

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051122\
 Data File : VX028616.D
 Acq On : 11 May 2022 12:40
 Operator : JC/MD
 Sample : N2778-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-043-IDWGW-20220509

Quant Time: May 12 04:54:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X042822W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 29 06:09:36 2022
 Response via : Initial Calibration

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

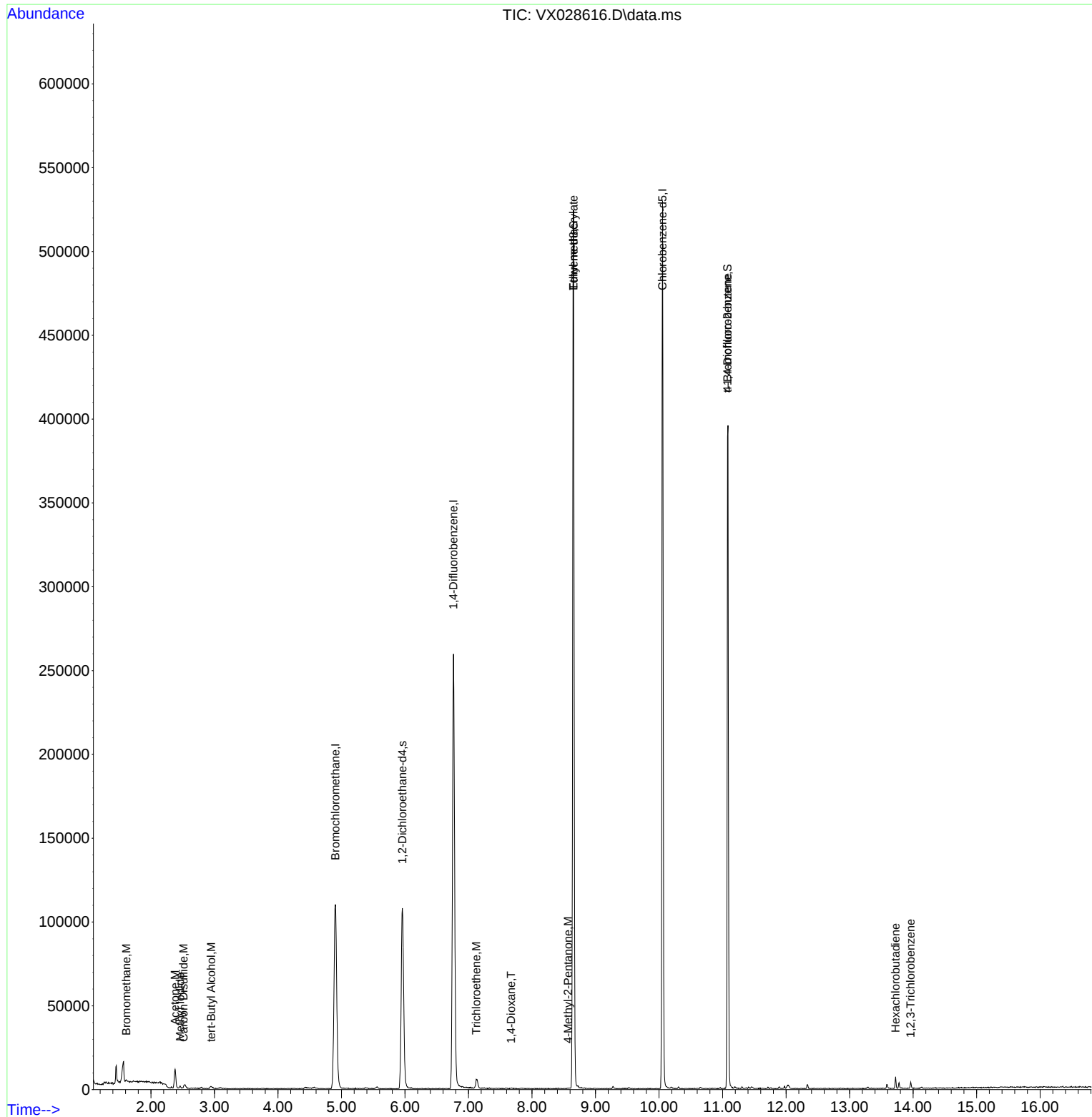
Internal Standards						
1) Bromochloromethane	4.904	128	51279	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	274382	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	245166	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	102296	31.368	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.567%
60) 4-Bromofluorobenzene	11.079	95	104371	27.375	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.233%
63) Toluene-d8	8.653	98	316595	30.483	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.600%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	766	0.511	ug/l	84
11) Methyl Iodide	2.459	142	1195	0.460	ug/l	84
15) Acetone	2.380	58	4071	10.230	ug/l	92
16) Carbon Disulfide	2.514	76	805	0.352	ug/l #	81
23) tert-Butyl Alcohol	2.947	59	935	1.232	ug/l #	100
37) Trichloroethene	7.123	130	1536	0.539	ug/l	92
45) 1,4-Dioxane	7.671	88	156	2.159	ug/l #	41
51) Ethyl methacrylate	8.653	69	1160	0.275	ug/l	85
58) 4-Methyl-2-Pentanone	8.568	43	766	0.215	ug/l #	43
77) t-1,4-Dichloro-2-butene	11.079	75	53527	44.038	ug/l #	3
90) Hexachlorobutadiene	13.725	225	998	0.557	ug/l	94
92) 1,2,3-Trichlorobenzene	13.963	180	995	0.235	ug/l	94

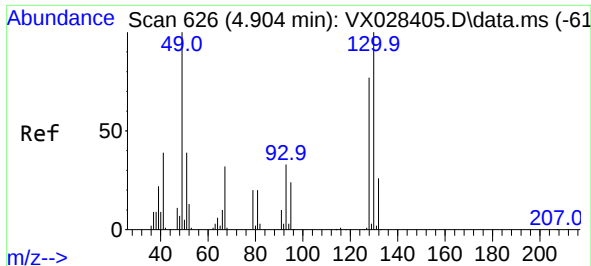
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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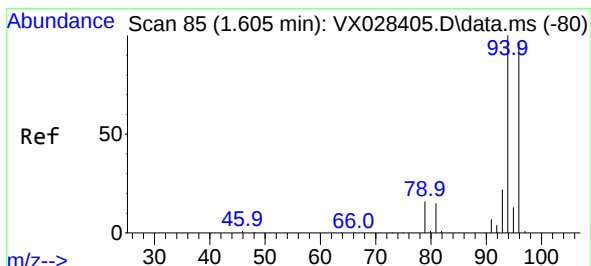
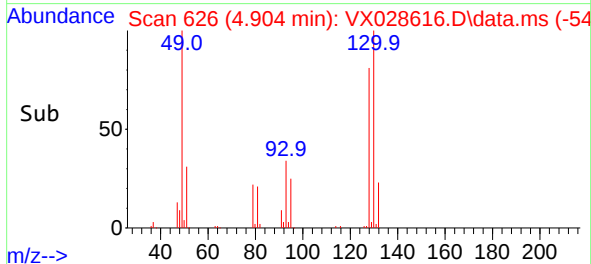
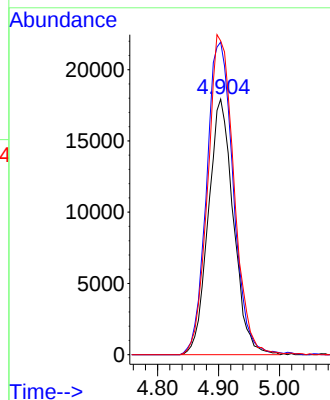
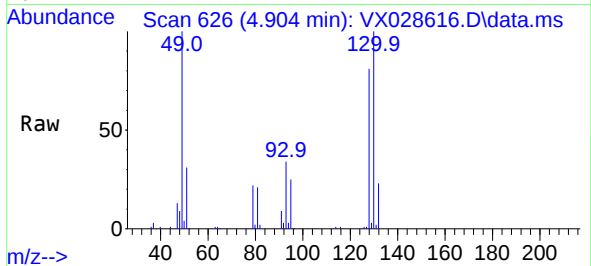




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX028616.D
Acq: 11 May 2022 12:40

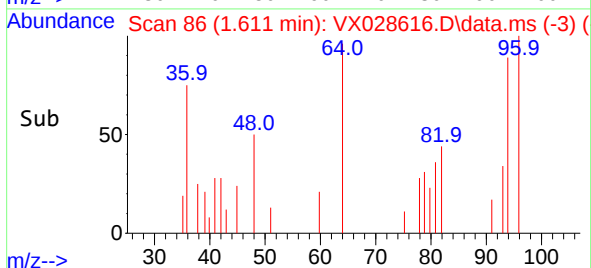
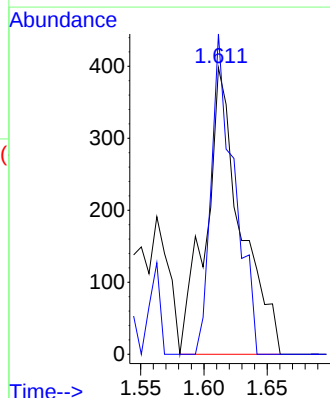
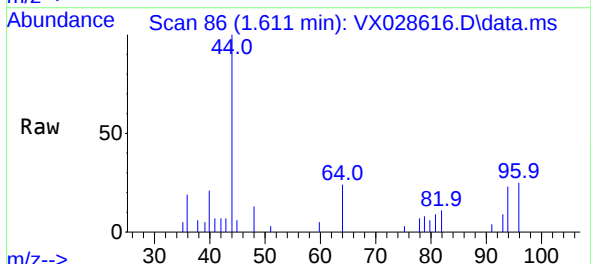
Instrument :
MSVOA_X
ClientSampleId :
TT-043-IDWGW-20220509

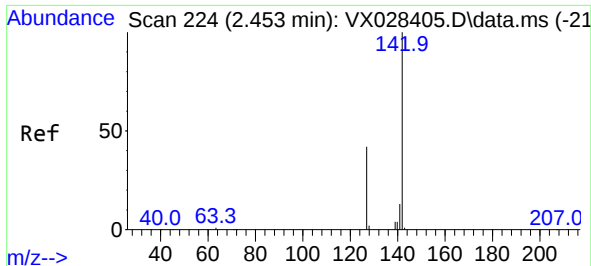
Tgt Ion:	128	Resp:	51279
Ion	Ratio	Lower	Upper
128	100		
49	130.4	0.0	358.3
130	131.0	0.0	319.3



#5
Bromomethane
Concen: 0.511 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.006 min
Lab File: VX028616.D
Acq: 11 May 2022 12:40

Tgt Ion:	94	Resp:	766
Ion	Ratio	Lower	Upper
94	100		
96	111.8	77.0	115.6

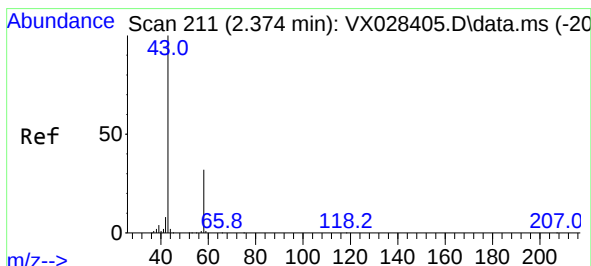
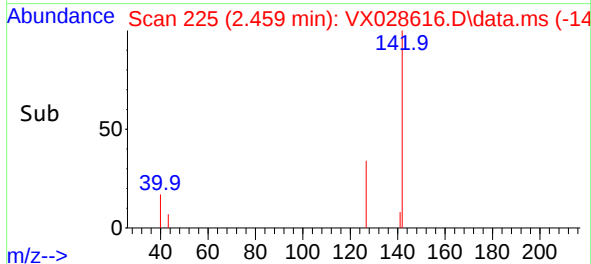
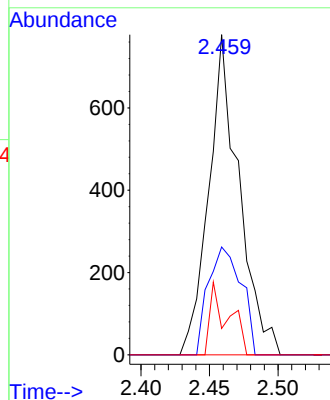
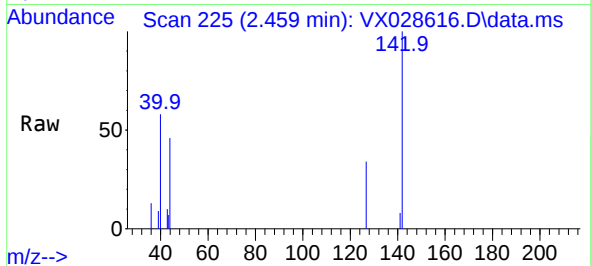




#11
Methyl Iodide
Concen: 0.460 ug/l
RT: 2.459 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX028616.D
Acq: 11 May 2022 12:40

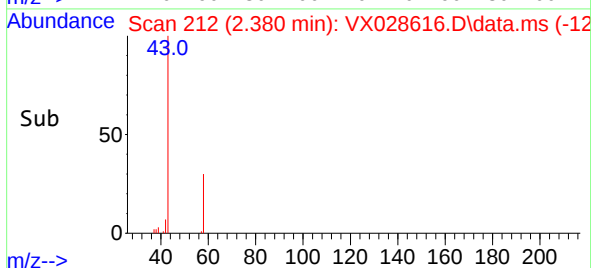
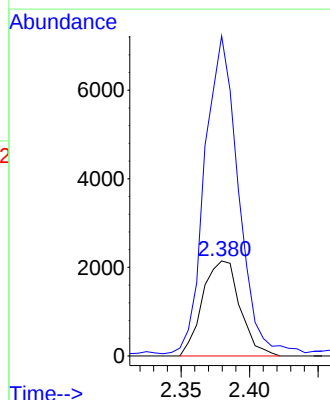
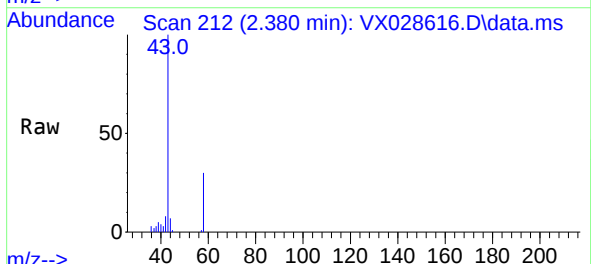
Instrument :
MSVOA_X
ClientSampleId :
TT-043-IDWGW-20220509

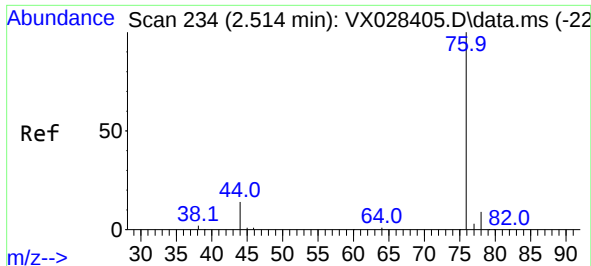
Tgt Ion:142 Resp: 1195
Ion Ratio Lower Upper
142 100
127 33.7 22.3 66.9
141 8.2 7.0 20.9



#15
Acetone
Concen: 10.230 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX028616.D
Acq: 11 May 2022 12:40

Tgt Ion: 58 Resp: 4071
Ion Ratio Lower Upper
58 100
43 328.7 250.2 375.2

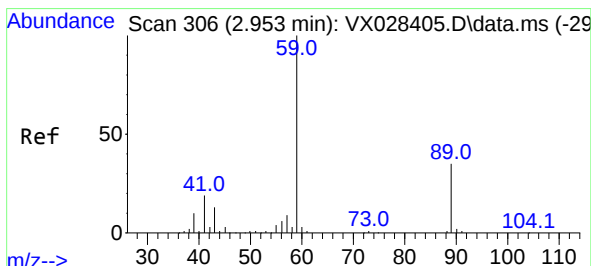
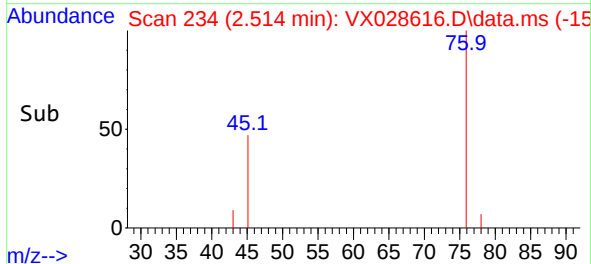
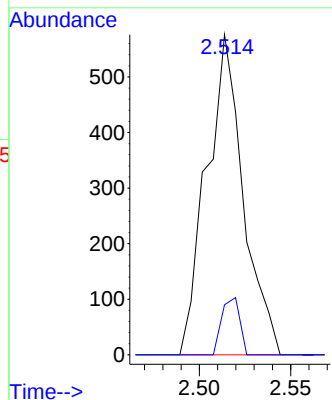
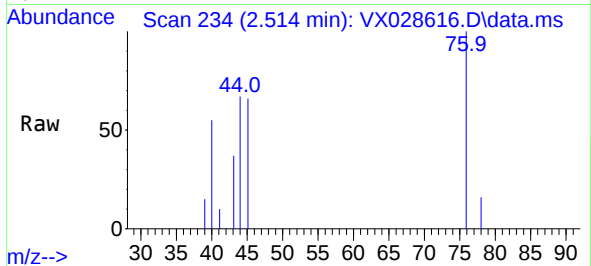




#16
Carbon Disulfide
Concen: 0.352 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX028616.D
Acq: 11 May 2022 12:40

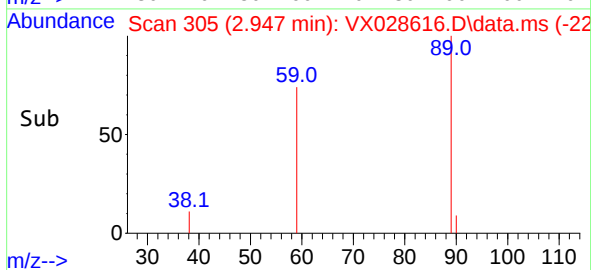
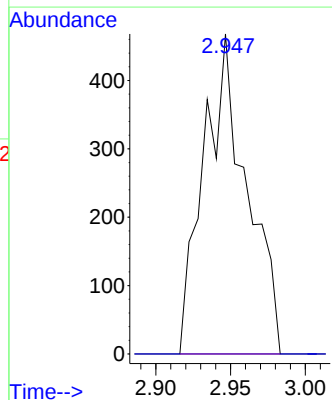
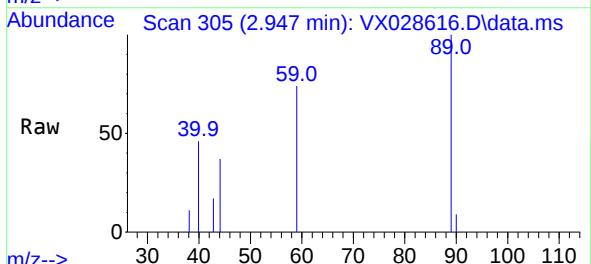
Instrument :
MSVOA_X
ClientSampleId :
TT-043-IDWGW-20220509

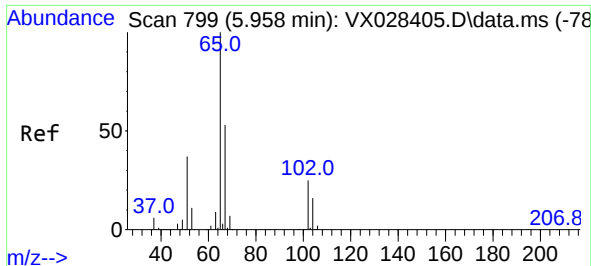
Tgt Ion: 76 Resp: 805
Ion Ratio Lower Upper
76 100
78 15.6 7.1 10.7#



#23
tert-Butyl Alcohol
Concen: 1.232 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.006 min
Lab File: VX028616.D
Acq: 11 May 2022 12:40

Tgt Ion: 59 Resp: 935
Ion Ratio Lower Upper
59 100
52 10.1 0.0 0.0#





#27

1,2-Dichloroethane-d4

Concen: 31.368 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX028616.D

Acq: 11 May 2022 12:40

Instrument :

MSVOA_X

ClientSampleId :

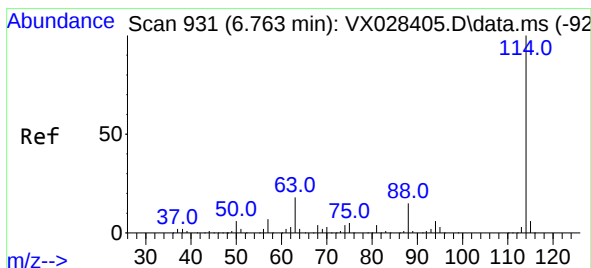
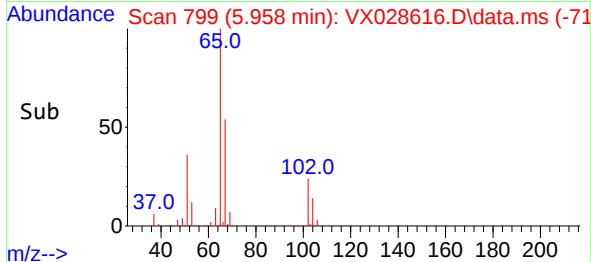
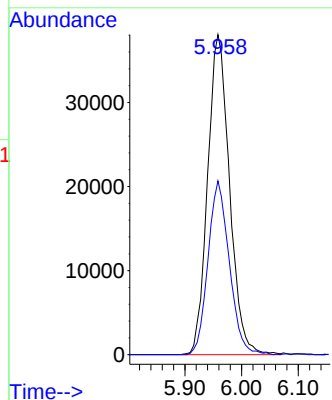
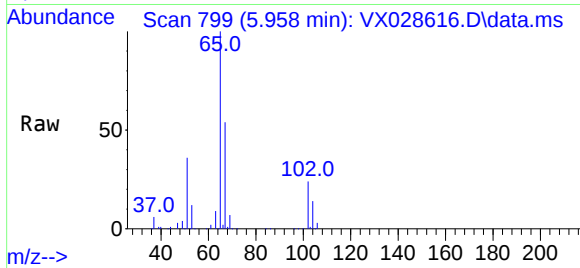
TT-043-IDWGW-20220509

Tgt Ion: 65 Resp: 102296

Ion Ratio Lower Upper

65 100

67 52.7 42.3 63.5



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX028616.D

Acq: 11 May 2022 12:40

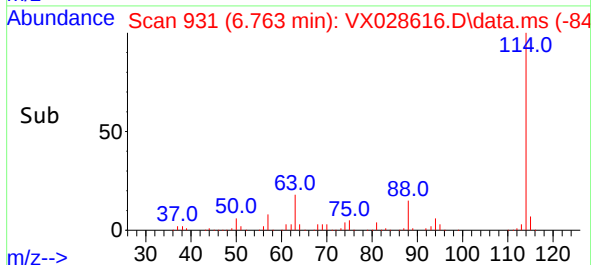
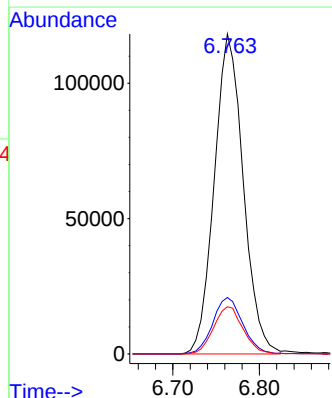
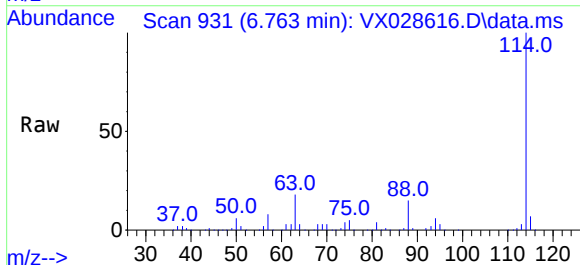
Tgt Ion: 114 Resp: 274382

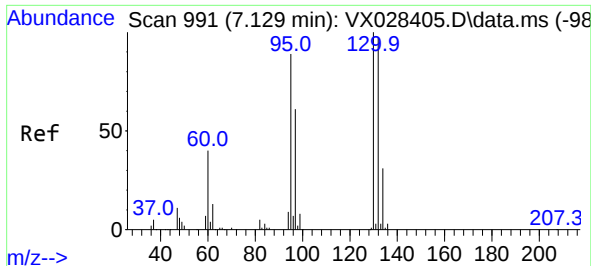
Ion Ratio Lower Upper

114 100

63 18.3 15.3 22.9

88 15.0 12.2 18.4





#37

Trichloroethene

Concen: 0.539 ug/l

RT: 7.123 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX028616.D

Acq: 11 May 2022 12:40

Instrument :

MSVOA_X

ClientSampleId :

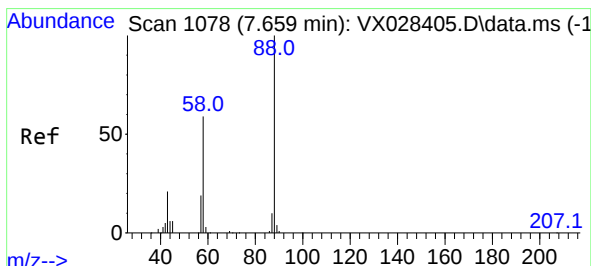
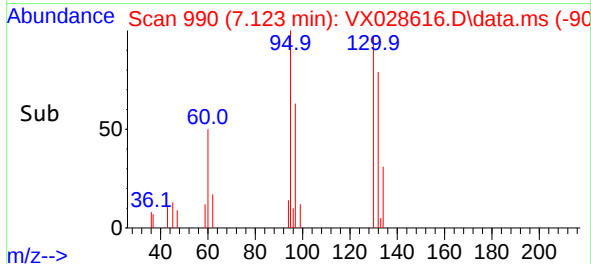
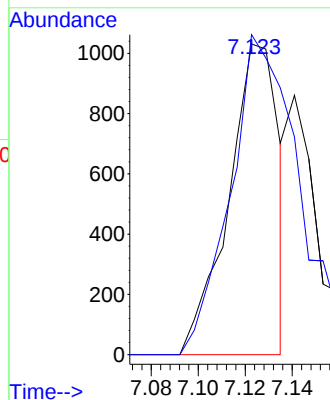
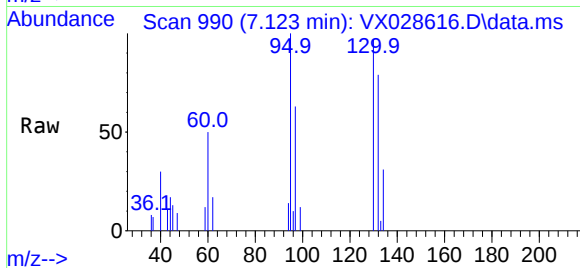
TT-043-IDWGW-20220509

Tgt Ion:130 Resp: 1536

Ion Ratio Lower Upper

130 100

95 103.0 76.5 114.7



#45

1,4-Dioxane

Concen: 2.159 ug/l

RT: 7.671 min Scan# 1080

Delta R.T. 0.012 min

Lab File: VX028616.D

Acq: 11 May 2022 12:40

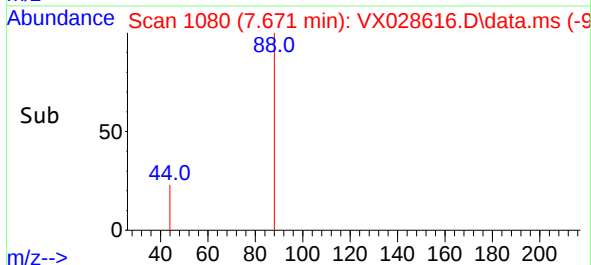
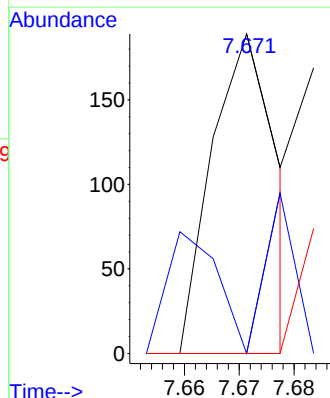
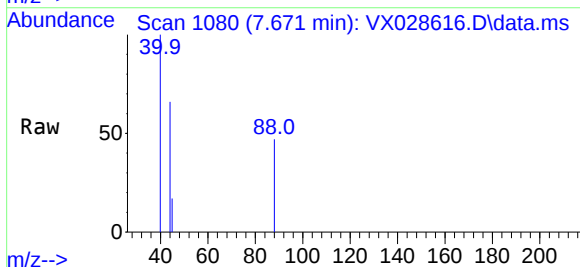
Tgt Ion: 88 Resp: 156

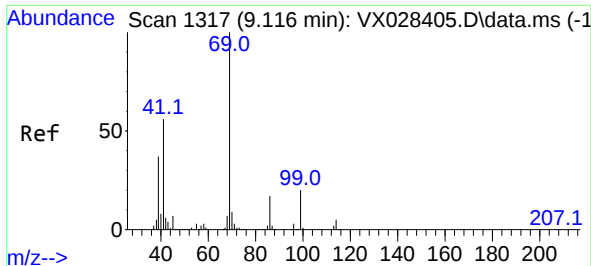
Ion Ratio Lower Upper

88 100

43 30.1 25.8 38.6

58 0.0 54.8 82.2#

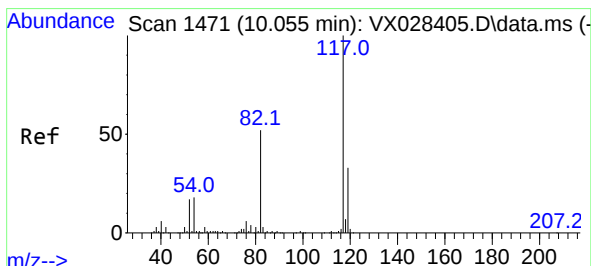
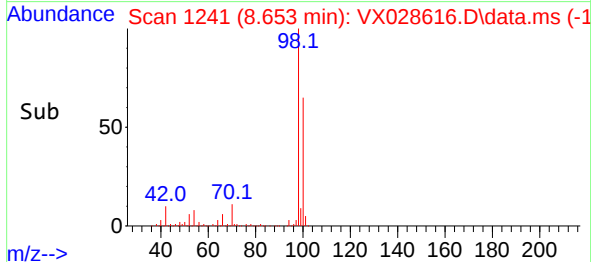
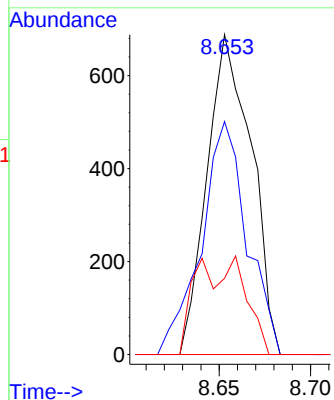
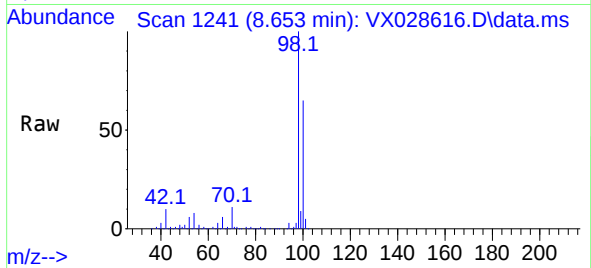




#51
Ethyl methacrylate
Concen: 0.275 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.463 min
Lab File: VX028616.D
Acq: 11 May 2022 12:40

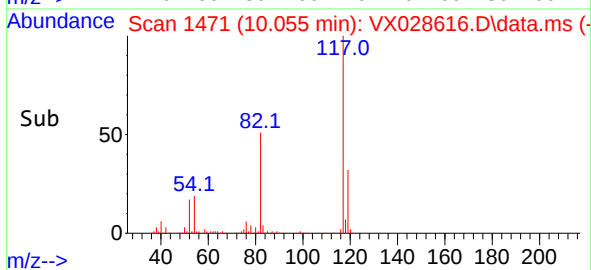
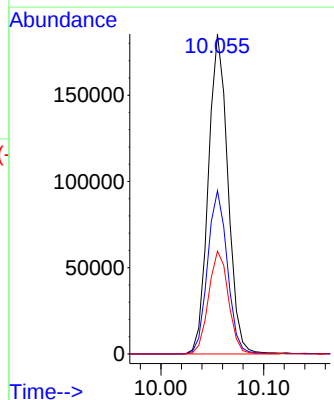
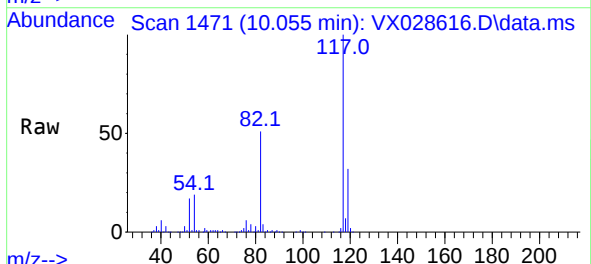
Instrument :
MSVOA_X
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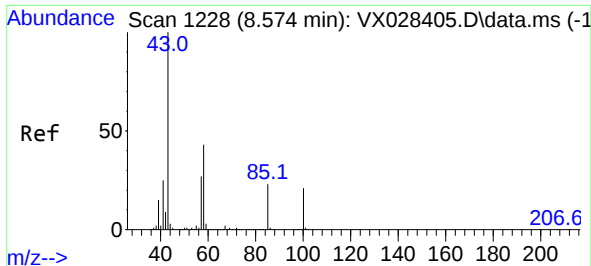
Tgt Ion:	69	Resp:	1160
Ion	Ratio	Lower	Upper
69	100		
41	72.8	32.1	96.5
39	23.8	18.3	54.9



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028616.D
Acq: 11 May 2022 12:40

Tgt Ion:	117	Resp:	245166
Ion	Ratio	Lower	Upper
117	100		
82	51.7	42.3	63.5
119	32.7	26.2	39.2





#58

4-Methyl-2-Pentanone

Concen: 0.215 ug/l

RT: 8.568 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX028616.D

Acq: 11 May 2022 12:40

Instrument :

MSVOA_X

ClientSampleId :

TT-043-IDWGW-20220509

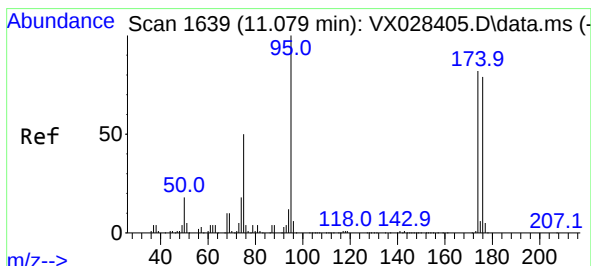
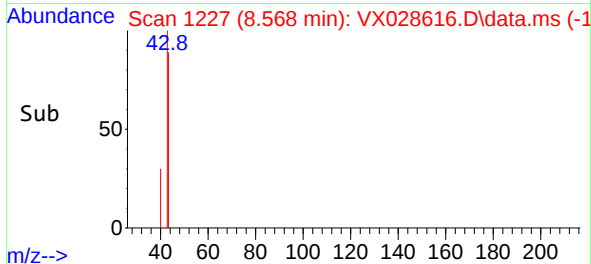
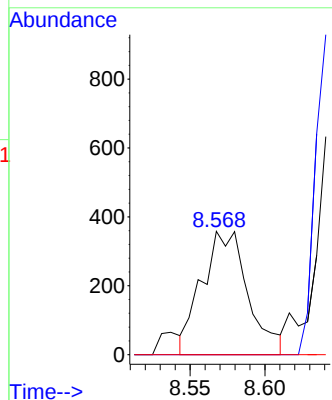
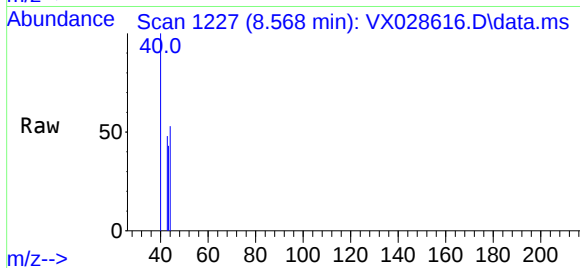
Tgt Ion: 43 Resp: 766

Ion Ratio Lower Upper

43 100

58 0.0 31.8 47.6#

85 0.0 15.8 23.6#



#60

4-Bromofluorobenzene

Concen: 27.375 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX028616.D

Acq: 11 May 2022 12:40

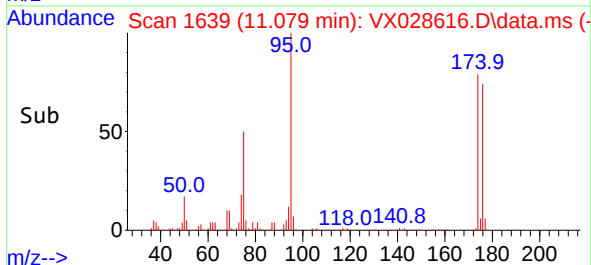
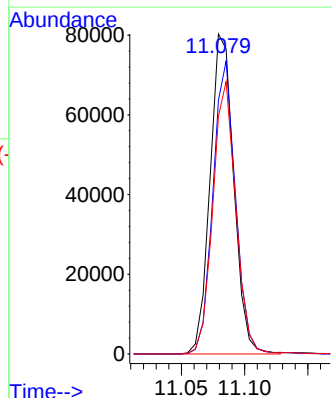
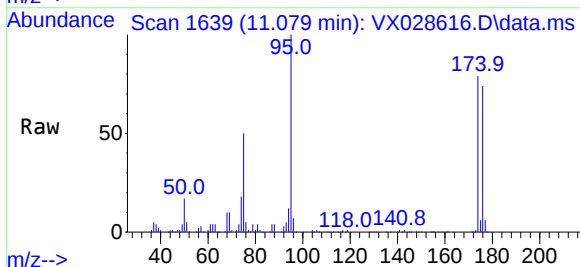
Tgt Ion: 95 Resp: 104371

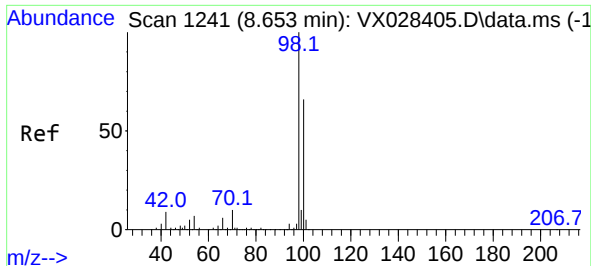
Ion Ratio Lower Upper

95 100

174 87.1 65.4 98.2

176 82.5 63.4 95.0

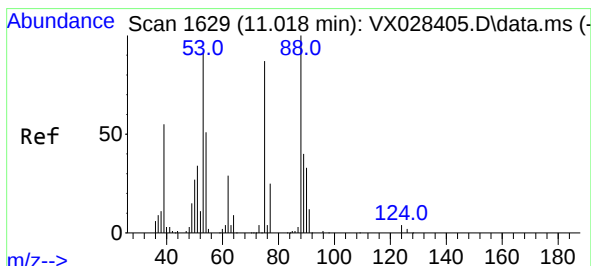
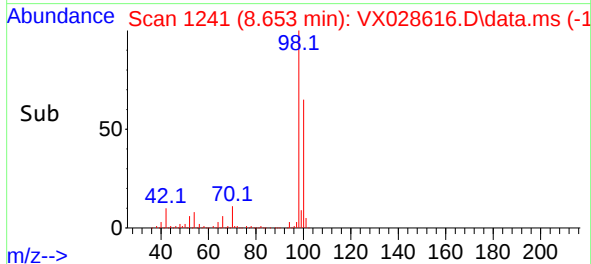
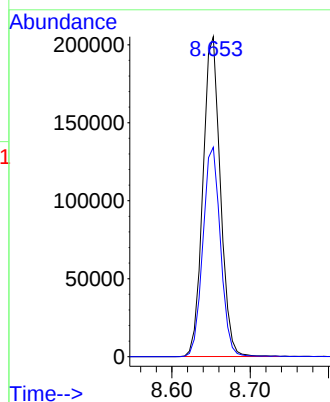
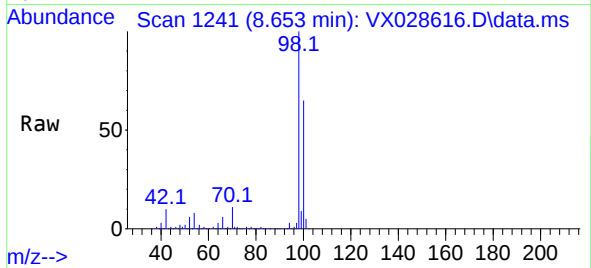




#63
Toluene-d8
Concen: 30.483 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028616.D
Acq: 11 May 2022 12:40

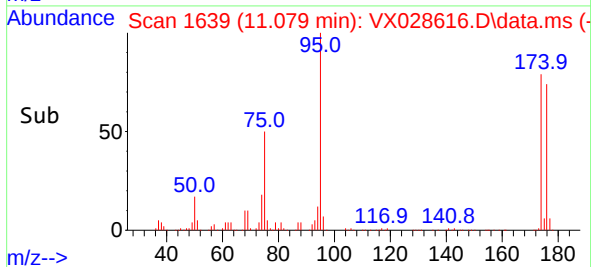
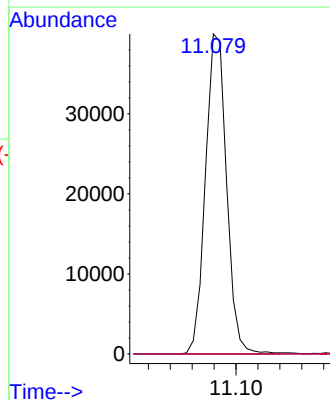
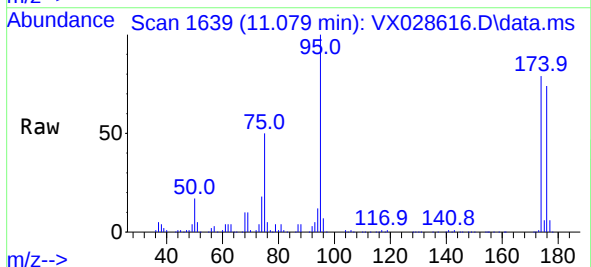
Instrument :
MSVOA_X
ClientSampleId :
TT-043-IDWGW-20220509

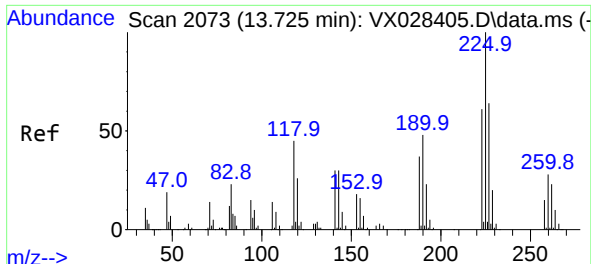
Tgt Ion: 98 Resp: 316595
Ion Ratio Lower Upper
98 100
100 66.1 51.4 77.2



#77
t-1,4-Dichloro-2-butene
Concen: 44.038 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028616.D
Acq: 11 May 2022 12:40

Tgt Ion: 75 Resp: 53527
Ion Ratio Lower Upper
75 100
53 0.0 59.7 179.1#
89 0.0 23.1 69.2#

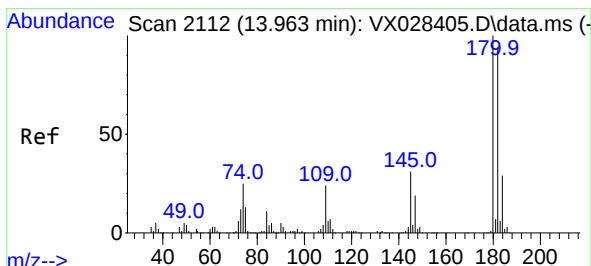
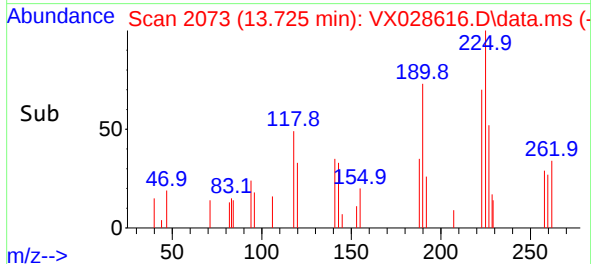
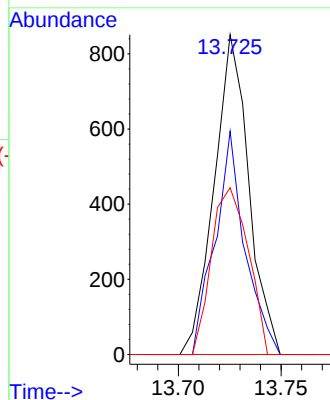
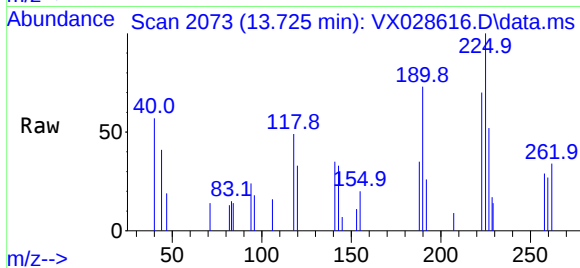




#90
Hexachlorobutadiene
Concen: 0.557 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX028616.D
Acq: 11 May 2022 12:40

Instrument :
MSVOA_X
ClientSampleId :
TT-043-IDWGW-20220509

Tgt Ion:	225	Resp:	998
Ion	Ratio	Lower	Upper
225	100		
223	60.6	0.0	126.0
227	55.6	0.0	125.0



#92
1,2,3-Trichlorobenzene
Concen: 0.235 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX028616.D
Acq: 11 May 2022 12:40

Tgt Ion:	180	Resp:	995
Ion	Ratio	Lower	Upper
180	100		
182	90.6	0.0	189.4
145	26.8	0.0	67.2

