

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111122\
 Data File : VX032769.D
 Acq On : 11 Nov 2022 13:05
 Operator : JC/MD
 Sample : N5532-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-06

Quant Time: Nov 14 05:11:50 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)

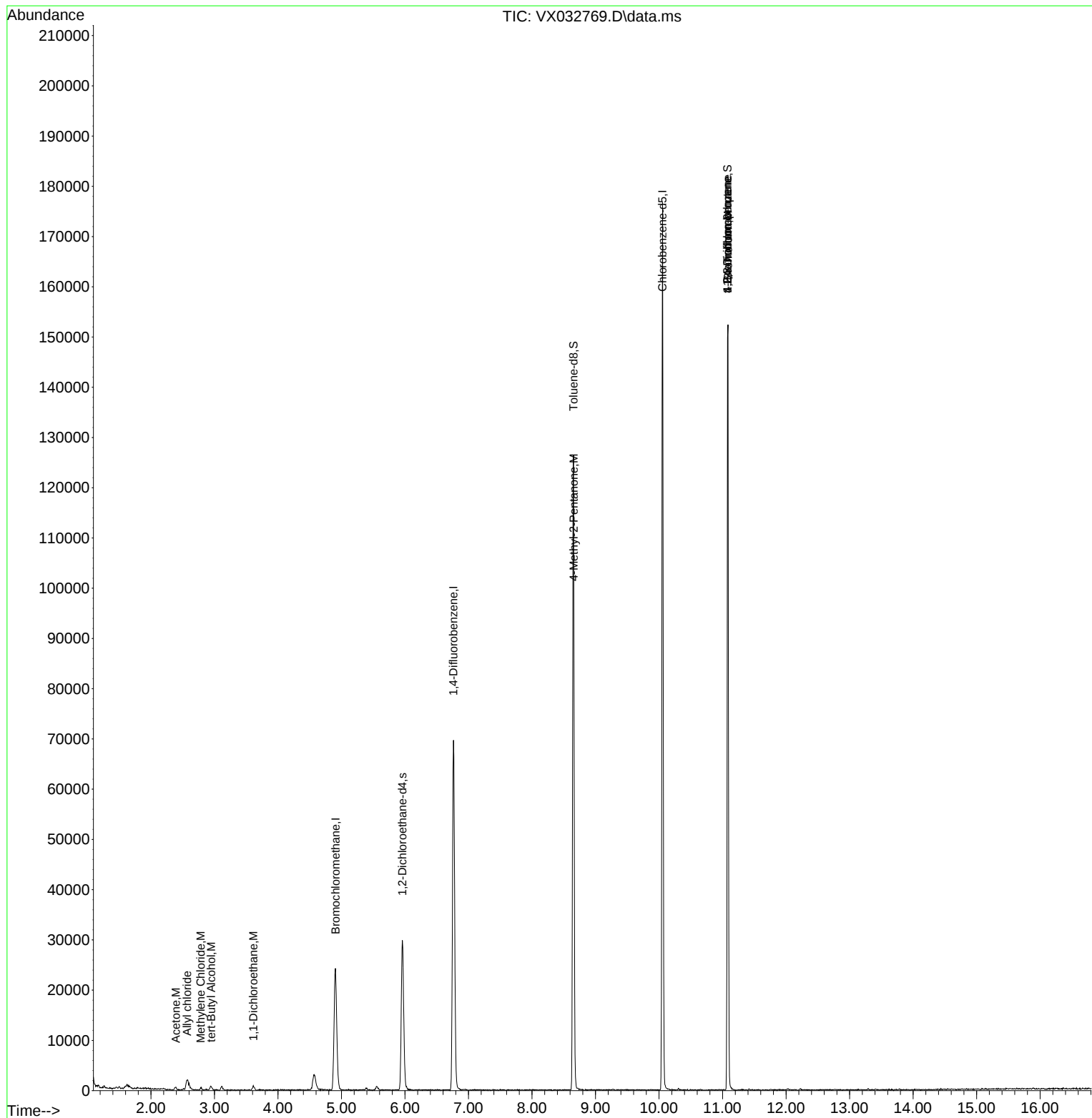
Internal Standards						
1) Bromochloromethane	4.910	128	9962	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	70566	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	10.055	117	77126	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	30194	31.417	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 104.733%	
60) 4-Bromofluorobenzene	11.079	95	39829	26.997	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 90.000%	
63) Toluene-d8	8.653	98	76492	29.388	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 97.967%	
Target Compounds						
					Qvalue	
15) Acetone	2.392	58	204	1.524	ug/l	80
17) Allyl chloride	2.568	41	326	0.212	ug/l	# 64
18) Methylene Chloride	2.782	84	253	0.226	ug/l	# 82
21) 1,1-Dichloroethane	3.611	63	1144	0.590	ug/l	# 78
23) tert-Butyl Alcohol	2.946	59	490	2.932	ug/l	# 100
56) Bromoform	11.085	173	345	0.378	ug/l	# 1
58) 4-Methyl-2-Pentanone	8.659	43	355	0.235	ug/l	# 1
72) 1,2,3-Trichloropropane	11.079	75	21646	14.326	ug/l	38
77) t-1,4-Dichloro-2-butene	11.079	75	21646	46.947	ug/l	# 8

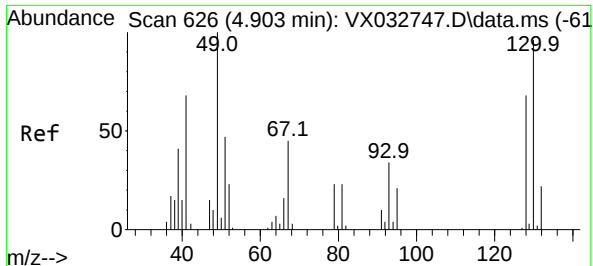
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 14 05:11:50 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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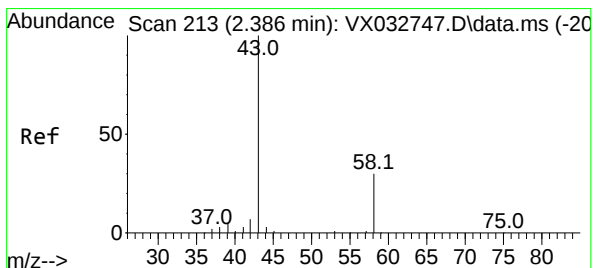
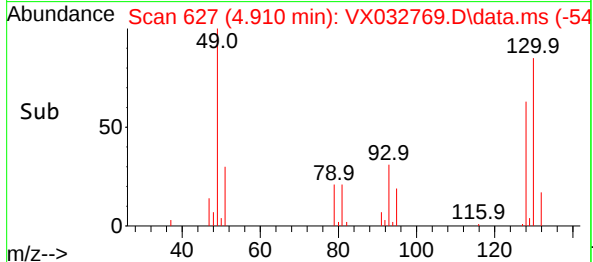
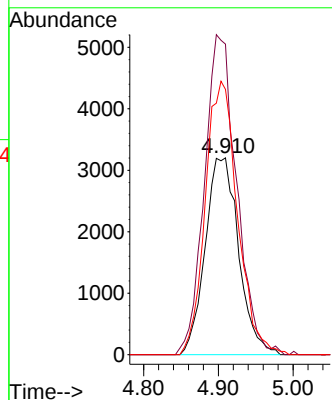
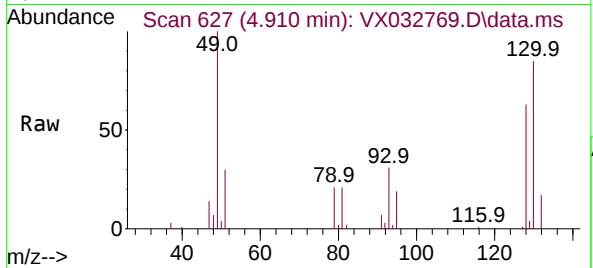




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.910 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX032769.D
Acq: 11 Nov 2022 13:05

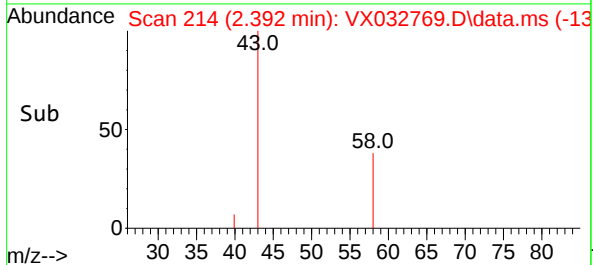
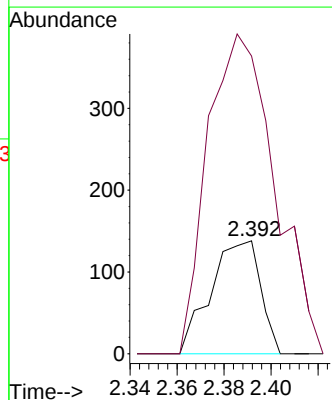
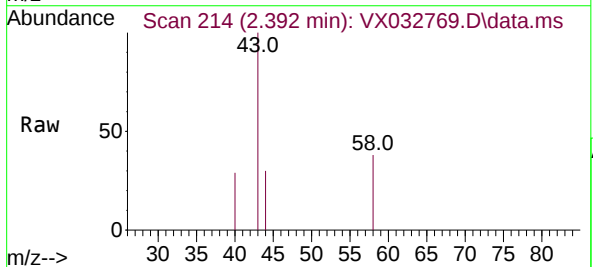
Instrument :
MSVOA_X
ClientSampleId :
DUP-06

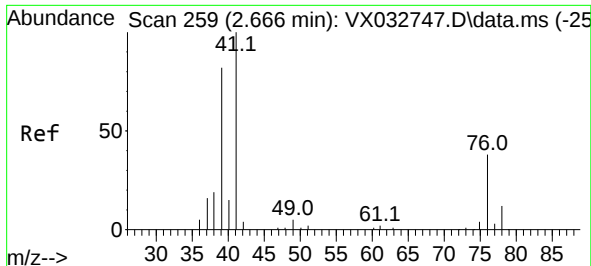
Tgt Ion:128 Resp: 9962
Ion Ratio Lower Upper
128 100
49 155.8 0.0 293.0
130 134.1 0.0 321.5



#15
Acetone
Concen: 1.524 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX032769.D
Acq: 11 Nov 2022 13:05

Tgt Ion: 58 Resp: 204
Ion Ratio Lower Upper
58 100
43 263.8 242.6 364.0





#17

Allyl chloride

Concen: 0.212 ug/l

RT: 2.568 min Scan# 243

Delta R.T. -0.098 min

Lab File: VX032769.D

Acq: 11 Nov 2022 13:05

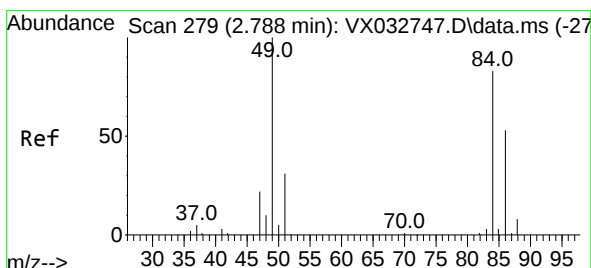
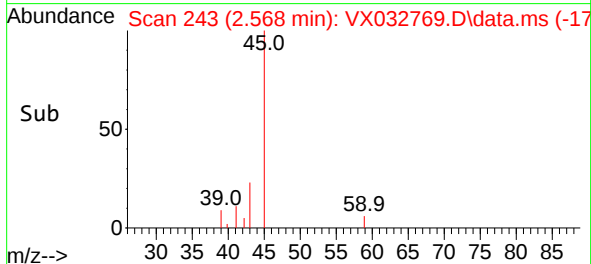
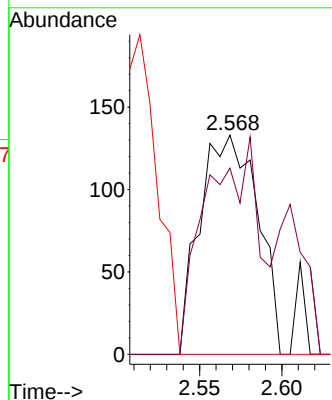
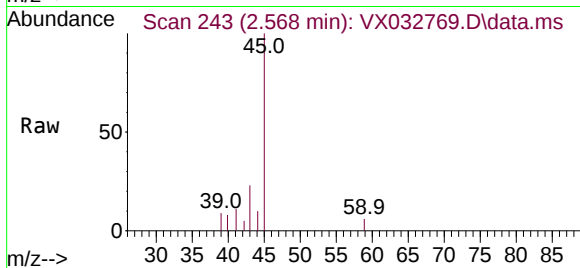
Instrument :

MSVOA_X

ClientSampleId :

DUP-06

Tgt Ion: 41	Resp:	326
Ion	Ratio	Lower Upper
41	100	
39	85.0	37.0 111.0
76	0.0	23.8 71.5#



#18

Methylene Chloride

Concen: 0.226 ug/l

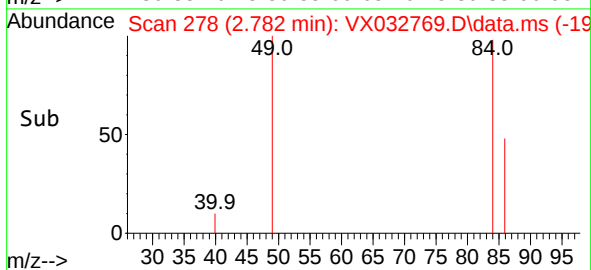
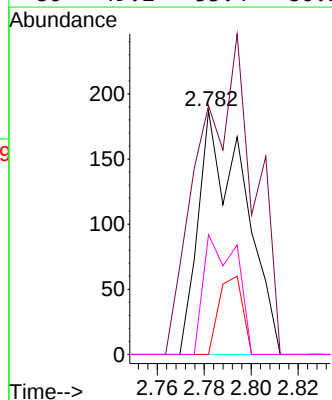
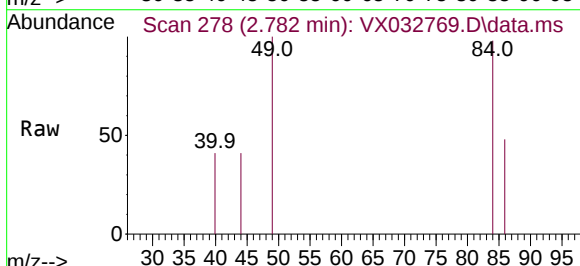
RT: 2.782 min Scan# 278

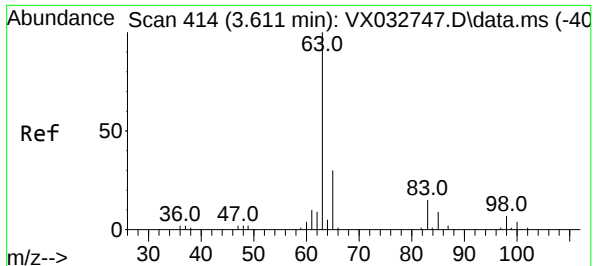
Delta R.T. -0.006 min

Lab File: VX032769.D

Acq: 11 Nov 2022 13:05

Tgt Ion: 84	Resp:	253
Ion	Ratio	Lower Upper
84	100	
49	102.1	84.6 127.0
51	0.0	26.5 39.7#
86	49.2	53.4 80.2#





#21

1,1-Dichloroethane

Concen: 0.590 ug/l

RT: 3.611 min Scan# 41

Delta R.T. -0.000 min

Lab File: VX032769.D

Acq: 11 Nov 2022 13:05

Instrument :

MSVOA_X

ClientSampleId :

DUP-06

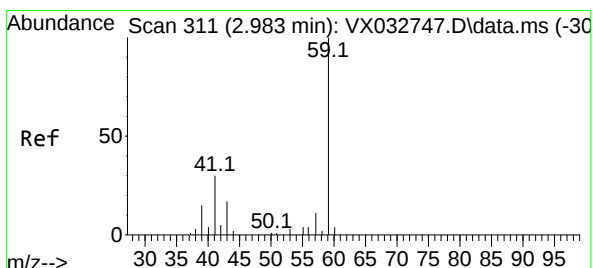
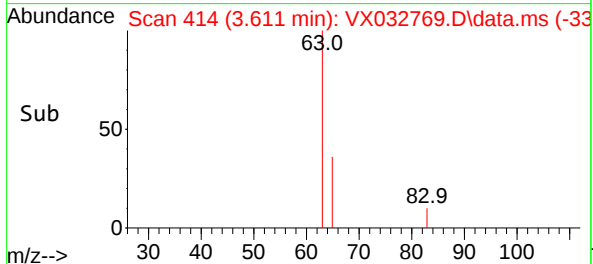
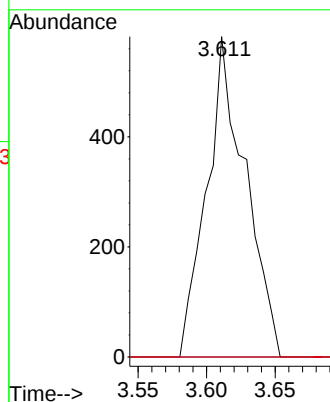
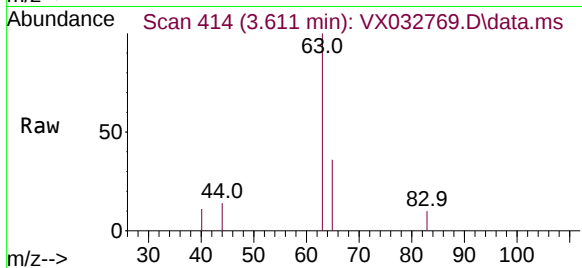
Tgt Ion: 63 Resp: 1144

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: 2.932 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.037 min

Lab File: VX032769.D

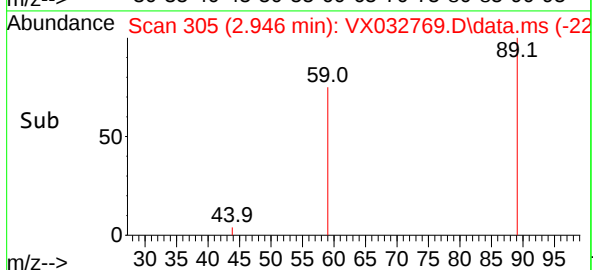
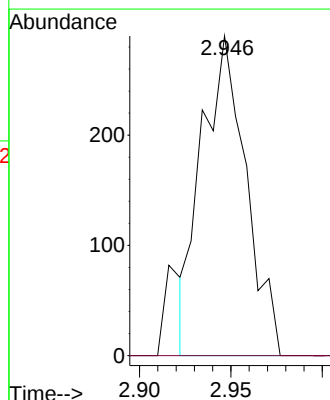
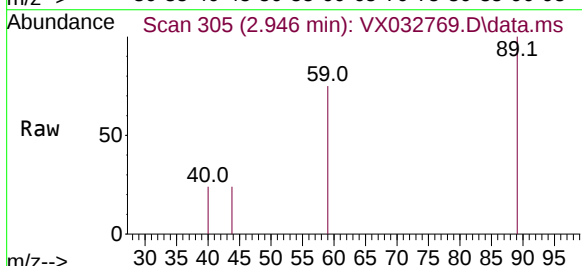
Acq: 11 Nov 2022 13:05

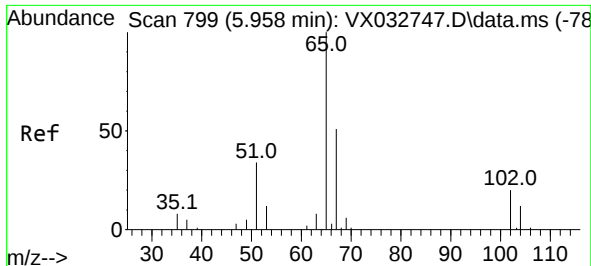
Tgt Ion: 59 Resp: 490

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0





#27

1,2-Dichloroethane-d4

Concen: 31.417 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX032769.D

Acq: 11 Nov 2022 13:05

Instrument :

MSVOA_X

ClientSampleId :

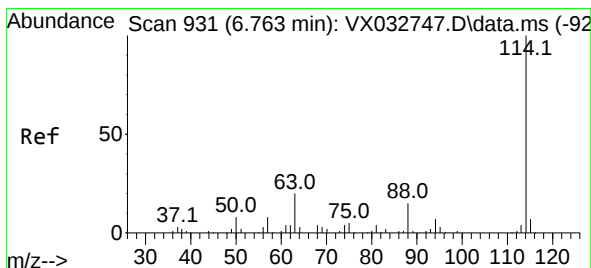
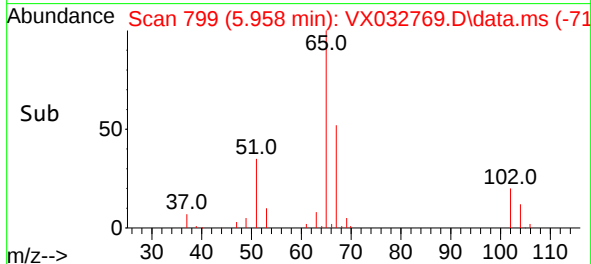
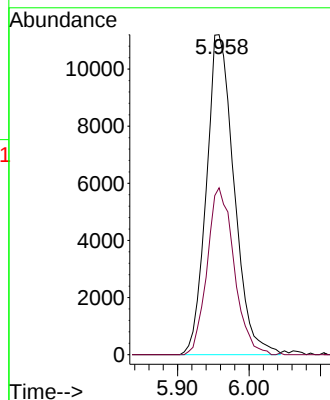
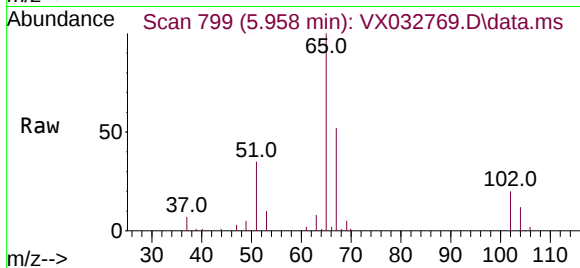
DUP-06

Tgt Ion: 65 Resp: 30194

Ion Ratio Lower Upper

65 100

67 50.6 41.8 62.6



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX032769.D

Acq: 11 Nov 2022 13:05

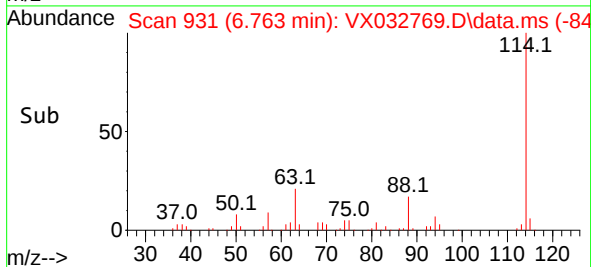
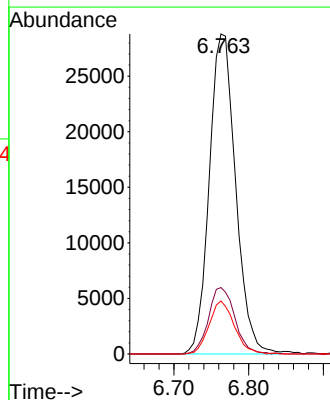
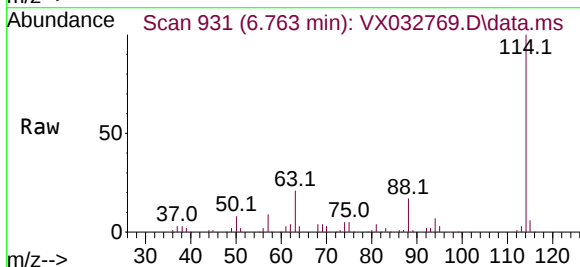
Tgt Ion: 114 Resp: 70566

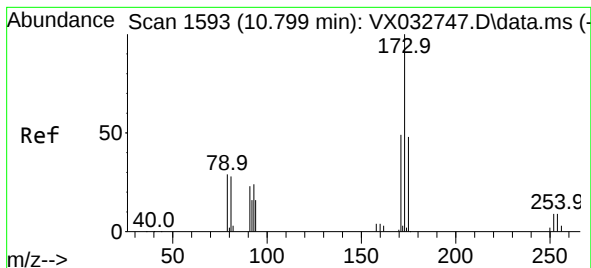
Ion Ratio Lower Upper

114 100

63 20.7 13.6 20.4

88 15.8 11.8 17.6





#56

Bromoform

Concen: 0.378 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.286 min

Lab File: VX032769.D

Acq: 11 Nov 2022 13:05

Instrument :

MSVOA_X

ClientSampleId :

DUP-06

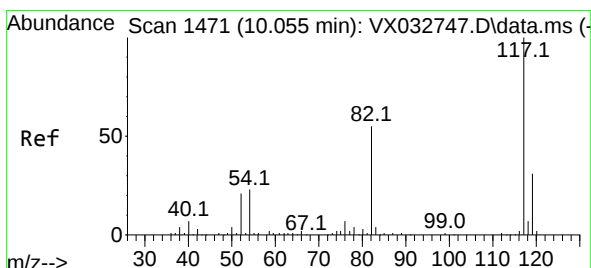
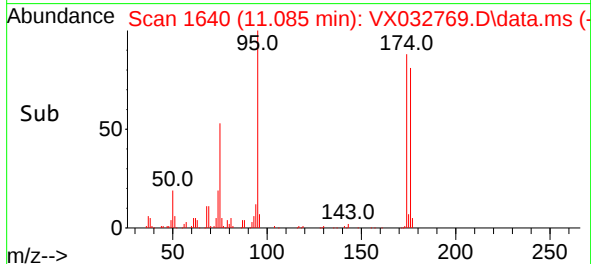
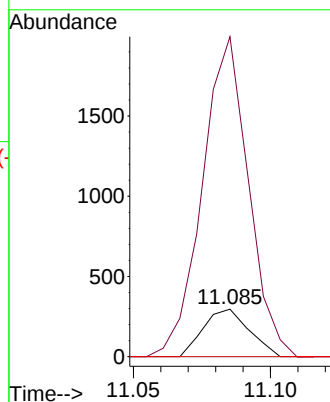
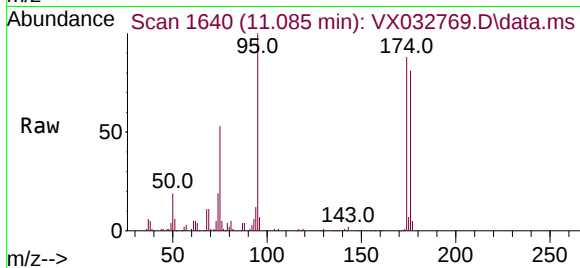
Tgt Ion:173 Resp: 345

Ion Ratio Lower Upper

173 100

175 676.5 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: VX032769.D

Acq: 11 Nov 2022 13:05

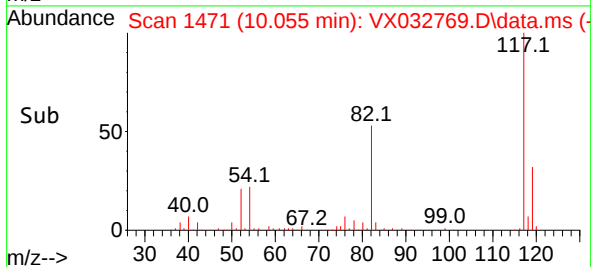
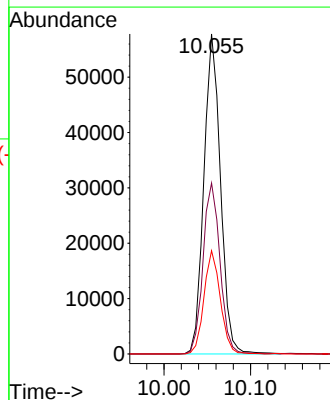
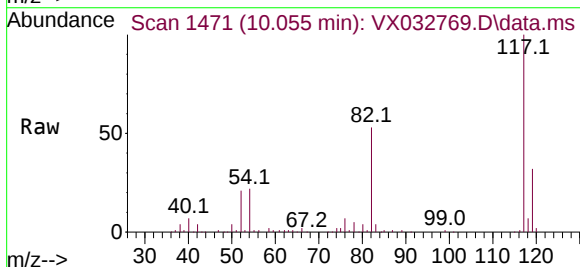
Tgt Ion:117 Resp: 77126

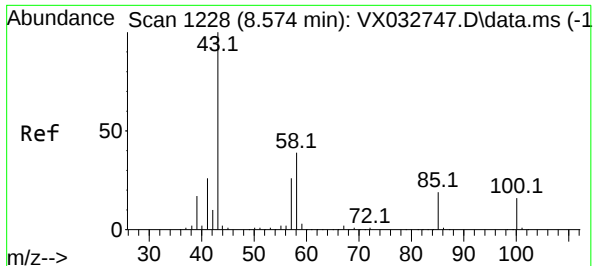
Ion Ratio Lower Upper

117 100

82 54.5 40.0 60.0

119 31.7 26.0 39.0





#58

4-Methyl-2-Pentanone

Concen: 0.235 ug/l

RT: 8.659 min Scan# 1242

Delta R.T. 0.085 min

Lab File: VX032769.D

Acq: 11 Nov 2022 13:05

Instrument :

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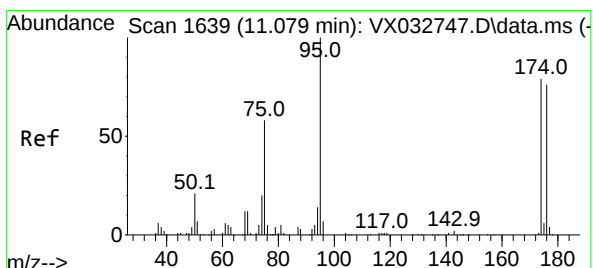
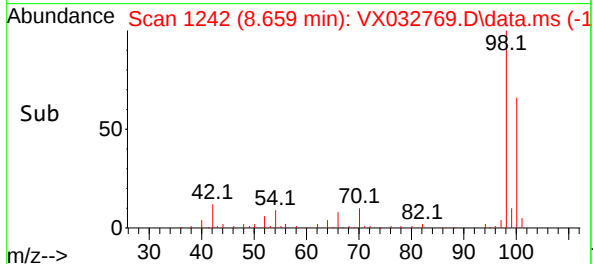
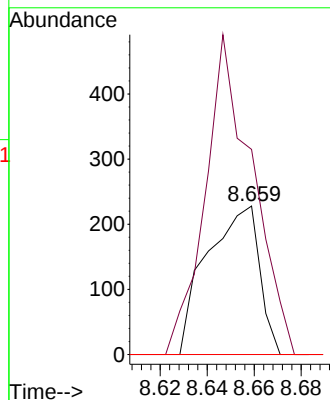
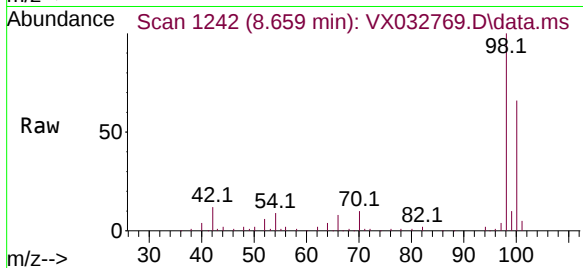
Tgt Ion: 43 Resp: 355

Ion Ratio Lower Upper

43 100

58 192.4 34.9 52.3#

85 0.0 19.4 29.2#



#60

4-Bromofluorobenzene

Concen: 26.997 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX032769.D

Acq: 11 Nov 2022 13:05

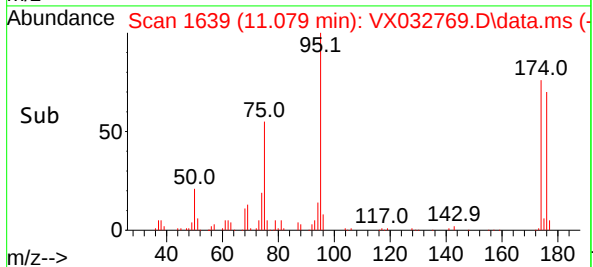
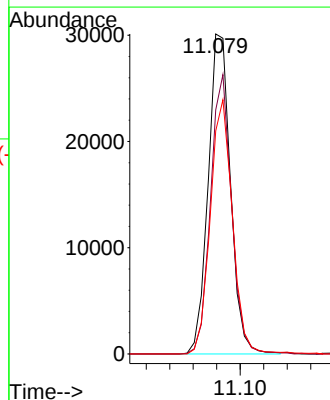
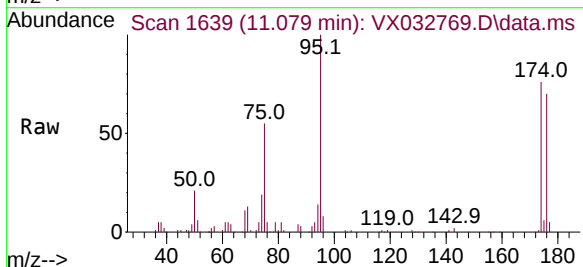
Tgt Ion: 95 Resp: 39829

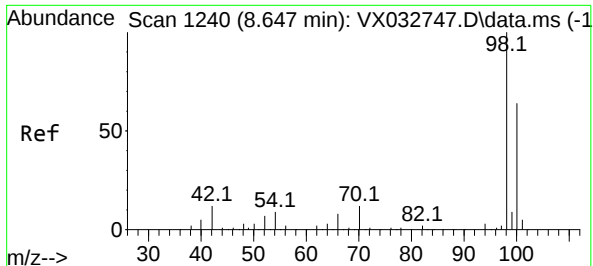
Ion Ratio Lower Upper

95 100

174 82.4 68.2 102.2

176 78.8 68.1 102.1

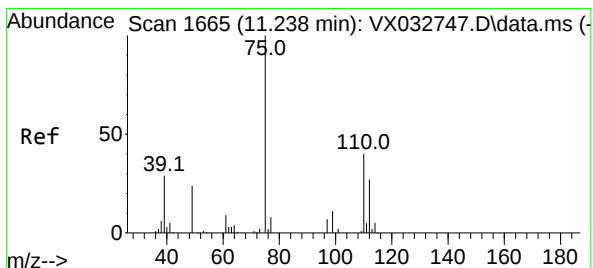
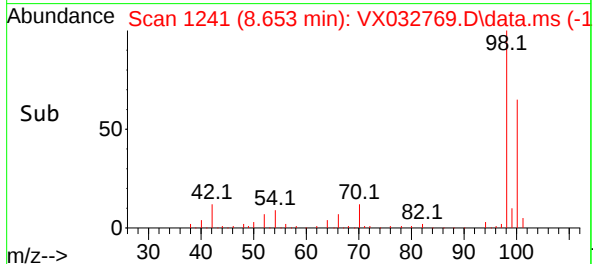
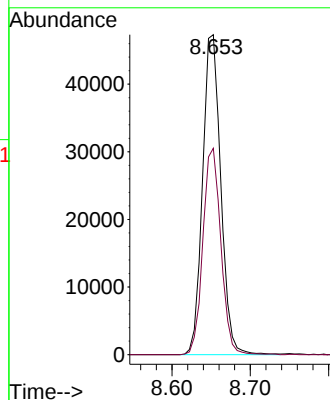
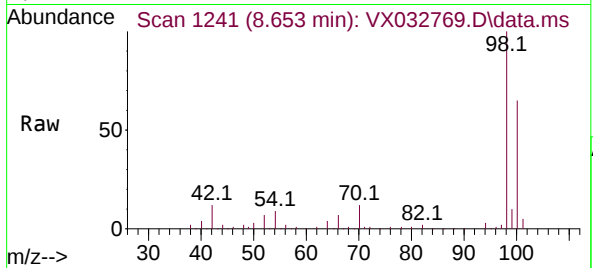




#63
Toluene-d8
Concen: 29.388 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX032769.D
Acq: 11 Nov 2022 13:05

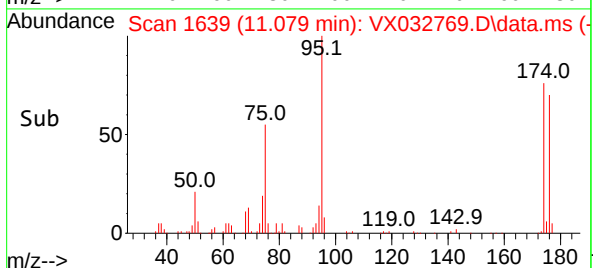
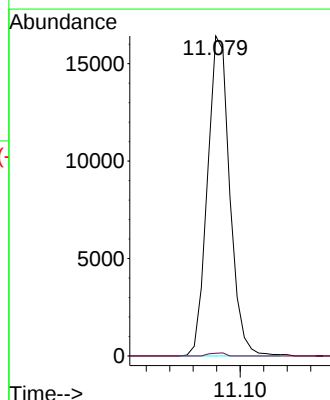
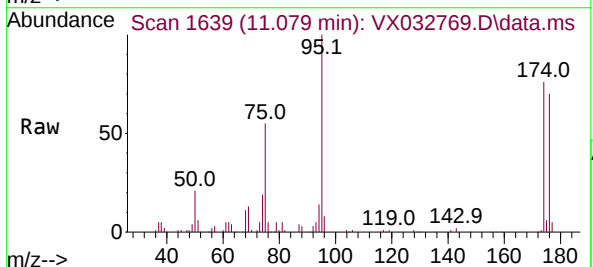
Instrument :
MSVOA_X
ClientSampleId :
DUP-06

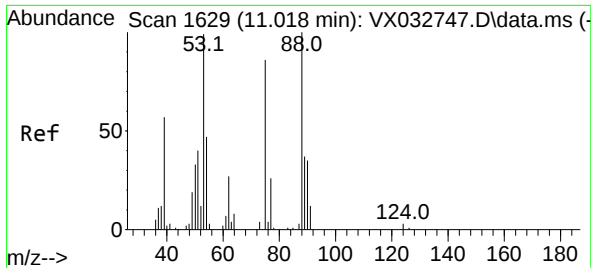
Tgt Ion: 98 Resp: 76492
Ion Ratio Lower Upper
98 100
100 63.6 53.8 80.8



#72
1,2,3-Trichloropropane
Concen: 14.326 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX032769.D
Acq: 11 Nov 2022 13:05

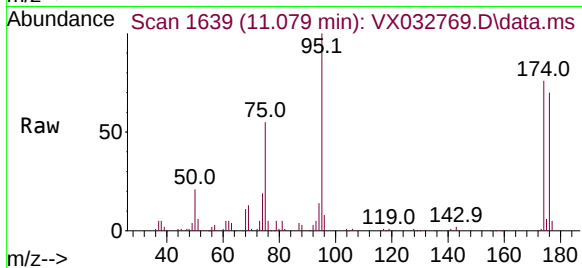
Tgt Ion: 75 Resp: 21646
Ion Ratio Lower Upper
75 100
77 0.7 0.0 76.6





#77
 t-1,4-Dichloro-2-butene
 Concen: 46.947 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX032769.D
 Acq: 11 Nov 2022 13:05

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-06



Tgt Ion: 75 Resp: 21646
 Ion Ratio Lower Upper
 75 100
 53 0.0 51.8 155.4#
 89 0.0 22.9 68.8#

