

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121622\
 Data File : VX033454.D
 Acq On : 16 Dec 2022 12:16
 Operator : JC/MD
 Sample : N6074-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 221214021-01-TRIP-BLANK

Quant Time: Dec 17 07:45:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X121222W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Dec 12 12:37:35 2022
 Response via : Initial Calibration

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

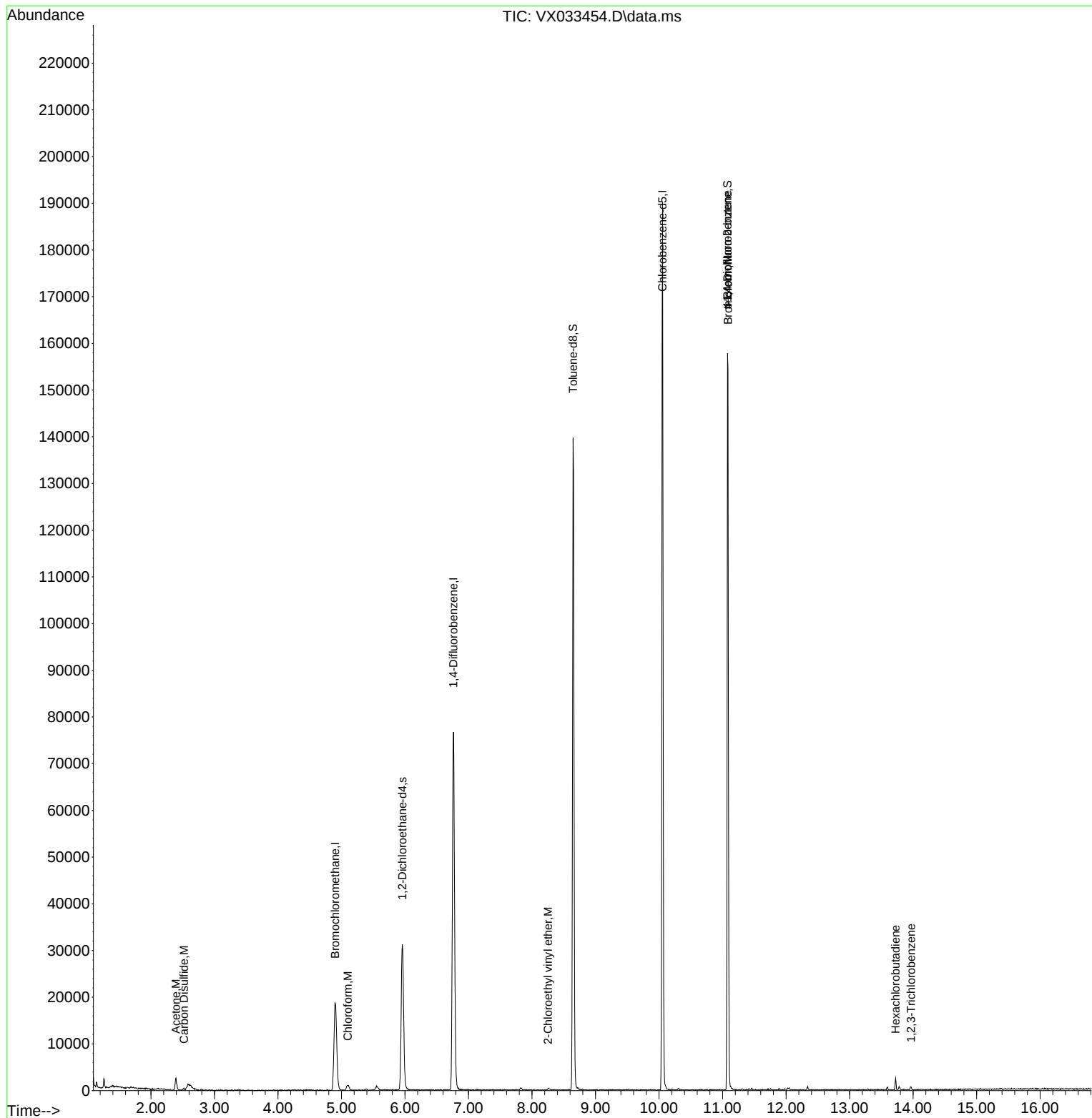
Internal Standards						
1) Bromochloromethane	4.897	128	8661	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	81258	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	85973	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	32011	42.083	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	140.267%#
60) 4-Bromofluorobenzene	11.079	95	43553	27.352	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.167%
63) Toluene-d8	8.647	98	84149	29.424	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.067%
Target Compounds						
					Qvalue	
15) Acetone	2.392	58	1089	8.281	ug/l	75
16) Carbon Disulfide	2.520	76	441	0.219	ug/l #	76
25) Chloroform	5.098	83	948	0.548	ug/l #	83
55) 2-Chloroethyl vinyl ether	8.250	63	236	0.283	ug/l #	43
56) Bromoform	11.085	173	399	0.370	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	23205	44.590	ug/l #	9
90) Hexachlorobutadiene	13.725	225	446	0.638	ug/l	91
92) 1,2,3-Trichlorobenzene	13.969	180	337	0.204	ug/l	89

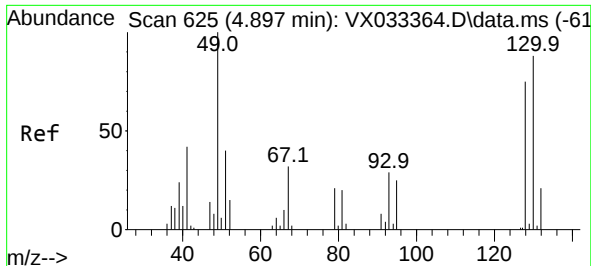
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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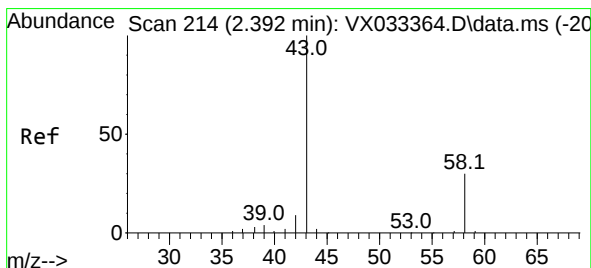
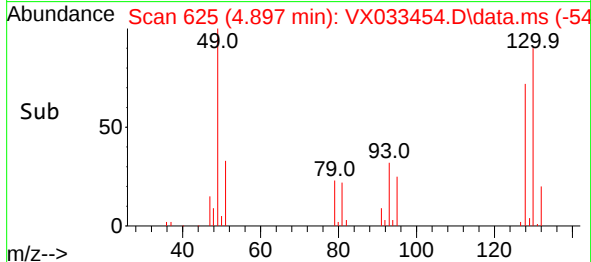
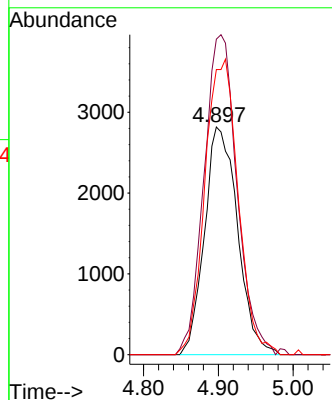
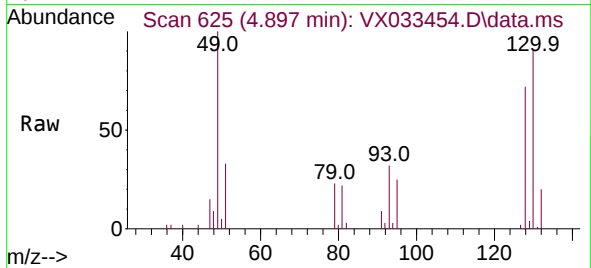




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX033454.D
Acq: 16 Dec 2022 12:16

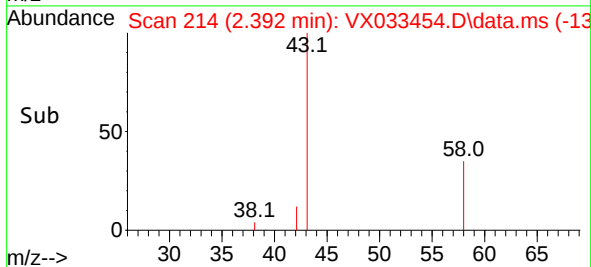
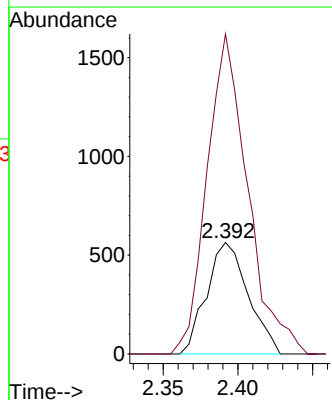
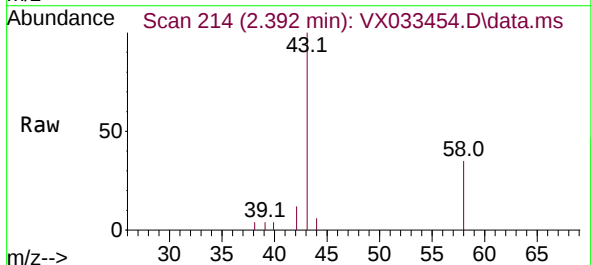
Instrument :
MSVOA_X
ClientSampleId :
221214021-01-TRIP-BLANK

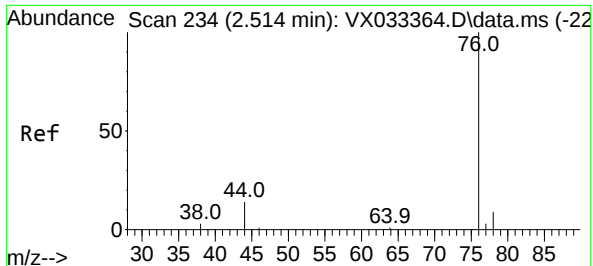
Tgt Ion:128 Resp: 8661
Ion Ratio Lower Upper
128 100
49 140.4 0.0 339.5
130 130.7 0.0 318.0



#15
Acetone
Concen: 8.281 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX033454.D
Acq: 16 Dec 2022 12:16

Tgt Ion: 58 Resp: 1089
Ion Ratio Lower Upper
58 100
43 276.8 262.9 394.3

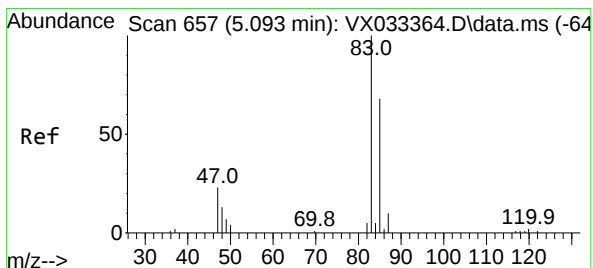
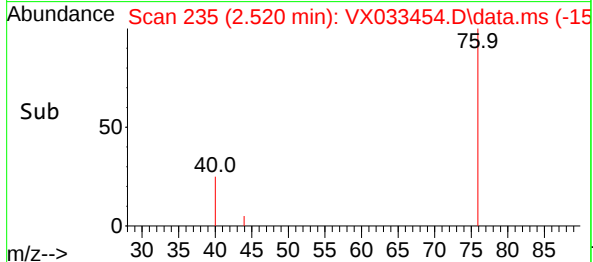
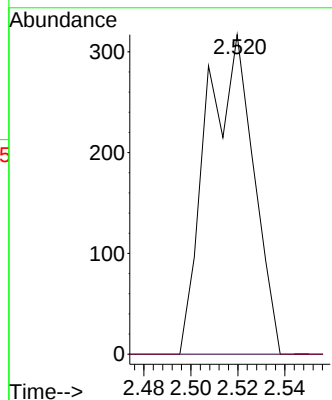
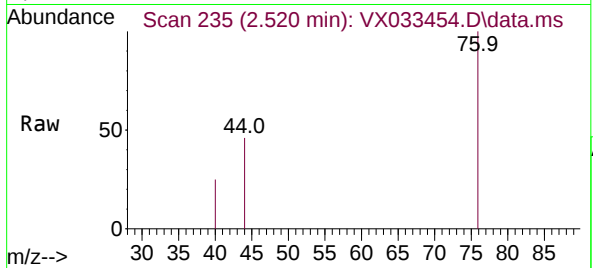




#16
Carbon Disulfide
Concen: 0.219 ug/l
RT: 2.520 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX033454.D
Acq: 16 Dec 2022 12:16

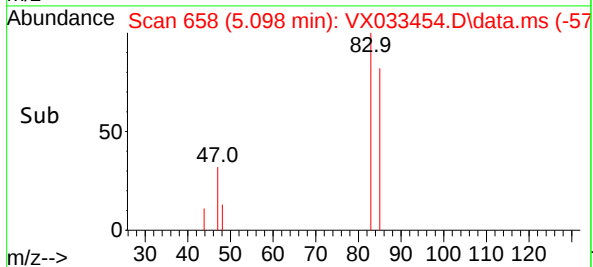
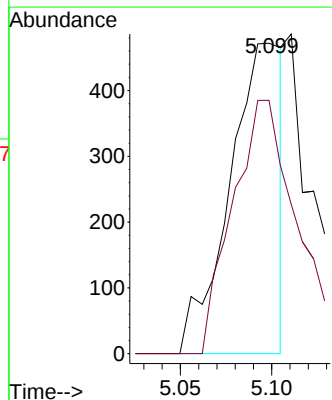
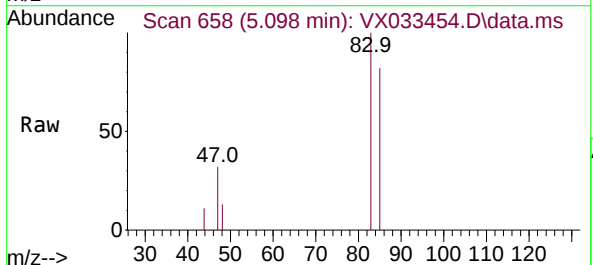
Instrument :
MSVOA_X
ClientSampleId :
221214021-01-TRIP-BLANK

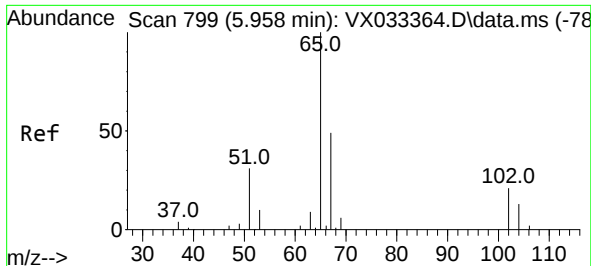
Tgt Ion: 76 Resp: 441
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#25
Chloroform
Concen: 0.548 ug/l
RT: 5.098 min Scan# 658
Delta R.T. 0.006 min
Lab File: VX033454.D
Acq: 16 Dec 2022 12:16

Tgt Ion: 83 Resp: 948
Ion Ratio Lower Upper
83 100
85 81.6 54.2 81.2#

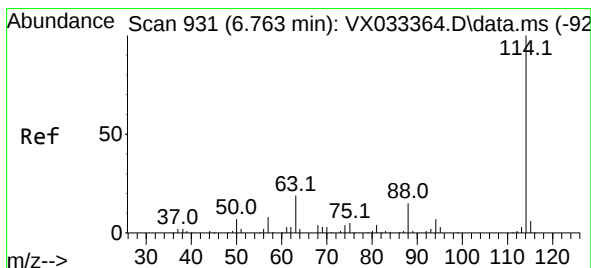
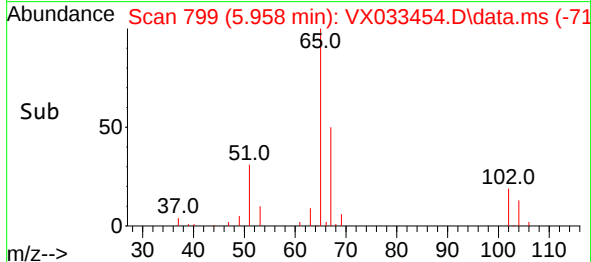
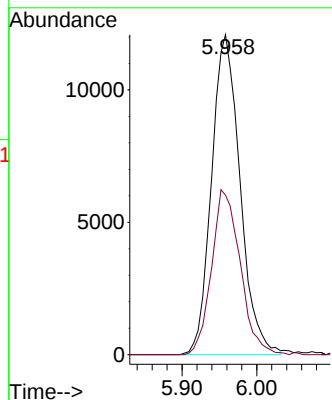
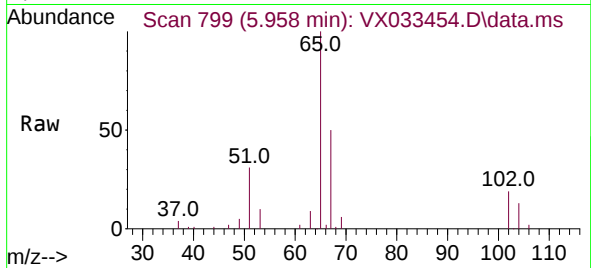




#27
 1,2-Dichloroethane-d4
 Concen: 42.083 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. -0.000 min
 Lab File: VX033454.D
 Acq: 16 Dec 2022 12:16

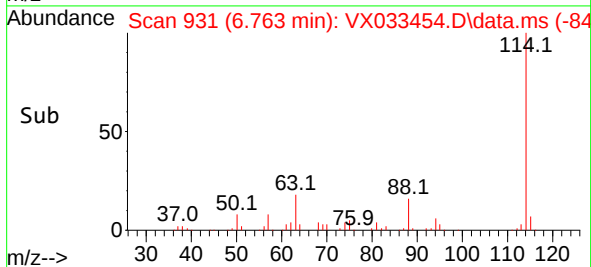
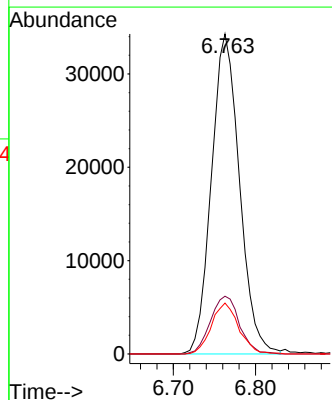
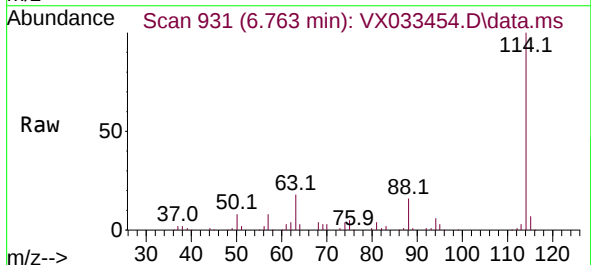
Instrument :
 MSVOA_X
 ClientSampleId :
 221214021-01-TRIP-BLANK

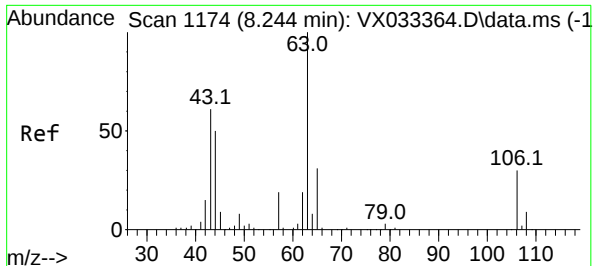
Tgt Ion: 65 Resp: 32011
 Ion Ratio Lower Upper
 65 100
 67 51.7 39.8 59.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX033454.D
 Acq: 16 Dec 2022 12:16

Tgt Ion: 114 Resp: 81258
 Ion Ratio Lower Upper
 114 100
 63 18.6 15.2 22.8
 88 15.5 12.2 18.4





#55

2-Chloroethyl vinyl ether

Concen: 0.283 ug/l

RT: 8.250 min Scan# 1175

Delta R.T. 0.006 min

Lab File: VX033454.D

Acq: 16 Dec 2022 12:16

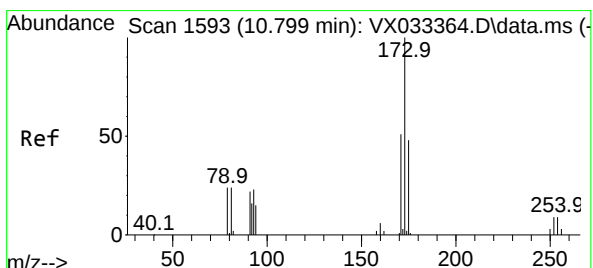
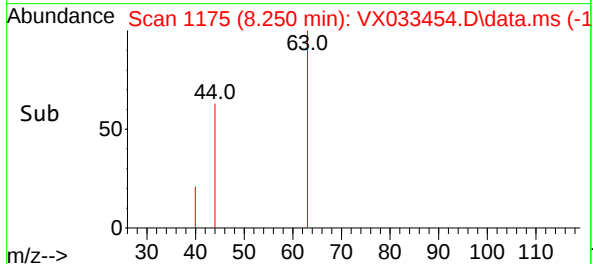
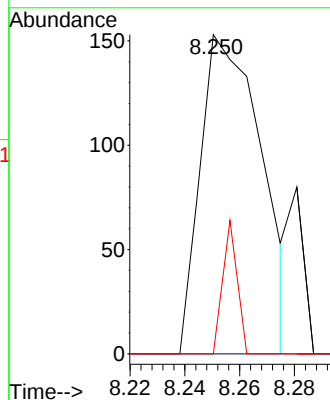
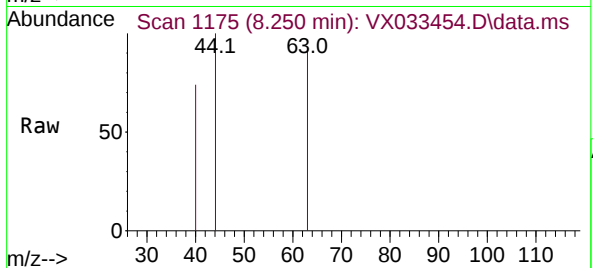
Instrument :

MSVOA_X

ClientSampleId :

221214021-01-TRIP-BLANK

Tgt Ion: 63	Resp:	236
Ion	Ratio	Lower Upper
63	100	
65	0.0	25.8 38.8#
106	0.0	24.2 36.4#



#56

Bromoform

Concen: 0.370 ug/l

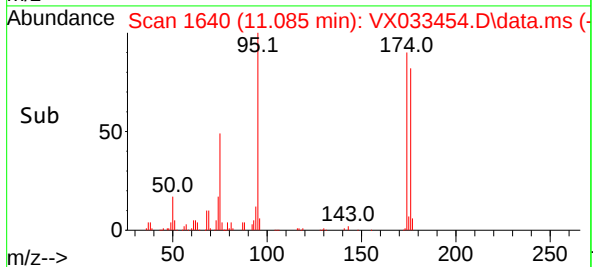
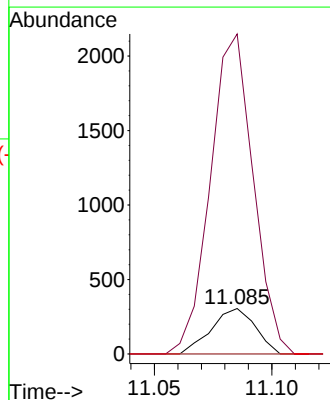
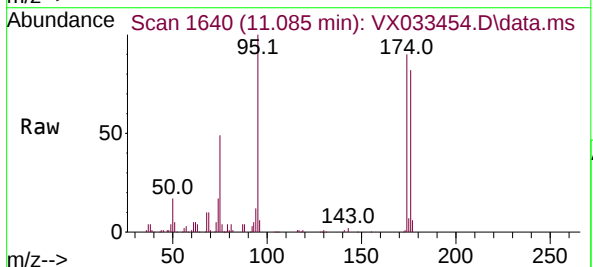
RT: 11.085 min Scan# 1640

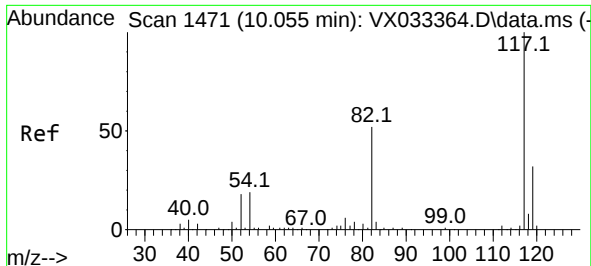
Delta R.T. 0.286 min

Lab File: VX033454.D

Acq: 16 Dec 2022 12:16

Tgt Ion: 173	Resp:	399
Ion	Ratio	Lower Upper
173	100	
175	683.7	39.6 59.4#
254	0.0	7.1 10.7#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX033454.D

Acq: 16 Dec 2022 12:16

Instrument :

MSVOA_X

ClientSampleId :

221214021-01-TRIP-BLANK

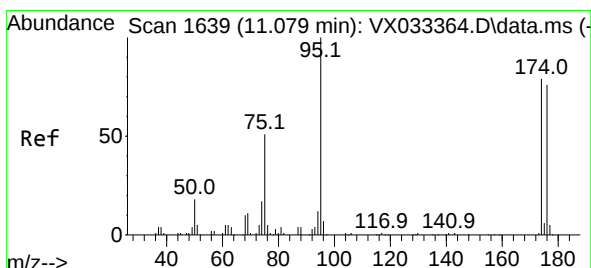
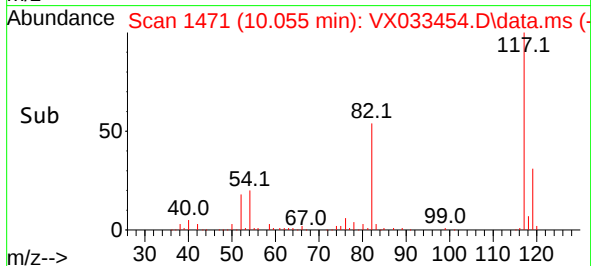
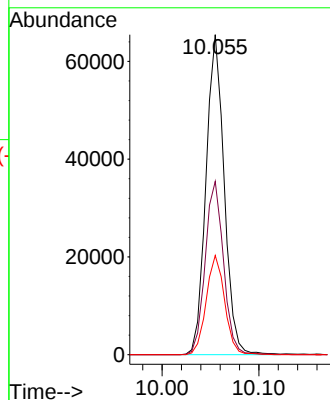
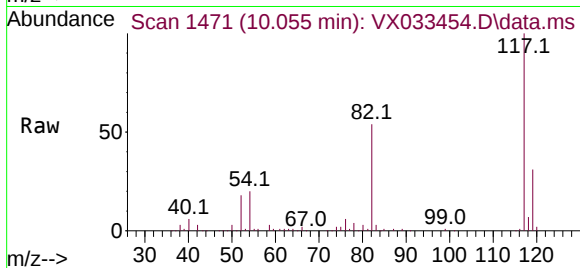
Tgt Ion:117 Resp: 85973

Ion Ratio Lower Upper

117 100

82 54.6 43.7 65.5

119 31.4 25.6 38.4



#60

4-Bromofluorobenzene

Concen: 27.352 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX033454.D

Acq: 16 Dec 2022 12:16

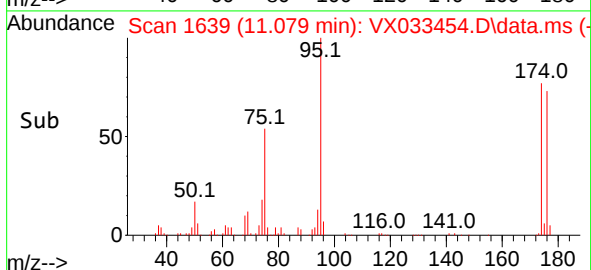
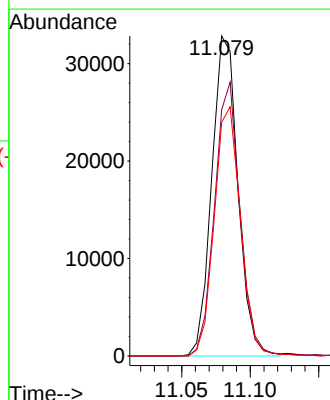
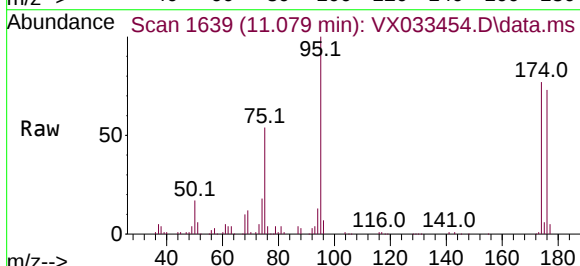
Tgt Ion: 95 Resp: 43553

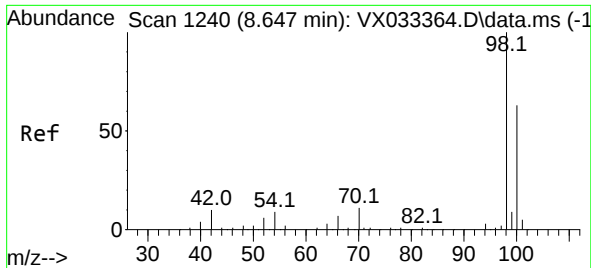
Ion Ratio Lower Upper

95 100

174 83.2 65.9 98.9

176 78.1 63.3 94.9

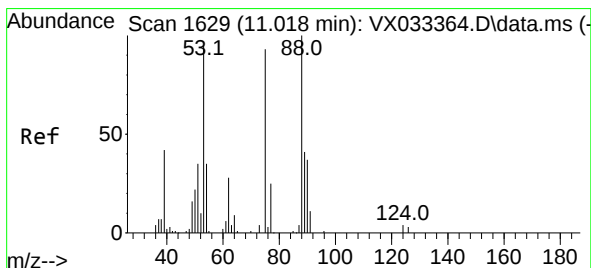
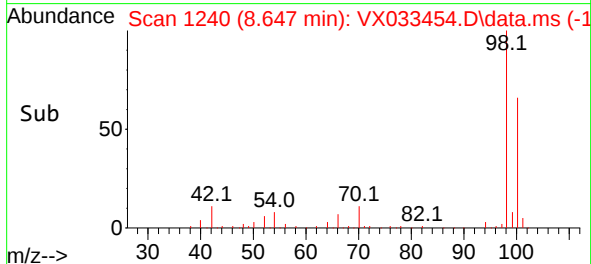
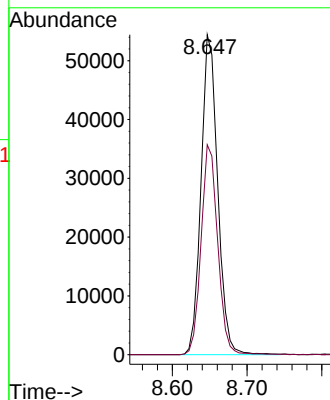
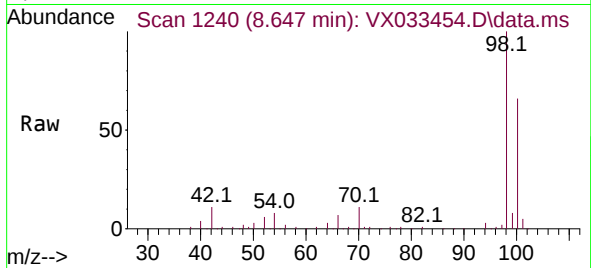




#63
Toluene-d8
Concen: 29.424 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033454.D
Acq: 16 Dec 2022 12:16

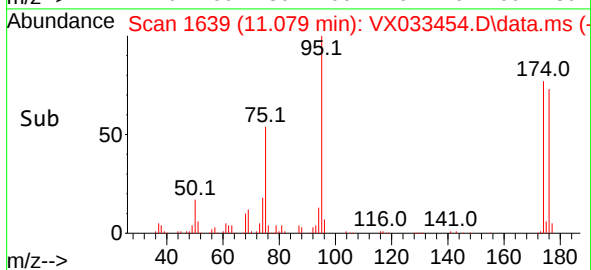
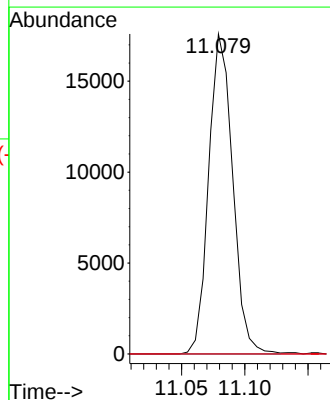
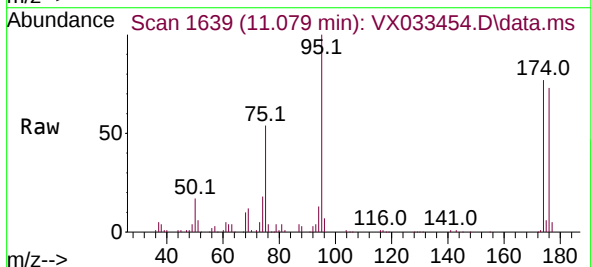
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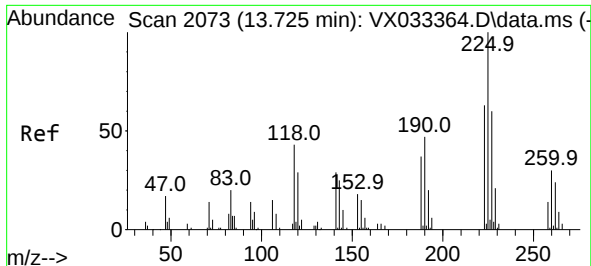
Tgt Ion: 98 Resp: 84149
Ion Ratio Lower Upper
98 100
100 65.2 51.4 77.2



#77
t-1,4-Dichloro-2-butene
Concen: 44.590 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033454.D
Acq: 16 Dec 2022 12:16

Tgt Ion: 75 Resp: 23205
Ion Ratio Lower Upper
75 100
53 0.0 51.4 154.3#
89 0.0 22.2 66.6#

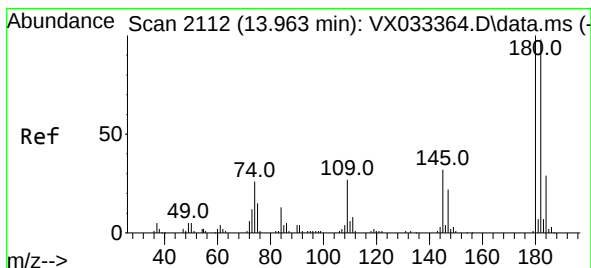
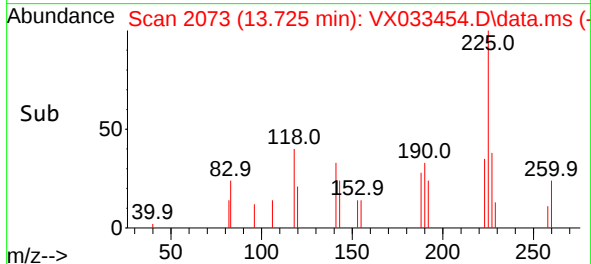
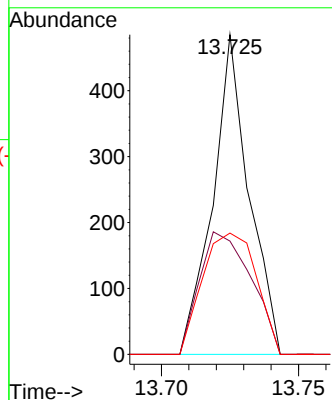
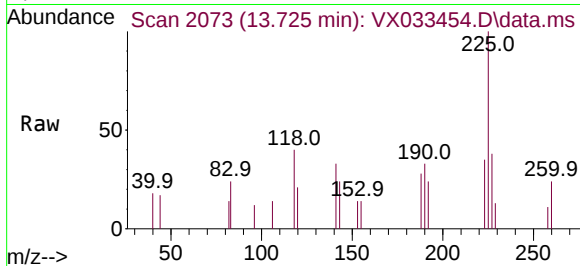




#90
Hexachlorobutadiene
Concen: 0.638 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX033454.D
Acq: 16 Dec 2022 12:16

Instrument :
MSVOA_X
ClientSampleId :
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Tgt Ion:225	Resp:	446
Ion	Ratio	Lower Upper
225	100	
223	54.5	0.0 125.6
227	56.5	0.0 125.4



#92
1,2,3-Trichlorobenzene
Concen: 0.204 ug/l
RT: 13.969 min Scan# 2113
Delta R.T. 0.006 min
Lab File: VX033454.D
Acq: 16 Dec 2022 12:16

Tgt Ion:180	Resp:	337
Ion	Ratio	Lower Upper
180	100	
182	91.4	0.0 194.2
145	18.1	0.0 68.0

