

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121622\
 Data File : VX033451.D
 Acq On : 16 Dec 2022 10:53
 Operator : JC/MD
 Sample : VX1216WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1216WBL01

Quant Time: Dec 17 07:44:12 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)

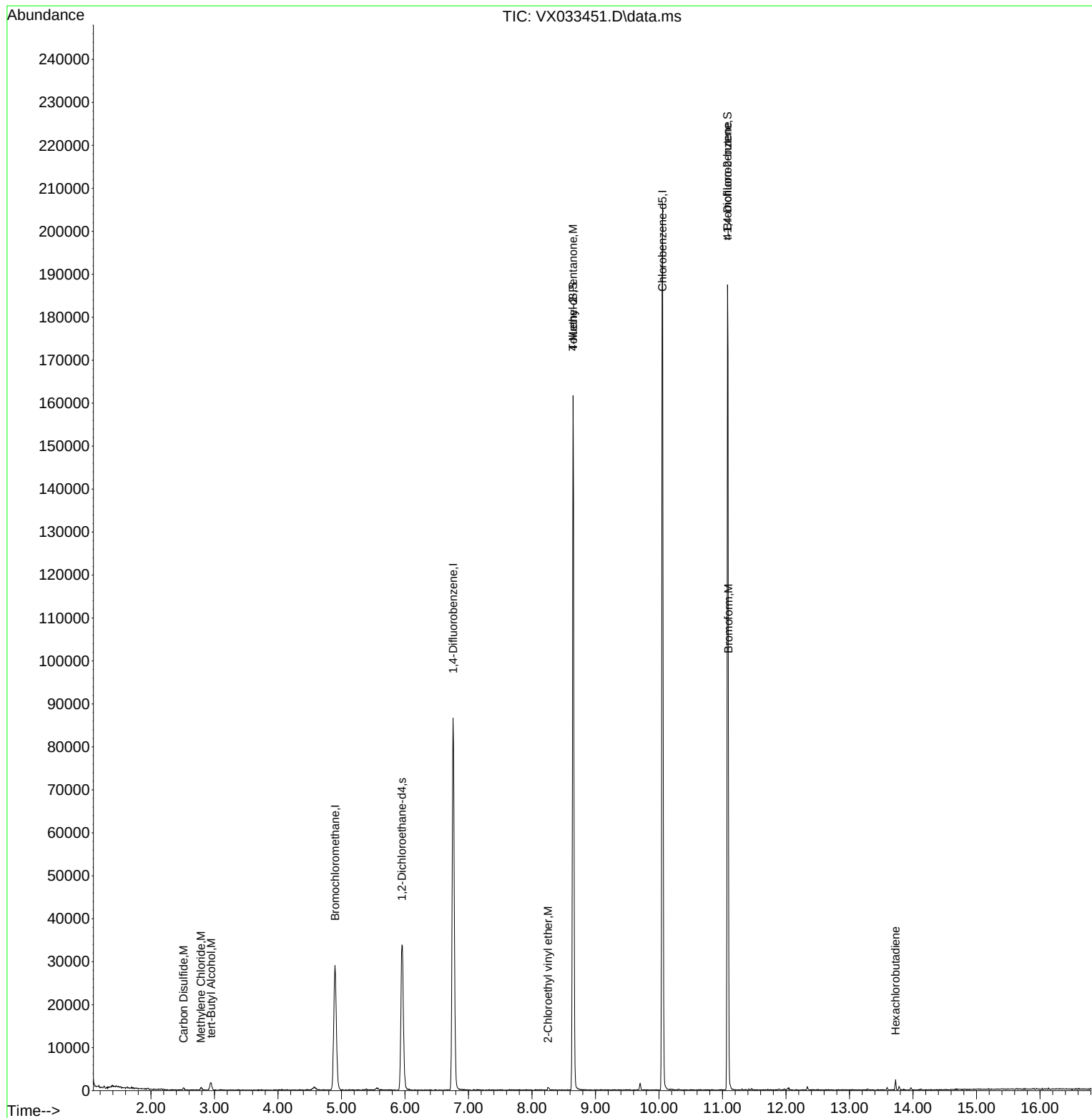
Internal Standards						
1) Bromochloromethane	4.898	128	12863	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	90341	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	96718	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	35806	31.695	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.667%
60) 4-Bromofluorobenzene	11.079	95	49264	27.502	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.667%
63) Toluene-d8	8.647	98	95028	29.536	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.467%
Target Compounds						Qvalue
16) Carbon Disulfide	2.514	76	615	0.206	ug/l #	90
18) Methylene Chloride	2.788	84	332	0.258	ug/l #	83
23) tert-Butyl Alcohol	2.947	59	1096	4.520	ug/l #	1
55) 2-Chloroethyl vinyl ether	8.251	63	390	0.421	ug/l #	82
56) Bromoform	11.092	173	536	0.448	ug/l #	1
58) 4-Methyl-2-Pentanone	8.647	43	445	0.285	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	25693	43.886	ug/l #	9
90) Hexachlorobutadiene	13.725	225	418	0.532	ug/l	94

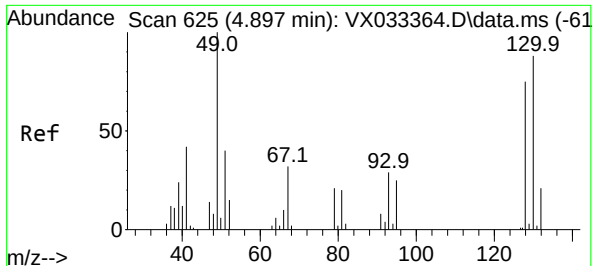
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1216WBL01

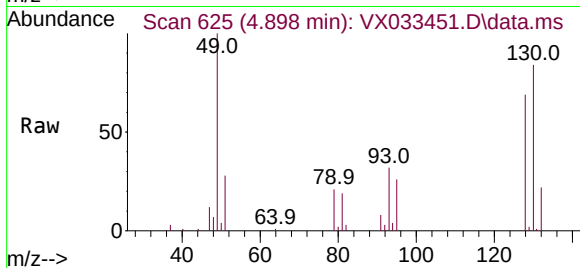
Quant Time: Dec 17 07:44:12 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X121222W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Dec 12 12:37:35 2022
Response via : Initial Calibration



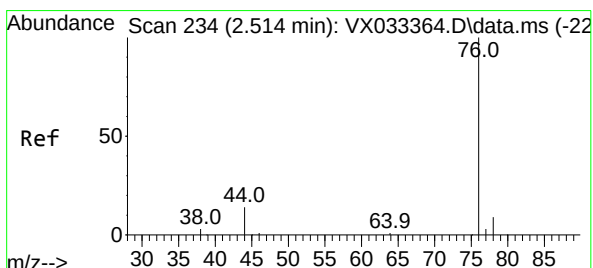
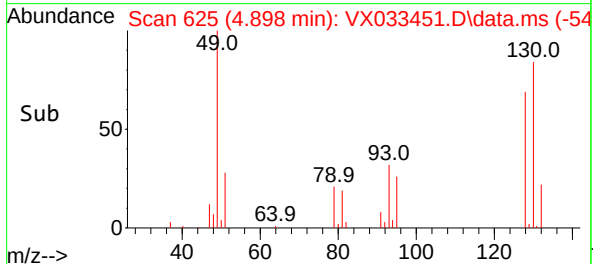
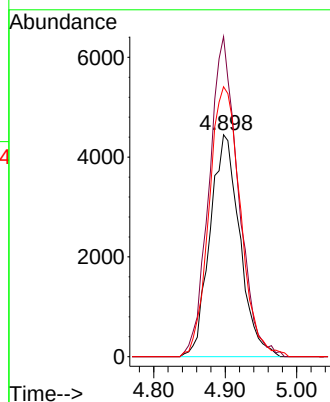


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.898 min Scan# 61
Delta R.T. 0.001 min
Lab File: VX033451.D
Acq: 16 Dec 2022 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX1216WBL01

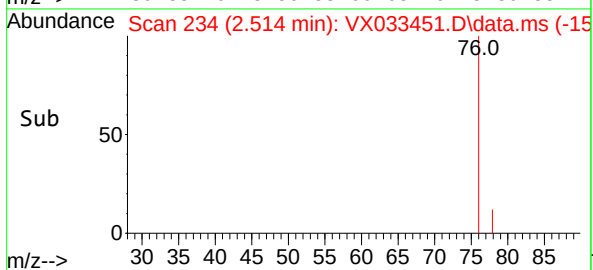
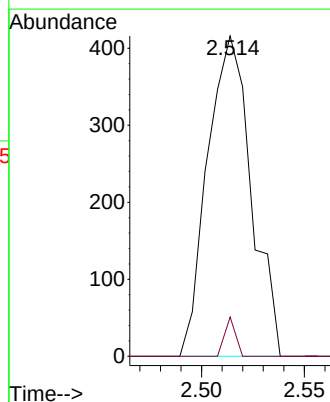
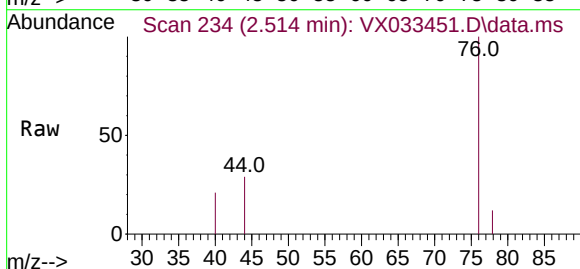


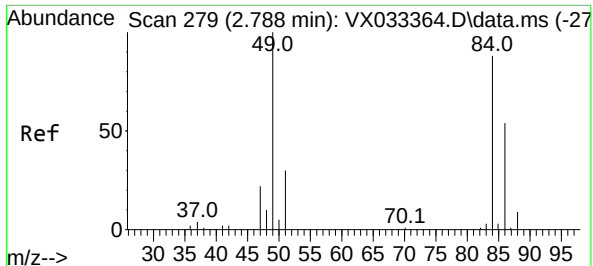
Tgt Ion	Ratio	Lower	Upper
128	100		
49	141.5	0.0	339.5
130	128.1	0.0	318.0



#16
Carbon Disulfide
Concen: 0.206 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX033451.D
Acq: 16 Dec 2022 10:53

Tgt Ion	Ratio	Lower	Upper
76	100		
78	12.3	7.0	10.4#





#18

Methylene Chloride

Concen: 0.258 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX033451.D

Acq: 16 Dec 2022 10:53

Instrument :

MSVOA_X

ClientSampleId :

VX1216WBL01

Tgt Ion: 84 Resp: 332

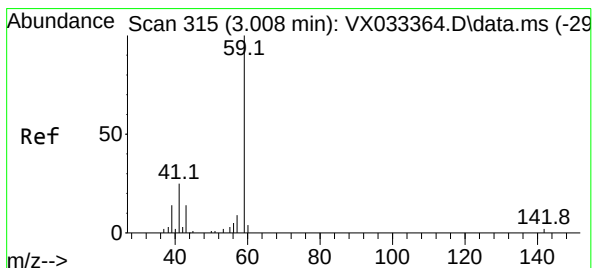
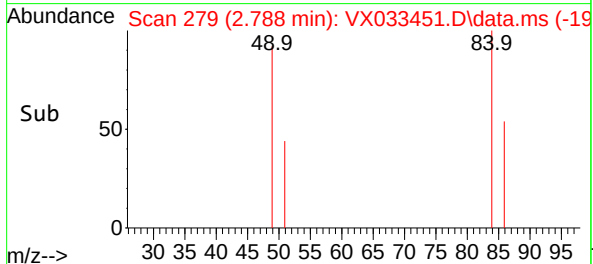
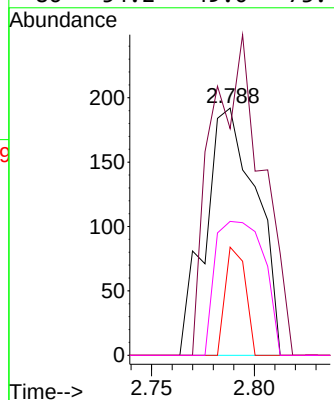
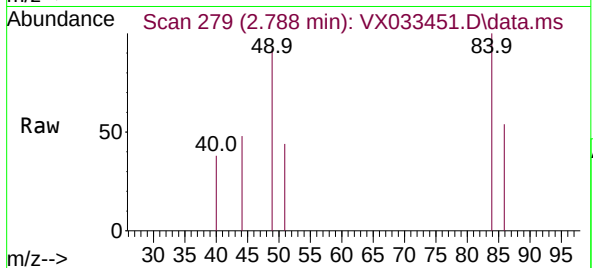
Ion Ratio Lower Upper

84 100

49 91.7 91.2 136.8

51 43.8 27.3 40.9#

86 54.2 49.0 73.4



#23

tert-Butyl Alcohol

Concen: 4.520 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.061 min

Lab File: VX033451.D

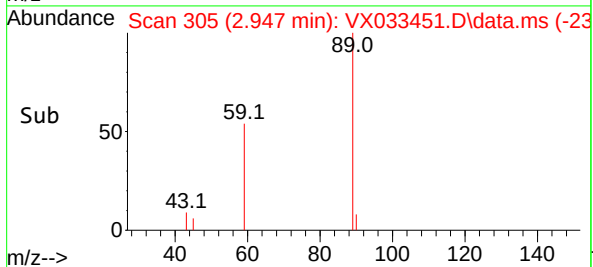
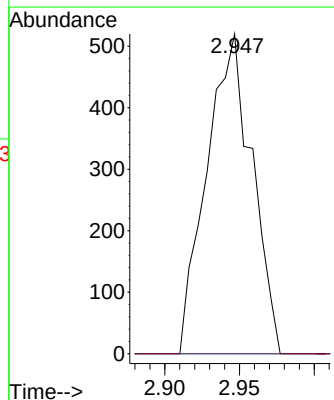
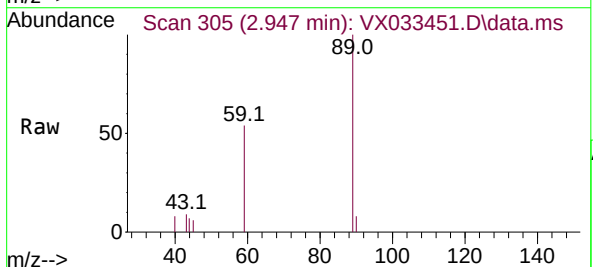
Acq: 16 Dec 2022 10:53

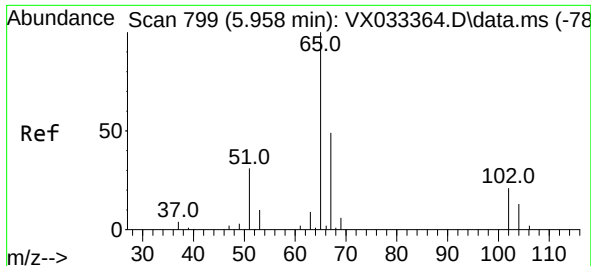
Tgt Ion: 59 Resp: 1096

Ion Ratio Lower Upper

59 100

52 0.0 149.0 223.6#





#27

1,2-Dichloroethane-d4

Concen: 31.695 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX033451.D

Acq: 16 Dec 2022 10:53

Instrument :

MSVOA_X

ClientSampleId :

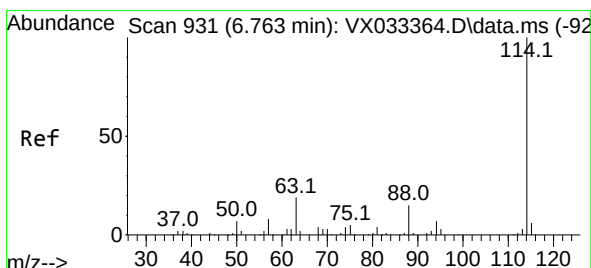
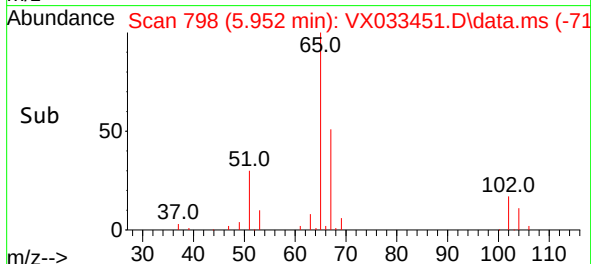
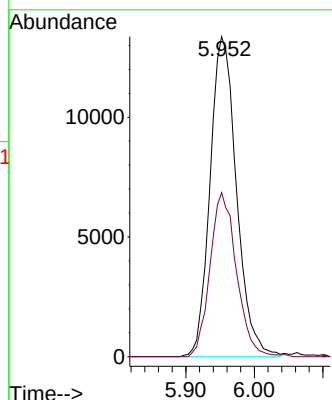
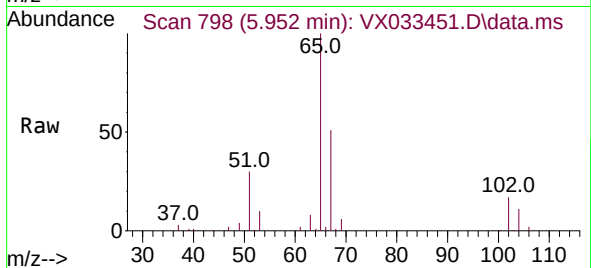
VX1216WBL01

Tgt Ion: 65 Resp: 35806

Ion Ratio Lower Upper

65 100

67 51.0 39.8 59.8



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX033451.D

Acq: 16 Dec 2022 10:53

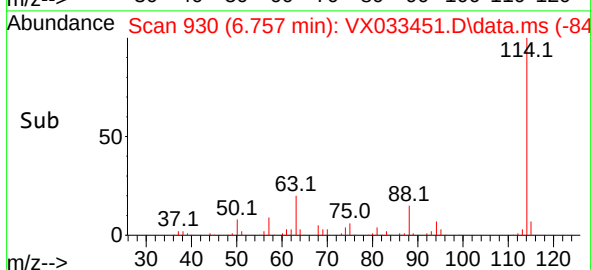
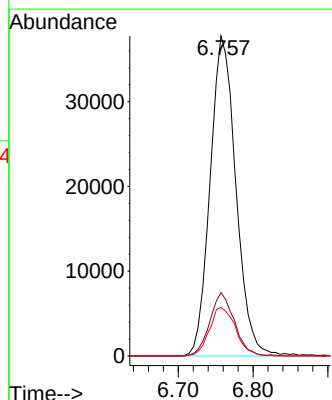
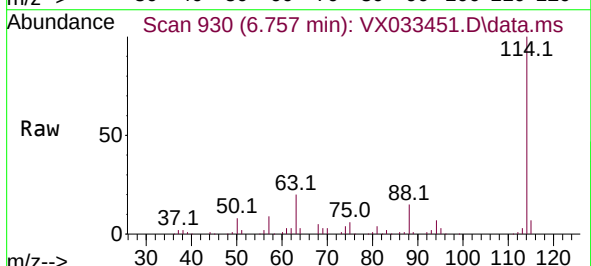
Tgt Ion: 114 Resp: 90341

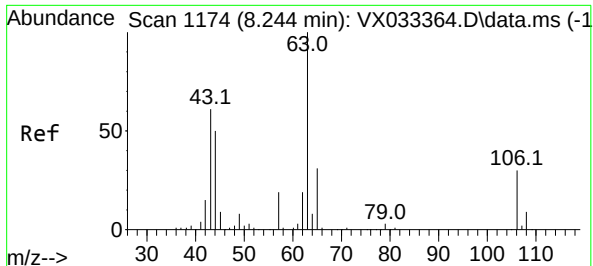
Ion Ratio Lower Upper

114 100

63 18.8 15.2 22.8

88 15.5 12.2 18.4

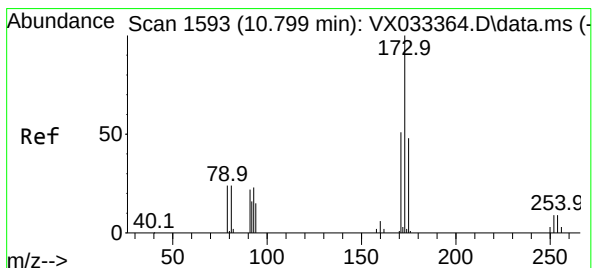
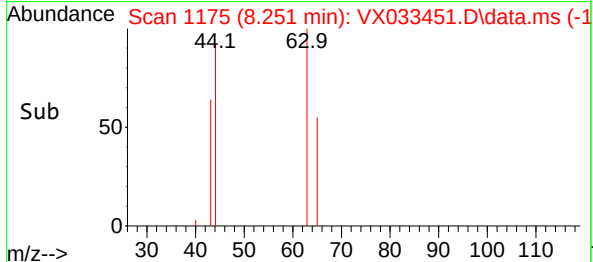
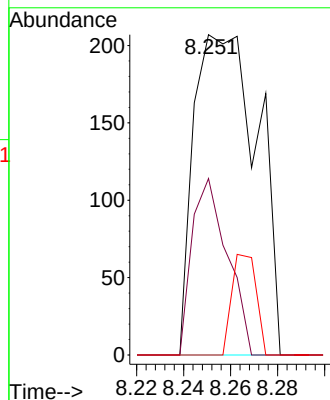
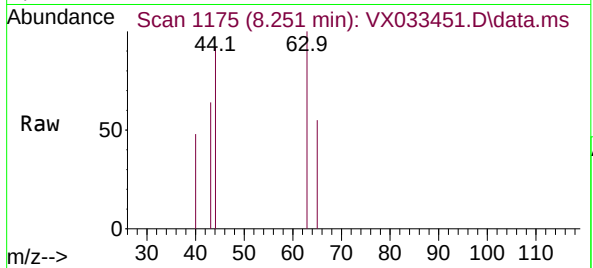




#55
2-Chloroethyl vinyl ether
Concen: 0.421 ug/l
RT: 8.251 min Scan# 1175
Delta R.T. 0.006 min
Lab File: VX033451.D
Acq: 16 Dec 2022 10:53

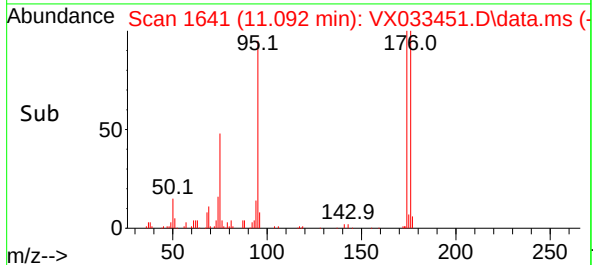
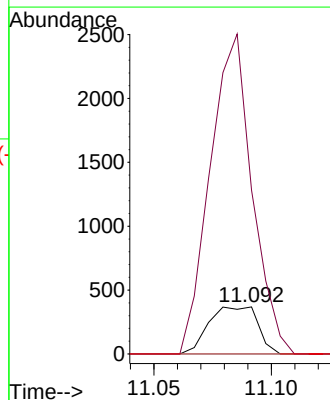
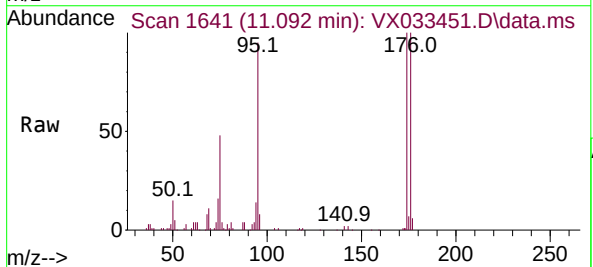
Instrument :
MSVOA_X
ClientSampleId :
VX1216WBL01

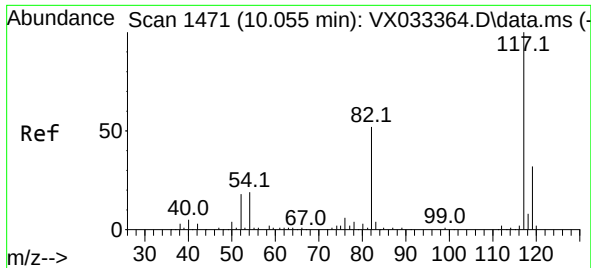
Tgt Ion: 63	Resp:	390
Ion	Ratio	Lower Upper
63	100	
65	30.5	25.8 38.8
106	12.1	24.2 36.4



#56
Bromoform
Concen: 0.448 ug/l
RT: 11.092 min Scan# 1641
Delta R.T. 0.293 min
Lab File: VX033451.D
Acq: 16 Dec 2022 10:53

Tgt Ion: 173	Resp:	536
Ion	Ratio	Lower Upper
173	100	
175	581.9	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: VX033451.D

Acq: 16 Dec 2022 10:53

Instrument :

MSVOA_X

ClientSampleId :

VX1216WBL01

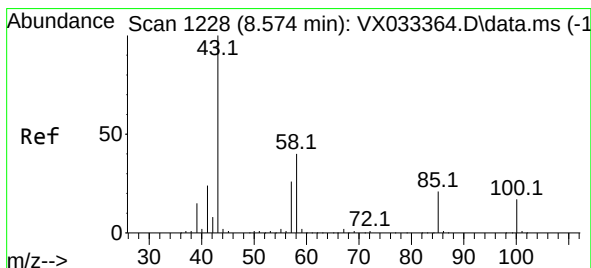
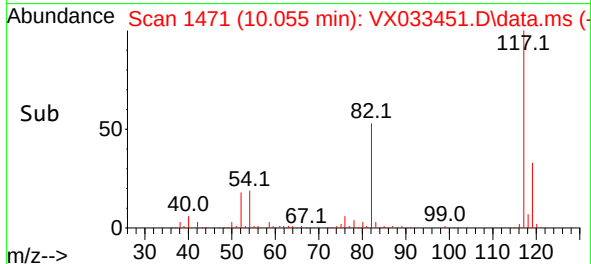
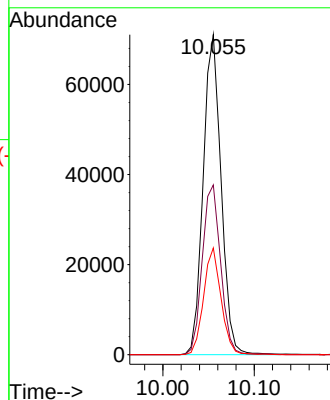
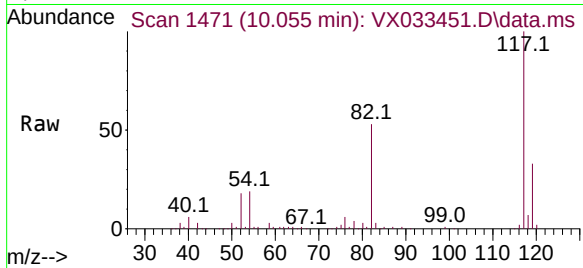
Tgt Ion:117 Resp: 96718

Ion Ratio Lower Upper

117 100

82 54.2 43.7 65.5

119 32.5 25.6 38.4



#58

4-Methyl-2-Pentanone

Concen: 0.285 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX033451.D

Acq: 16 Dec 2022 10:53

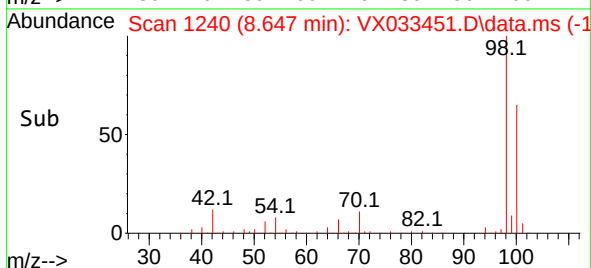
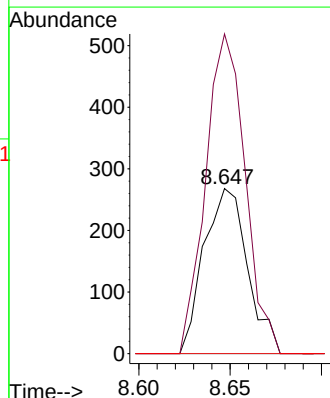
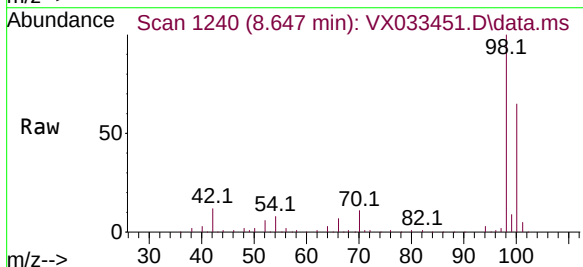
Tgt Ion: 43 Resp: 445

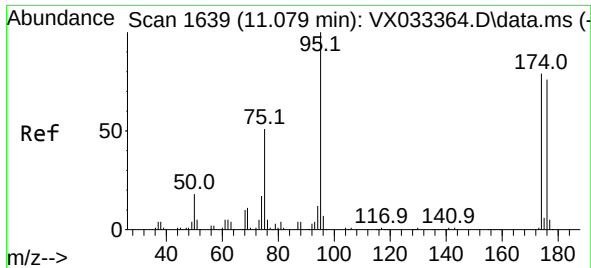
Ion Ratio Lower Upper

43 100

58 175.7 32.3 48.5#

85 0.0 16.6 24.8#

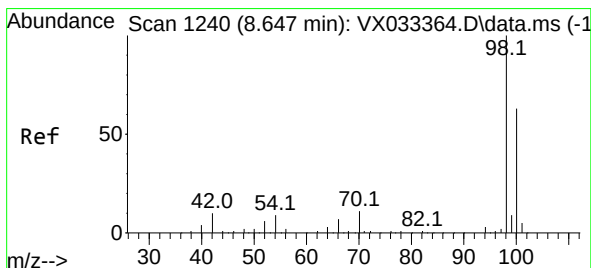
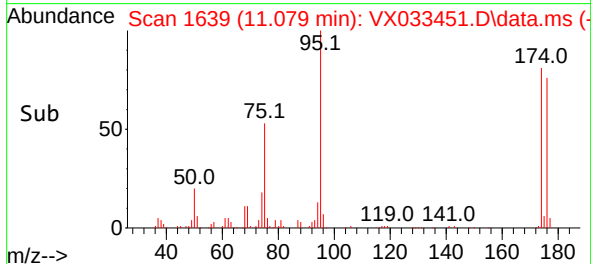
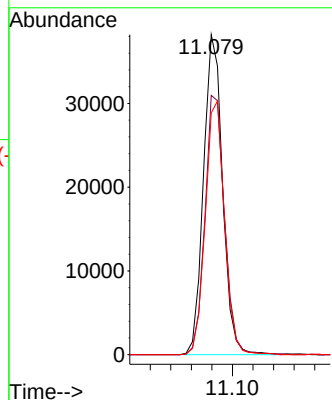
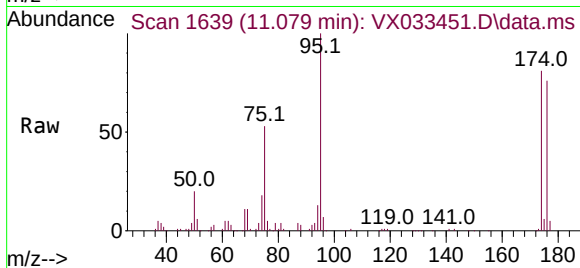




#60
4-Bromofluorobenzene
Concen: 27.502 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033451.D
Acq: 16 Dec 2022 10:53

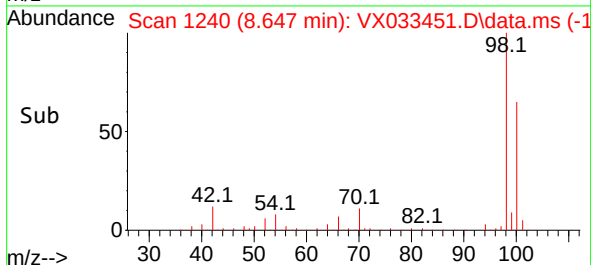
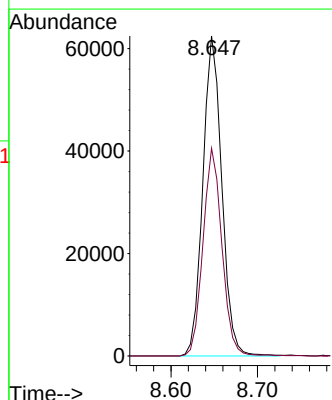
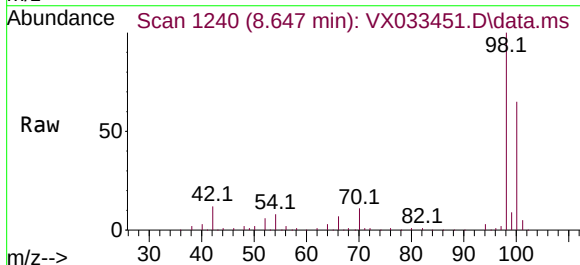
Instrument :
MSVOA_X
ClientSampleId :
VX1216WBL01

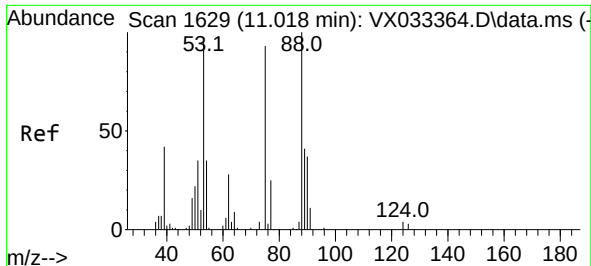
Tgt Ion: 95 Resp: 49264
Ion Ratio Lower Upper
95 100
174 83.2 65.9 98.9
176 80.1 63.3 94.9



#63
Toluene-d8
Concen: 29.536 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX033451.D
Acq: 16 Dec 2022 10:53

Tgt Ion: 98 Resp: 95028
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.2

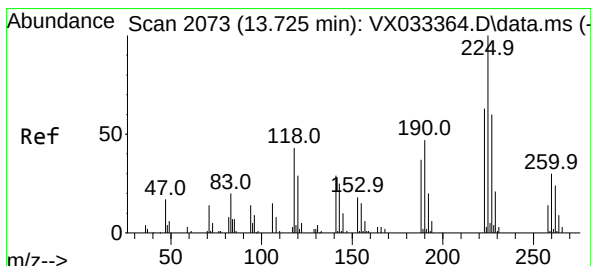
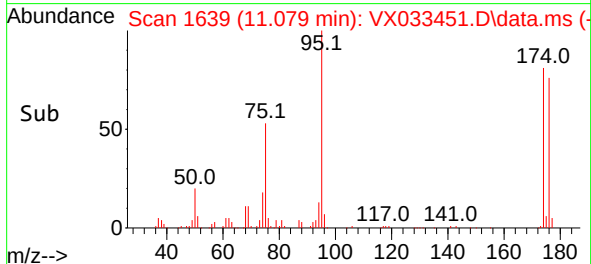
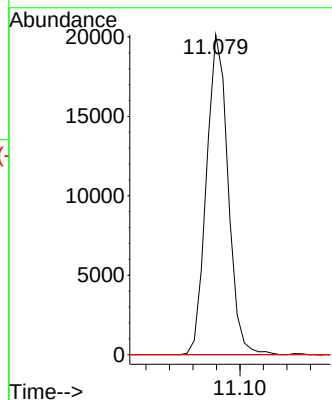
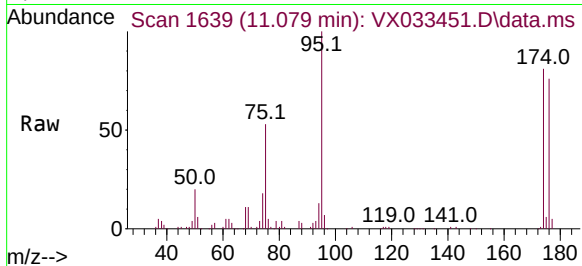




#77
t-1,4-Dichloro-2-butene
Concen: 43.886 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033451.D
Acq: 16 Dec 2022 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX1216WBL01

Tgt Ion: 75 Resp: 25693
Ion Ratio Lower Upper
75 100
53 0.0 51.4 154.3#
89 0.0 22.2 66.6#



#90
Hexachlorobutadiene
Concen: 0.532 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX033451.D
Acq: 16 Dec 2022 10:53

Tgt Ion: 225 Resp: 418
Ion Ratio Lower Upper
225 100
223 69.6 0.0 125.6
227 65.3 0.0 125.4

