

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111122\
 Data File : VX032770.D
 Acq On : 11 Nov 2022 13:28
 Operator : JC/MD
 Sample : N5534-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 14 05:12:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X111022W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 11 05:24:06 2022
 Response via : Initial Calibration

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

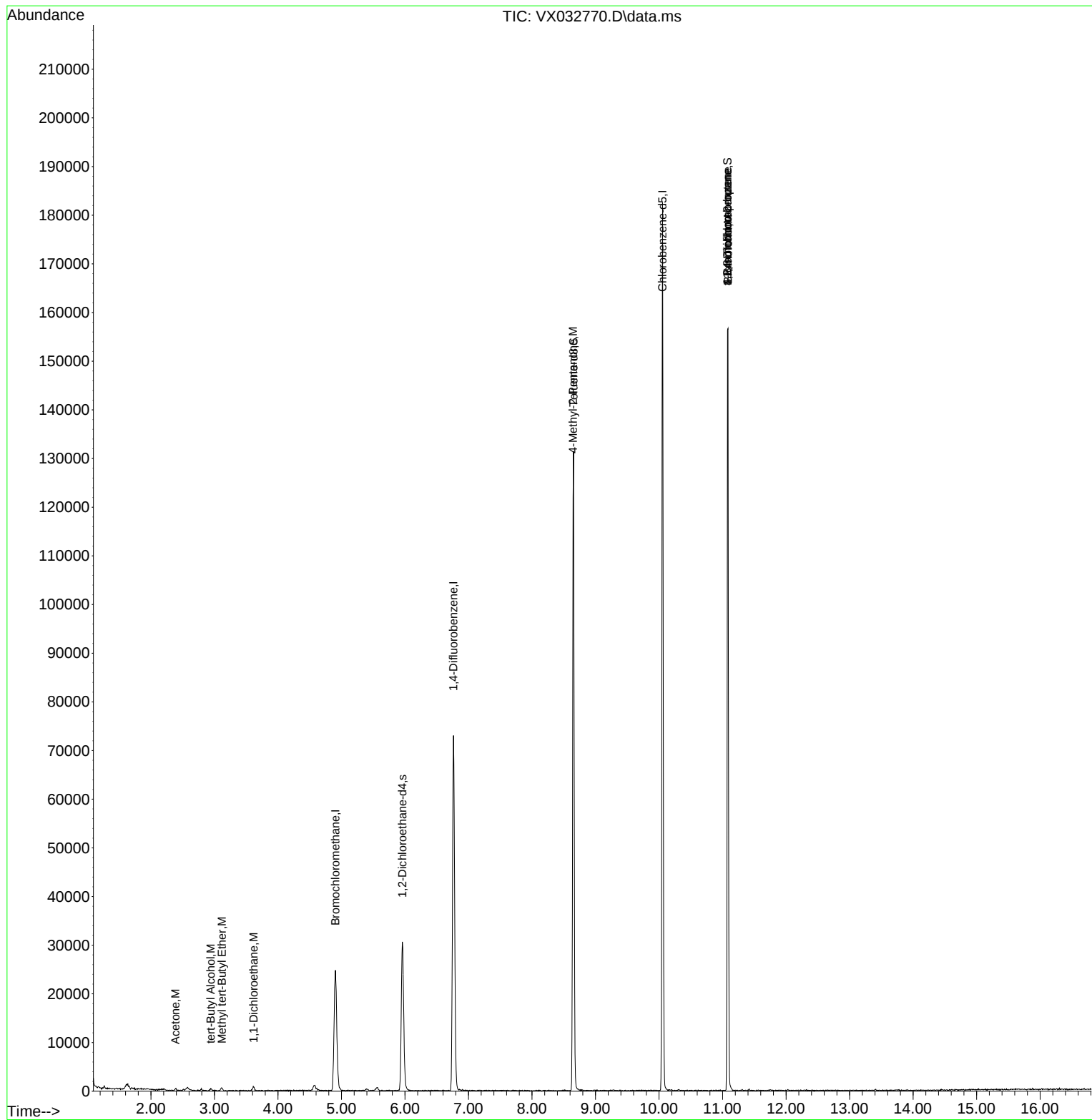
Internal Standards						
1) Bromochloromethane	4.903	128	10663	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	73761	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	77719	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	31087	30.220	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.733%
60) 4-Bromofluorobenzene	11.079	95	41047	27.610	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.033%
63) Toluene-d8	8.653	98	79066	30.145	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.500%
Target Compounds						
					Qvalue	
15) Acetone	2.386	58	137	0.956	ug/l #	40
21) 1,1-Dichloroethane	3.617	63	1132	0.546	ug/l #	78
23) tert-Butyl Alcohol	2.940	59	234	1.308	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	777	0.209	ug/l #	87
56) Bromoform	11.085	173	356	0.373	ug/l #	1
58) 4-Methyl-2-Pentanone	8.647	43	386	0.254	ug/l #	1
72) 1,2,3-Trichloropropane	11.079	75	22204	14.583	ug/l	38
77) t-1,4-Dichloro-2-butene	11.079	75	22204	47.789	ug/l #	8

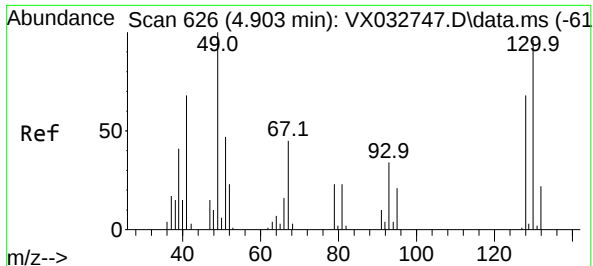
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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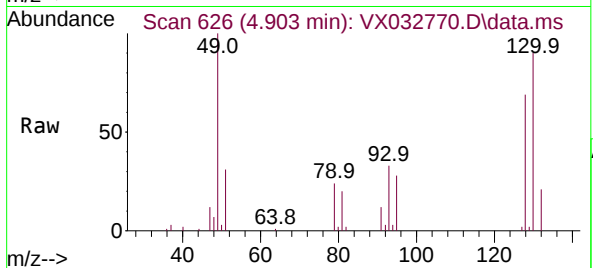
Quant Time: Nov 14 05:12:07 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X111022W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 11 05:24:06 2022
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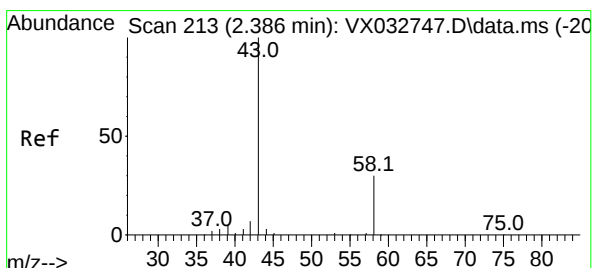
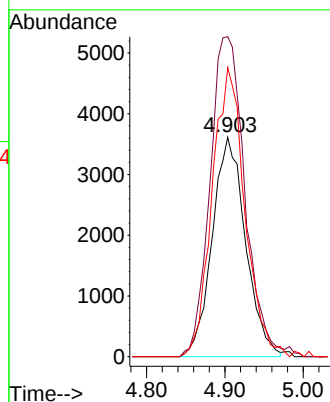
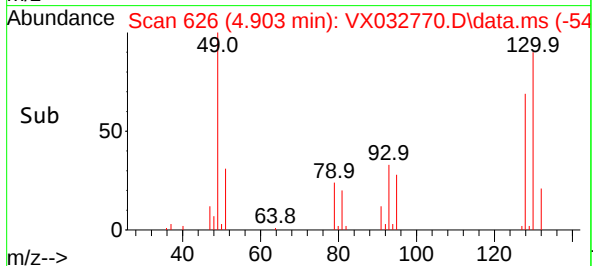


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX032770.D
Acq: 11 Nov 2022 13:28

Instrument :
MSVOA_X
ClientSampleId :

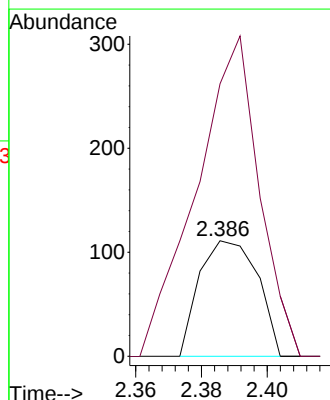
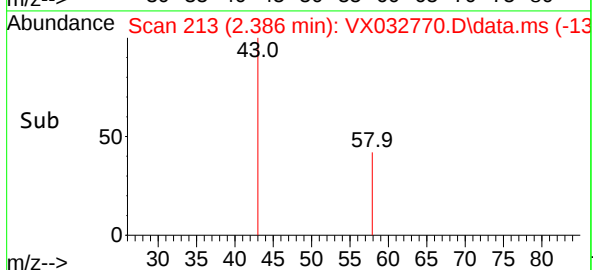
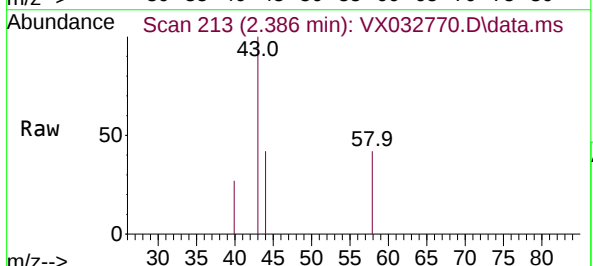


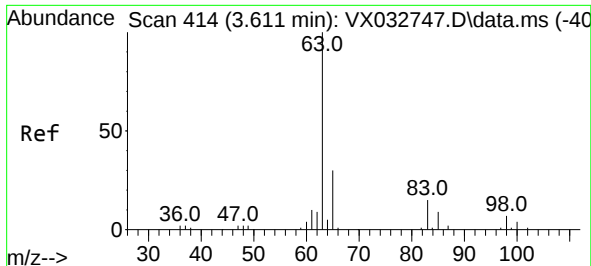
Tgt Ion:128 Resp: 10663
Ion Ratio Lower Upper
128 100
49 152.6 0.0 293.0
130 128.6 0.0 321.5



#15
Acetone
Concen: 0.956 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX032770.D
Acq: 11 Nov 2022 13:28

Tgt Ion: 58 Resp: 137
Ion Ratio Lower Upper
58 100
43 183.8 242.6 364.0#





#21

1,1-Dichloroethane

Concen: 0.546 ug/l

RT: 3.617 min Scan# 41

Delta R.T. 0.006 min

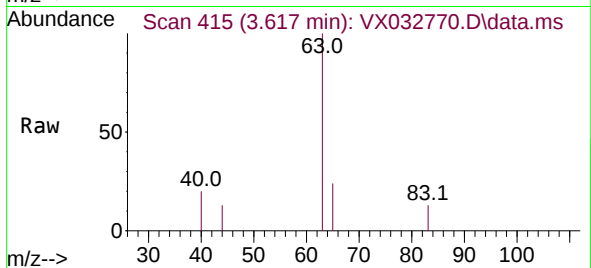
Lab File: VX032770.D

Acq: 11 Nov 2022 13:28

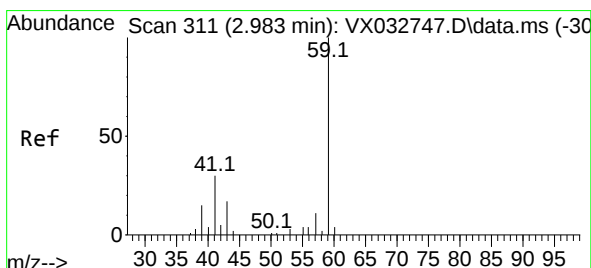
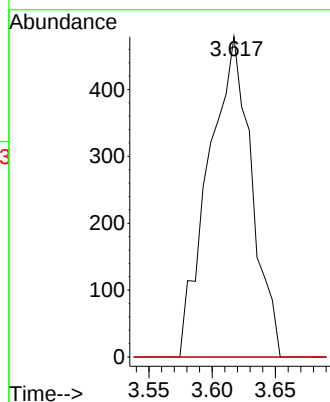
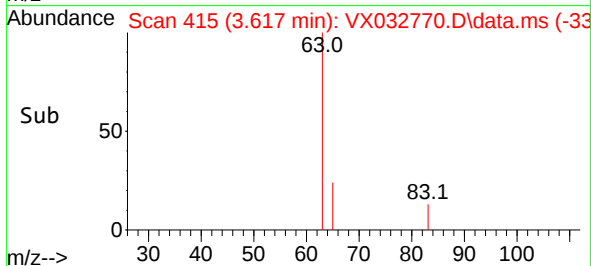
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	63	Resp:	1132
Ion	Ratio	Lower	Upper
63	100		
98	0.0	4.5	13.7#
100	0.0	2.8	8.3#



#23

tert-Butyl Alcohol

Concen: 1.308 ug/l

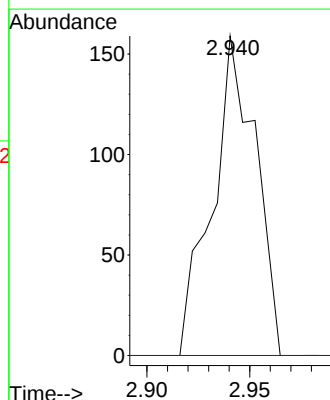
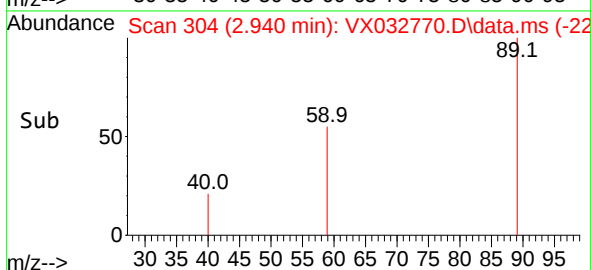
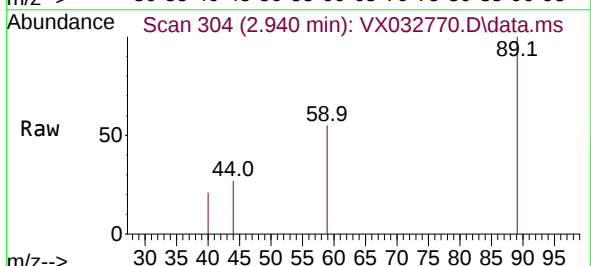
RT: 2.940 min Scan# 304

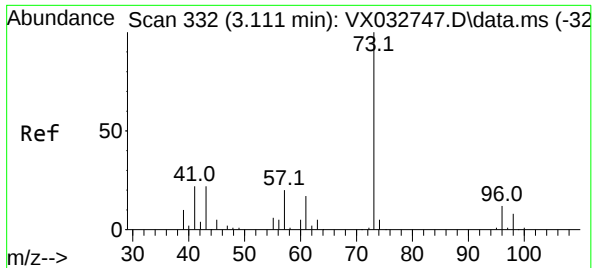
Delta R.T. -0.043 min

Lab File: VX032770.D

Acq: 11 Nov 2022 13:28

Tgt Ion:	59	Resp:	234
Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

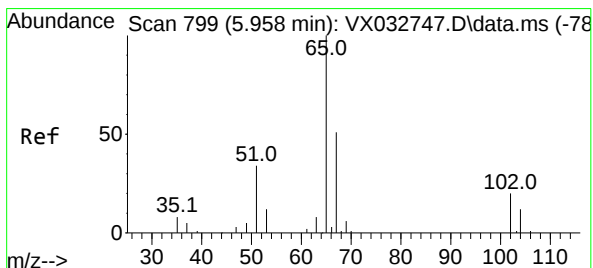
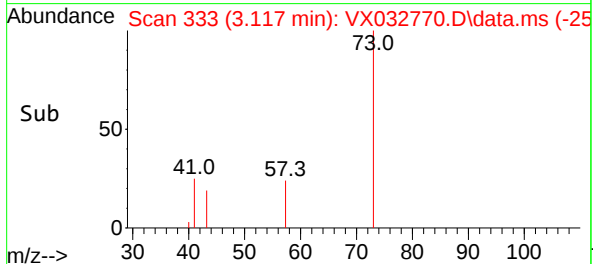
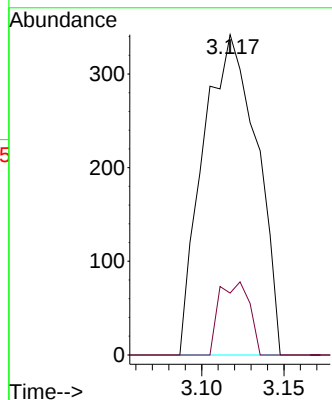
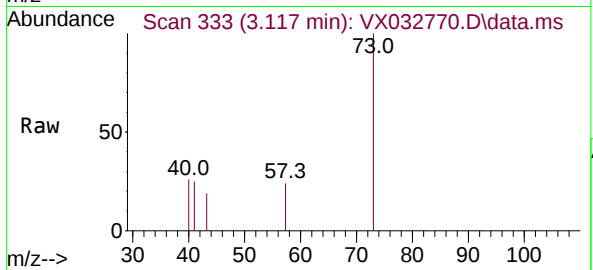




#24
Methyl tert-Butyl Ether
Concen: 0.209 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX032770.D
Acq: 11 Nov 2022 13:28

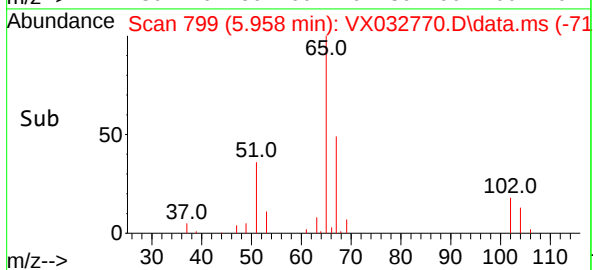
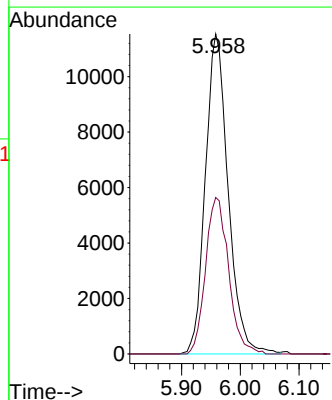
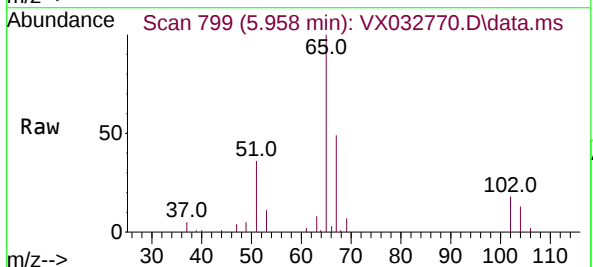
Instrument :
MSVOA_X
ClientSampleId :

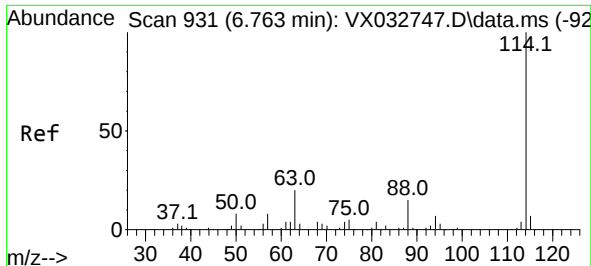
Tgt Ion: 73 Resp: 777
Ion Ratio Lower Upper
73 100
43 12.7 14.8 22.2#



#27
1,2-Dichloroethane-d4
Concen: 30.220 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX032770.D
Acq: 11 Nov 2022 13:28

Tgt Ion: 65 Resp: 31087
Ion Ratio Lower Upper
65 100
67 49.5 41.8 62.6





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX032770.D

Acq: 11 Nov 2022 13:28

Instrument :

MSVOA_X

ClientSampleId :

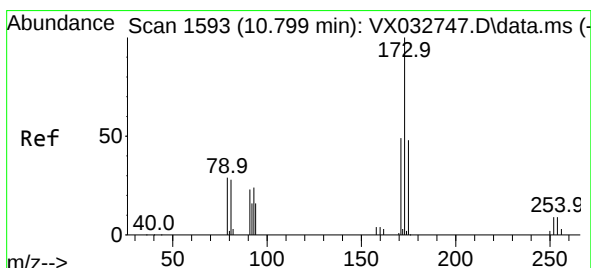
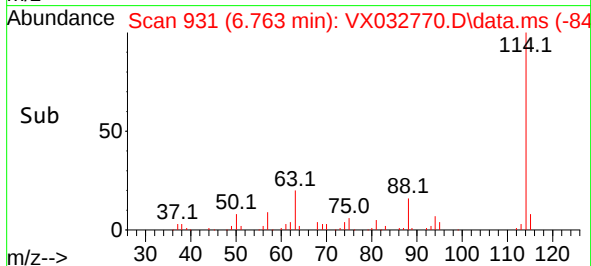
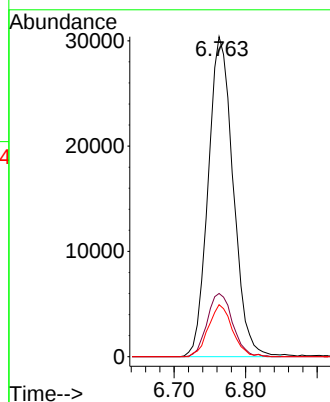
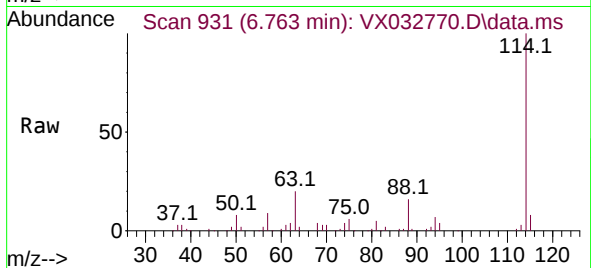
Tgt Ion:114 Resp: 73761

Ion Ratio Lower Upper

114 100

63 20.2 13.6 20.4

88 15.5 11.8 17.6



#56

Bromoform

Concen: 0.373 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.287 min

Lab File: VX032770.D

Acq: 11 Nov 2022 13:28

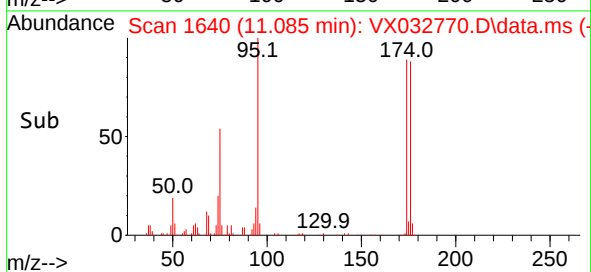
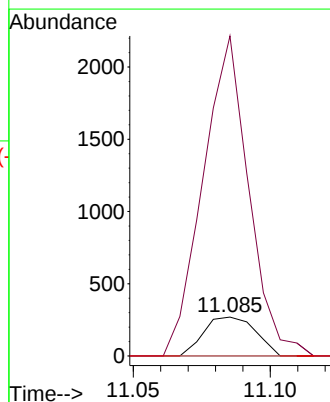
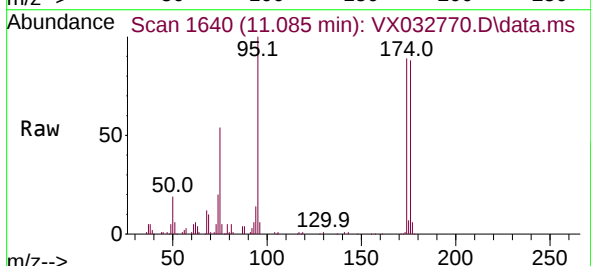
Tgt Ion:173 Resp: 356

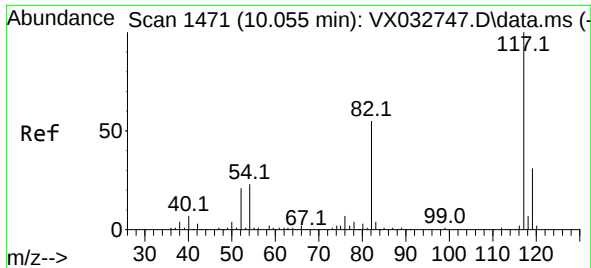
Ion Ratio Lower Upper

173 100

175 724.4 38.6 58.0#

254 0.0 6.8 10.2#

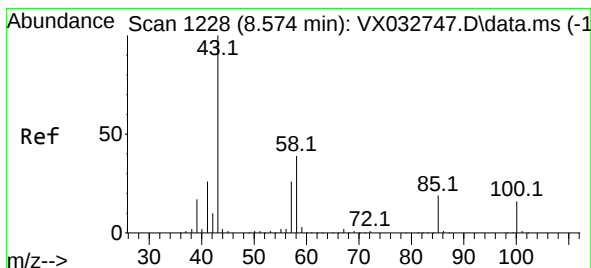
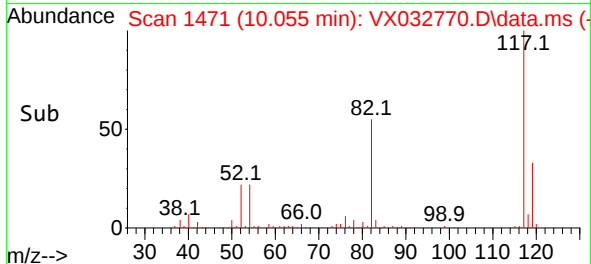
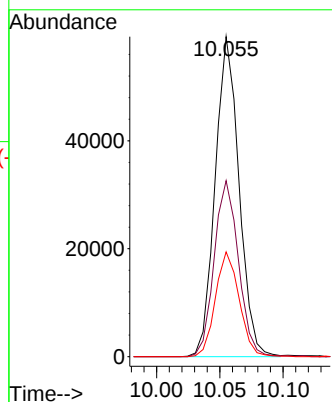
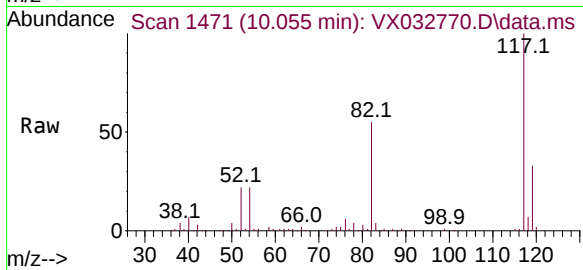




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032770.D
Acq: 11 Nov 2022 13:28

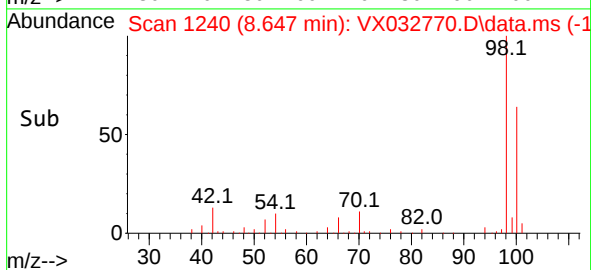
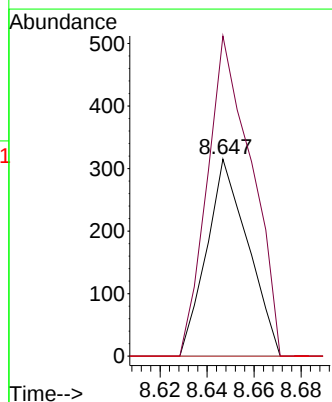
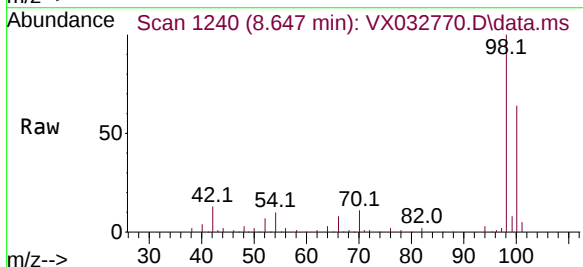
Instrument :
MSVOA_X
ClientSampleId :

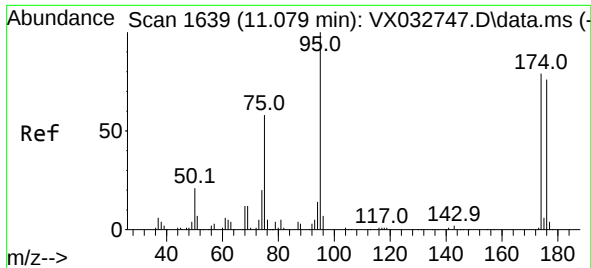
Tgt Ion:117	Resp:	77719
Ion	Ratio	Lower Upper
117	100	
82	56.0	40.0 60.0
119	32.7	26.0 39.0



#58
4-Methyl-2-Pentanone
Concen: 0.254 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX032770.D
Acq: 11 Nov 2022 13:28

Tgt Ion: 43	Resp:	386
Ion	Ratio	Lower Upper
43	100	
58	173.3	34.9 52.3#
85	0.0	19.4 29.2#

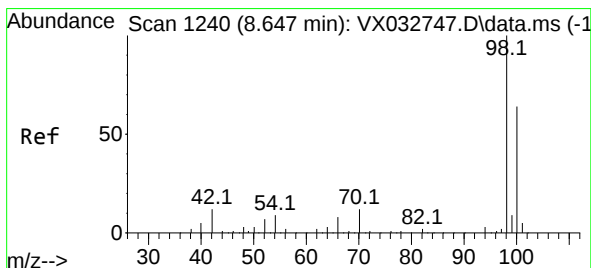
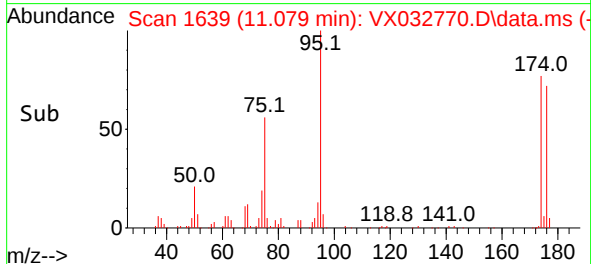
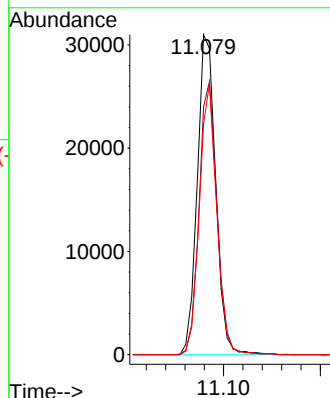
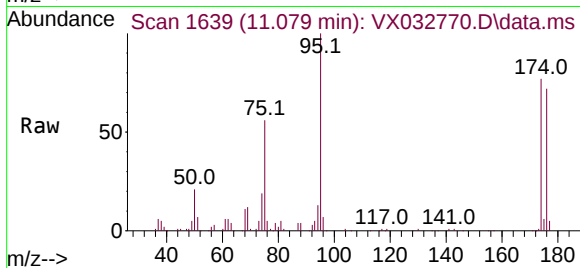




#60
4-Bromofluorobenzene
Concen: 27.610 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032770.D
Acq: 11 Nov 2022 13:28

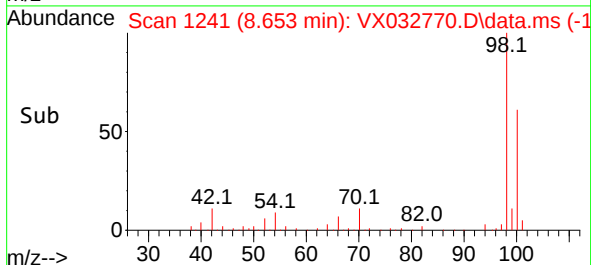
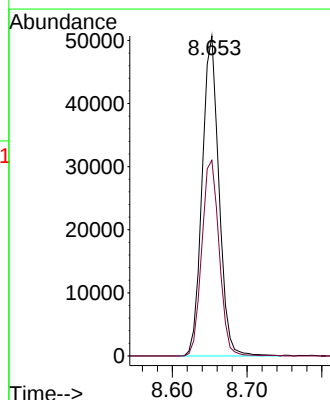
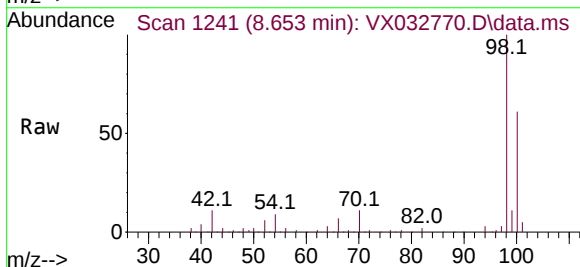
Instrument :
MSVOA_X
ClientSampleId :

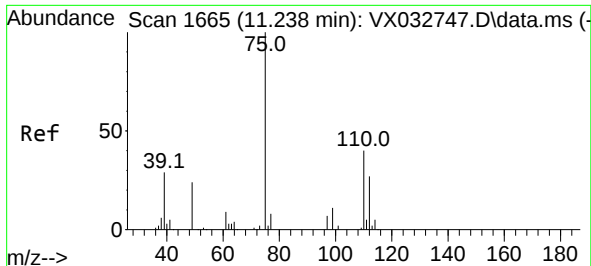
Tgt Ion: 95 Resp: 41047
Ion Ratio Lower Upper
95 100
174 83.1 68.2 102.2
176 79.9 68.1 102.1



#63
Toluene-d8
Concen: 30.145 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX032770.D
Acq: 11 Nov 2022 13:28

Tgt Ion: 98 Resp: 79066
Ion Ratio Lower Upper
98 100
100 63.0 53.8 80.8

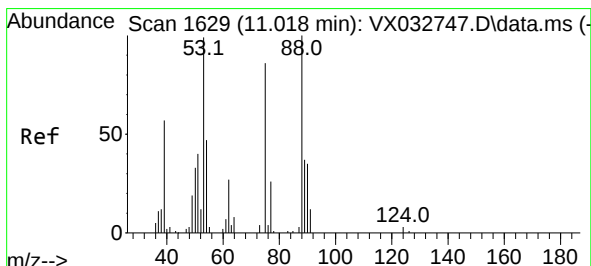
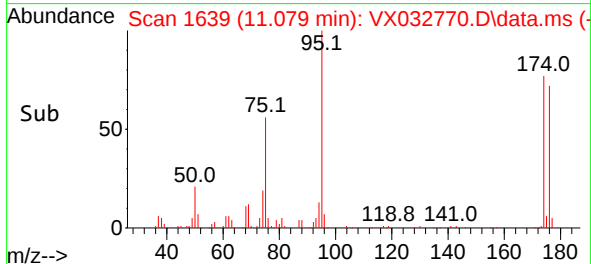
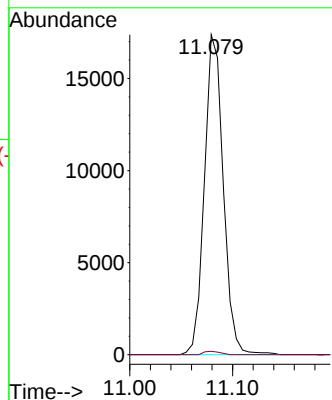
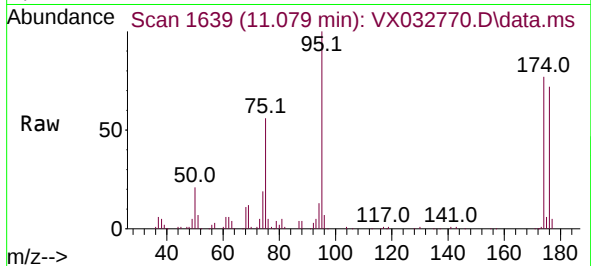




#72
1,2,3-Trichloropropane
Concen: 14.583 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX032770.D
Acq: 11 Nov 2022 13:28

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 22204
Ion Ratio Lower Upper
75 100
77 0.9 0.0 76.6



#77
t-1,4-Dichloro-2-butene
Concen: 47.789 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032770.D
Acq: 11 Nov 2022 13:28

Tgt Ion: 75 Resp: 22204
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.4#
89 0.0 22.9 68.8#

