

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051122\
 Data File : VX028618.D
 Acq On : 11 May 2022 13:27
 Operator : JC/MD
 Sample : N2741-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TWP01

Quant Time: May 12 04:55:14 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)

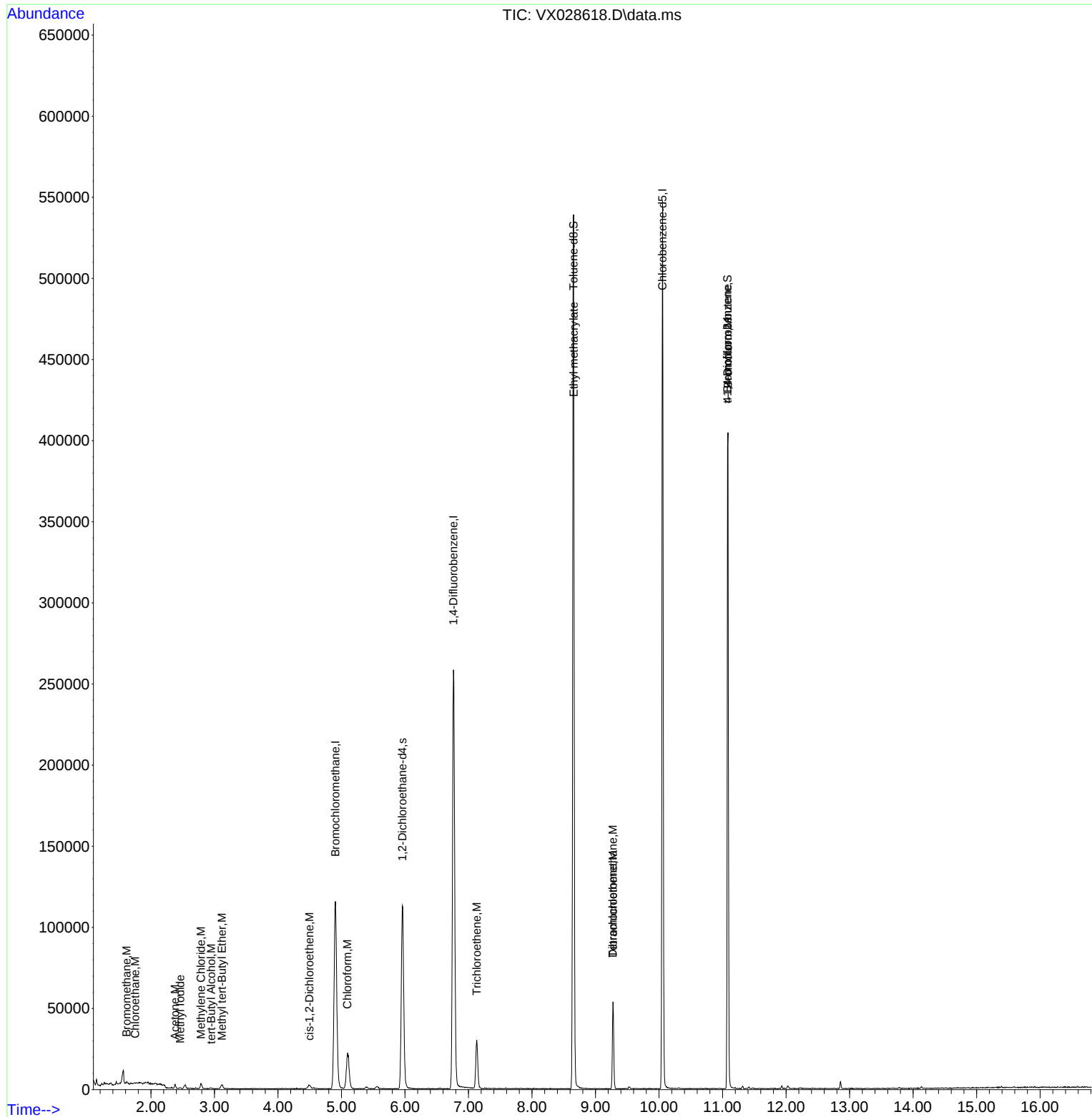
Internal Standards						
1) Bromochloromethane	4.904	128	53206	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	284349	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	250933	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	107227	31.689	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.633%
60) 4-Bromofluorobenzene	11.079	95	106248	27.226	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.767%
63) Toluene-d8	8.653	98	323839	30.464	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.533%
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	582	0.374	ug/l #	77
6) Chloroethane	1.752	64	378	0.260	ug/l	90
11) Methyl Iodide	2.459	142	574	0.213	ug/l #	77
15) Acetone	2.380	58	709	1.717	ug/l	97
18) Methylene Chloride	2.788	84	1410	0.547	ug/l #	76
22) cis-1,2-Dichloroethene	4.495	96	1349	0.432	ug/l #	10
23) tert-Butyl Alcohol	2.947	59	215	0.273	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	2518	0.285	ug/l #	82
25) Chloroform	5.093	83	26627	5.118	ug/l	99
37) Trichloroethene	7.129	130	11759	3.985	ug/l	96
51) Ethyl methacrylate	8.659	69	1103	0.252	ug/l	86
53) Dibromochloromethane	9.275	129	9098	2.912	ug/l #	11
56) Bromoform	11.085	173	1049	0.436	ug/l #	1
61) Tetrachloroethene	9.275	164	9962	3.599	ug/l	98
77) t-1,4-Dichloro-2-butene	11.079	75	52987	42.592	ug/l #	3

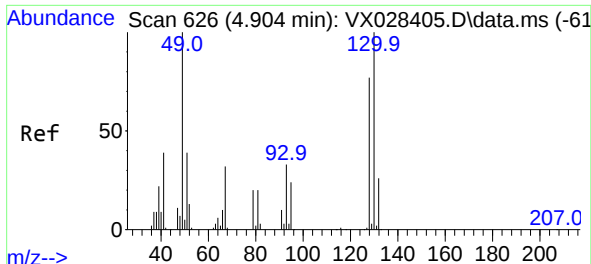
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051122\
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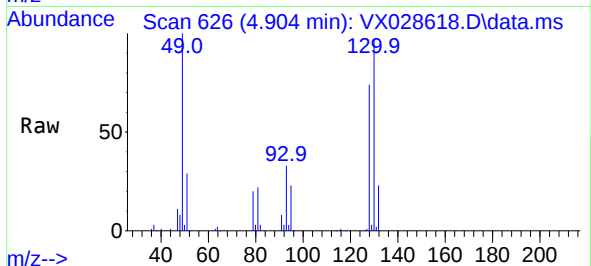
Quant Time: May 12 04:55:14 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X042822W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 29 06:09:36 2022
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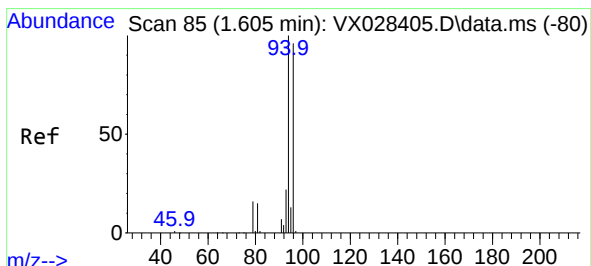
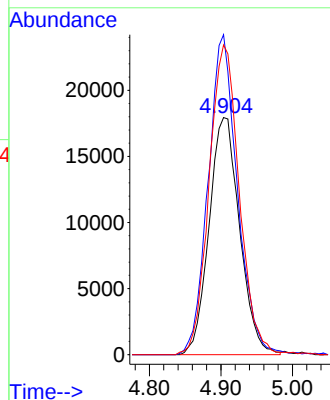
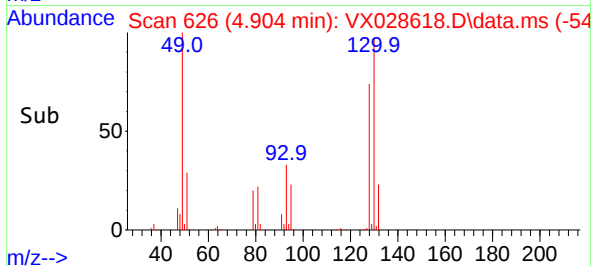


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX028618.D
Acq: 11 May 2022 13:27

Instrument :
MSVOA_X
ClientSampleId :
TWP01

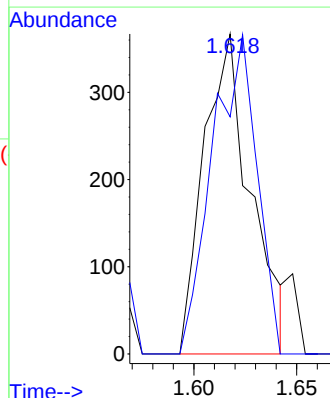
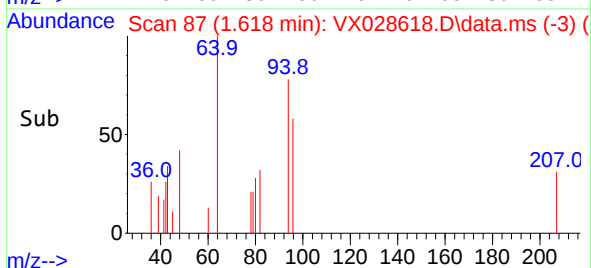
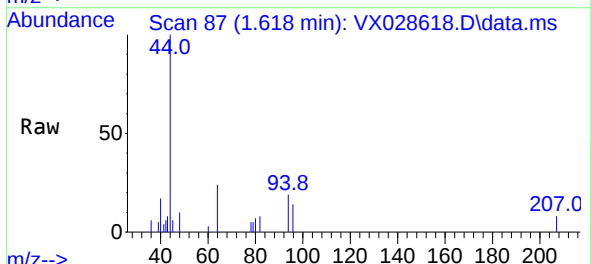


Tgt Ion:128 Resp: 53206
Ion Ratio Lower Upper
128 100
49 129.1 0.0 358.3
130 129.2 0.0 319.3

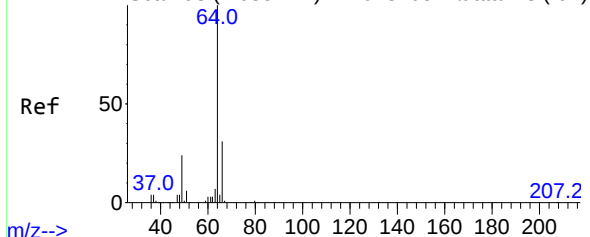


#5
Bromomethane
Concen: 0.374 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.012 min
Lab File: VX028618.D
Acq: 11 May 2022 13:27

Tgt Ion: 94 Resp: 582
Ion Ratio Lower Upper
94 100
96 74.1 77.0 115.6#



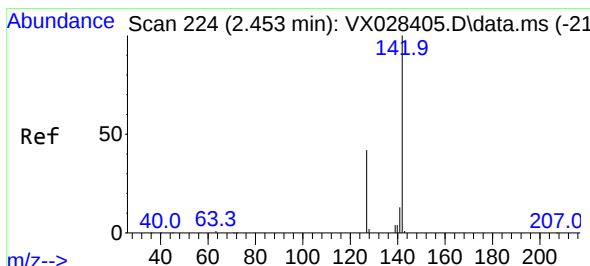
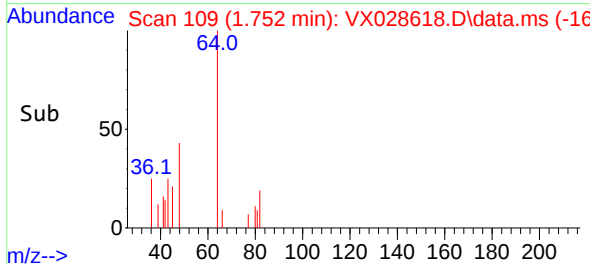
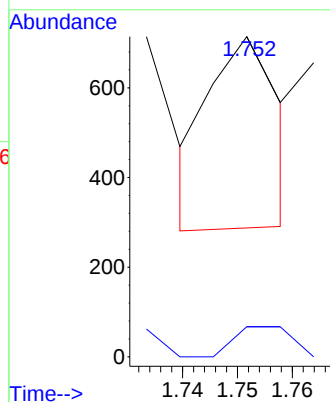
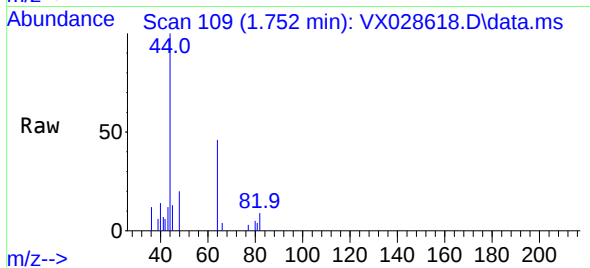
Abundance Scan 98 (1.685 min): VX028405.D\data.ms (-94)



#6
Chloroethane
Concen: 0.260 ug/l
RT: 1.752 min Scan# 109
Delta R.T. 0.067 min
Lab File: VX028618.D
Acq: 11 May 2022 13:27

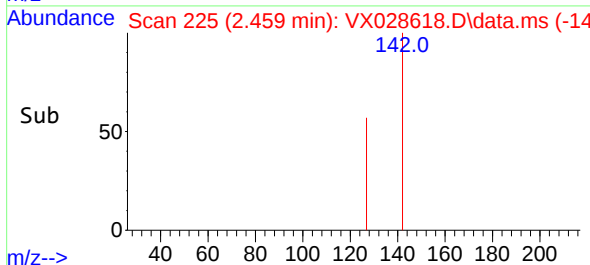
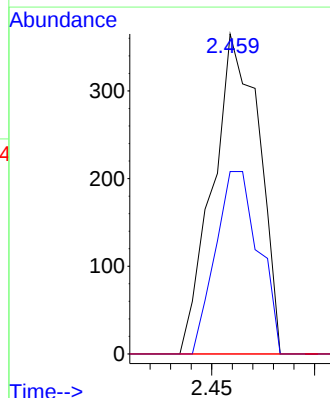
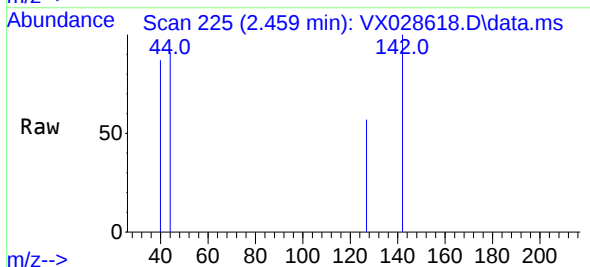
Instrument :
MSVOA_X
ClientSampleId :
TWP01

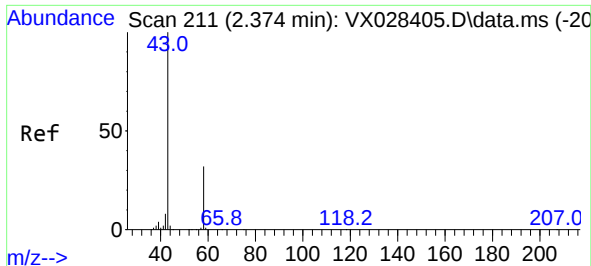
Tgt Ion: 64 Resp: 378
Ion Ratio Lower Upper
64 100
66 27.3 26.4 39.6



#11
Methyl Iodide
Concen: 0.213 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX028618.D
Acq: 11 May 2022 13:27

Tgt Ion: 142 Resp: 574
Ion Ratio Lower Upper
142 100
127 57.0 22.3 66.9
141 0.0 7.0 20.9#

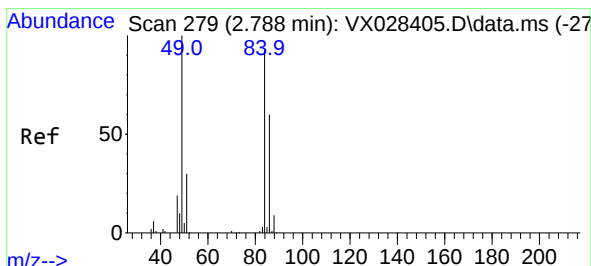
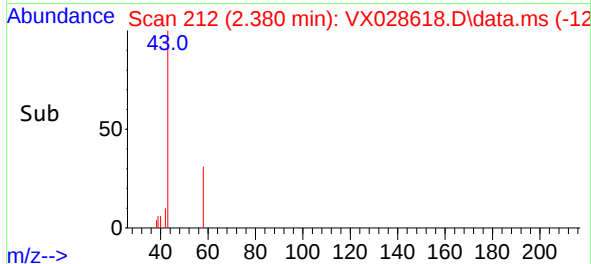
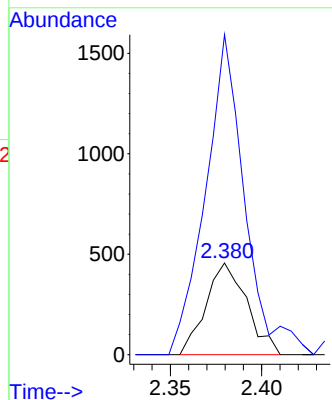
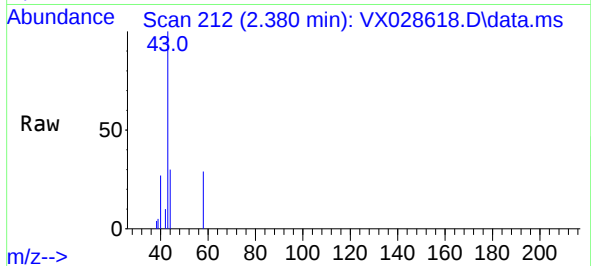




#15
Acetone
Concen: 1.717 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX028618.D
Acq: 11 May 2022 13:27

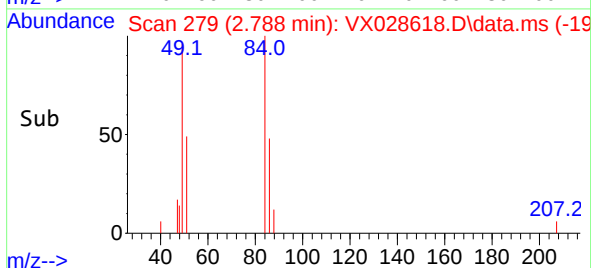
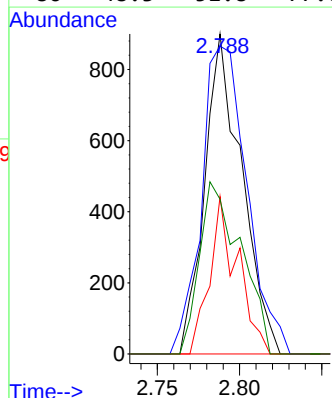
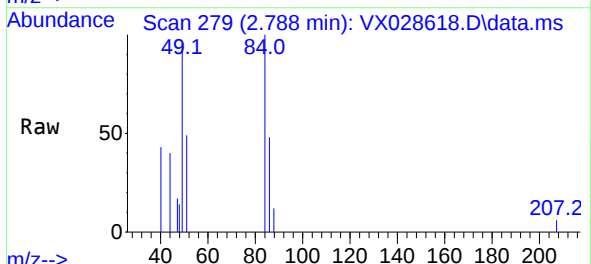
Instrument :
MSVOA_X
ClientSampleId :
TWP01

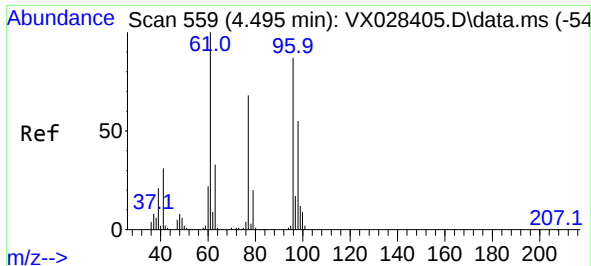
Tgt Ion: 58 Resp: 709
Ion Ratio Lower Upper
58 100
43 318.2 250.2 375.2



#18
Methylene Chloride
Concen: 0.547 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX028618.D
Acq: 11 May 2022 13:27

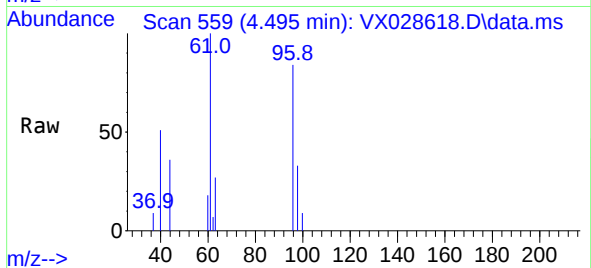
Tgt Ion: 84 Resp: 1410
Ion Ratio Lower Upper
84 100
49 88.2 94.2 141.2#
51 49.2 29.2 43.8#
86 48.3 51.8 77.6#



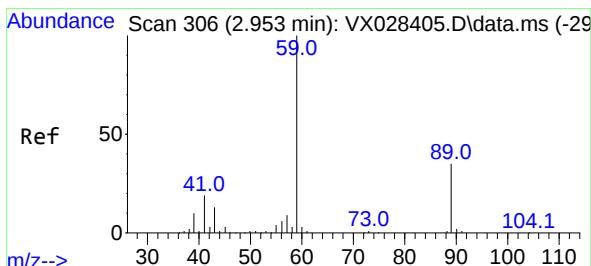
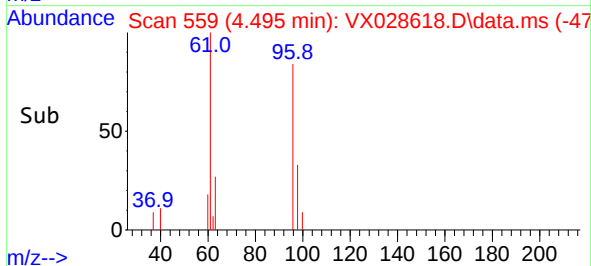
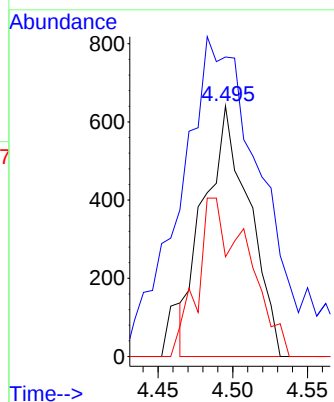


#22
 cis-1,2-Dichloroethene
 Concen: 0.432 ug/l
 RT: 4.495 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VX028618.D
 Acq: 11 May 2022 13:27

Instrument :
 MSVOA_X
 ClientSampleId :
 TWP01

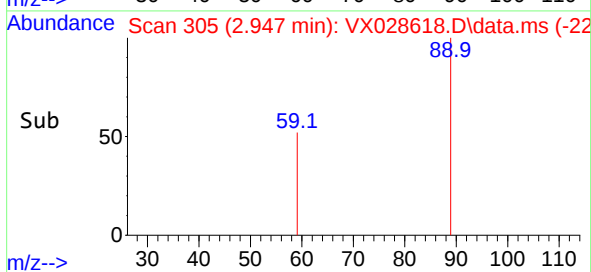
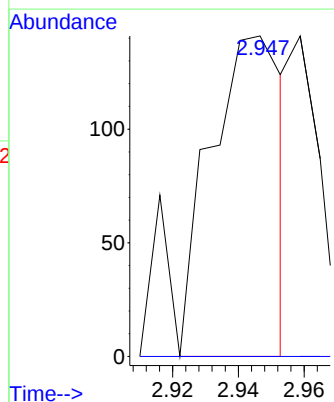
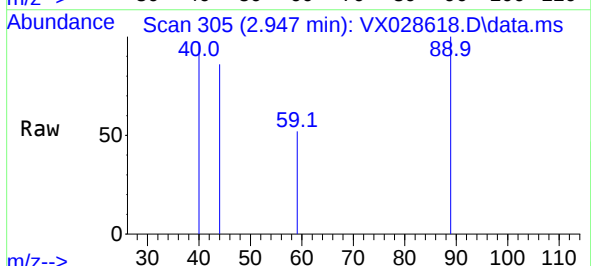


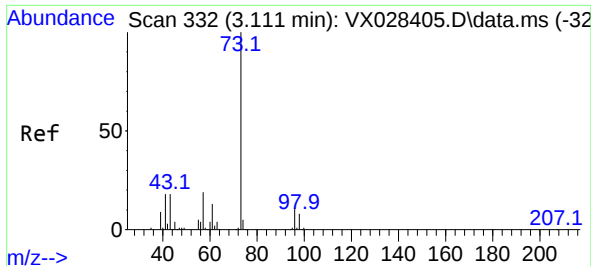
Tgt Ion: 96 Resp: 1349
 Ion Ratio Lower Upper
 96 100
 61 0.0 107.4 161.2#
 98 31.9 51.1 76.7#



#23
 tert-Butyl Alcohol
 Concen: 0.273 ug/l
 RT: 2.947 min Scan# 305
 Delta R.T. -0.006 min
 Lab File: VX028618.D
 Acq: 11 May 2022 13:27

Tgt Ion: 59 Resp: 215
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

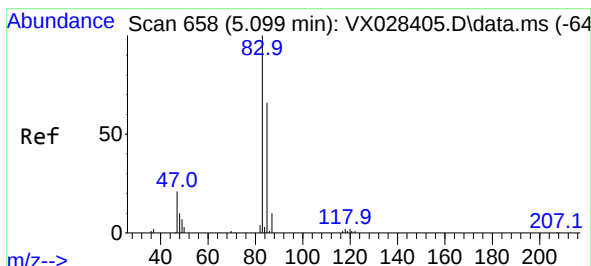
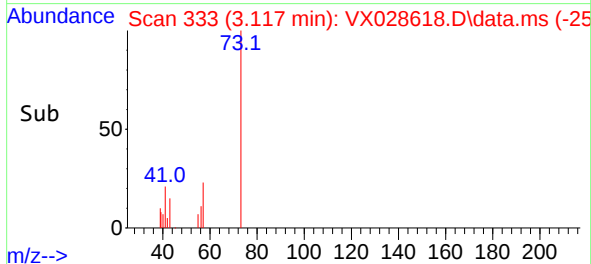
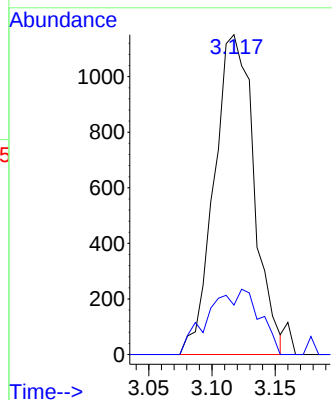
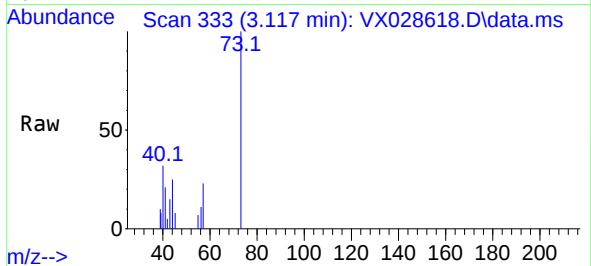




#24
Methyl tert-Butyl Ether
Concen: 0.285 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX028618.D
Acq: 11 May 2022 13:27

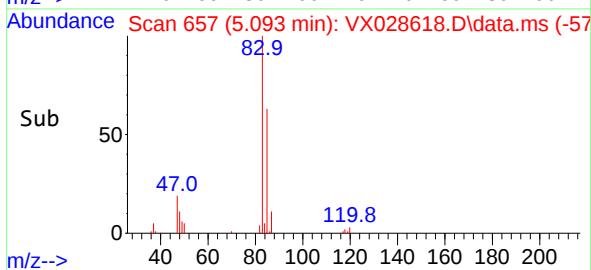
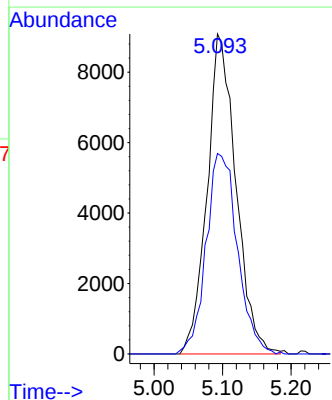
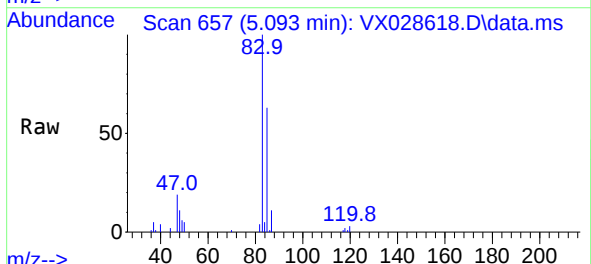
Instrument :
MSVOA_X
ClientSampleId :
TWP01

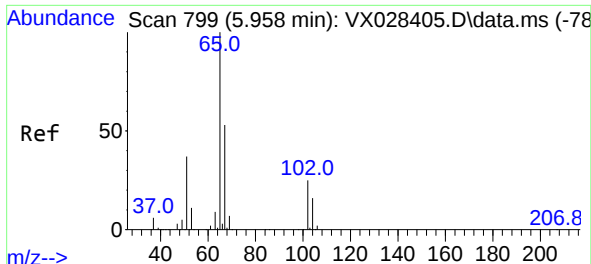
Tgt Ion: 73 Resp: 2518
Ion Ratio Lower Upper
73 100
43 11.6 16.0 24.0#



#25
Chloroform
Concen: 5.118 ug/l
RT: 5.093 min Scan# 657
Delta R.T. -0.006 min
Lab File: VX028618.D
Acq: 11 May 2022 13:27

Tgt Ion: 83 Resp: 26627
Ion Ratio Lower Upper
83 100
85 62.0 49.9 74.9

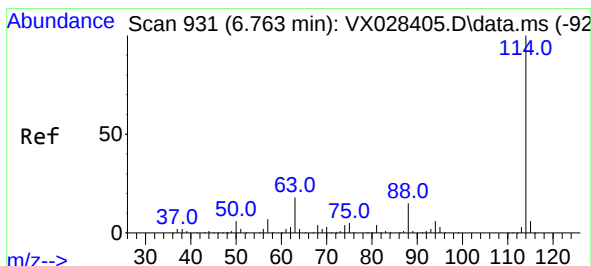
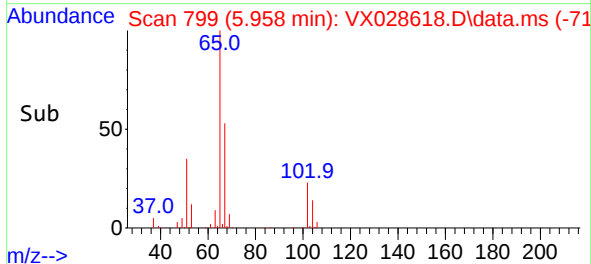
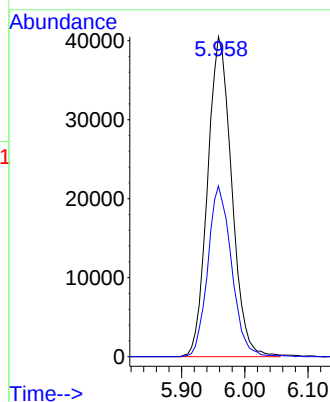
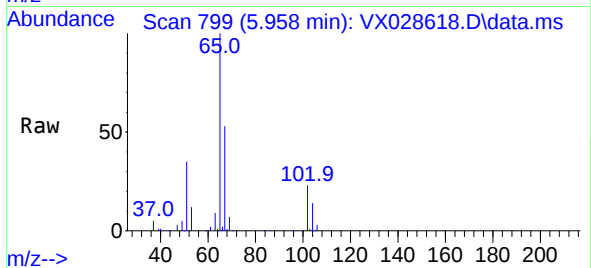




#27
1,2-Dichloroethane-d4
Concen: 31.689 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX028618.D
Acq: 11 May 2022 13:27

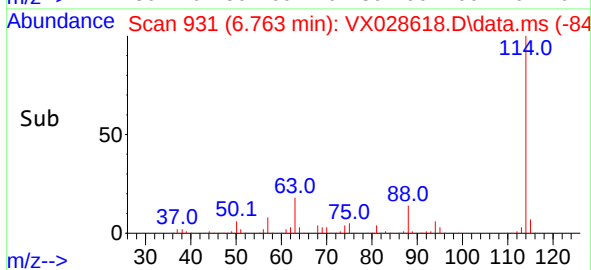
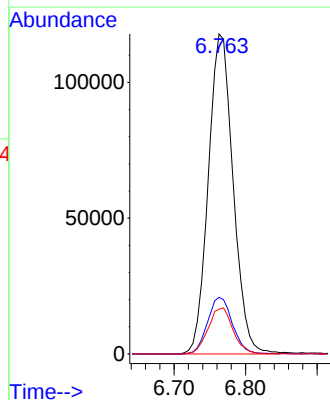
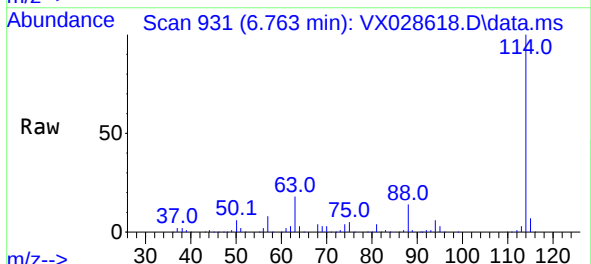
Instrument :
MSVOA_X
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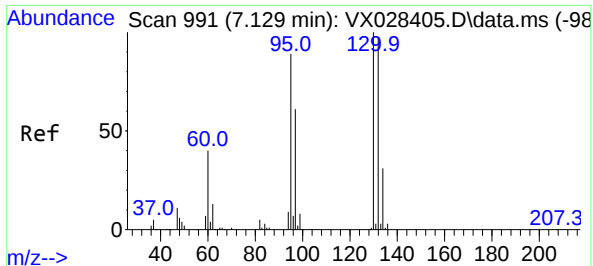
Tgt Ion: 65 Resp: 107227
Ion Ratio Lower Upper
65 100
67 52.4 42.3 63.5



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX028618.D
Acq: 11 May 2022 13:27

Tgt Ion: 114 Resp: 284349
Ion Ratio Lower Upper
114 100
63 17.8 15.3 22.9
88 14.5 12.2 18.4

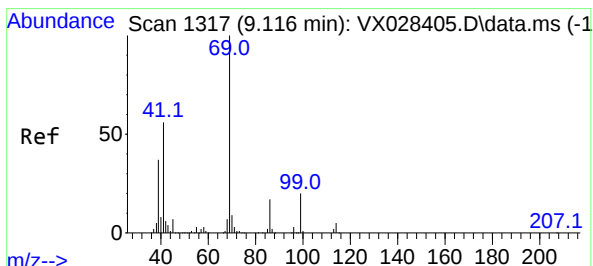
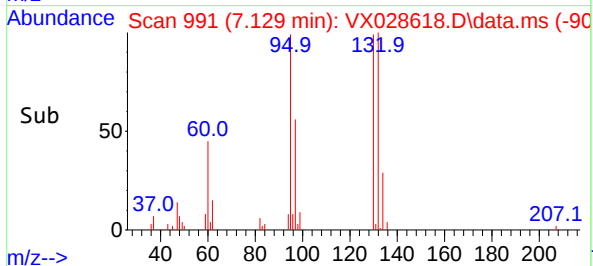
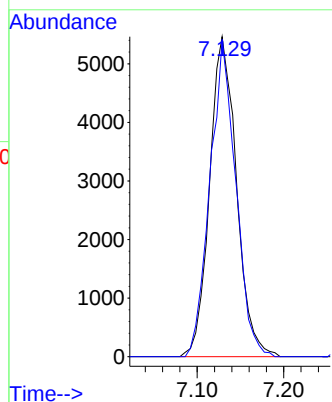
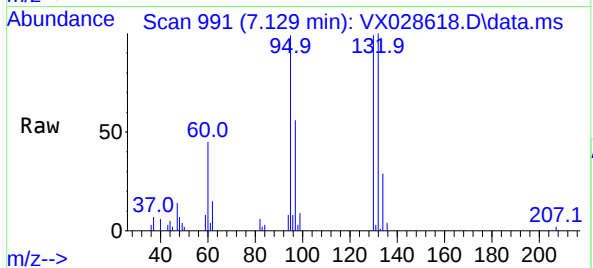




#37
Trichloroethene
Concen: 3.985 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX028618.D
Acq: 11 May 2022 13:27

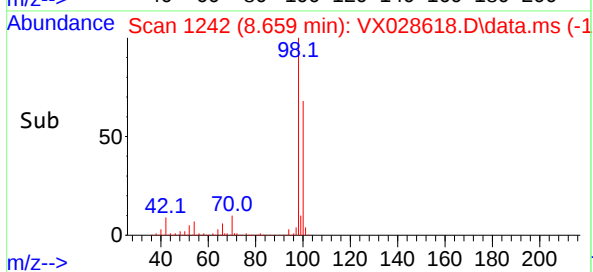
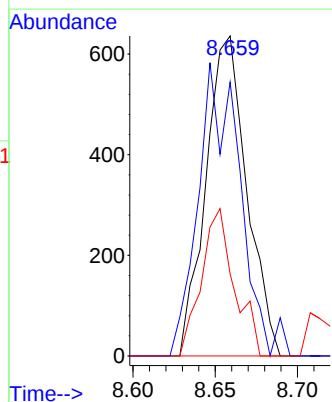
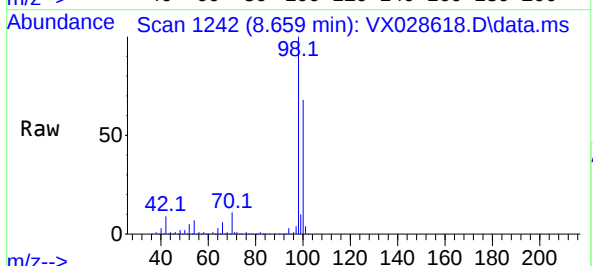
Instrument :
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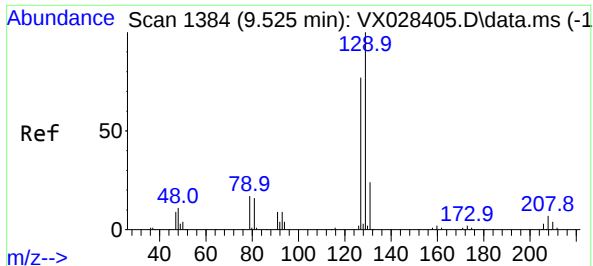
Tgt Ion:130 Resp: 11759
Ion Ratio Lower Upper
130 100
95 99.2 76.5 114.7



#51
Ethyl methacrylate
Concen: 0.252 ug/l
RT: 8.659 min Scan# 1242
Delta R.T. -0.457 min
Lab File: VX028618.D
Acq: 11 May 2022 13:27

Tgt Ion: 69 Resp: 1103
Ion Ratio Lower Upper
69 100
41 73.6 32.1 96.5
39 25.6 18.3 54.9

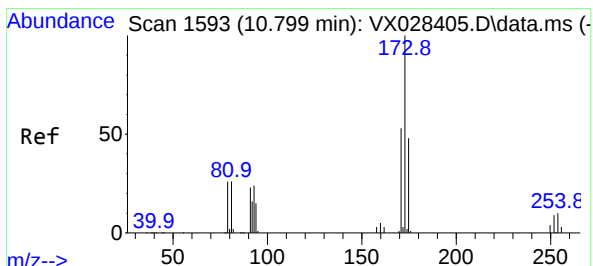
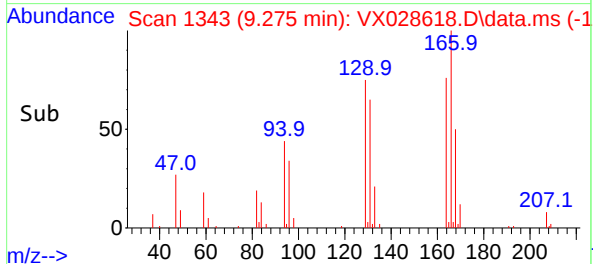
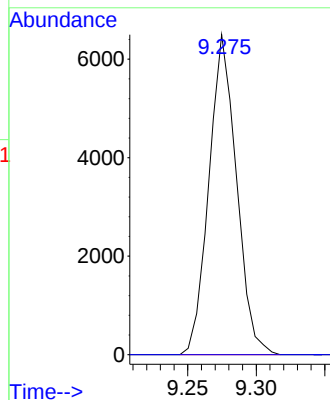
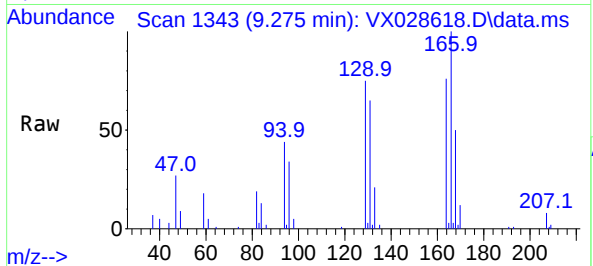




#53
Dibromochloromethane
Concen: 2.912 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX028618.D
Acq: 11 May 2022 13:27

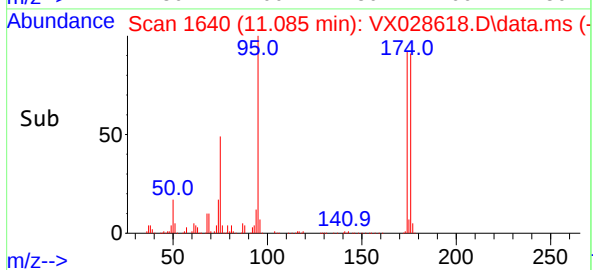
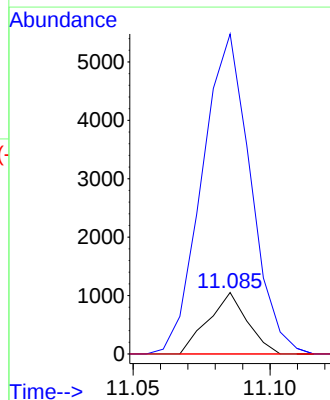
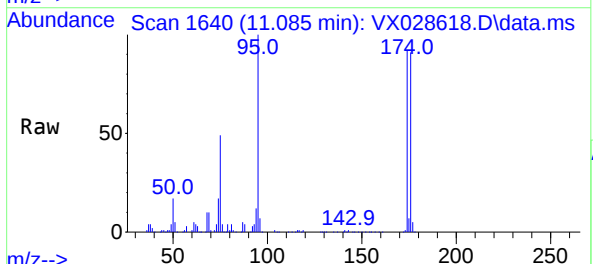
Instrument :
MSVOA_X
ClientSampleId :
TWP01

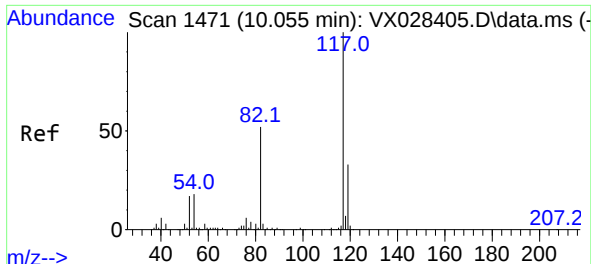
Tgt Ion:129 Resp: 9098
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.1#



#56
Bromoform
Concen: 0.436 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.287 min
Lab File: VX028618.D
Acq: 11 May 2022 13:27

Tgt Ion:173 Resp: 1049
Ion Ratio Lower Upper
173 100
175 644.8 40.3 60.5#
254 0.0 7.4 11.2#

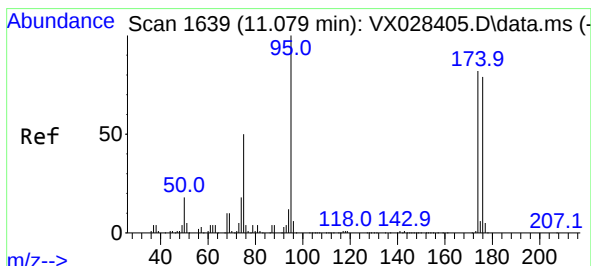
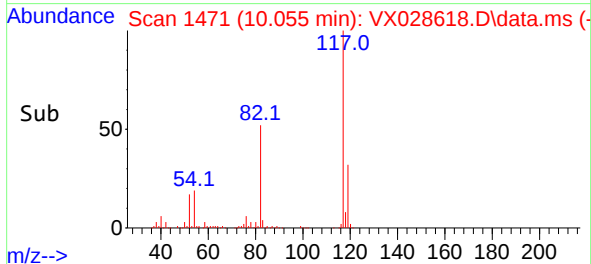
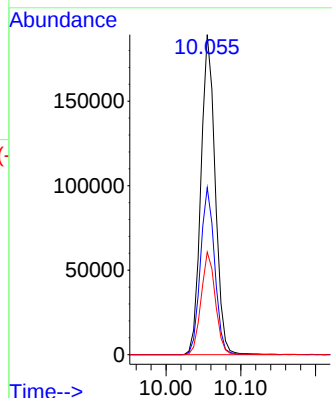
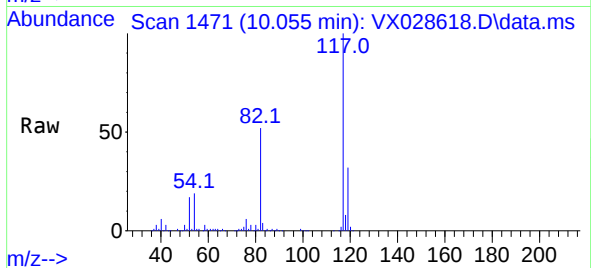




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028618.D
Acq: 11 May 2022 13:27

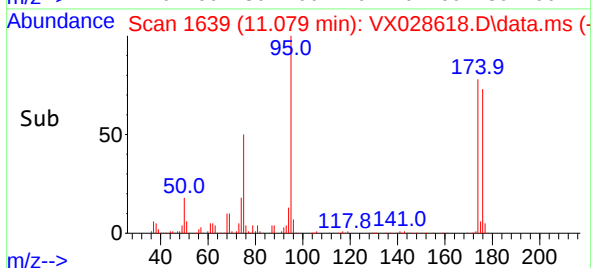
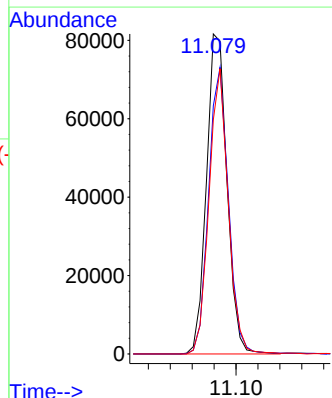
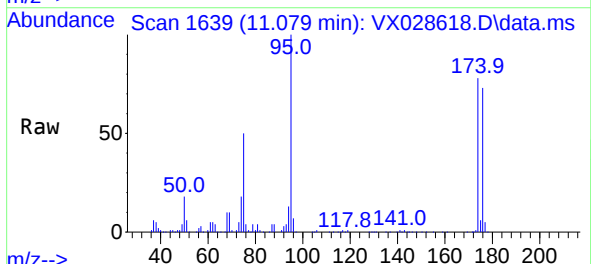
Instrument :
MSVOA_X
ClientSampleId :
TWP01

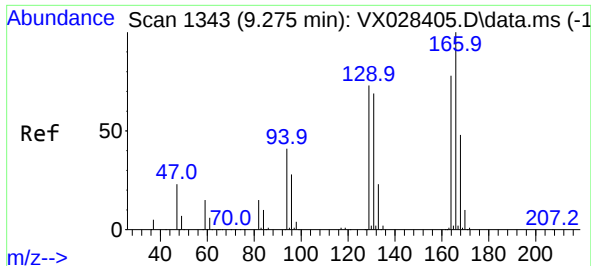
Tgt Ion:117 Resp: 250933
Ion Ratio Lower Upper
117 100
82 52.1 42.3 63.5
119 32.1 26.2 39.2



#60
4-Bromofluorobenzene
Concen: 27.226 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX028618.D
Acq: 11 May 2022 13:27

Tgt Ion: 95 Resp: 106248
Ion Ratio Lower Upper
95 100
174 86.9 65.4 98.2
176 83.5 63.4 95.0



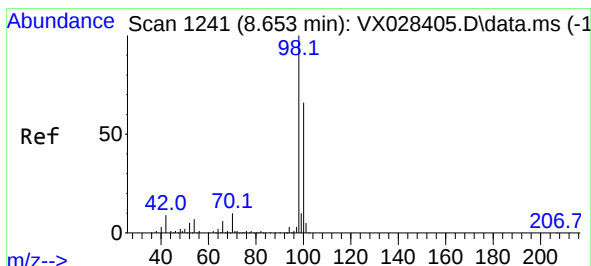
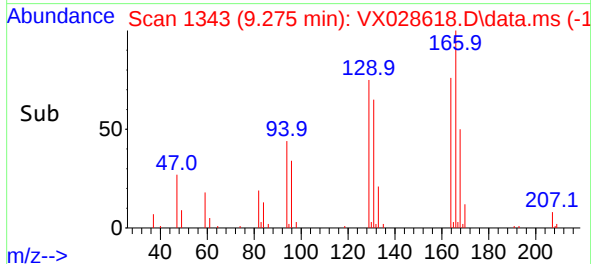
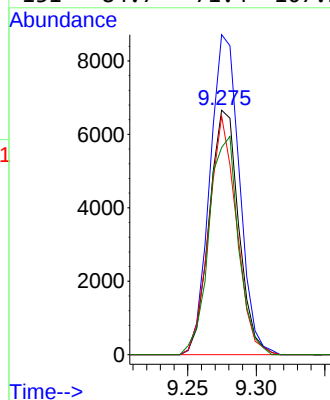
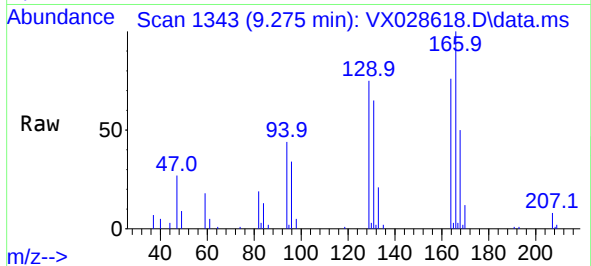


#61
Tetrachloroethene
Concen: 3.599 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028618.D
Acq: 11 May 2022 13:27

Instrument :
MSVOA_X
ClientSampleId :
TWP01

Tgt Ion:164 Resp: 9962

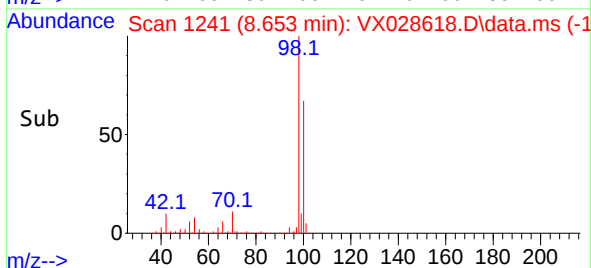
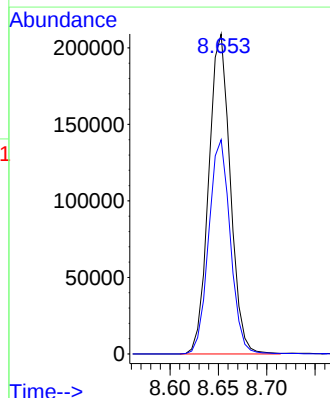
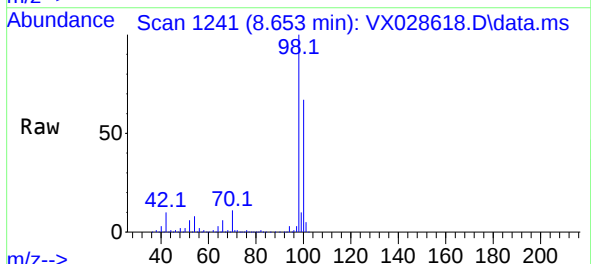
Ion	Ratio	Lower	Upper
164	100		
166	130.9	105.0	157.6
129	97.6	78.5	117.7
131	84.7	71.4	107.2

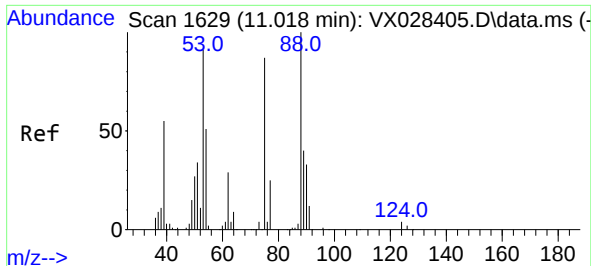


#63
Toluene-d8
Concen: 30.464 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX028618.D
Acq: 11 May 2022 13:27

Tgt Ion: 98 Resp: 323839

Ion	Ratio	Lower	Upper
98	100		
100	67.0	51.4	77.2





#77
 t-1,4-Dichloro-2-butene
 Concen: 42.592 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX028618.D
 Acq: 11 May 2022 13:27

Instrument :
 MSVOA_X
 ClientSampleId :
 TWP01

Tgt Ion: 75 Resp: 52987
 Ion Ratio Lower Upper
 75 100
 53 0.0 59.7 179.1#
 89 0.0 23.1 69.2#

