

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011422\
 Data File : VX026448.D
 Acq On : 14 Jan 2022 12:15
 Operator : JC/MD
 Sample : N1123-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 220112003-05-TRIP-BLANK

Quant Time: Jan 17 05:56:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011022W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jan 10 12:50:55 2022
 Response via : Initial Calibration

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

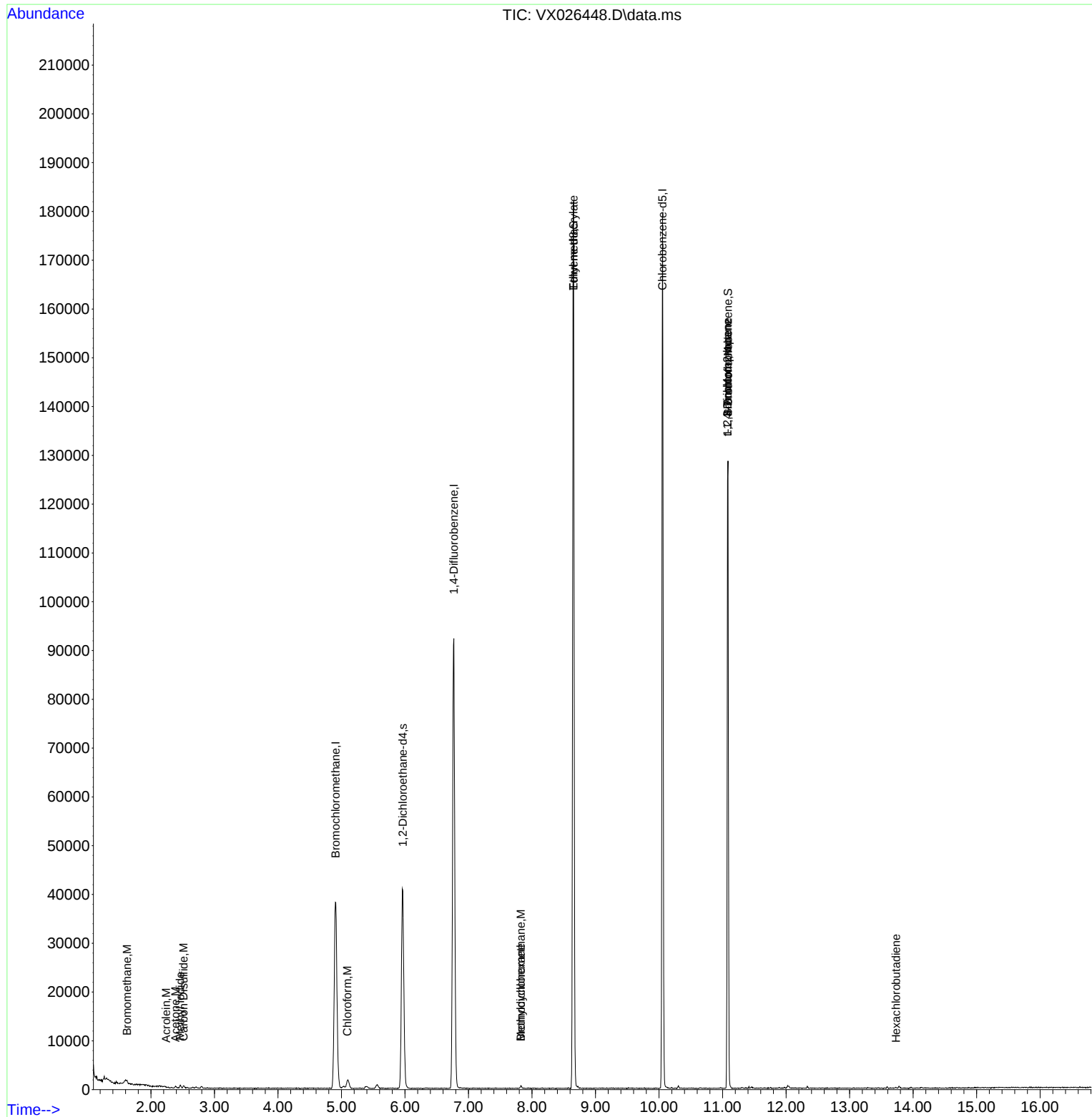
Internal Standards						
1) Bromochloromethane	4.910	128	16485	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	93250	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	77128	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	40519	30.567	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.900%
60) 4-Bromofluorobenzene	11.085	95	37055	28.787	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	95.967%
63) Toluene-d8	8.653	98	106664	30.104	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.333%
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	152	0.352	ug/l	93
11) Methyl Iodide	2.459	142	609	0.633	ug/l #	85
13) Acrolein	2.239	56	48	0.249	ug/l #	13
15) Acetone	2.386	58	100	0.615	ug/l #	9
16) Carbon Disulfide	2.514	76	781	0.312	ug/l #	75
25) Chloroform	5.093	83	2253	1.192	ug/l	86
38) Methylcyclohexane	7.824	83	505	0.293	ug/l #	17
41) Bromodichloromethane	7.824	83	505	0.341	ug/l #	95
51) Ethyl methacrylate	8.653	69	318	0.202	ug/l	83
56) Bromoform	11.085	173	265	0.372	ug/l #	1
72) 1,2,3-Trichloropropane	11.079	75	18711	15.200	ug/l	39
77) t-1,4-Dichloro-2-butene	11.079	75	18711	50.538	ug/l #	3
90) Hexachlorobutadiene	13.731	225	125	0.240	ug/l #	42

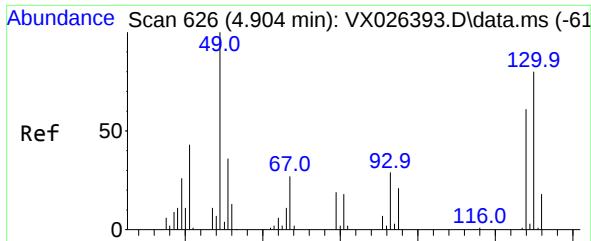
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011422\
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Instrument :
MSVOA_X
ClientSampleId :
220112003-05-TRIP-BLANK

Quant Time: Jan 17 05:56:36 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011022W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Jan 10 12:50:55 2022
Response via : Initial Calibration

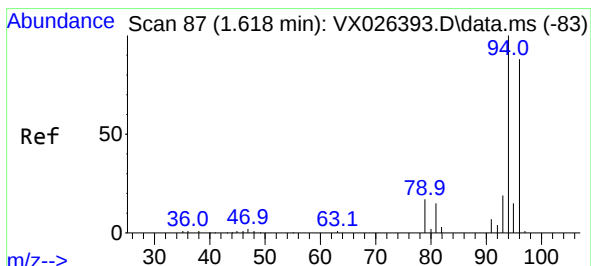
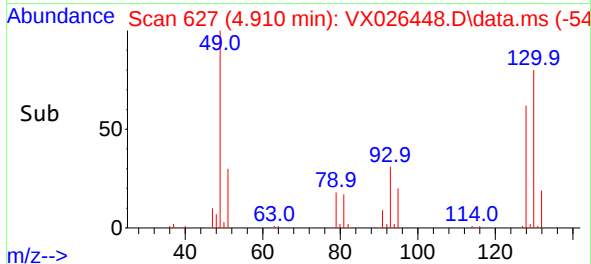
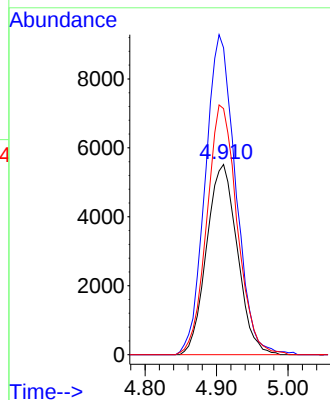
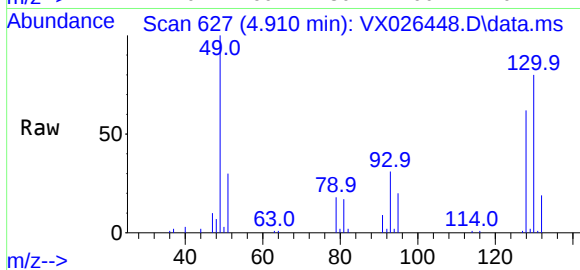




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.910 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX026448.D
Acq: 14 Jan 2022 12:15

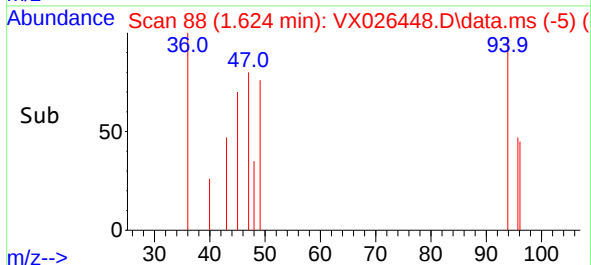
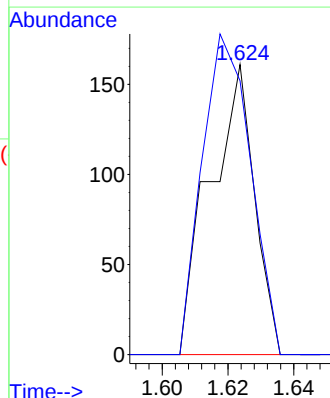
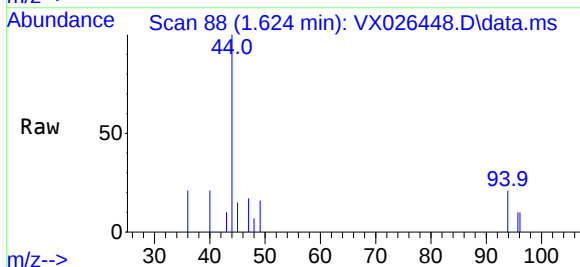
Instrument :
MSVOA_X
ClientSampleId :
220112003-05-TRIP-BLANK

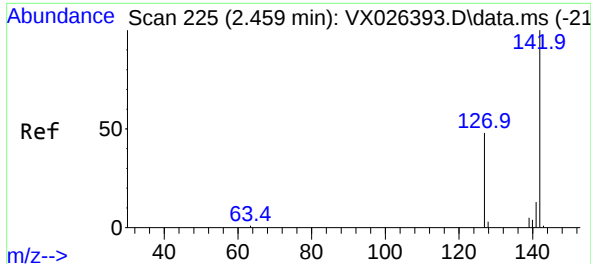
Tgt Ion:128 Resp: 16485
Ion Ratio Lower Upper
128 100
49 166.2 0.0 413.5
130 129.7 0.0 326.0



#5
Bromomethane
Concen: 0.352 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.006 min
Lab File: VX026448.D
Acq: 14 Jan 2022 12:15

Tgt Ion: 94 Resp: 152
Ion Ratio Lower Upper
94 100
96 94.4 70.3 105.5





#11

Methyl Iodide

Concen: 0.633 ug/l

RT: 2.459 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX026448.D

Acq: 14 Jan 2022 12:15

Instrument :

MSVOA_X

ClientSampleId :

220112003-05-TRIP-BLANK

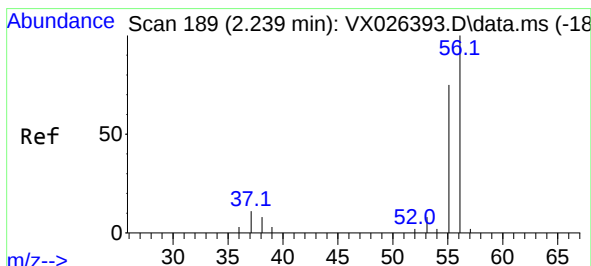
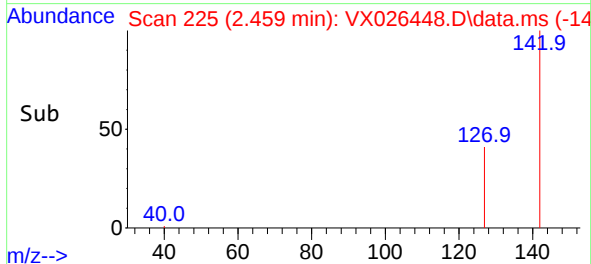
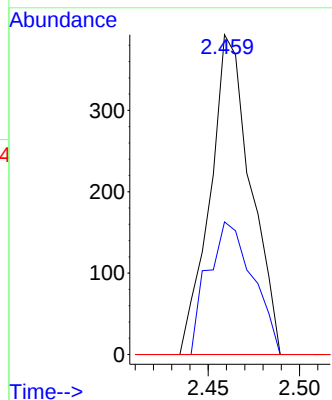
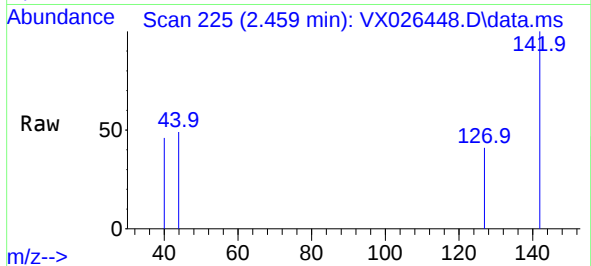
Tgt Ion:142 Resp: 609

Ion Ratio Lower Upper

142 100

127 41.5 23.9 71.7

141 0.0 6.7 20.1#



#13

Acrolein

Concen: 0.249 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX026448.D

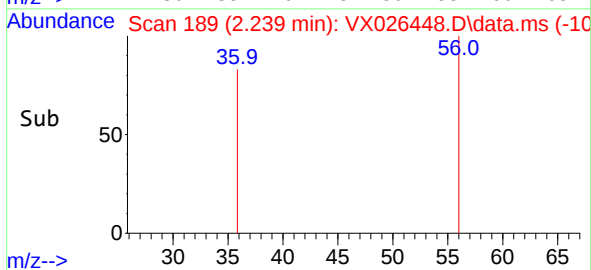
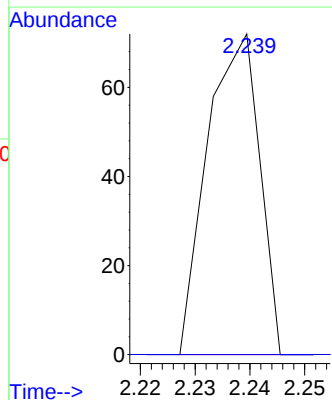
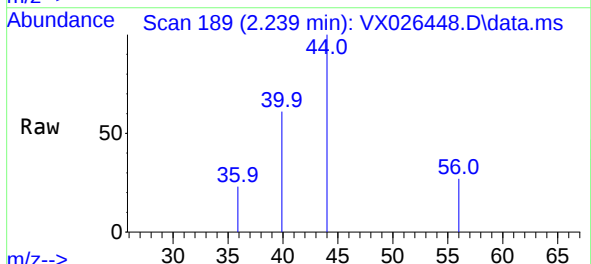
Acq: 14 Jan 2022 12:15

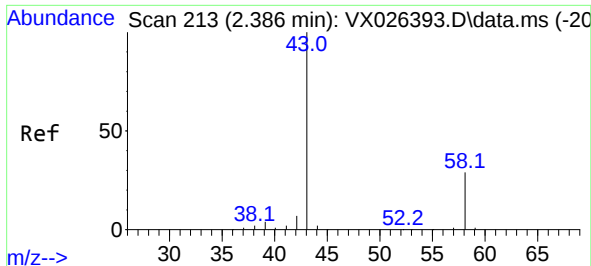
Tgt Ion: 56 Resp: 48

Ion Ratio Lower Upper

56 100

55 0.0 58.2 87.2#





#15

Acetone

Concen: 0.615 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX026448.D

Acq: 14 Jan 2022 12:15

Instrument :

MSVOA_X

ClientSampleId :

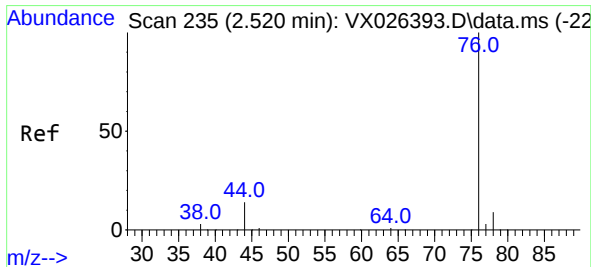
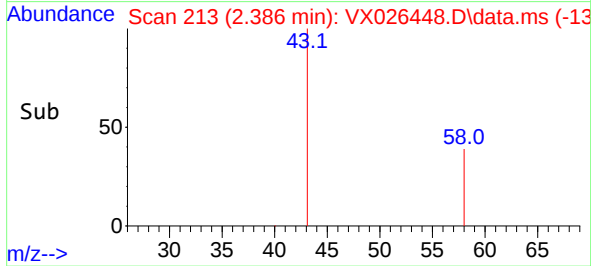
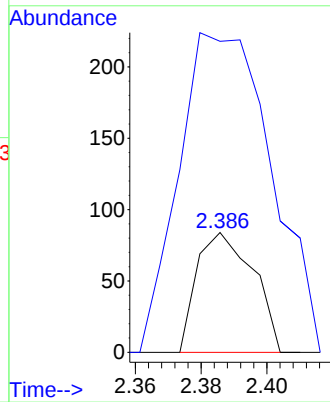
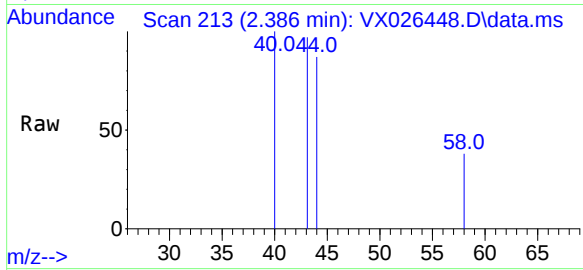
220112003-05-TRIP-BLANK

Tgt Ion: 58 Resp: 100

Ion Ratio Lower Upper

58 100

43 150.0 276.3 414.5#



#16

Carbon Disulfide

Concen: 0.312 ug/l

RT: 2.514 min Scan# 234

Delta R.T. -0.006 min

Lab File: VX026448.D

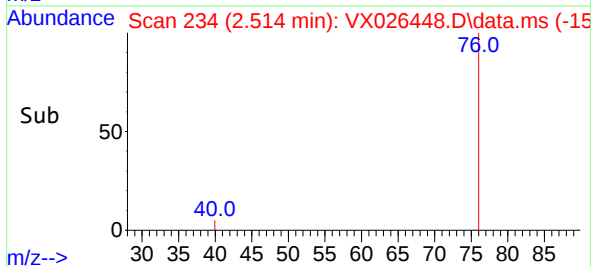
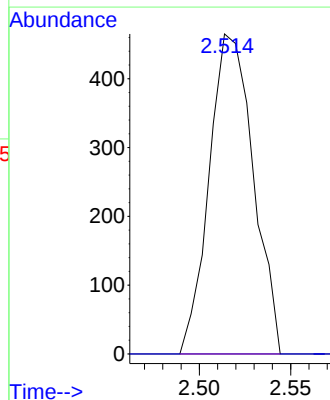
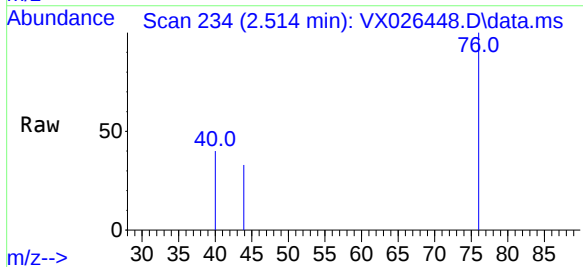
Acq: 14 Jan 2022 12:15

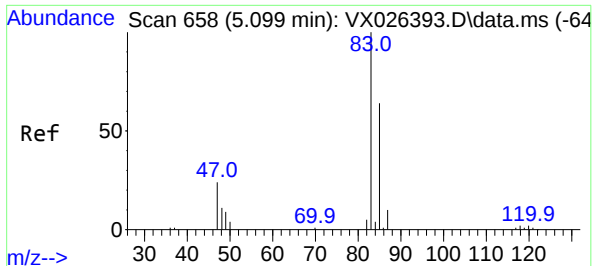
Tgt Ion: 76 Resp: 781

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#

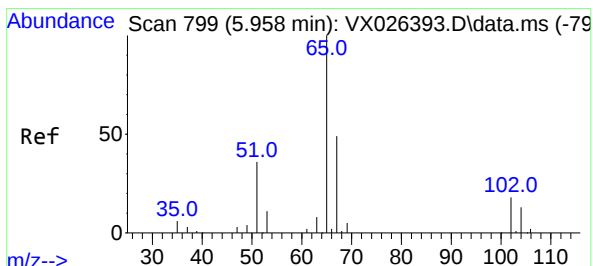
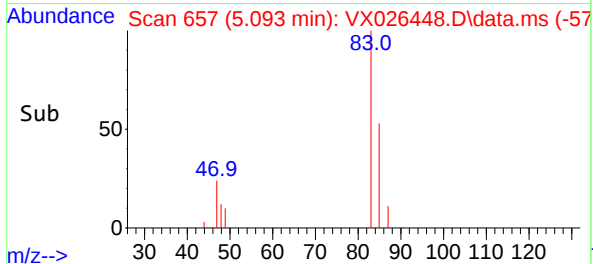
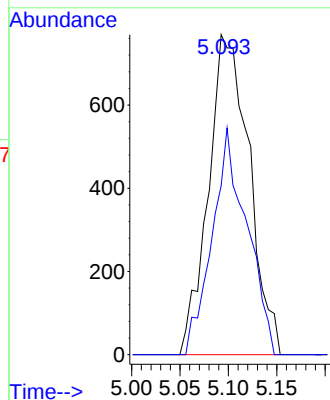
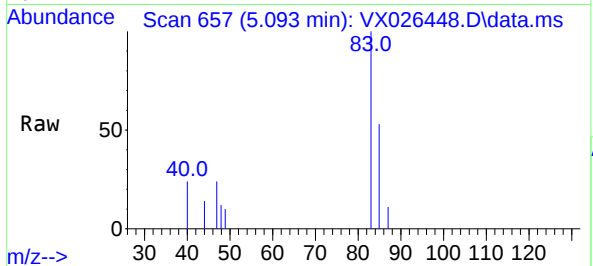




#25
Chloroform
Concen: 1.192 ug/l
RT: 5.093 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX026448.D
Acq: 14 Jan 2022 12:15

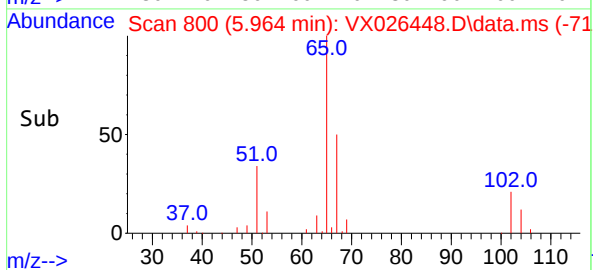
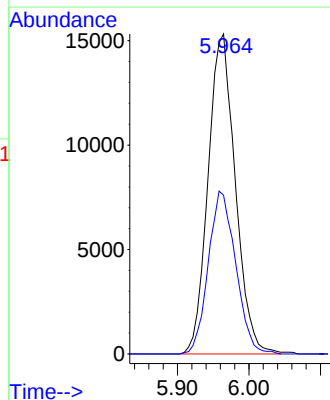
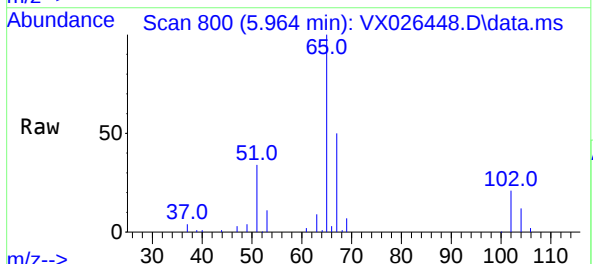
Instrument :
MSVOA_X
ClientSampleId :
220112003-05-TRIP-BLANK

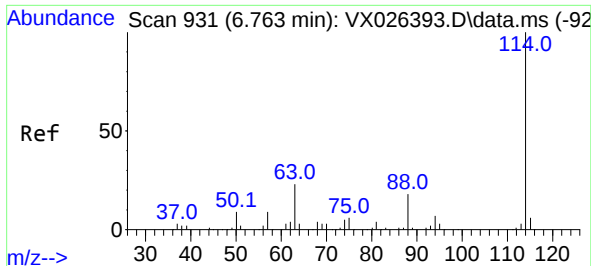
Tgt Ion: 83 Resp: 2253
Ion Ratio Lower Upper
83 100
85 52.8 50.8 76.2



#27
1,2-Dichloroethane-d4
Concen: 30.567 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX026448.D
Acq: 14 Jan 2022 12:15

Tgt Ion: 65 Resp: 40519
Ion Ratio Lower Upper
65 100
67 51.0 39.6 59.4





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX026448.D

Acq: 14 Jan 2022 12:15

Instrument :

MSVOA_X

ClientSampleId :

220112003-05-TRIP-BLANK

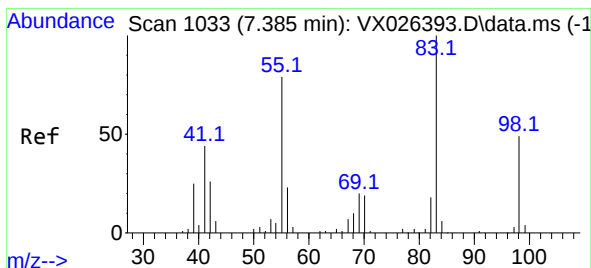
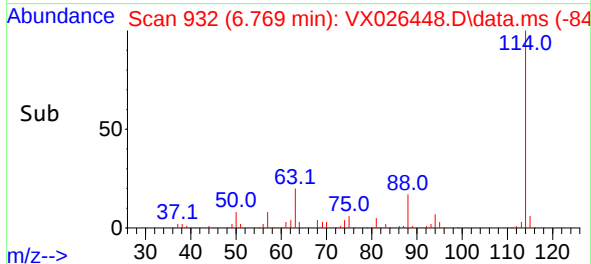
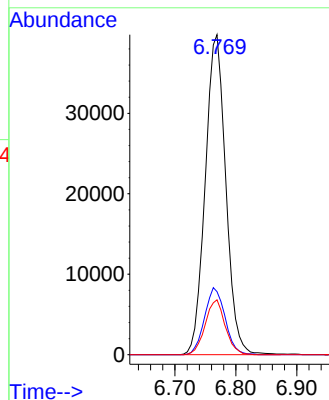
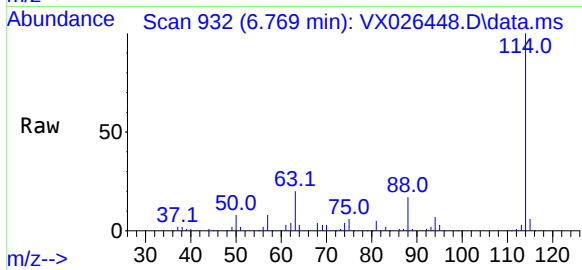
Tgt Ion:114 Resp: 93250

Ion Ratio Lower Upper

114 100

63 20.9 17.4 26.2

88 16.7 13.5 20.3



#38

Methylcyclohexane

Concen: 0.293 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. 0.439 min

Lab File: VX026448.D

Acq: 14 Jan 2022 12:15

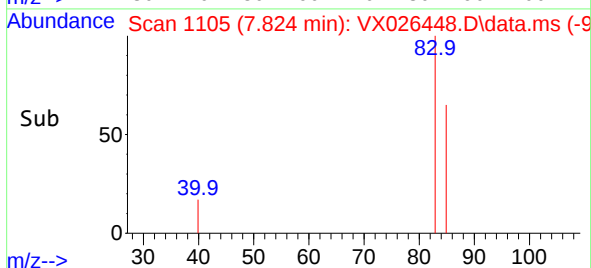
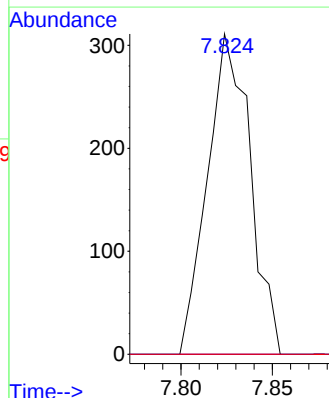
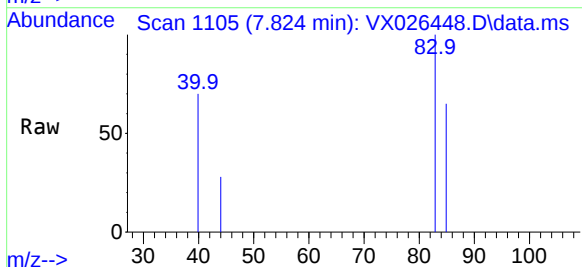
Tgt Ion: 83 Resp: 505

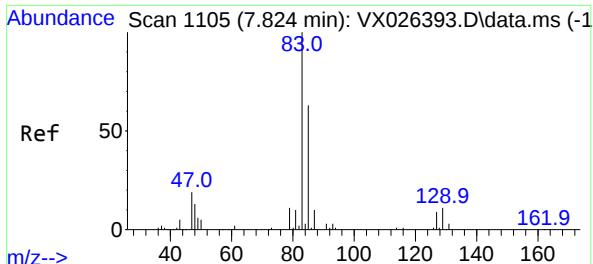
Ion Ratio Lower Upper

83 100

55 0.0 39.9 119.6#

98 0.0 24.6 73.6#

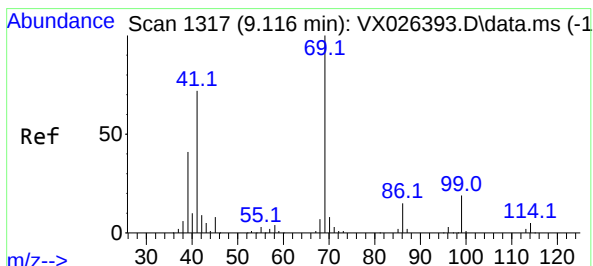
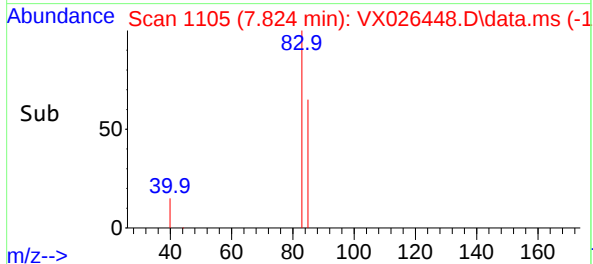
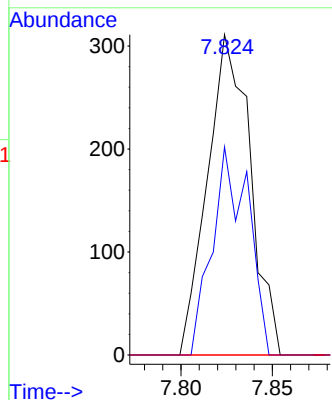
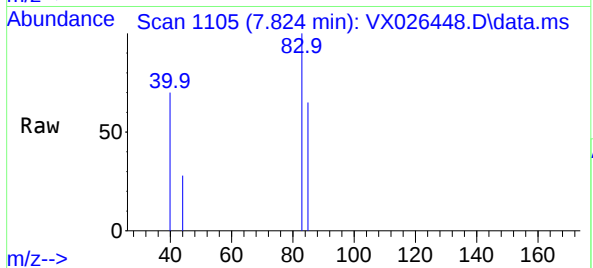




#41
Bromodichloromethane
Concen: 0.341 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VX026448.D
Acq: 14 Jan 2022 12:15

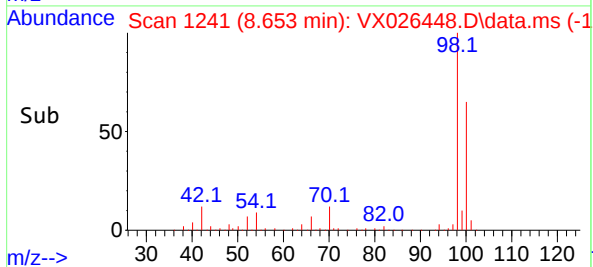
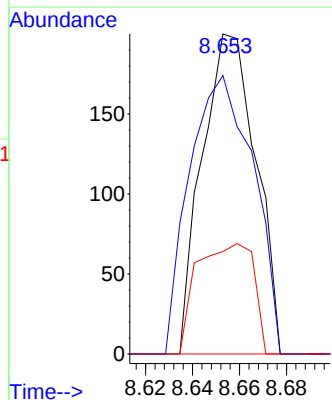
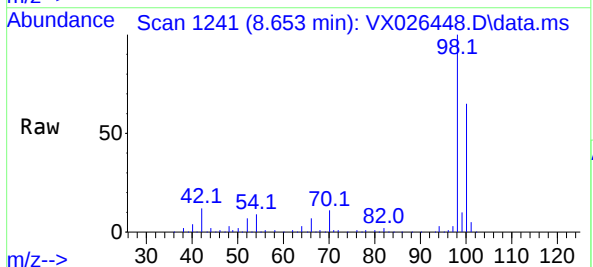
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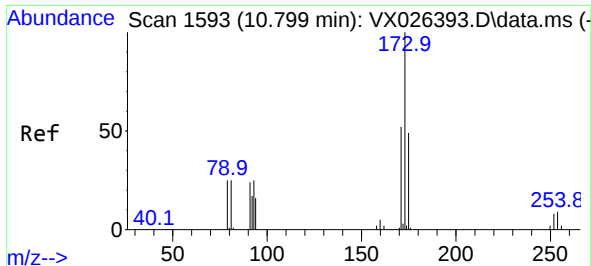
Tgt Ion: 83	Resp:	505
Ion	Ratio	Lower Upper
83	100	
85	65.0	50.6 76.0
127	0.0	7.0 10.6



#51
Ethyl methacrylate
Concen: 0.202 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.463 min
Lab File: VX026448.D
Acq: 14 Jan 2022 12:15

Tgt Ion: 69	Resp:	318
Ion	Ratio	Lower Upper
69	100	
41	87.0	35.9 107.7
39	32.0	20.3 61.0

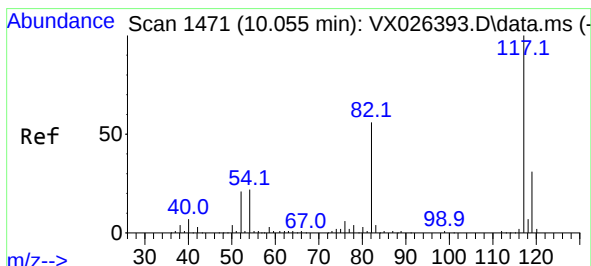
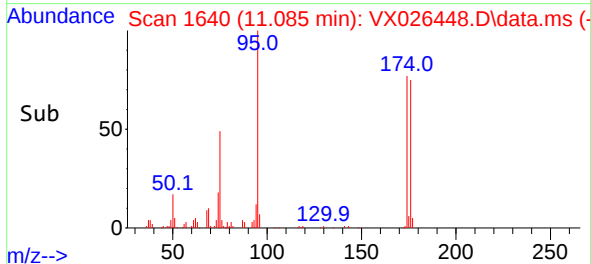
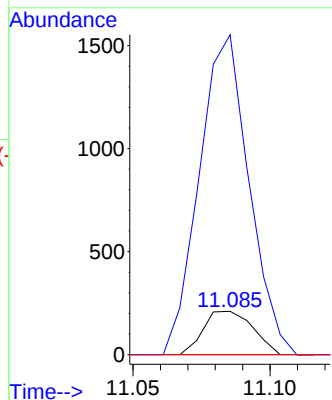
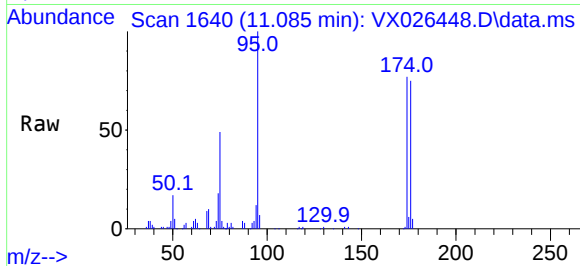




#56
Bromoform
Concen: 0.372 ug/l
RT: 11.085 min Scan# 11
Delta R.T. 0.287 min
Lab File: VX026448.D
Acq: 14 Jan 2022 12:15

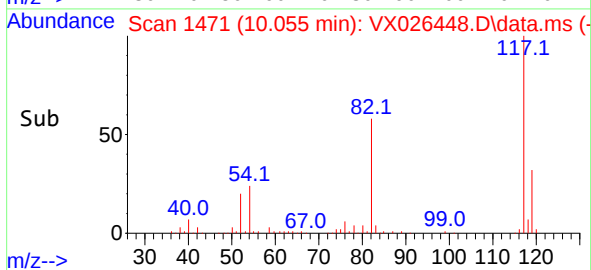
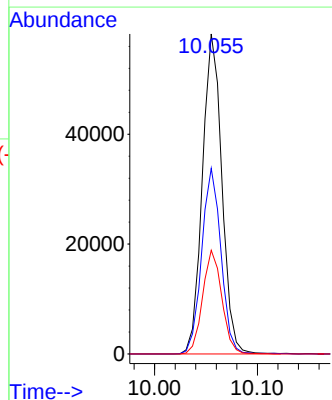
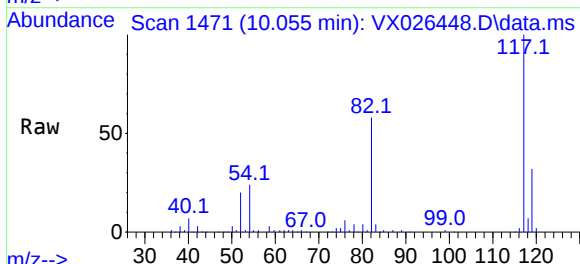
Instrument :
MSVOA_X
ClientSampleId :
220112003-05-TRIP-BLANK

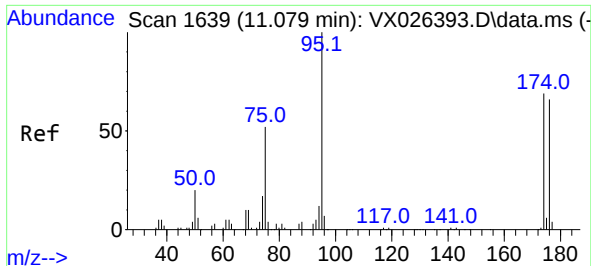
Tgt Ion:173 Resp: 265
Ion Ratio Lower Upper
173 100
175 738.9 38.0 57.0#
254 0.0 6.6 10.0#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026448.D
Acq: 14 Jan 2022 12:15

Tgt Ion:117 Resp: 77128
Ion Ratio Lower Upper
117 100
82 57.3 46.2 69.4
119 31.9 25.4 38.2

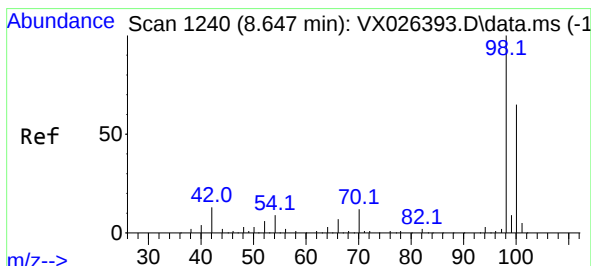
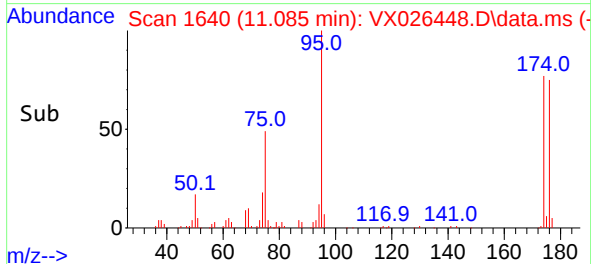
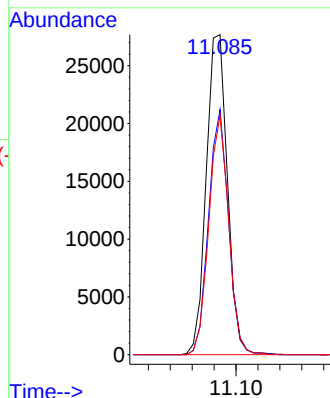
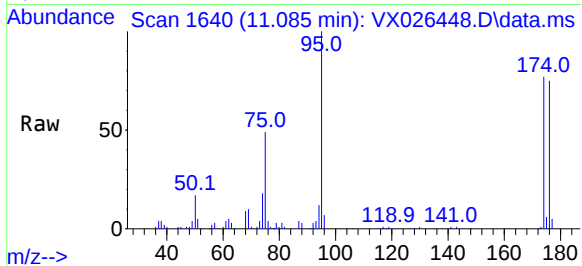




#60
4-Bromofluorobenzene
Concen: 28.787 ug/l
RT: 11.085 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX026448.D
Acq: 14 Jan 2022 12:15

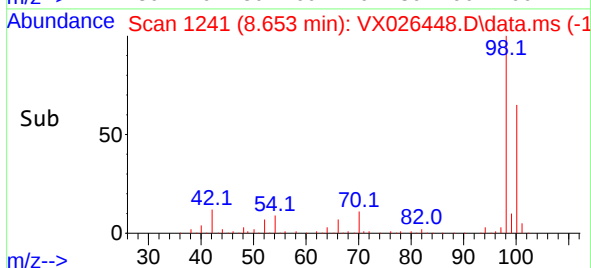
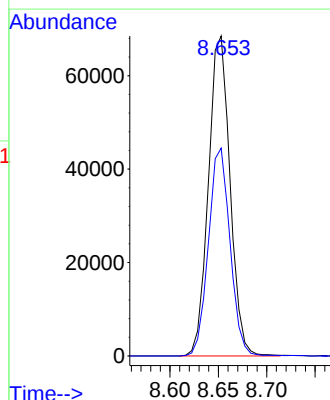
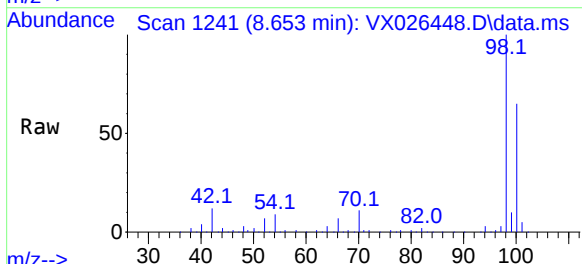
Instrument :
MSVOA_X
ClientSampleId :
220112003-05-TRIP-BLANK

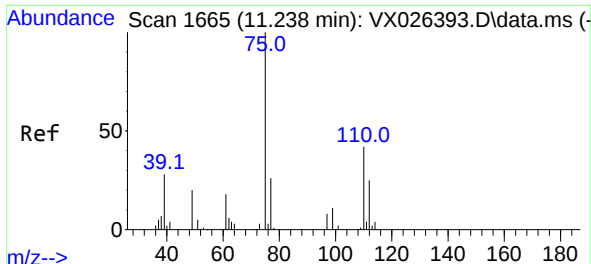
Tgt Ion: 95 Resp: 37055
Ion Ratio Lower Upper
95 100
174 72.3 58.0 87.0
176 70.2 56.5 84.7



#63
Toluene-d8
Concen: 30.104 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX026448.D
Acq: 14 Jan 2022 12:15

Tgt Ion: 98 Resp: 106664
Ion Ratio Lower Upper
98 100
100 64.8 52.5 78.7

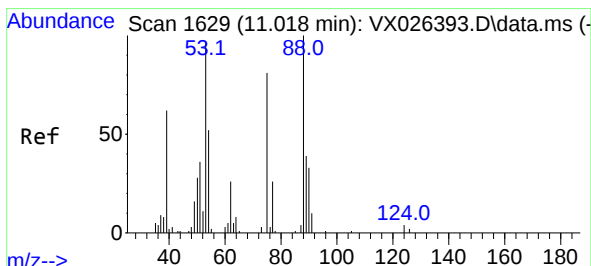
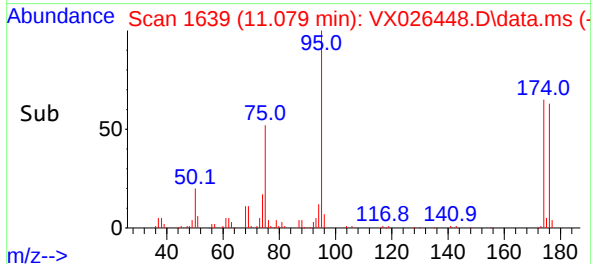
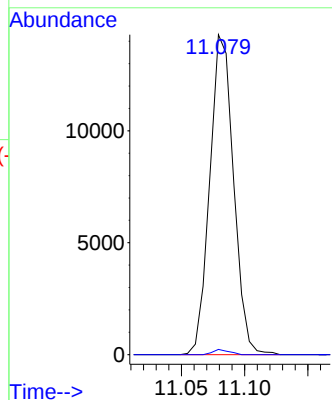
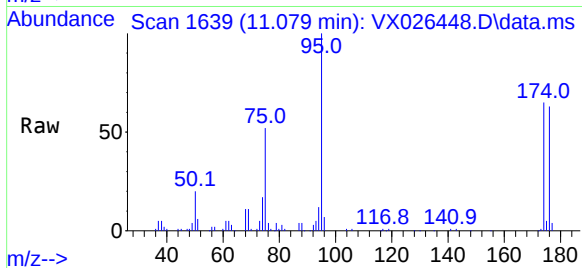




#72
1,2,3-Trichloropropane
Concen: 15.200 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX026448.D
Acq: 14 Jan 2022 12:15

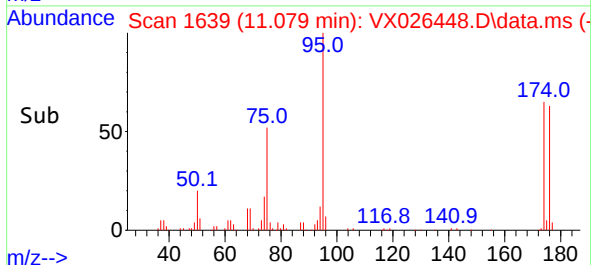
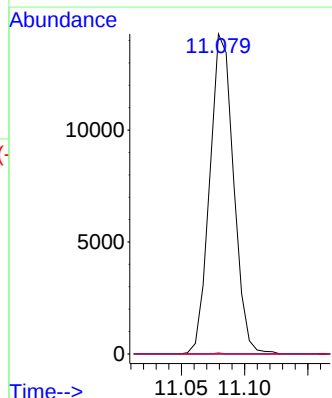
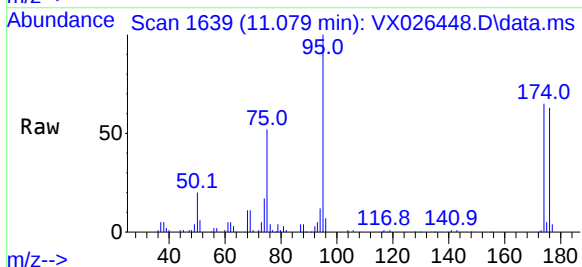
Instrument :
MSVOA_X
ClientSampleId :
220112003-05-TRIP-BLANK

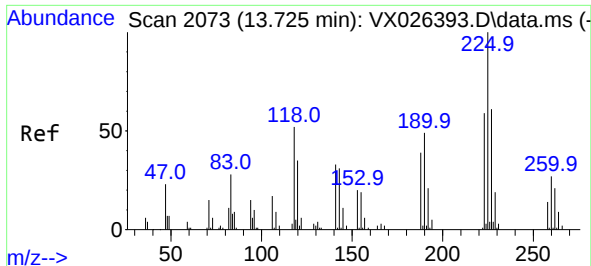
Tgt Ion: 75 Resp: 18711
Ion Ratio Lower Upper
75 100
77 1.1 0.0 76.2



#77
t-1,4-Dichloro-2-butene
Concen: 50.538 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX026448.D
Acq: 14 Jan 2022 12:15

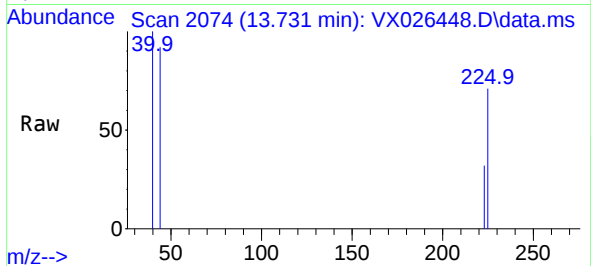
Tgt Ion: 75 Resp: 18711
Ion Ratio Lower Upper
75 100
53 0.0 59.0 176.8#
89 0.4 24.0 72.0#





#90
 Hexachlorobutadiene
 Concen: 0.240 ug/l
 RT: 13.731 min Scan# 2074
 Delta R.T. 0.006 min
 Lab File: VX026448.D
 Acq: 14 Jan 2022 12:15

Instrument :
 MSVOA_X
 ClientSampleId :
 220112003-05-TRIP-BLANK



Tgt Ion: 225 Resp: 125

Ion	Ratio	Lower	Upper
225	100		
223	33.6	0.0	121.6
227	0.0	0.0	122.8

