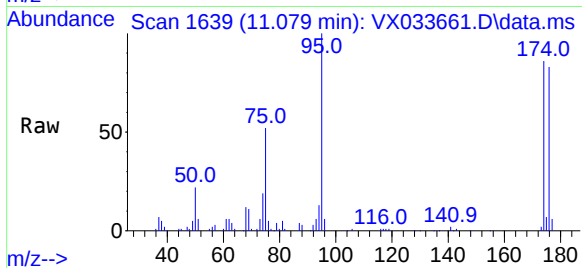
Tgt Ion:117 Resp: 89895
Ion Ratio Lower Upper
117 100
82 53.8 41.9 62.9
119 32.2 25.6 38.4



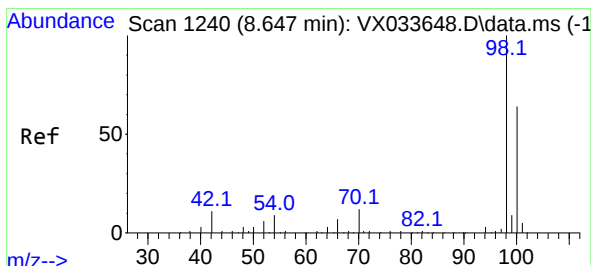
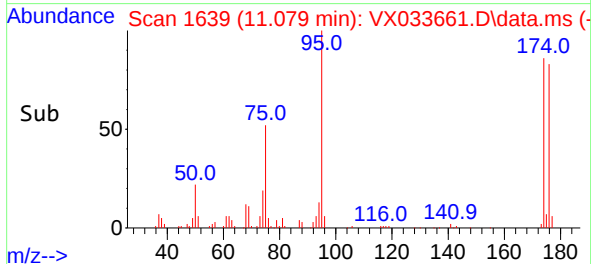
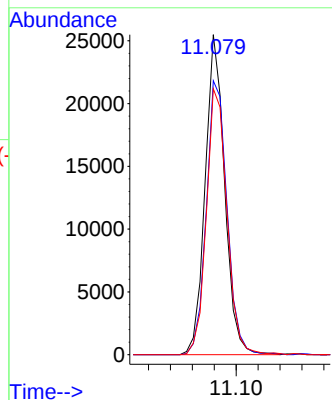


#60
4-Bromofluorobenzene
Concen: 19.404 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033661.D
Acq: 09 Jan 2023 13:55

Instrument :
MSVOA_X
ClientSampleId :

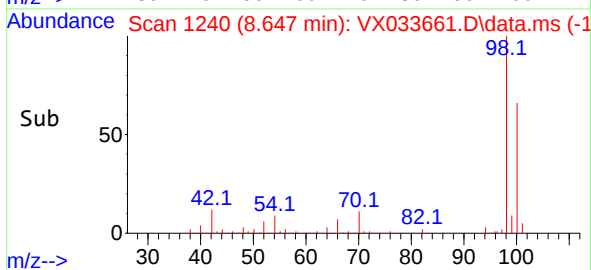
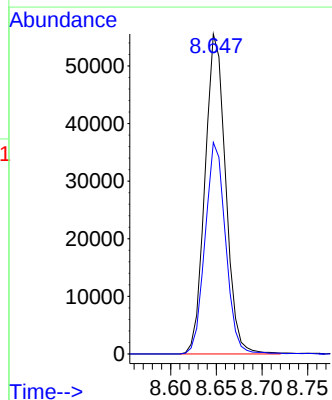
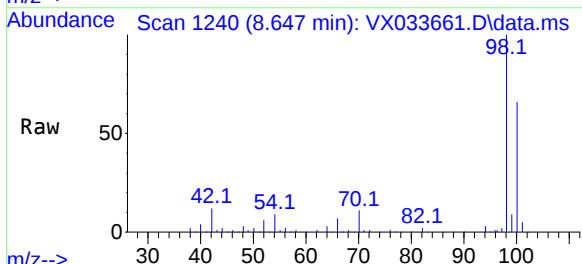


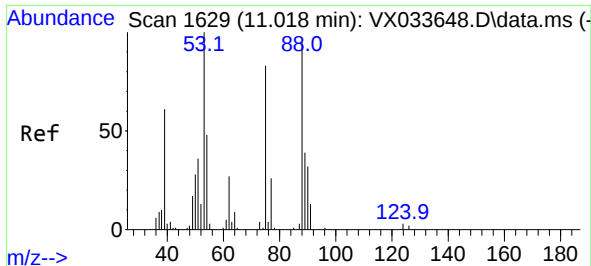
Tgt Ion: 95 Resp: 31439
Ion Ratio Lower Upper
95 100
174 91.3 73.7 110.5
176 87.5 71.0 106.4



#63
Toluene-d8
Concen: 30.324 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX033661.D
Acq: 09 Jan 2023 13:55

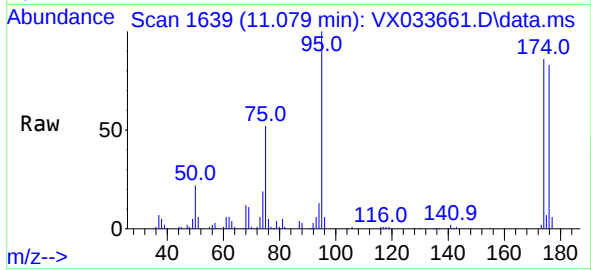
Tgt Ion: 98 Resp: 87242
Ion Ratio Lower Upper
98 100
100 65.4 53.1 79.7





#77
t-1,4-Dichloro-2-butene
Concen: 31.769 ug/l
RT: 11.079 min Scan# 10
Delta R.T. 0.061 min
Lab File: VX033661.D
Acq: 09 Jan 2023 13:55

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 16437
Ion Ratio Lower Upper
75 100
53 0.0 60.2 180.6#
89 0.0 23.2 69.6#

