

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021022\
 Data File : VX026918.D
 Acq On : 10 Feb 2022 14:20
 Operator : JC/MD
 Sample : N1416-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 002-35TH-AVE(FEB)

Quant Time: Feb 11 03:41:02 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)

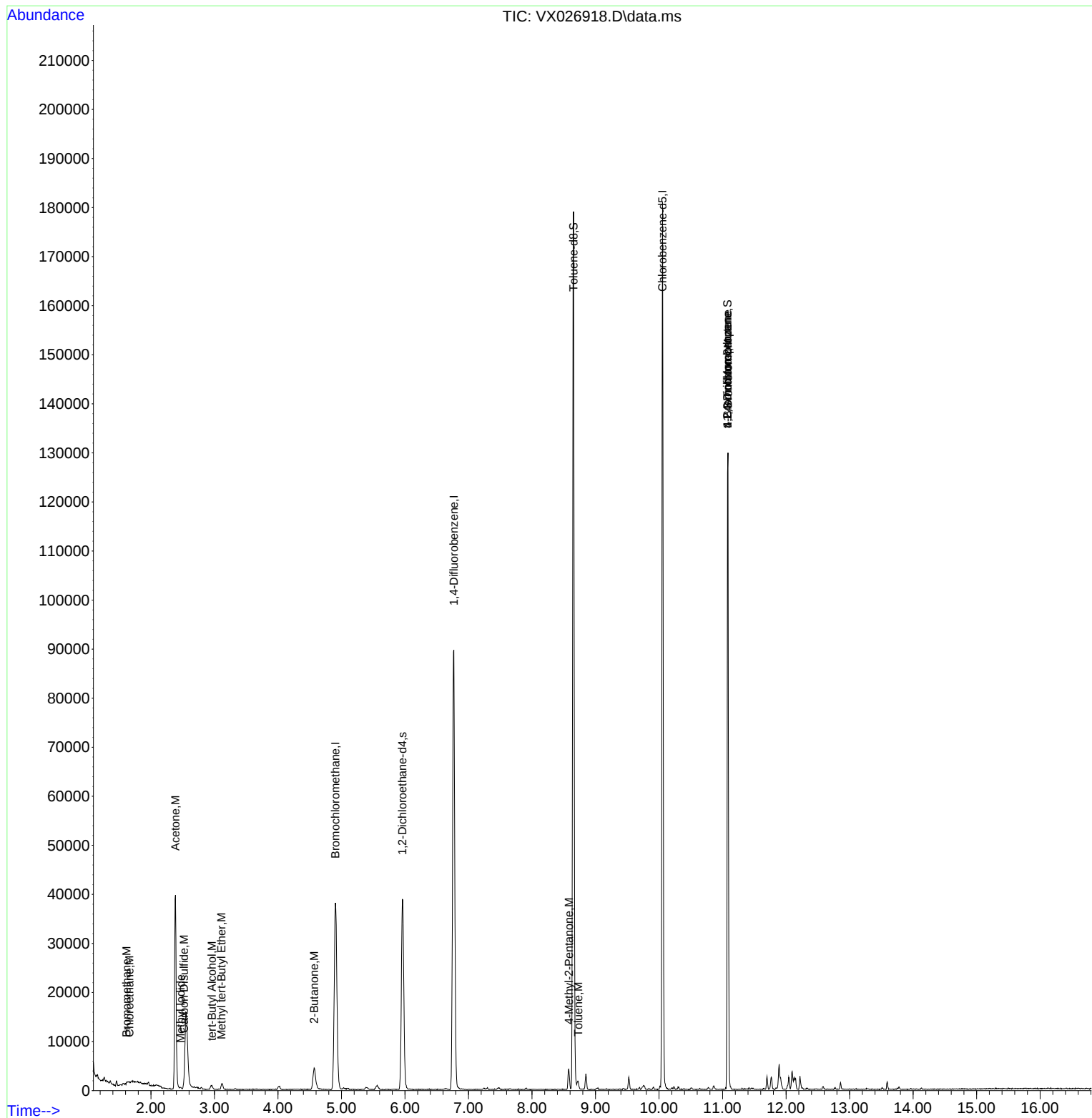
Internal Standards						
1) Bromochloromethane	4.904	128	16403	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	93097	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	79022	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	38136	28.913	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	96.367%
60) 4-Bromofluorobenzene	11.079	95	37161	28.178	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.933%
63) Toluene-d8	8.653	98	107919	29.728	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.100%
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	180	0.419	ug/l	89
6) Chloroethane	1.660	64	2165	3.999	ug/l #	41
11) Methyl Iodide	2.465	142	368	0.384	ug/l #	87
15) Acetone	2.386	58	13541	83.665	ug/l	85
16) Carbon Disulfide	2.520	76	2038	0.818	ug/l #	94
23) tert-Butyl Alcohol	2.959	59	828	4.430	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	759	0.231	ug/l #	82
30) 2-Butanone	4.568	43	7483	8.961	ug/l	99
56) Bromoform	11.085	173	254	0.357	ug/l #	1
58) 4-Methyl-2-Pentanone	8.580	43	2760	1.872	ug/l	97
62) Toluene	8.726	91	1134	0.269	ug/l	99
72) 1,2,3-Trichloropropane	11.079	75	18612	14.757	ug/l	39
77) t-1,4-Dichloro-2-butene	11.079	75	18612	49.066	ug/l #	3

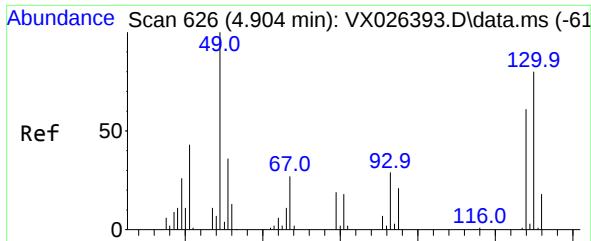
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021022\
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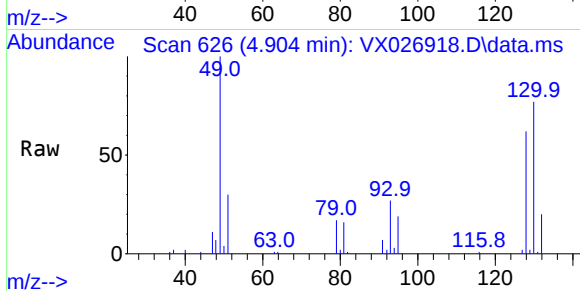
Quant Time: Feb 11 03:41:02 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011022W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Jan 10 12:50:55 2022
Response via : Initial Calibration





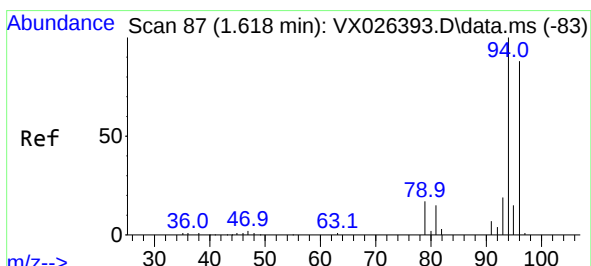
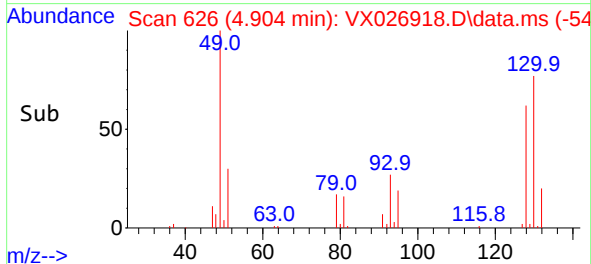
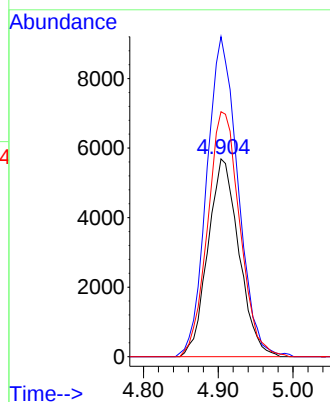
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX026918.D
Acq: 10 Feb 2022 14:20

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(FEB)



Tgt Ion:128 Resp: 16403

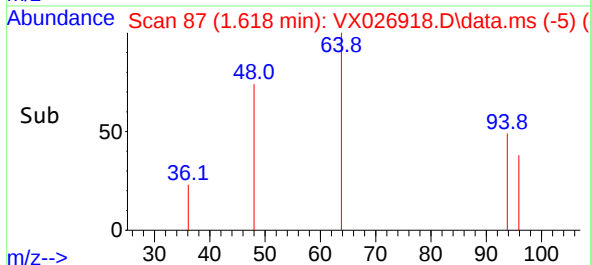
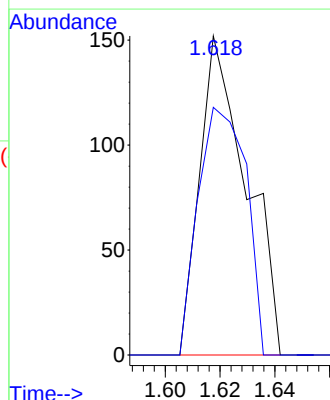
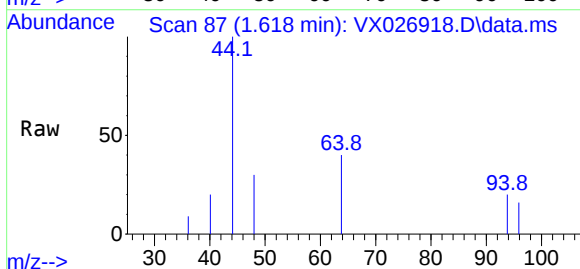
Ion	Ratio	Lower	Upper
128	100		
49	162.3	0.0	413.5
130	128.7	0.0	326.0

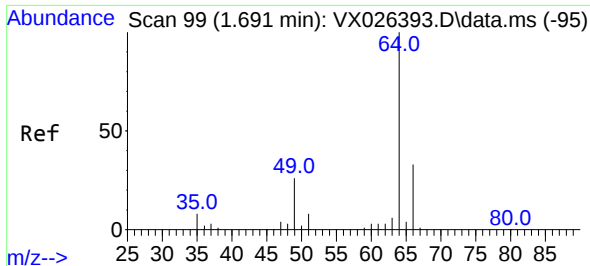


#5
Bromomethane
Concen: 0.419 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.000 min
Lab File: VX026918.D
Acq: 10 Feb 2022 14:20

Tgt Ion: 94 Resp: 180

Ion	Ratio	Lower	Upper
94	100		
96	77.6	70.3	105.5

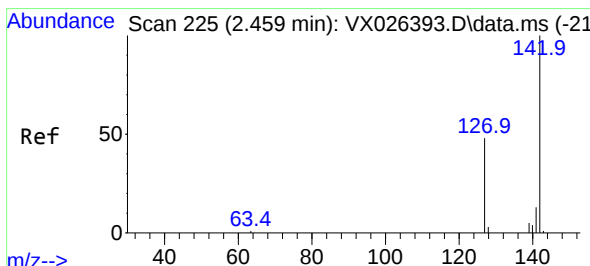
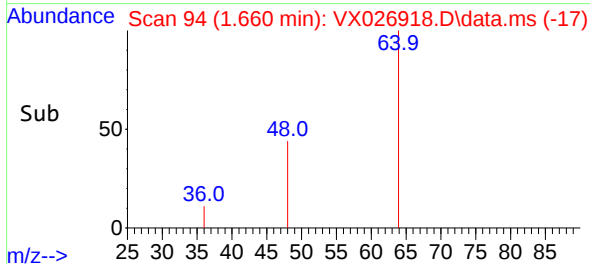
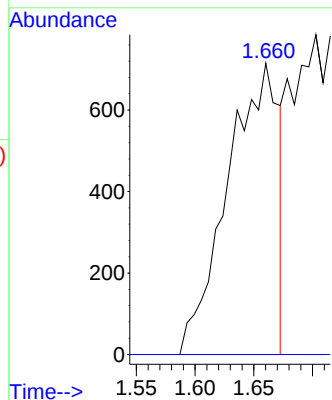
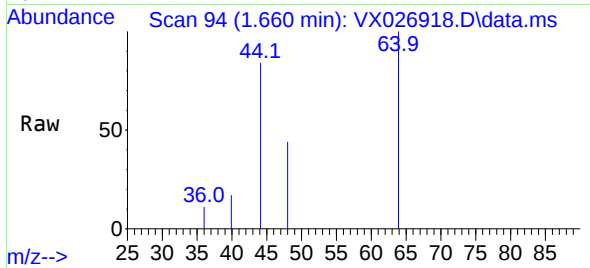




#6
Chloroethane
Concen: 3.999 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.030 min
Lab File: VX026918.D
Acq: 10 Feb 2022 14:20

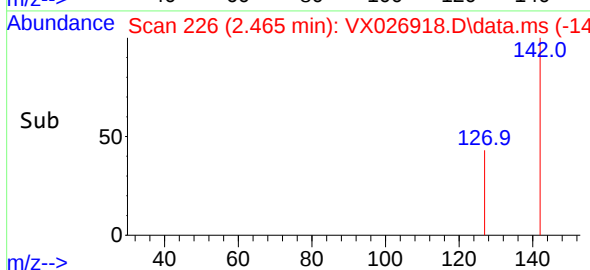
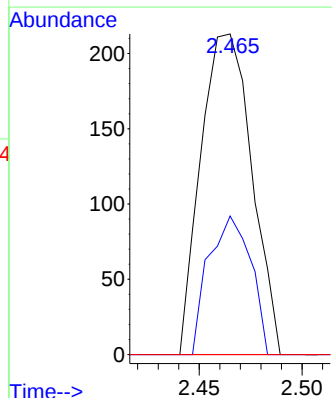
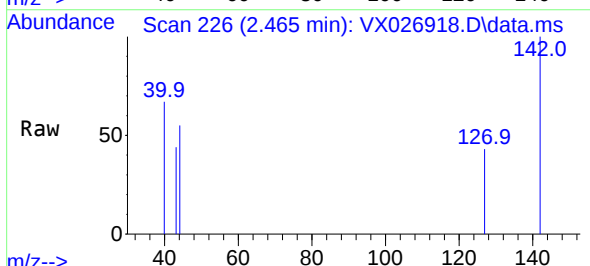
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(FEB)

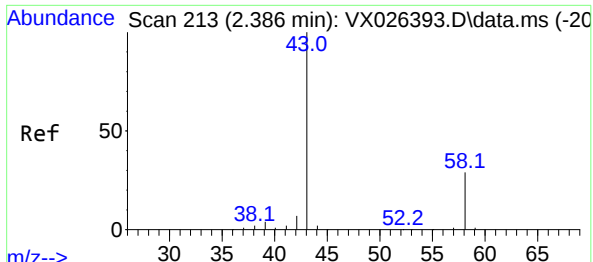
Tgt Ion: 64 Resp: 2165
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8#



#11
Methyl Iodide
Concen: 0.384 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.006 min
Lab File: VX026918.D
Acq: 10 Feb 2022 14:20

Tgt Ion: 142 Resp: 368
Ion Ratio Lower Upper
142 100
127 43.2 23.9 71.7
141 0.0 6.7 20.1#

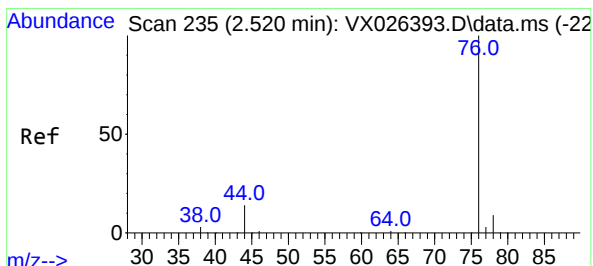
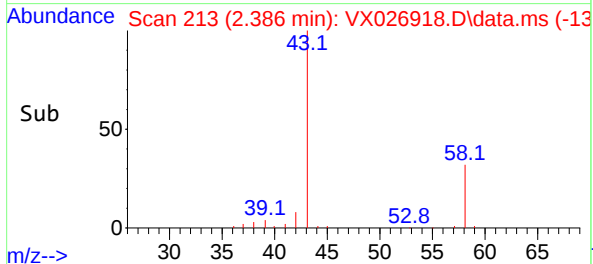
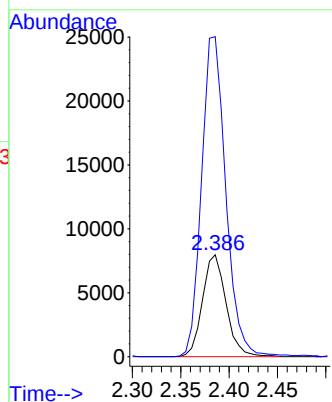
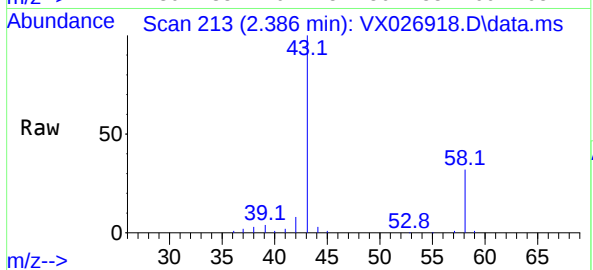




#15
Acetone
Concen: 83.665 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX026918.D
Acq: 10 Feb 2022 14:20

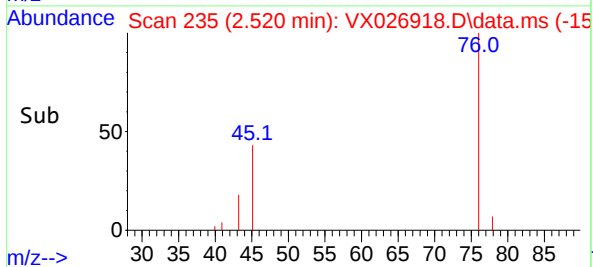
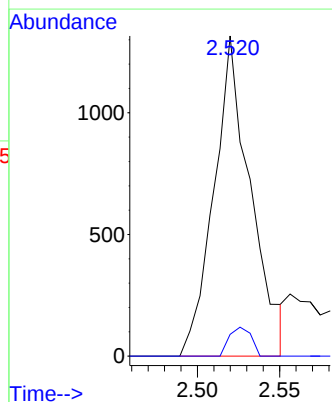
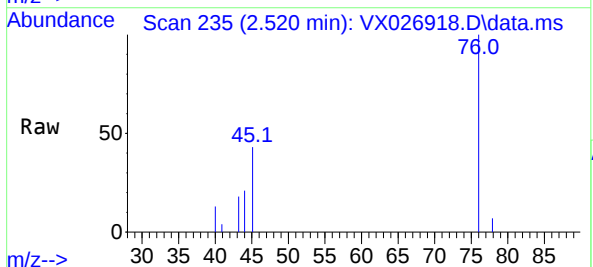
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(FEB)

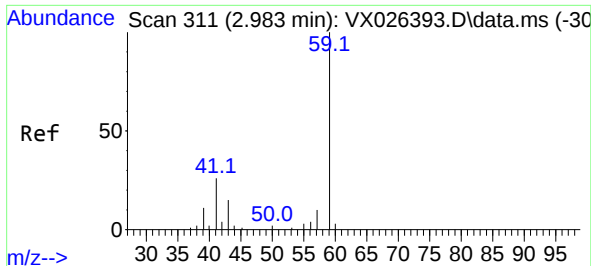
Tgt Ion: 58 Resp: 13541
Ion Ratio Lower Upper
58 100
43 313.4 276.3 414.5



#16
Carbon Disulfide
Concen: 0.818 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.000 min
Lab File: VX026918.D
Acq: 10 Feb 2022 14:20

Tgt Ion: 76 Resp: 2038
Ion Ratio Lower Upper
76 100
78 6.8 7.3 10.9#

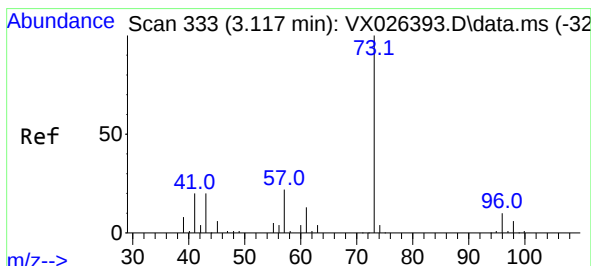
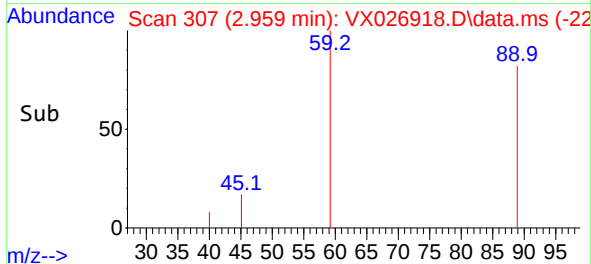
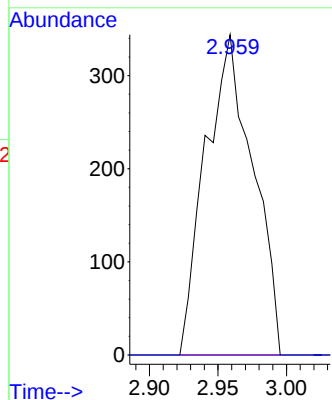
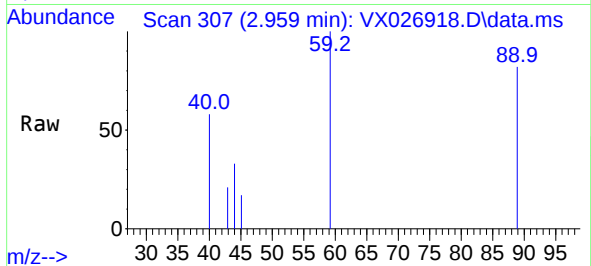




#23
tert-Butyl Alcohol
Concen: 4.430 ug/l
RT: 2.959 min Scan# 30
Delta R.T. -0.024 min
Lab File: VX026918.D
Acq: 10 Feb 2022 14:20

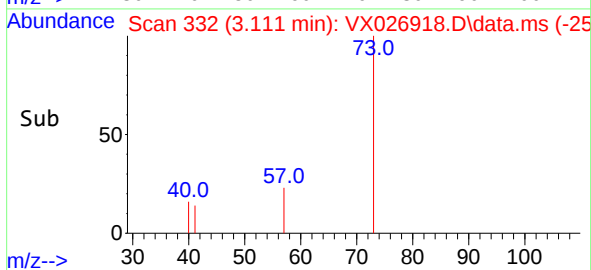
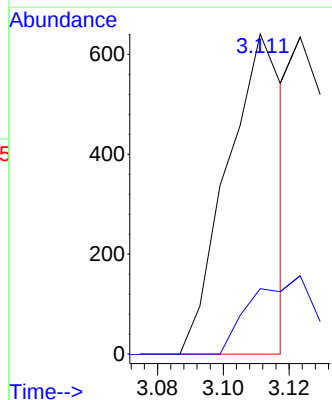
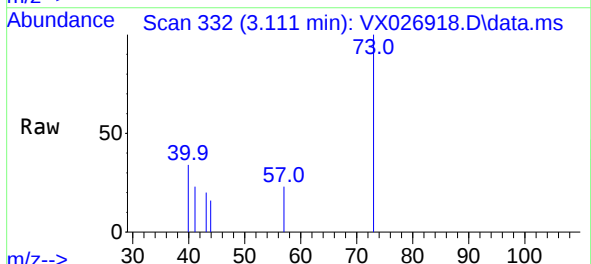
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(FEB)

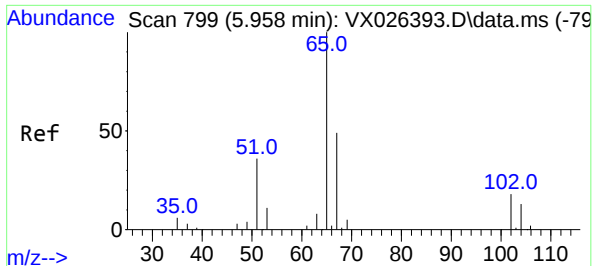
Tgt Ion: 59 Resp: 828
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#24
Methyl tert-Butyl Ether
Concen: 0.231 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.006 min
Lab File: VX026918.D
Acq: 10 Feb 2022 14:20

Tgt Ion: 73 Resp: 759
Ion Ratio Lower Upper
73 100
43 29.8 17.1 25.7#

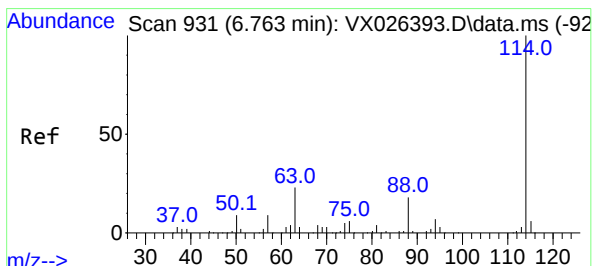
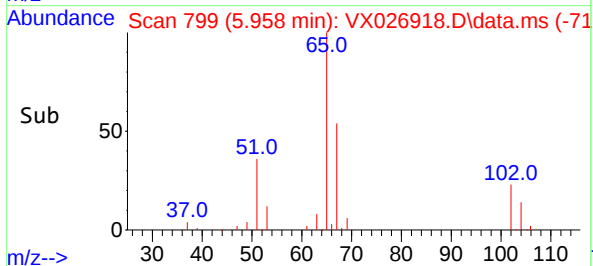
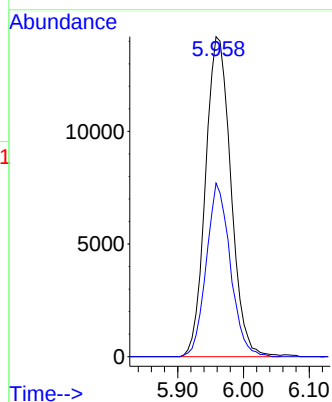
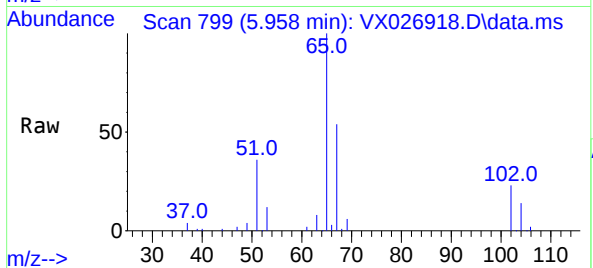




#27
 1,2-Dichloroethane-d4
 Concen: 28.913 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX026918.D
 Acq: 10 Feb 2022 14:20

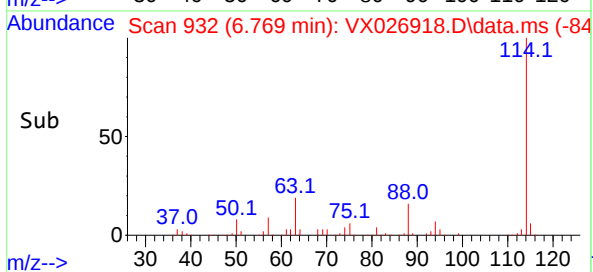
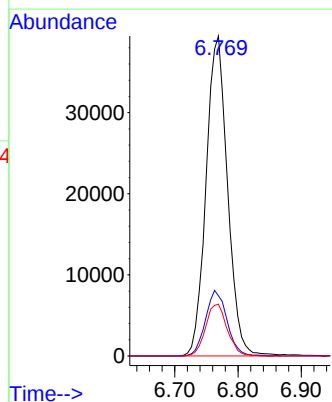
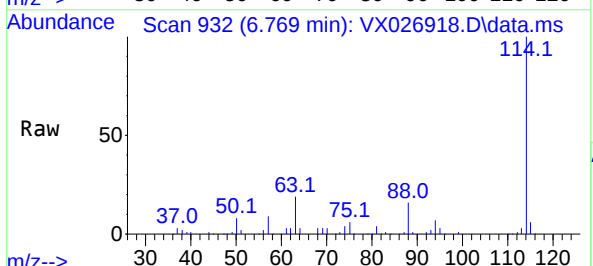
Instrument :
 MSVOA_X
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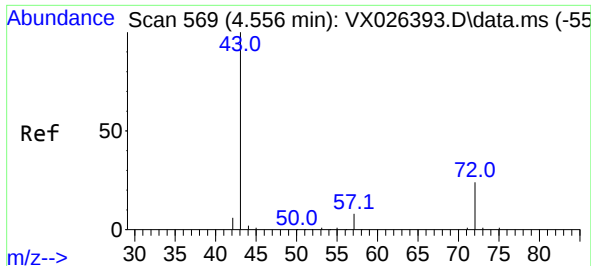
Tgt Ion: 65 Resp: 38136
 Ion Ratio Lower Upper
 65 100
 67 51.4 39.6 59.4



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.006 min
 Lab File: VX026918.D
 Acq: 10 Feb 2022 14:20

Tgt Ion: 114 Resp: 93097
 Ion Ratio Lower Upper
 114 100
 63 20.4 17.4 26.2
 88 16.2 13.5 20.3





#30

2-Butanone

Concen: 8.961 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX026918.D

Acq: 10 Feb 2022 14:20

Instrument :

MSVOA_X

ClientSampleId :

002-35TH-AVE(FEB)

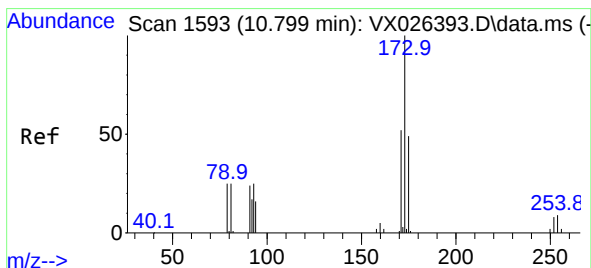
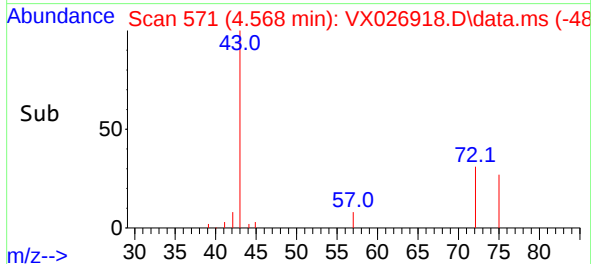
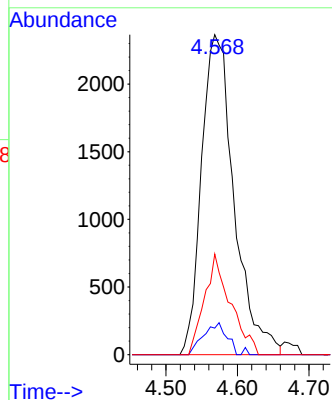
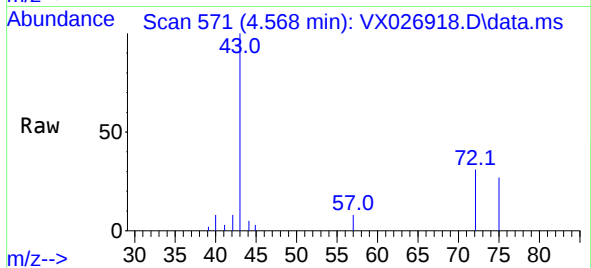
Tgt Ion: 43 Resp: 7483

Ion Ratio Lower Upper

43 100

57 7.1 6.3 9.5

72 25.1 19.8 29.6



#56

Bromoform

Concen: 0.357 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.287 min

Lab File: VX026918.D

Acq: 10 Feb 2022 14:20

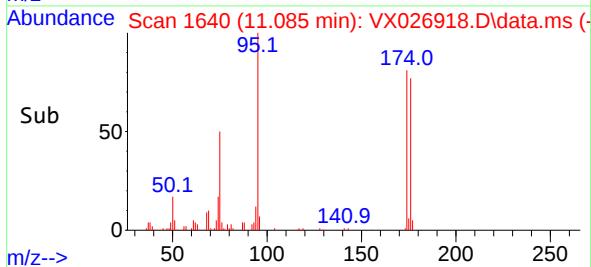
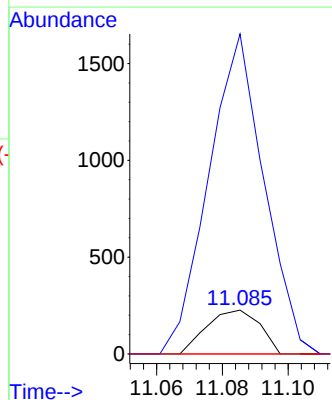
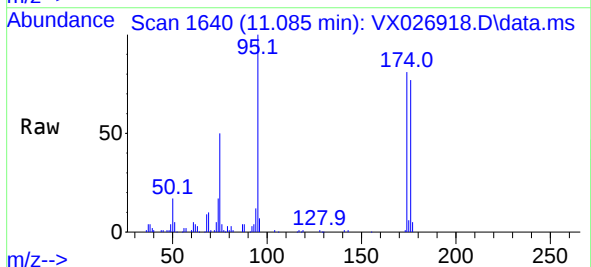
Tgt Ion:173 Resp: 254

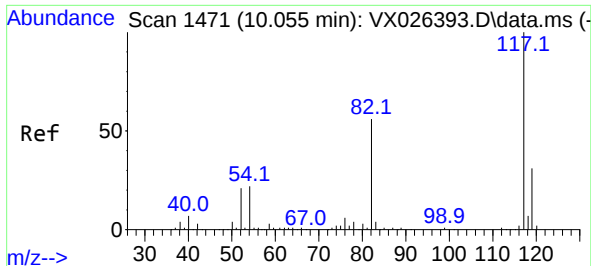
Ion Ratio Lower Upper

173 100

175 761.4 38.0 57.0#

254 0.0 6.6 10.0#

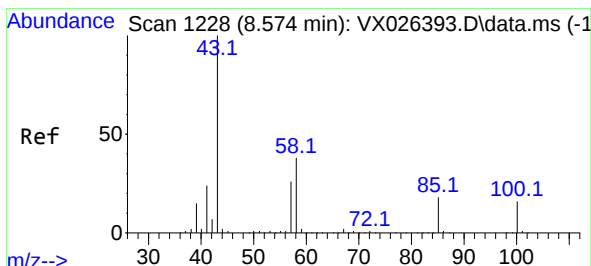
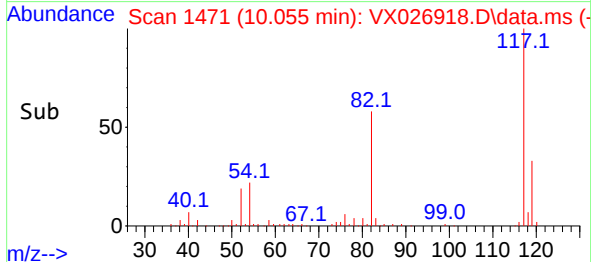
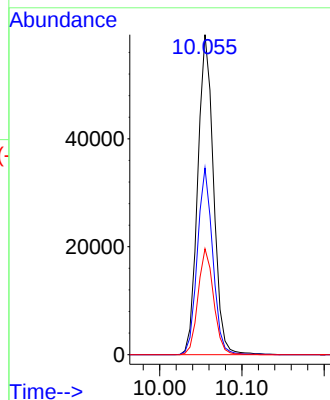
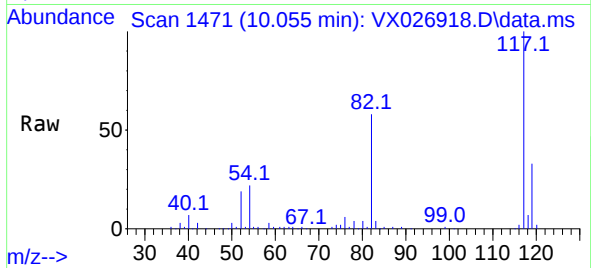




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026918.D
Acq: 10 Feb 2022 14:20

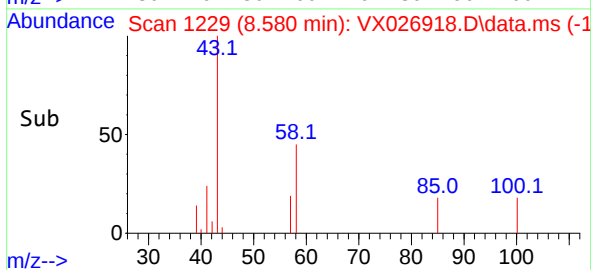
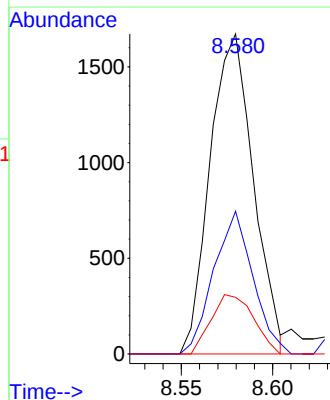
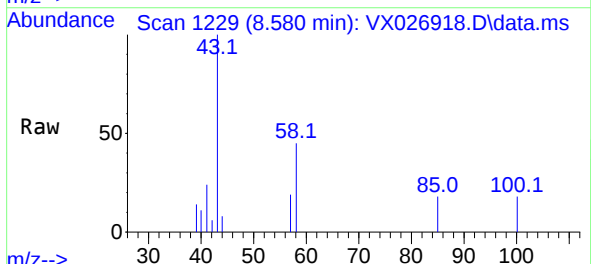
Instrument :
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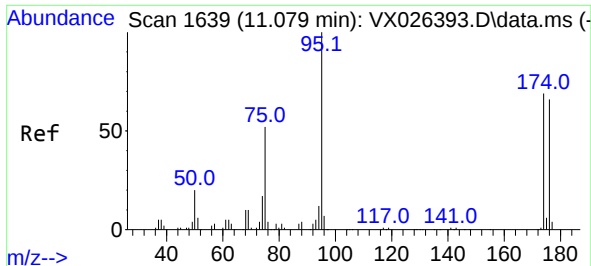
Tgt Ion:117 Resp: 79022
Ion Ratio Lower Upper
117 100
82 56.9 46.2 69.4
119 32.7 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 1.872 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX026918.D
Acq: 10 Feb 2022 14:20

Tgt Ion: 43 Resp: 2760
Ion Ratio Lower Upper
43 100
58 40.4 30.2 45.4
85 18.1 14.1 21.1

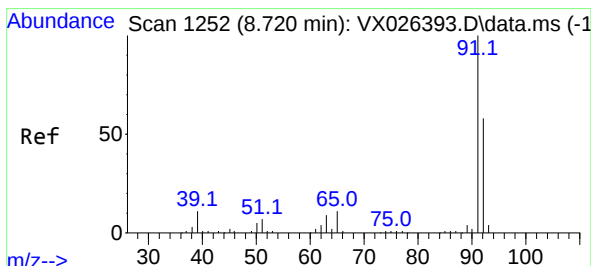
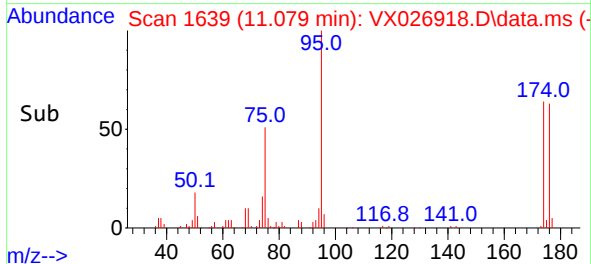
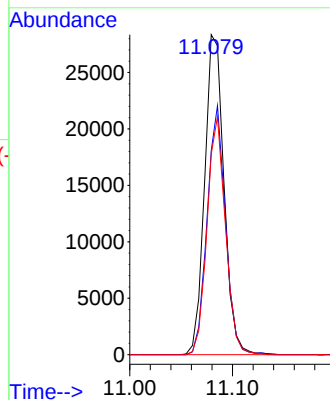
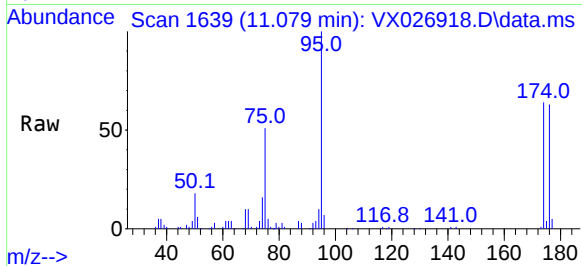




#60
4-Bromofluorobenzene
Concen: 28.178 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026918.D
Acq: 10 Feb 2022 14:20

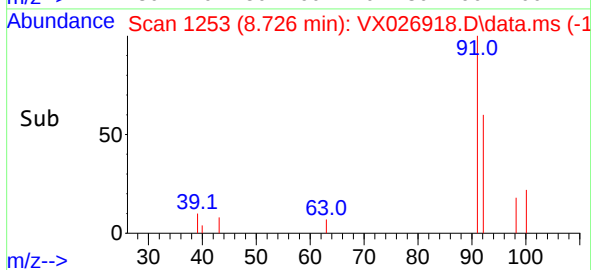
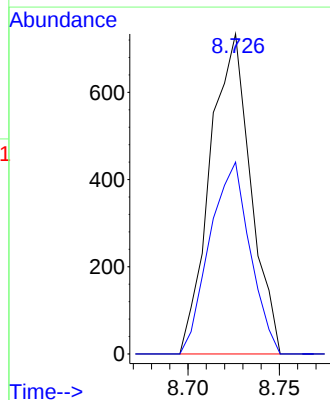
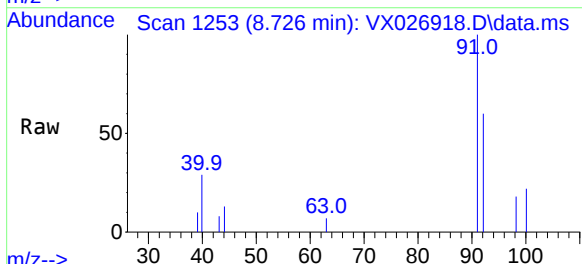
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(FEB)

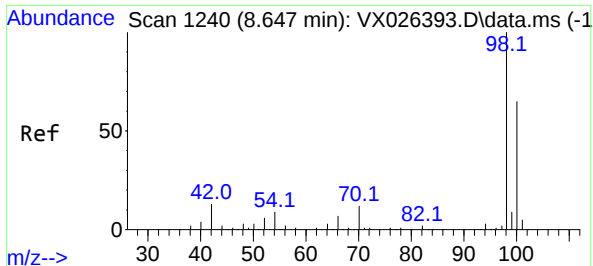
Tgt Ion: 95 Resp: 37161
Ion Ratio Lower Upper
95 100
174 73.7 58.0 87.0
176 70.3 56.5 84.7



#62
Toluene
Concen: 0.269 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX026918.D
Acq: 10 Feb 2022 14:20

Tgt Ion: 91 Resp: 1134
Ion Ratio Lower Upper
91 100
92 59.6 47.2 70.8

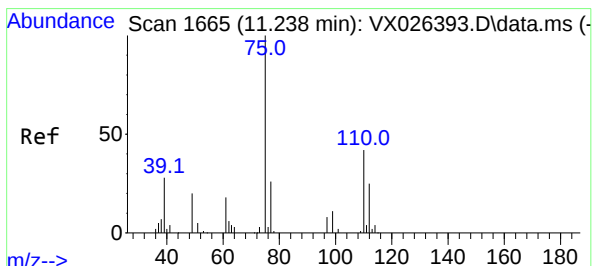
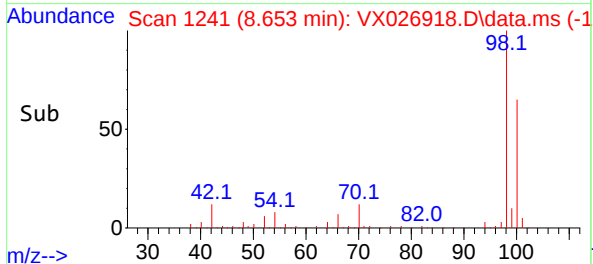
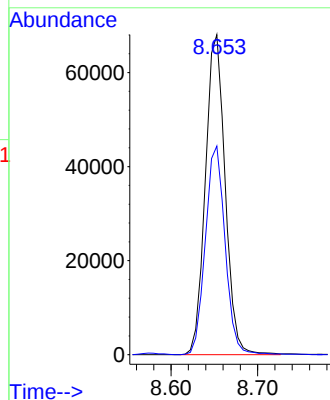
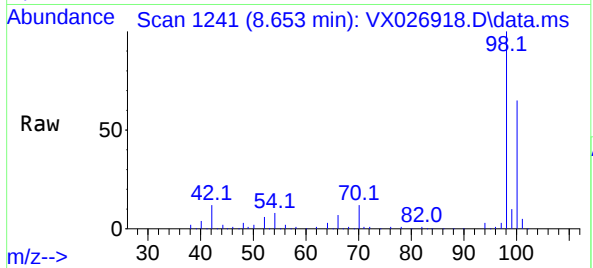




#63
Toluene-d8
Concen: 29.728 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX026918.D
Acq: 10 Feb 2022 14:20

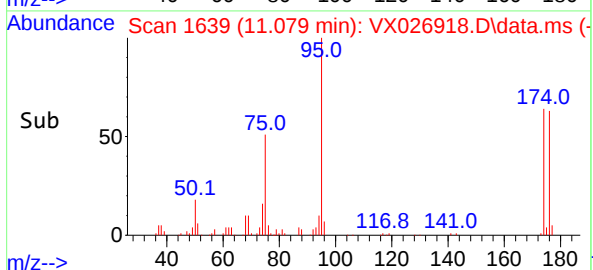
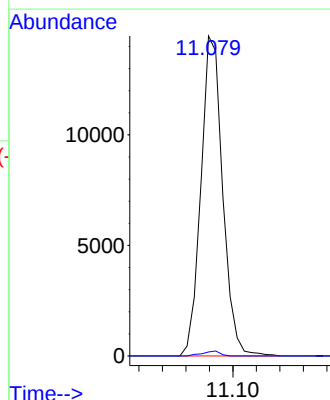
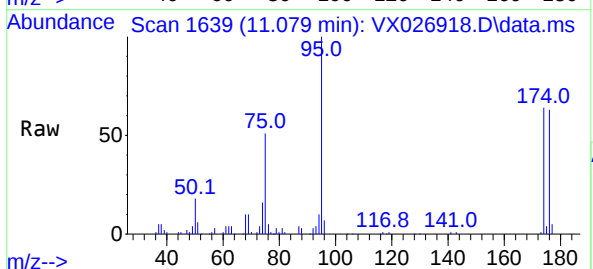
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(FEB)

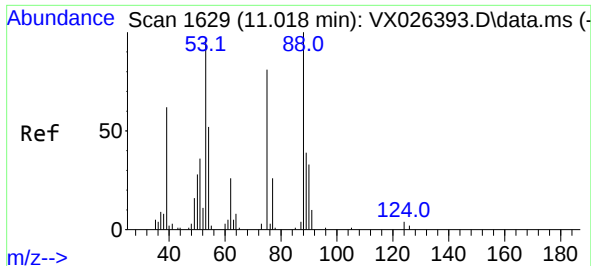
Tgt Ion: 98 Resp: 107919
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7



#72
1,2,3-Trichloropropane
Concen: 14.757 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX026918.D
Acq: 10 Feb 2022 14:20

Tgt Ion: 75 Resp: 18612
Ion Ratio Lower Upper
75 100
77 1.3 0.0 76.2





#77
 t-1,4-Dichloro-2-butene
 Concen: 49.066 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX026918.D
 Acq: 10 Feb 2022 14:20

Instrument :
 MSVOA_X
 ClientSampleId :
 002-35TH-AVE(FEB)

Tgt Ion: 75 Resp: 18612
 Ion Ratio Lower Upper
 75 100
 53 0.0 59.0 176.8#
 89 0.0 24.0 72.0#

