

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111122\
 Data File : VX032772.D
 Acq On : 11 Nov 2022 14:15
 Operator : JC/MD
 Sample : N5562-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 14 05:12:39 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)

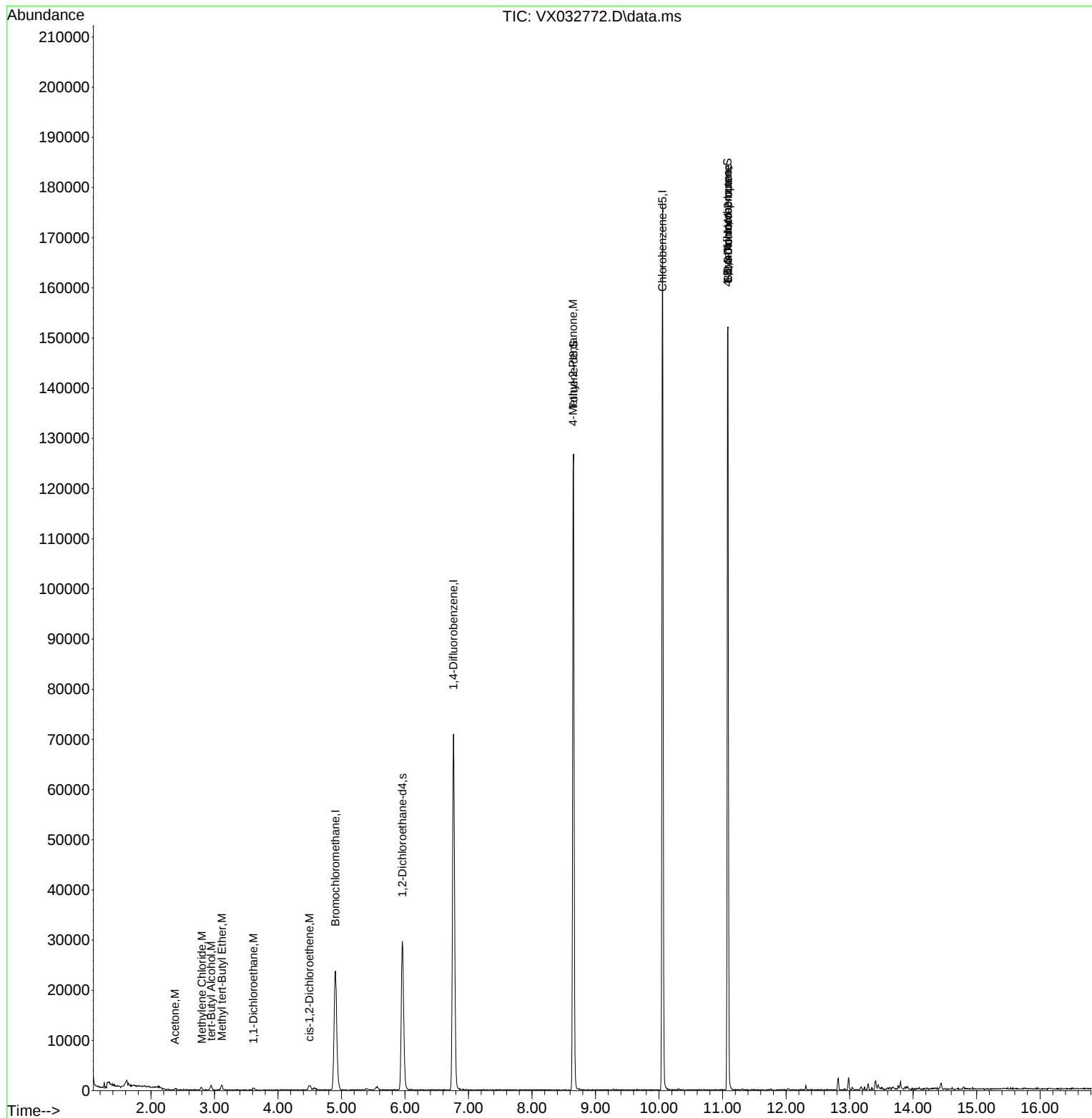
Internal Standards						
1) Bromochloromethane	4.903	128	10263	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	71651	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	75335	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	29819	30.117	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.400%
60) 4-Bromofluorobenzene	11.079	95	39958	27.728	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.433%
63) Toluene-d8	8.653	98	76102	29.933	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.767%
Target Compounds						
					Qvalue	
15) Acetone	2.379	58	53	0.384	ug/l #	10
18) Methylene Chloride	2.800	84	358	0.311	ug/l #	50
21) 1,1-Dichloroethane	3.611	63	610	0.305	ug/l #	78
22) cis-1,2-Dichloroethene	4.495	96	439	0.342	ug/l #	85
23) tert-Butyl Alcohol	2.946	59	572	3.323	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	1165	0.326	ug/l #	83
56) Bromoform	11.085	173	433	0.467	ug/l #	1
58) 4-Methyl-2-Pentanone	8.647	43	361	0.245	ug/l #	1
72) 1,2,3-Trichloropropane	11.085	75	21673	14.685	ug/l	38
77) t-1,4-Dichloro-2-butene	11.085	75	21673	48.123	ug/l #	8

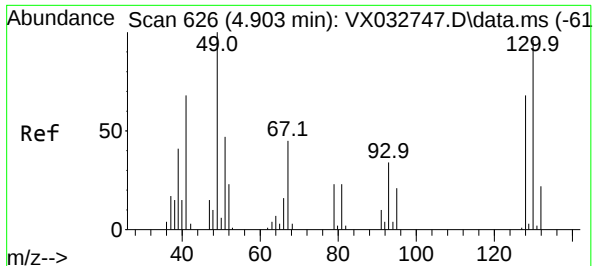
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111122\
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ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

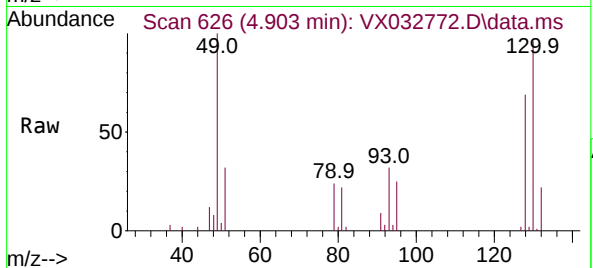
Quant Time: Nov 14 05:12:39 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X111022W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 11 05:24:06 2022
Response via : Initial Calibration



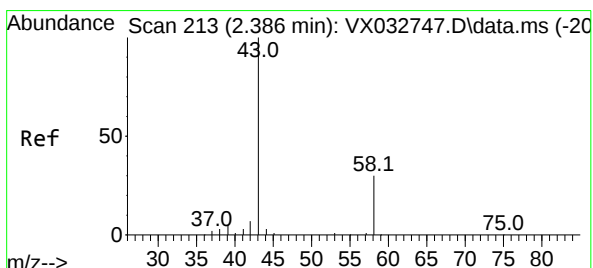
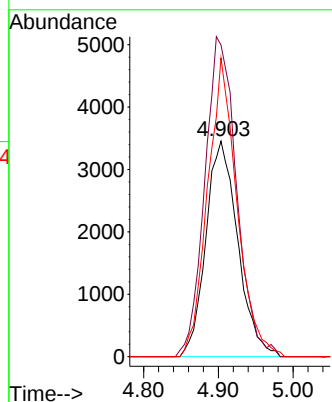
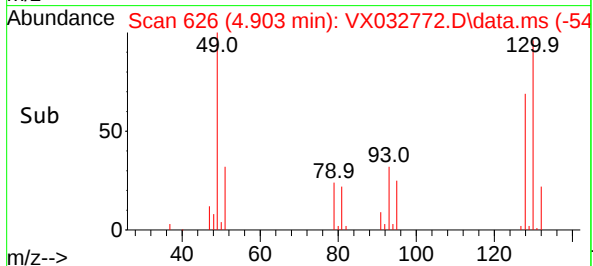


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX032772.D
Acq: 11 Nov 2022 14:15

Instrument :
MSVOA_X
ClientSampleId :

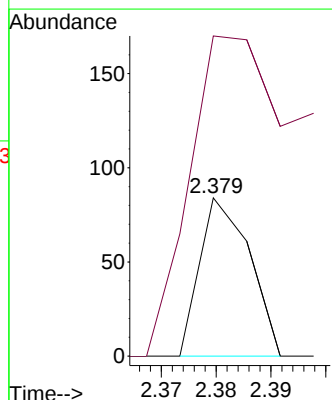
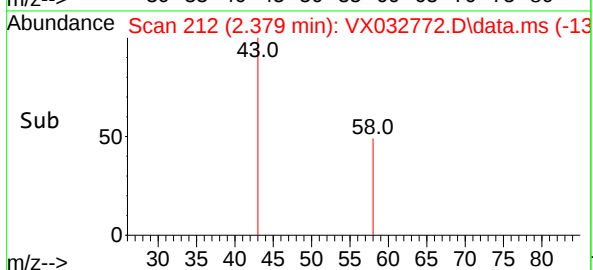
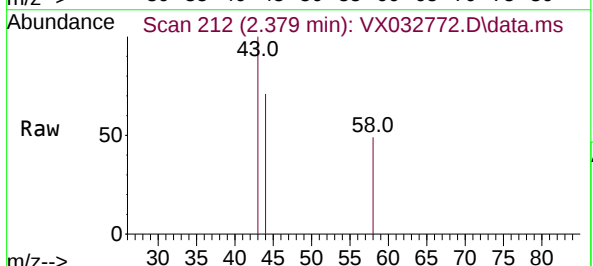


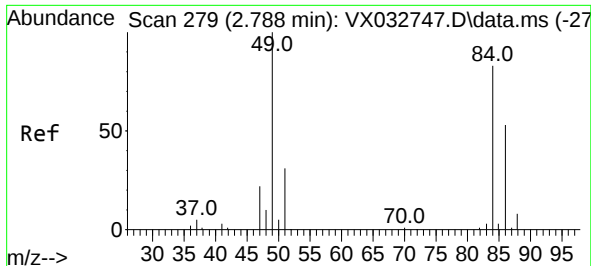
Tgt Ion	Ratio	Lower	Upper
128	100		
49	146.4	0.0	293.0
130	127.5	0.0	321.5



#15
Acetone
Concen: 0.384 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX032772.D
Acq: 11 Nov 2022 14:15

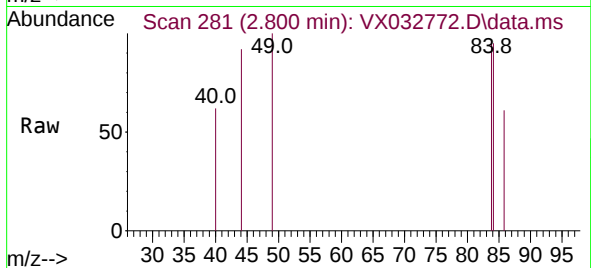
Tgt Ion	Ratio	Lower	Upper
58	100		
43	125.0	242.6	364.0#



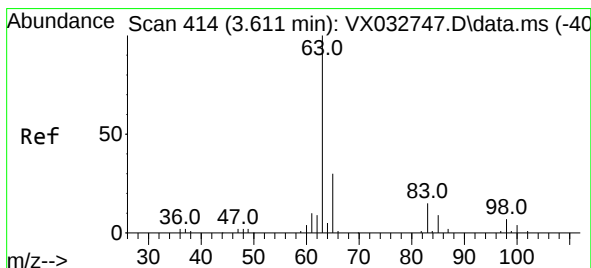
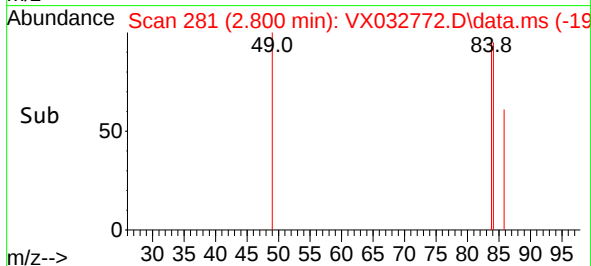
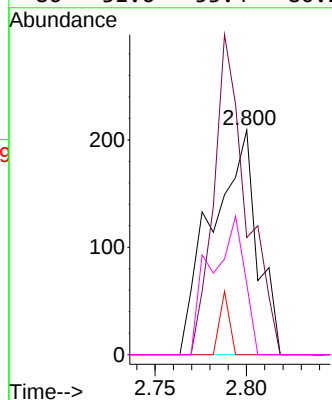


#18
Methylene Chloride
Concen: 0.311 ug/l
RT: 2.800 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX032772.D
Acq: 11 Nov 2022 14:15

Instrument :
MSVOA_X
ClientSampleId :

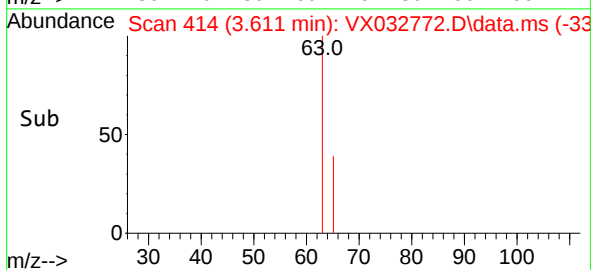
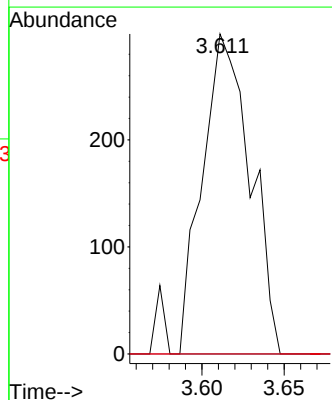
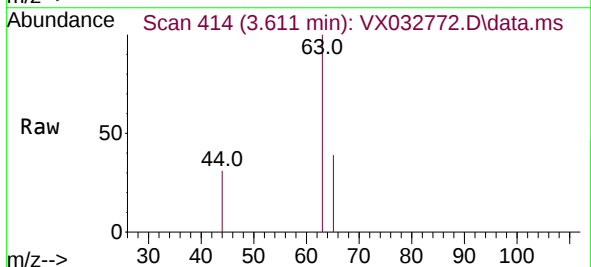


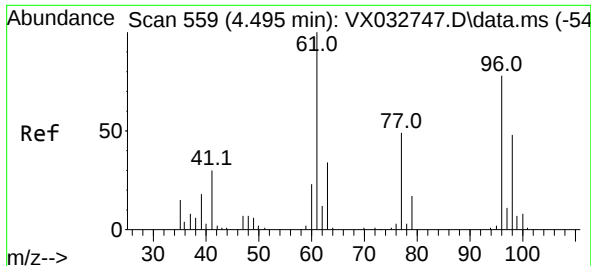
Tgt Ion:	84	Resp:	358
Ion	Ratio	Lower	Upper
84	100		
49	52.2	84.6	127.0#
51	0.0	26.5	39.7#
86	31.6	53.4	80.2#



#21
1,1-Dichloroethane
Concen: 0.305 ug/l
RT: 3.611 min Scan# 414
Delta R.T. -0.000 min
Lab File: VX032772.D
Acq: 11 Nov 2022 14:15

Tgt Ion:	63	Resp:	610
Ion	Ratio	Lower	Upper
63	100		
98	0.0	4.5	13.7#
100	0.0	2.8	8.3#





#22

cis-1,2-Dichloroethene

Concen: 0.342 ug/l

RT: 4.495 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX032772.D

Acq: 11 Nov 2022 14:15

Instrument :

MSVOA_X

ClientSampleId :

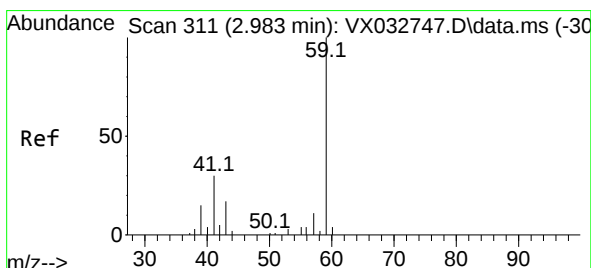
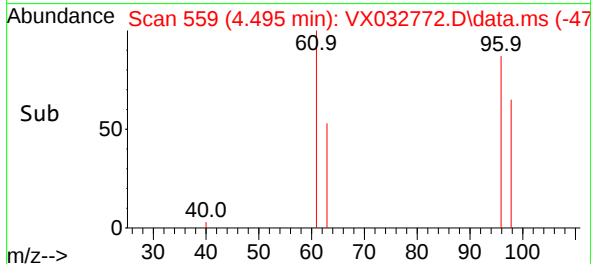
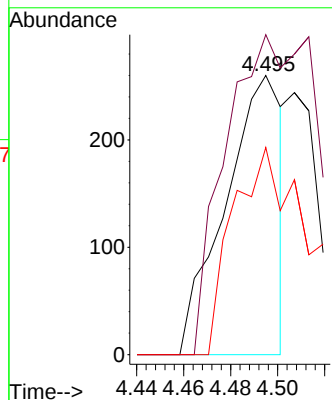
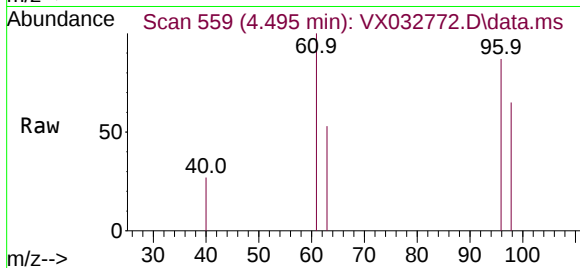
Tgt Ion: 96 Resp: 439

Ion Ratio Lower Upper

96 100

61 115.9 98.0 147.0

98 91.1 52.2 78.4#



#23

tert-Butyl Alcohol

Concen: 3.323 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.037 min

Lab File: VX032772.D

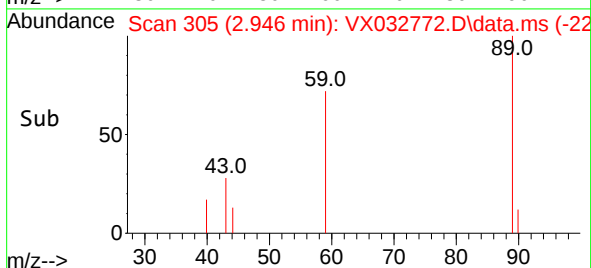
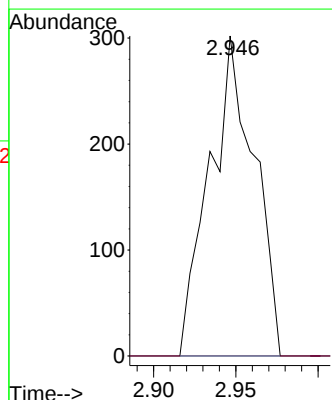
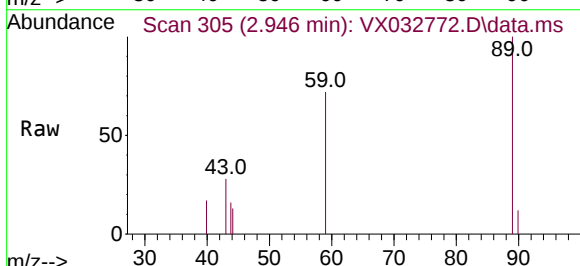
Acq: 11 Nov 2022 14:15

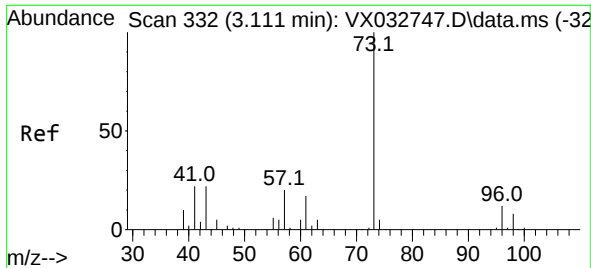
Tgt Ion: 59 Resp: 572

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0

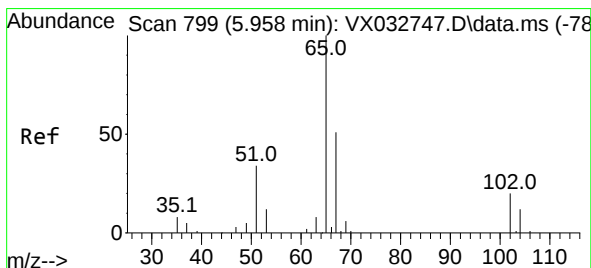
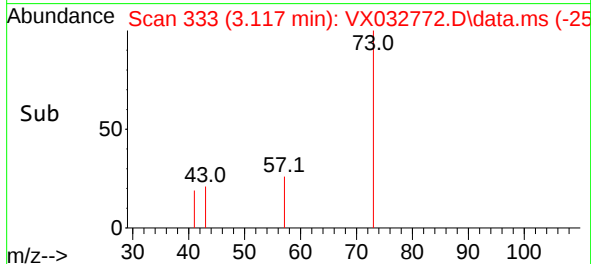
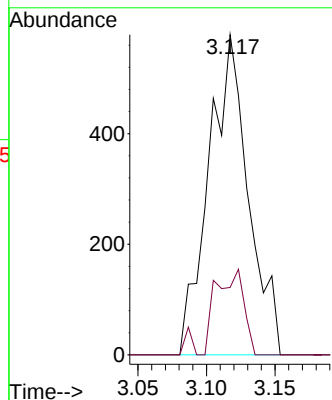
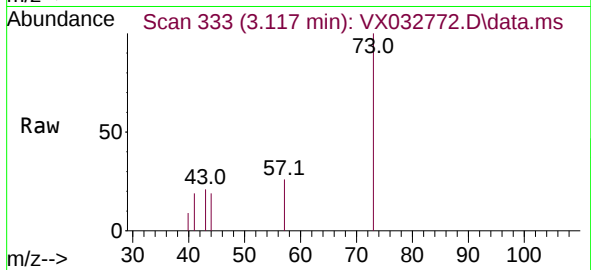




#24
Methyl tert-Butyl Ether
Concen: 0.326 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX032772.D
Acq: 11 Nov 2022 14:15

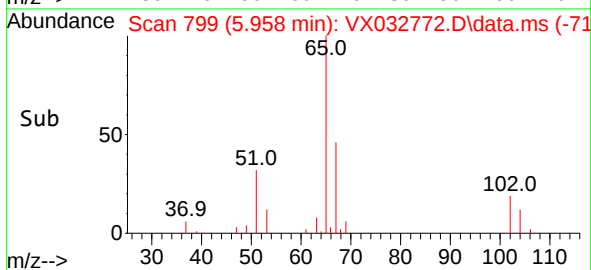
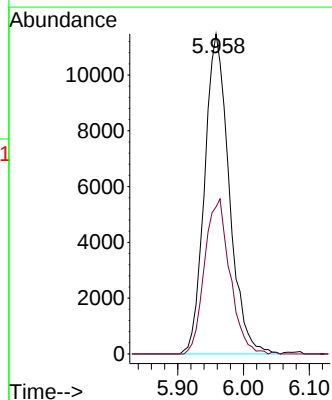
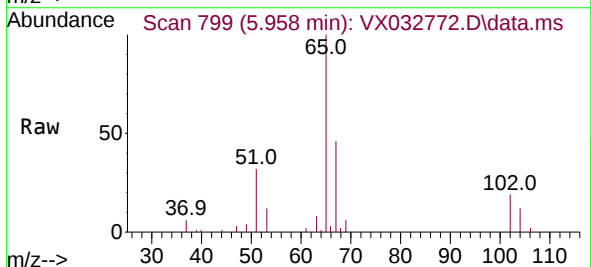
Instrument :
MSVOA_X
ClientSampleId :

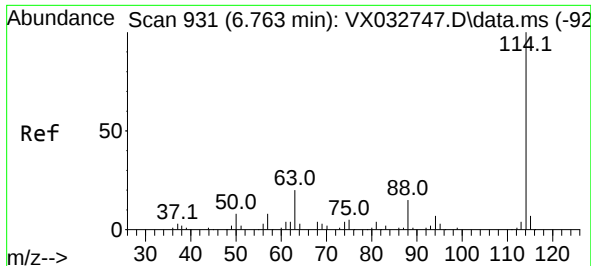
Tgt Ion: 73 Resp: 1165
Ion Ratio Lower Upper
73 100
43 10.7 14.8 22.2#



#27
1,2-Dichloroethane-d4
Concen: 30.117 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX032772.D
Acq: 11 Nov 2022 14:15

Tgt Ion: 65 Resp: 29819
Ion Ratio Lower Upper
65 100
67 49.7 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: VX032772.D

Acq: 11 Nov 2022 14:15

Instrument :

MSVOA_X

ClientSampleId :

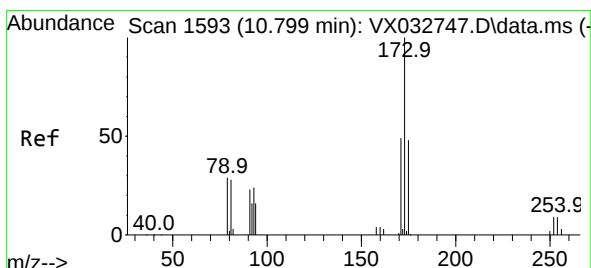
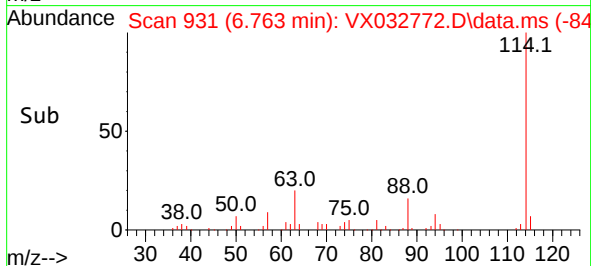
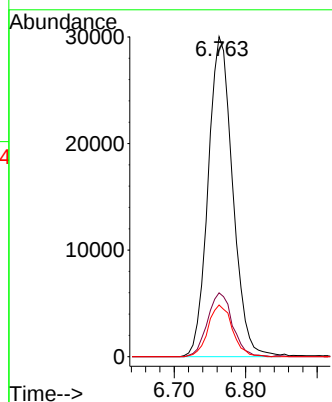
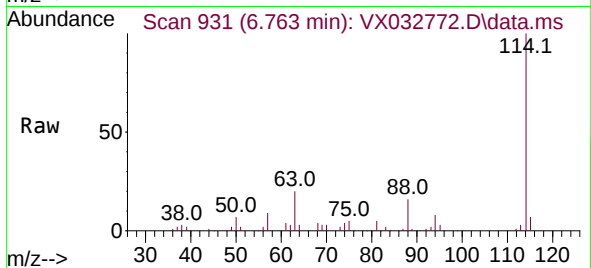
Tgt Ion:114 Resp: 71651

Ion Ratio Lower Upper

114 100

63 20.3 13.6 20.4

88 16.0 11.8 17.6



#56

Bromoform

Concen: 0.467 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.286 min

Lab File: VX032772.D

Acq: 11 Nov 2022 14:15

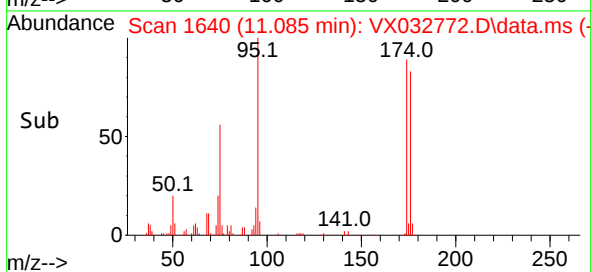
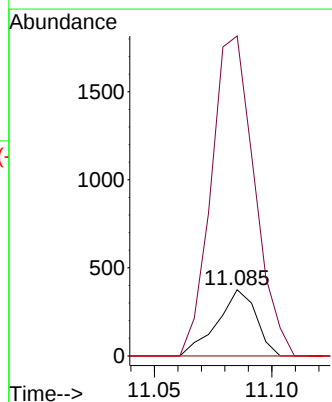
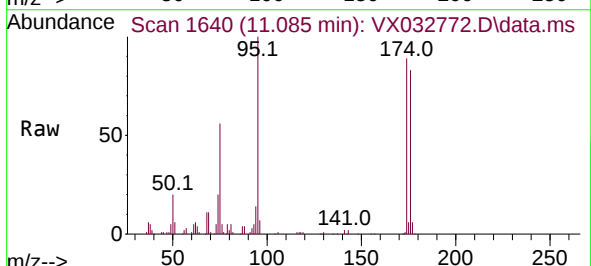
Tgt Ion:173 Resp: 433

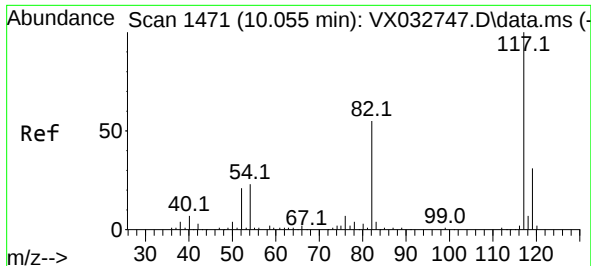
Ion Ratio Lower Upper

173 100

175 536.0 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: VX032772.D

Acq: 11 Nov 2022 14:15

Instrument :

MSVOA_X

ClientSampleId :

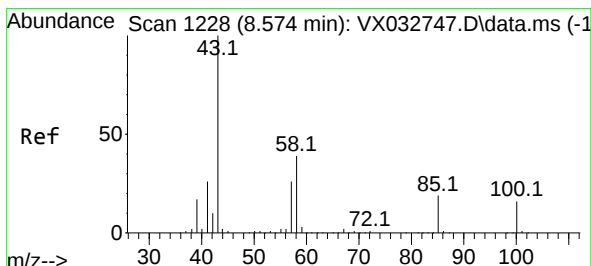
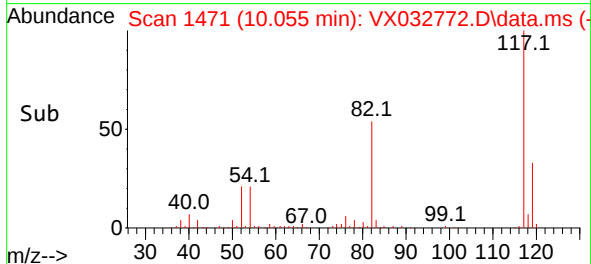
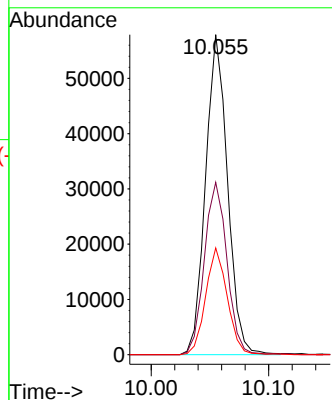
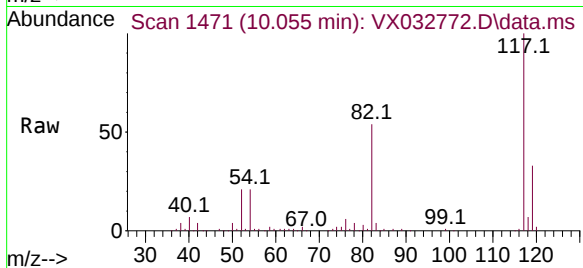
Tgt Ion:117 Resp: 75335

Ion Ratio Lower Upper

117 100

82 55.6 40.0 60.0

119 32.7 26.0 39.0



#58

4-Methyl-2-Pentanone

Concen: 0.245 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX032772.D

Acq: 11 Nov 2022 14:15

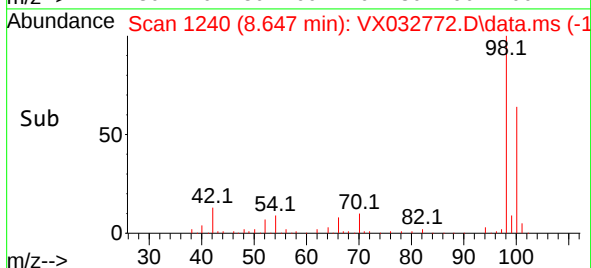
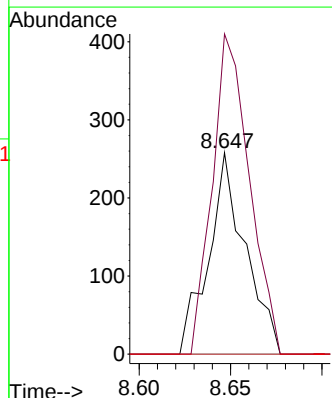
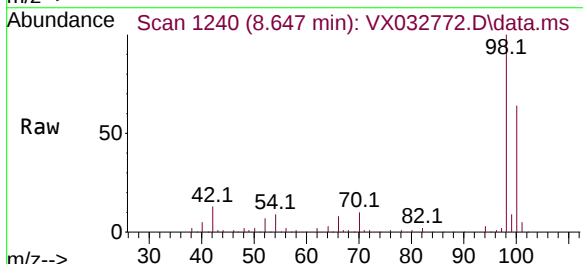
Tgt Ion: 43 Resp: 361

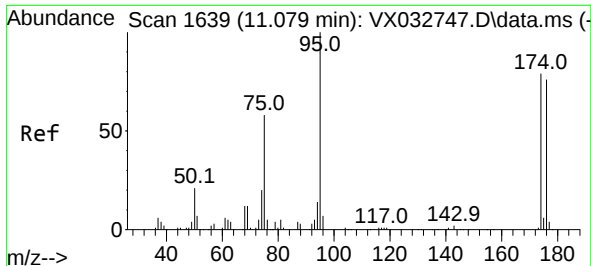
Ion Ratio Lower Upper

43 100

58 161.2 34.9 52.3#

85 0.0 19.4 29.2#





#60

4-Bromofluorobenzene

Concen: 27.728 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX032772.D

Acq: 11 Nov 2022 14:15

Instrument :

MSVOA_X

ClientSampleId :

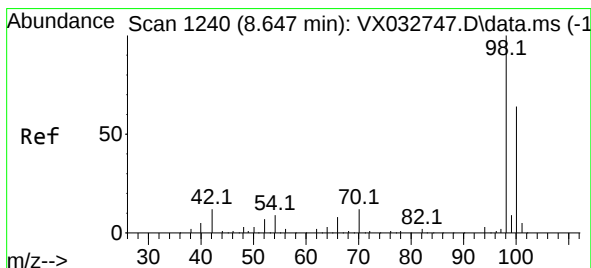
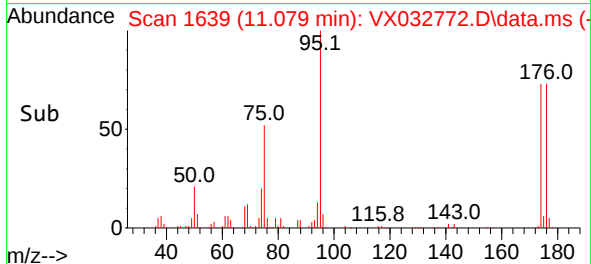
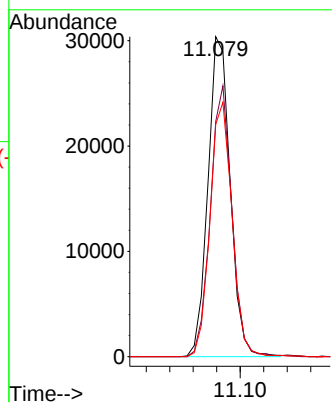
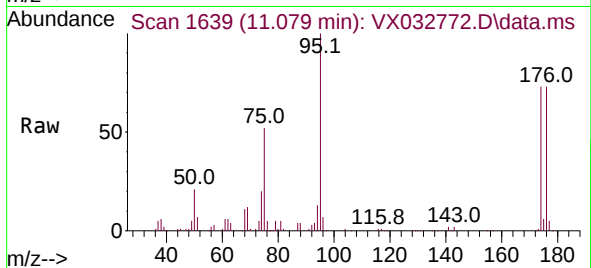
Tgt Ion: 95 Resp: 39958

Ion Ratio Lower Upper

95 100

174 82.0 68.2 102.2

176 78.7 68.1 102.1



#63

Toluene-d8

Concen: 29.933 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.006 min

Lab File: VX032772.D

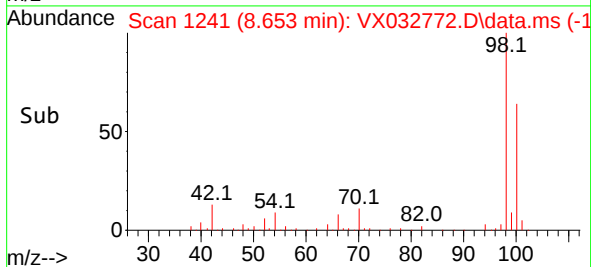
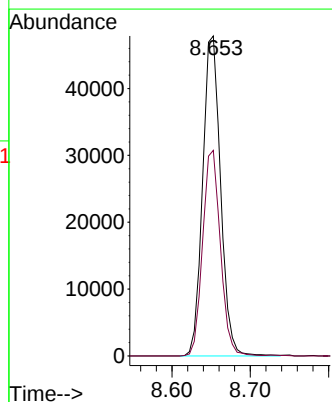
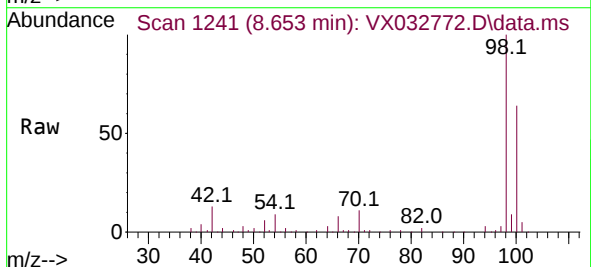
Acq: 11 Nov 2022 14:15

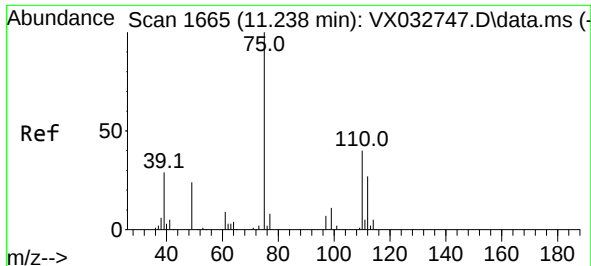
Tgt Ion: 98 Resp: 76102

Ion Ratio Lower Upper

98 100

100 63.6 53.8 80.8

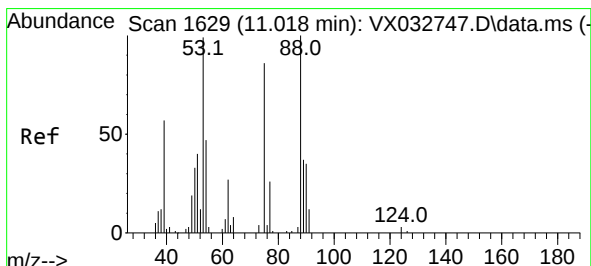
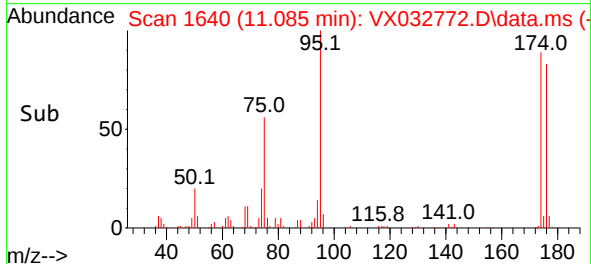
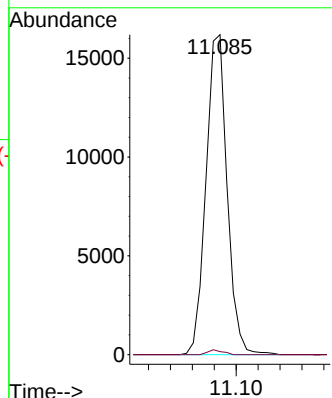
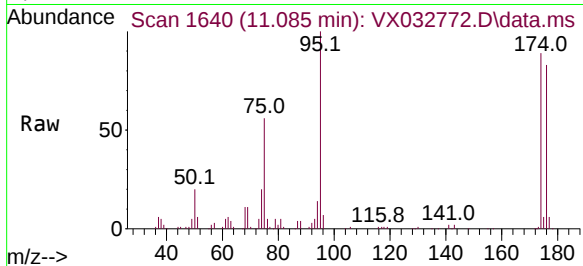




#72
1,2,3-Trichloropropane
Concen: 14.685 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.152 min
Lab File: VX032772.D
Acq: 11 Nov 2022 14:15

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 21673
Ion Ratio Lower Upper
75 100
77 1.1 0.0 76.6



#77
t-1,4-Dichloro-2-butene
Concen: 48.123 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX032772.D
Acq: 11 Nov 2022 14:15

Tgt Ion: 75 Resp: 21673
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.4#
89 0.0 22.9 68.8#

