

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082621\
 Data File : VX023962.D
 Acq On : 26 Aug 2021 13:58
 Operator : JC/MD
 Sample : M3525-10RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WVLY-SW-10-GW-082021

Quant Time: Aug 27 05:55:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

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

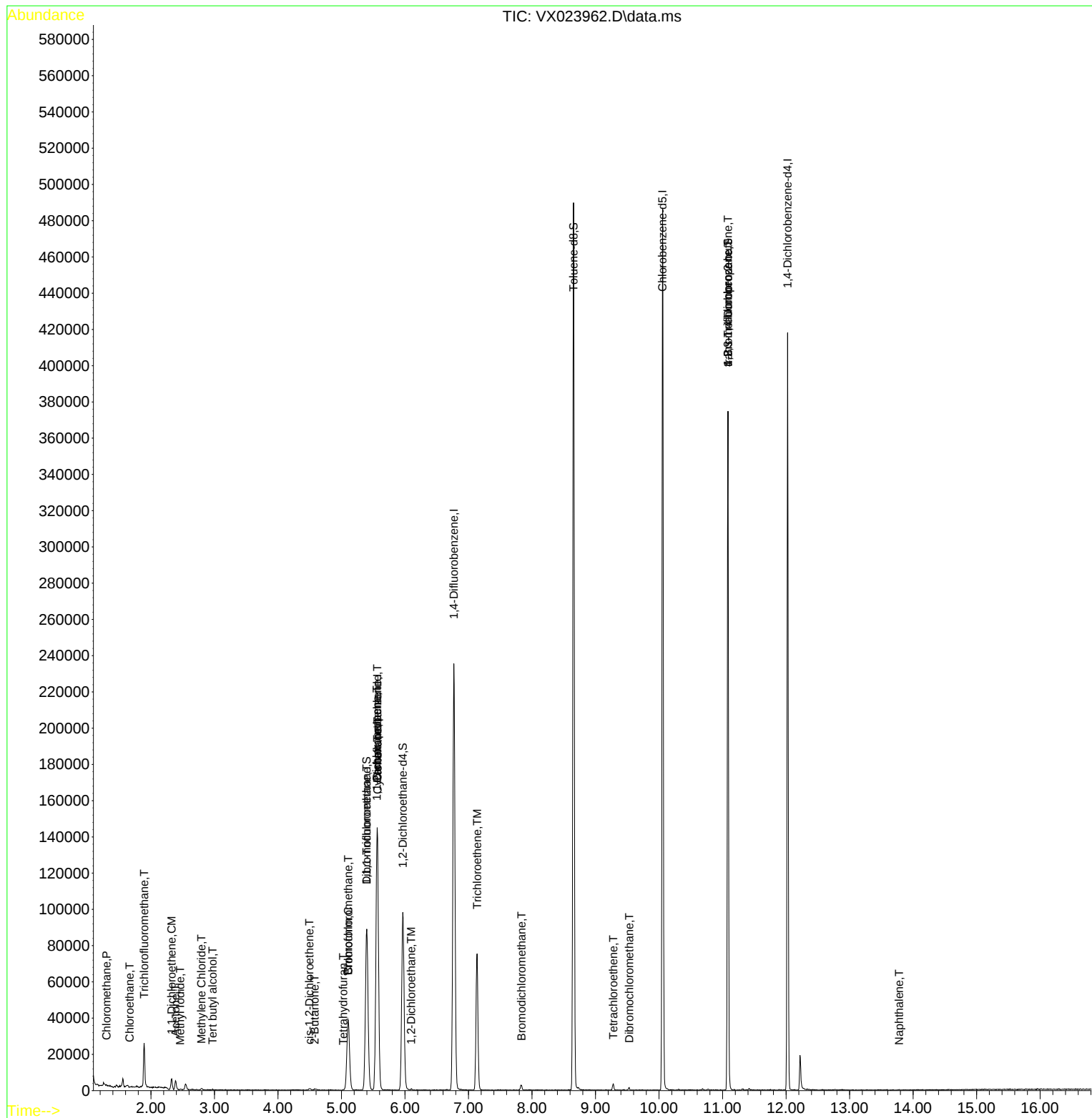
Internal Standards						
1) Pentafluorobenzene	5.562	168	132886	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	228229	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	208980	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	80222	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	96470	52.015	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.020%	
35) Dibromofluoromethane	5.397	113	76018	50.323	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.640%	
50) Toluene-d8	8.653	98	278318	48.408	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 96.820%	
62) 4-Bromofluorobenzene	11.085	95	93743	44.291	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 88.580%	
Target Compounds						Qvalue
3) Chloromethane	1.301	50	403	0.262	ug/l	89
6) Chloroethane	1.666	64	100	2.294	ug/l #	43
7) Trichlorofluoromethane	1.892	101	15352	6.476	ug/l	96
10) Methyl Iodide	2.459	142	465	0.250	ug/l #	89
11) Tert butyl alcohol	2.971	59	244	0.651	ug/l #	73
12) 1,1-Dichloroethene	2.325	96	1875	1.470	ug/l	98
16) Acetone	2.386	43	5403	6.515	ug/l	97
20) Methylene Chloride	2.794	84	489	0.309	ug/l #	84
25) 2-Butanone	4.574	43	786	0.626	ug/l	96
27) cis-1,2-Dichloroethene	4.495	96	458	0.283	ug/l	74
28) Bromochloromethane	5.105	49	3894	3.287	ug/l #	9
29) Tetrahydrofuran	5.026	42	199	0.245	ug/l #	27
30) Chloroform	5.105	83	45330	16.433	ug/l	99
31) Cyclohexane	5.568	56	3384	1.420	ug/l #	22
32) 1,1,1-Trichloroethane	5.397	97	481	0.204	ug/l #	24
36) 1,1-Dichloropropene	5.556	75	10438	4.939	ug/l #	50
38) Carbon Tetrachloride	5.562	117	13507	6.128	ug/l #	15
42) 1,2-Dichloroethane	6.098	62	563	0.229	ug/l #	73
44) Trichloroethene	7.135	130	27333	15.832	ug/l	96
47) Bromodichloromethane	7.836	83	1871	0.896	ug/l #	89
60) Dibromochloromethane	9.531	129	441	1.919	ug/l	93
64) Tetrachloroethene	9.281	164	495	0.297	ug/l #	83
76) 1,2,3-Trichloropropane	11.085	75	50522	26.997	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	50522	79.414	ug/l #	12
95) Naphthalene	13.780	128	210	1.317	ug/l #	69

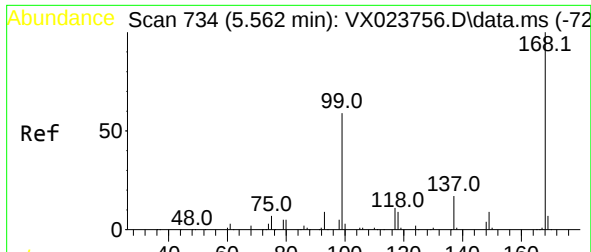
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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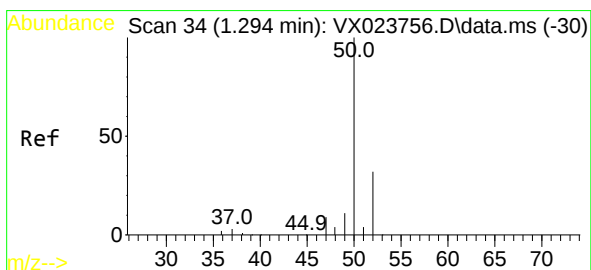
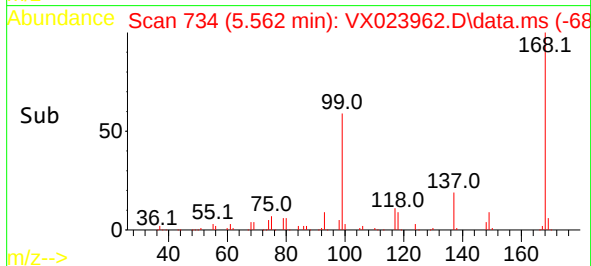
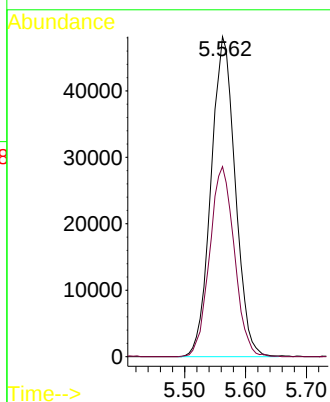
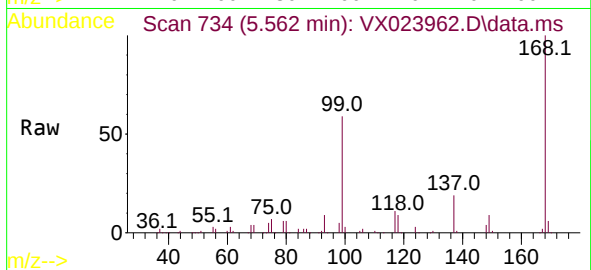




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023962.D
Acq: 26 Aug 2021 13:58

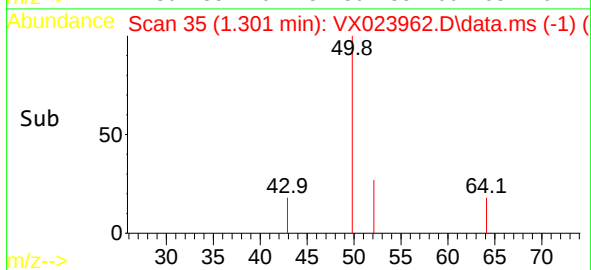
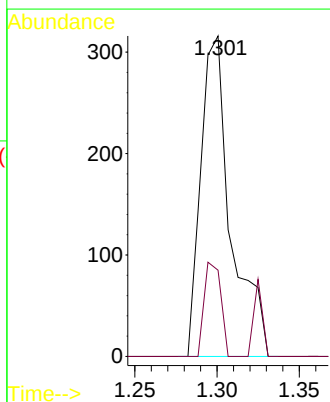
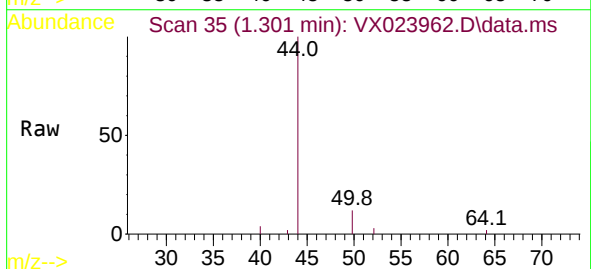
Instrument :
MSVOA_X
ClientSampleId :
WVLY-SW-10-GW-082021

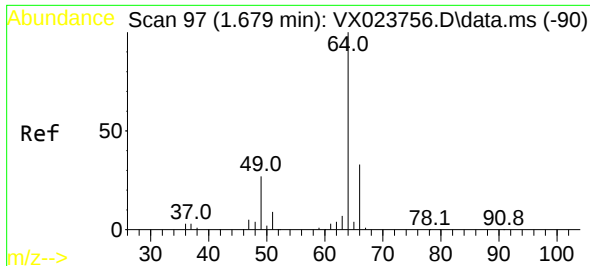
Tgt Ion:168 Resp: 132886
Ion Ratio Lower Upper
168 100
99 59.4 45.8 68.6



#3
Chloromethane
Concen: 0.262 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.007 min
Lab File: VX023962.D
Acq: 26 Aug 2021 13:58

Tgt Ion: 50 Resp: 403
Ion Ratio Lower Upper
50 100
52 26.9 26.4 39.6

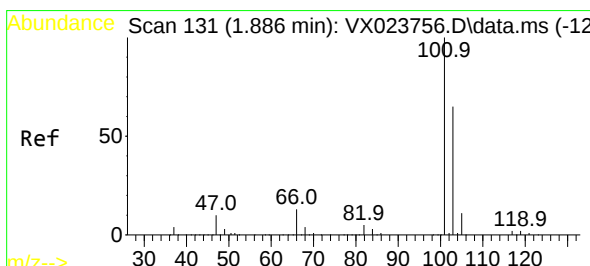
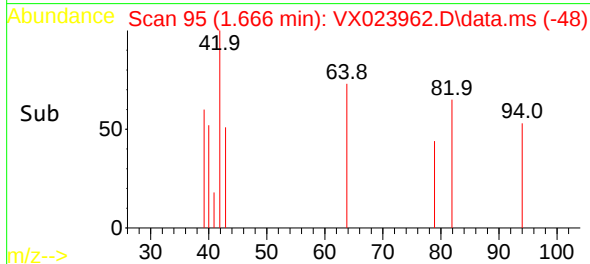
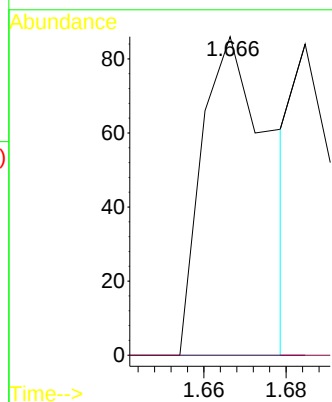
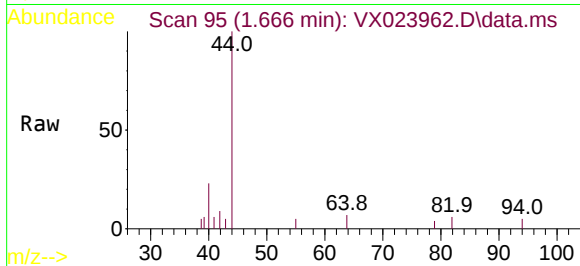




#6
Chloroethane
Concen: 2.294 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.013 min
Lab File: VX023962.D
Acq: 26 Aug 2021 13:58

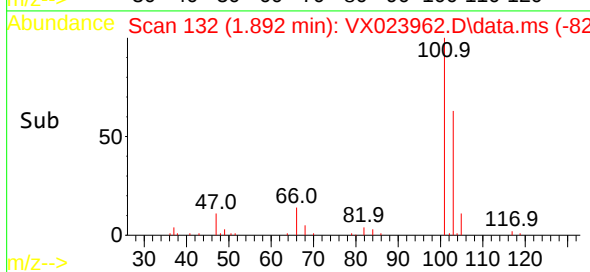
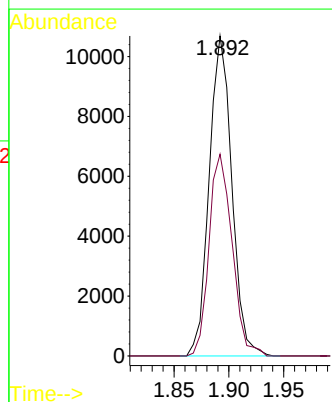
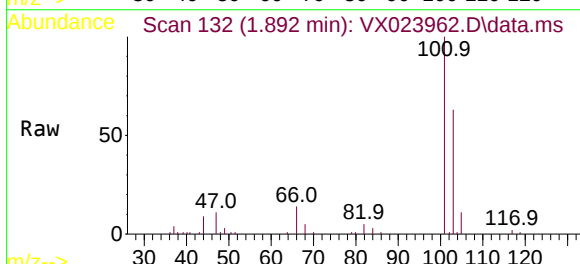
Instrument :
MSVOA_X
ClientSampleId :
WVLY-SW-10-GW-082021

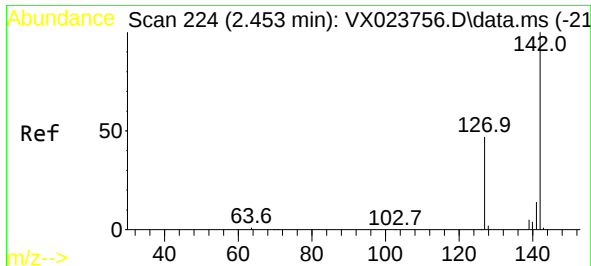
Tgt Ion: 64 Resp: 100
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#7
Trichlorofluoromethane
Concen: 6.476 ug/l
RT: 1.892 min Scan# 132
Delta R.T. 0.006 min
Lab File: VX023962.D
Acq: 26 Aug 2021 13:58

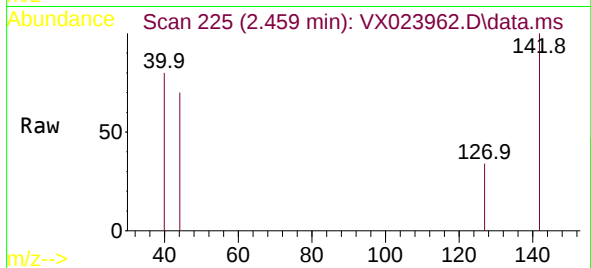
Tgt Ion: 101 Resp: 15352
Ion Ratio Lower Upper
101 100
103 63.1 53.2 79.8



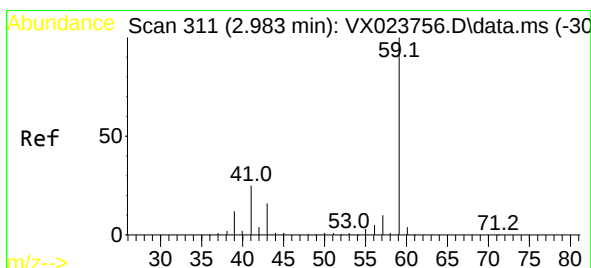
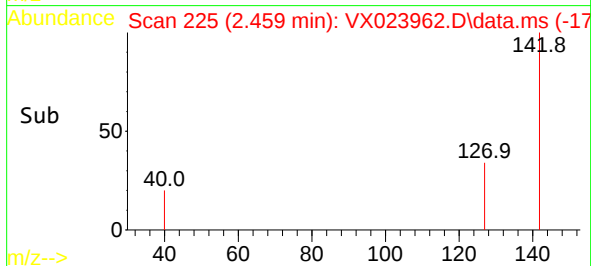
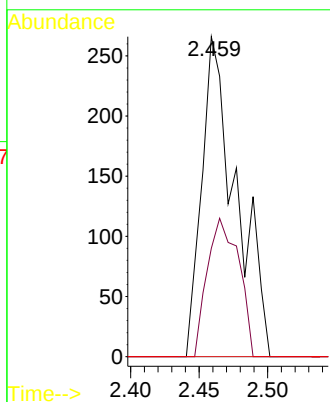


#10
Methyl Iodide
Concen: 0.250 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX023962.D
Acq: 26 Aug 2021 13:58

Instrument :
MSVOA_X
ClientSampleId :
WVLY-SW-10-GW-082021

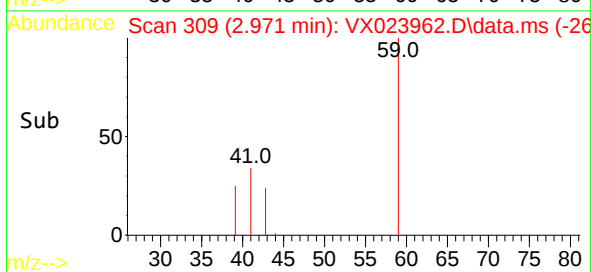
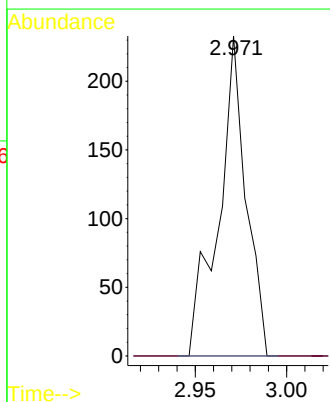
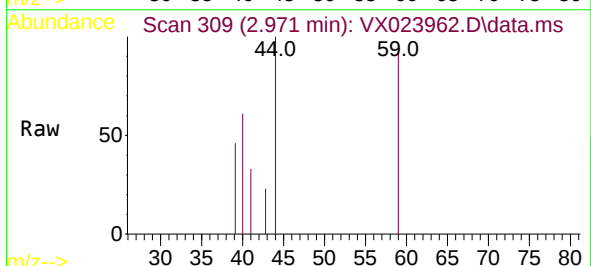


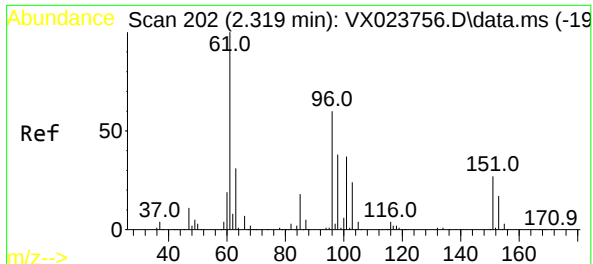
Tgt Ion:142 Resp: 465
Ion Ratio Lower Upper
142 100
127 39.6 33.3 49.9
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.651 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX023962.D
Acq: 26 Aug 2021 13:58

Tgt Ion: 59 Resp: 244
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 1.470 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX023962.D

Acq: 26 Aug 2021 13:58

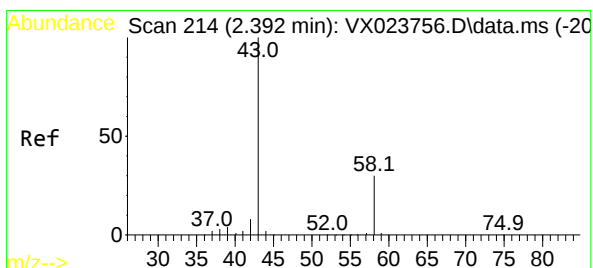
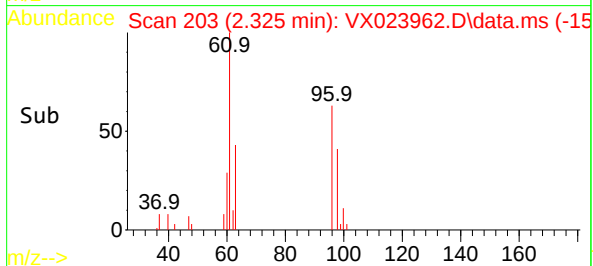
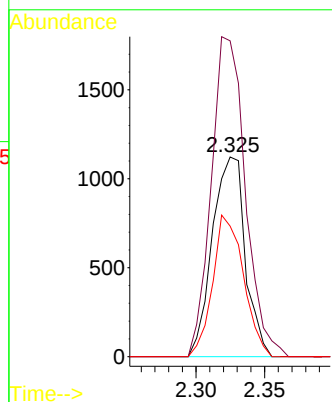
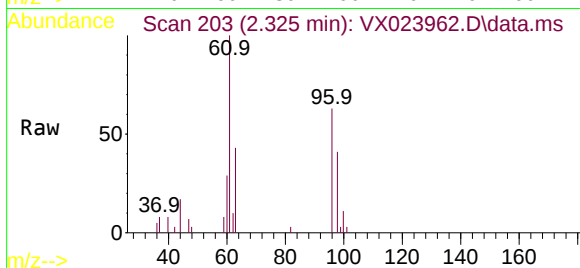
Tgt Ion: 96 Resp: 1875

Ion Ratio Lower Upper

96 100

61 158.1 124.6 187.0

98 65.4 50.6 76.0



#16

Acetone

Concen: 6.515 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX023962.D

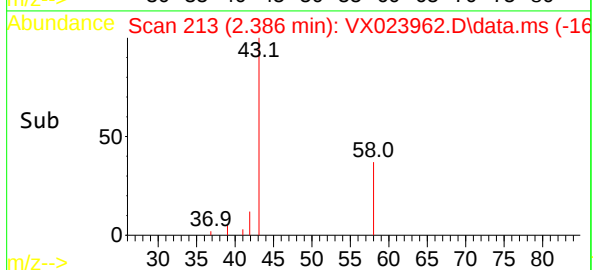
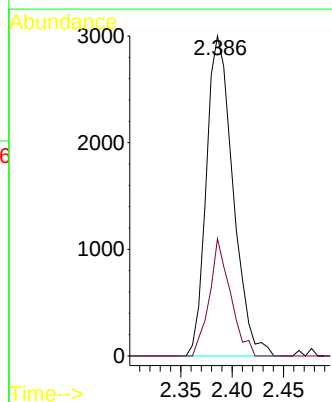
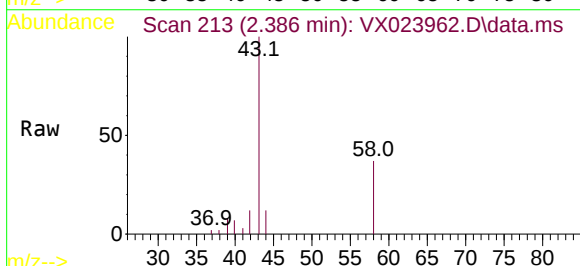
Acq: 26 Aug 2021 13:58

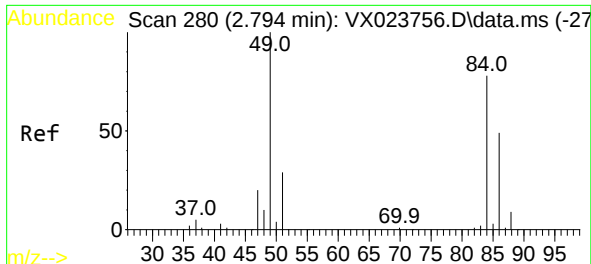
Tgt Ion: 43 Resp: 5403

Ion Ratio Lower Upper

43 100

58 36.7 27.8 41.8

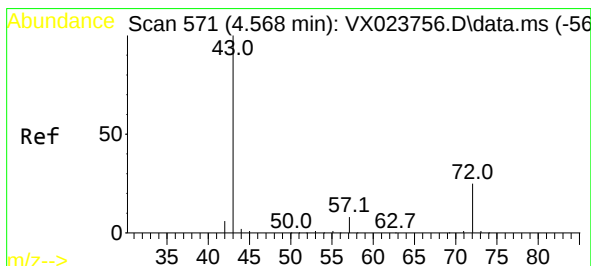
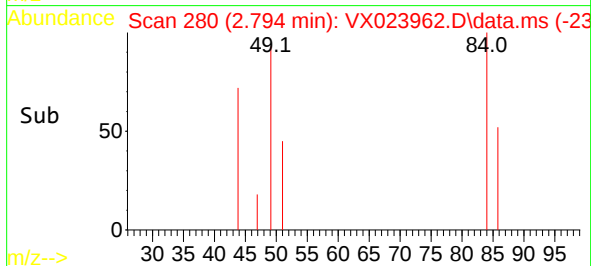
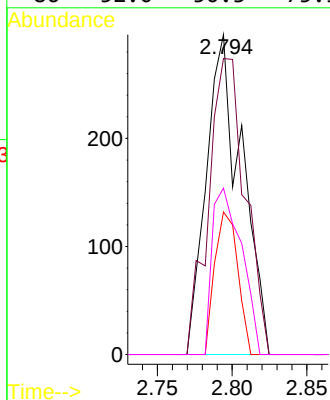
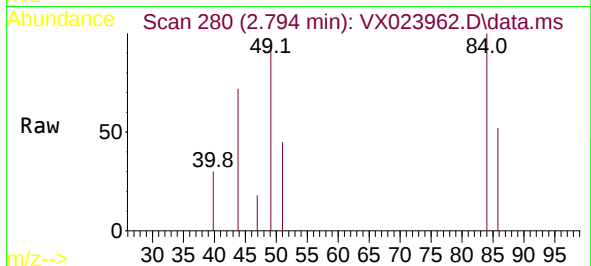




#20
Methylene Chloride
Concen: 0.309 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023962.D
Acq: 26 Aug 2021 13:58

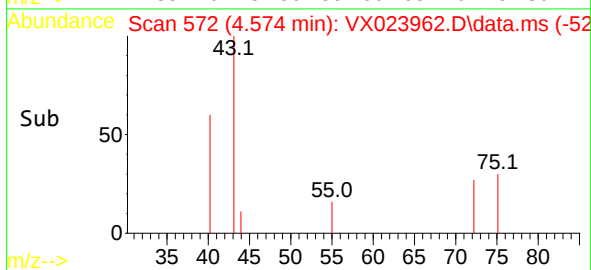
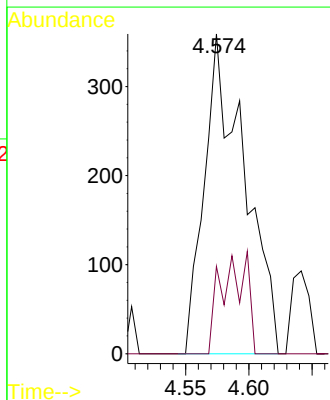
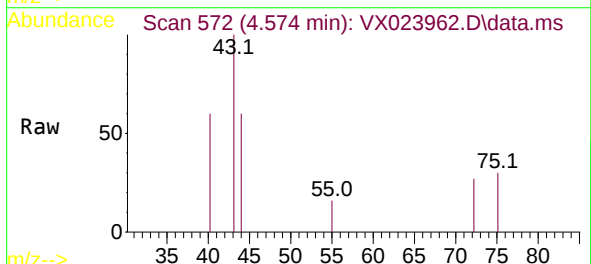
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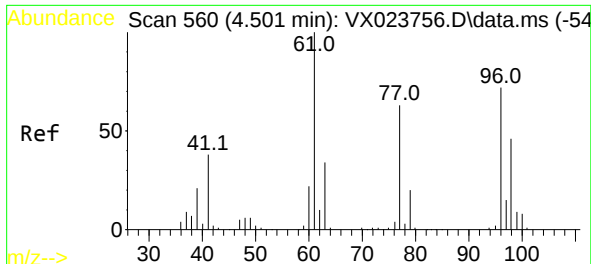
Tgt Ion:	84	Resp:	489
Ion	Ratio	Lower	Upper
84	100		
49	92.6	88.6	132.8
51	44.6	27.0	40.6#
86	52.0	50.3	75.5



#25
2-Butanone
Concen: 0.626 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX023962.D
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Tgt Ion:	43	Resp:	786
Ion	Ratio	Lower	Upper
43	100		
72	27.3	23.7	35.5

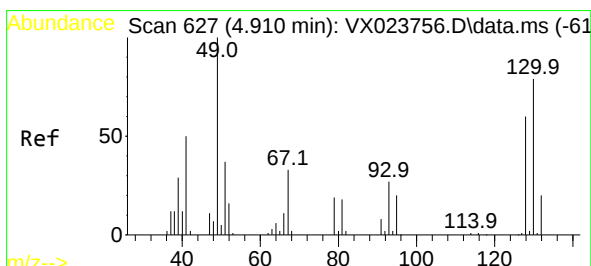
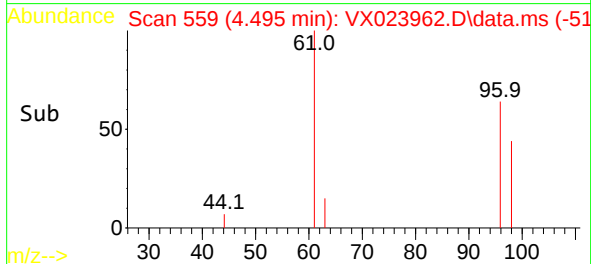
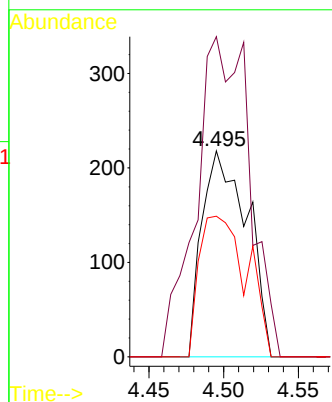
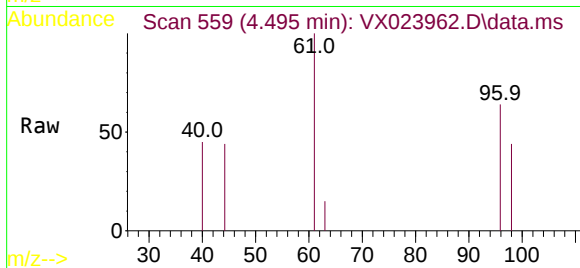




#27
cis-1,2-Dichloroethene
Concen: 0.283 ug/l
RT: 4.495 min Scan# 559
Delta R.T. -0.006 min
Lab File: VX023962.D
Acq: 26 Aug 2021 13:58

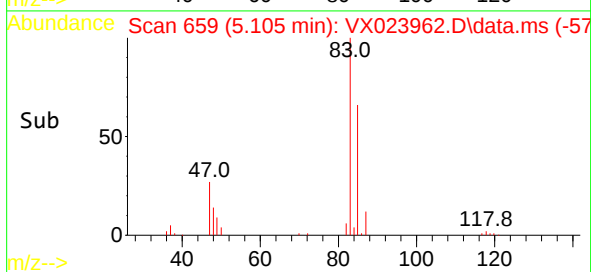
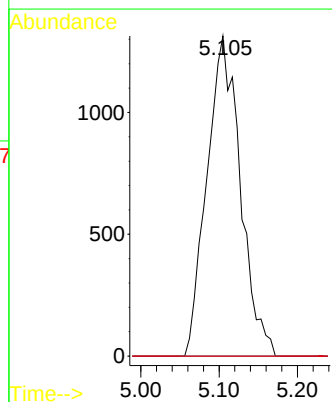
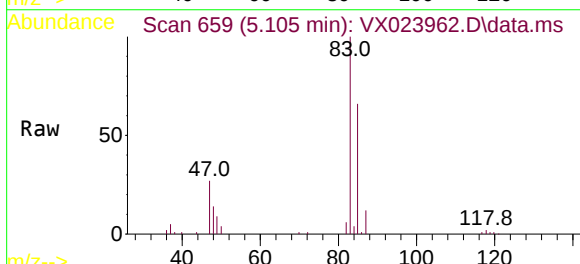
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MSVOA_X
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WVLY-SW-10-GW-082021

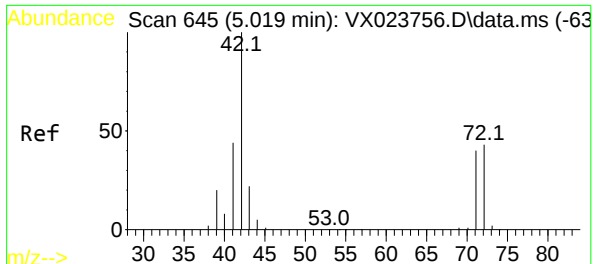
Tgt Ion: 96 Resp: 458
Ion Ratio Lower Upper
96 100
61 183.4 0.0 285.6
98 72.1 0.0 129.6



#28
Bromochloromethane
Concen: 3.287 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.195 min
Lab File: VX023962.D
Acq: 26 Aug 2021 13:58

Tgt Ion: 49 Resp: 3894
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 68.2 102.2#





#29

Tetrahydrofuran

Concen: 0.245 ug/l

RT: 5.026 min Scan# 646

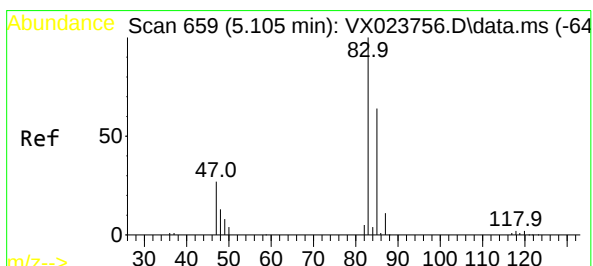
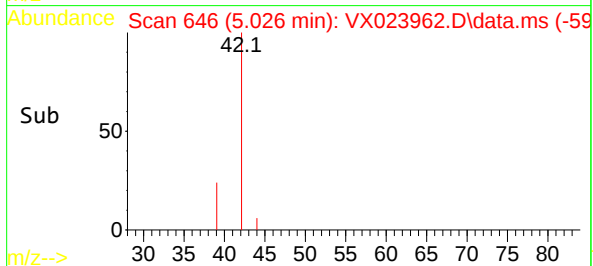
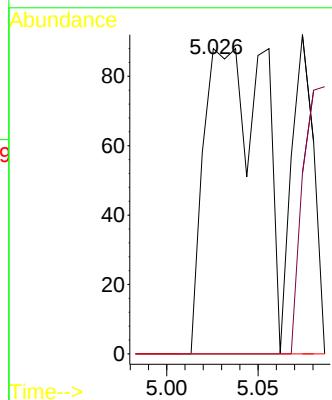
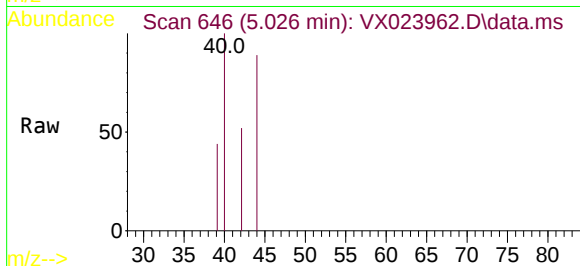
Delta R.T. 0.006 min

Lab File: VX023962.D

Acq: 26 Aug 2021 13:58

Tgt Ion:	42	Resp:	199
Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	0.0	38.4	57.6#

Instrument :
MSVOA_X
ClientSampleId :
WVLY-SW-10-GW-082021



#30

Chloroform

Concen: 16.433 ug/l

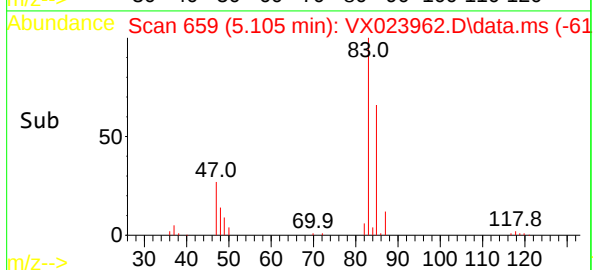
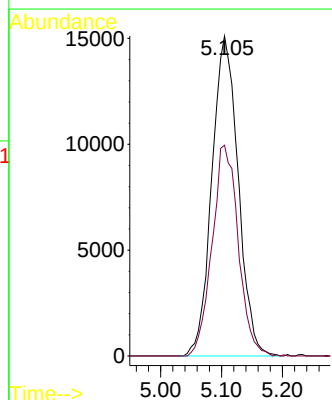
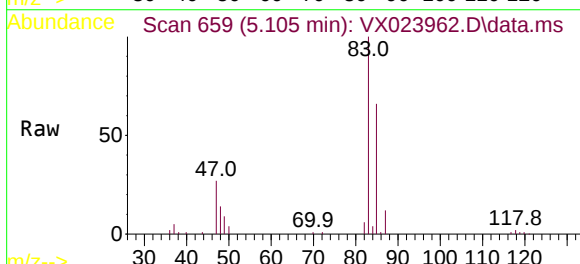
RT: 5.105 min Scan# 659

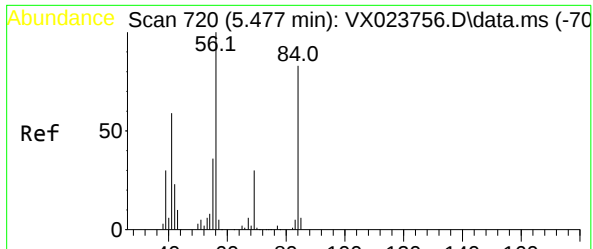
Delta R.T. -0.000 min

Lab File: VX023962.D

Acq: 26 Aug 2021 13:58

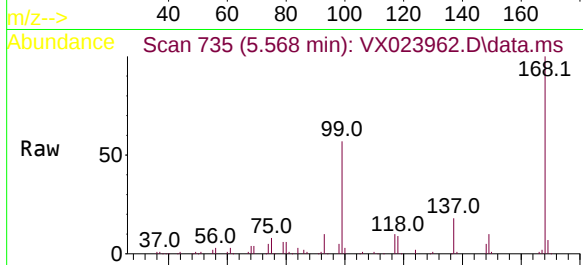
Tgt Ion:	83	Resp:	45330
Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.0	78.0



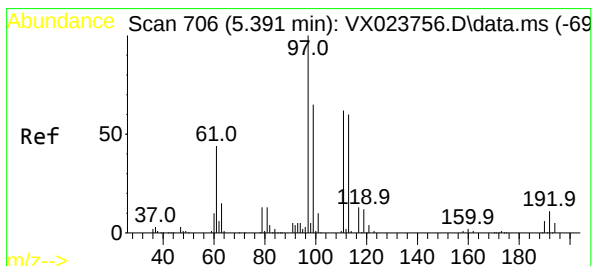
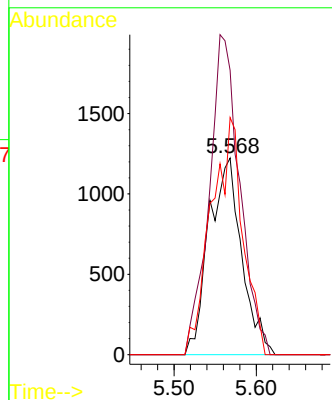
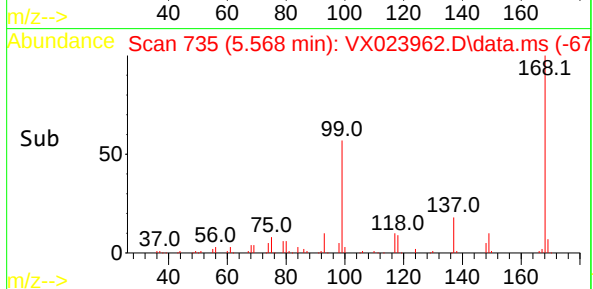


#31
Cyclohexane
Concen: 1.420 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.091 min
Lab File: VX023962.D
Acq: 26 Aug 2021 13:58

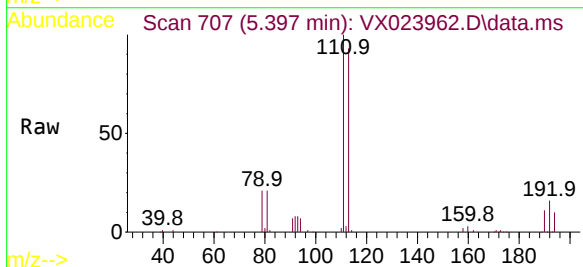
Instrument :
MSVOA_X
ClientSampleId :
WVLY-SW-10-GW-082021



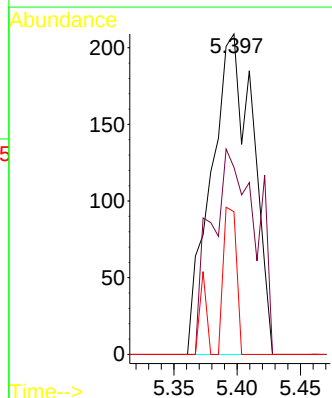
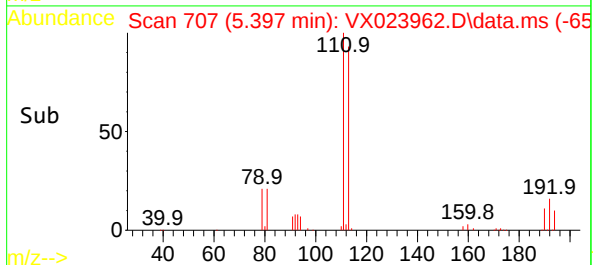
Tgt Ion: 56 Resp: 3384
Ion Ratio Lower Upper
56 100
69 144.6 25.3 37.9#
84 120.6 71.4 107.0#

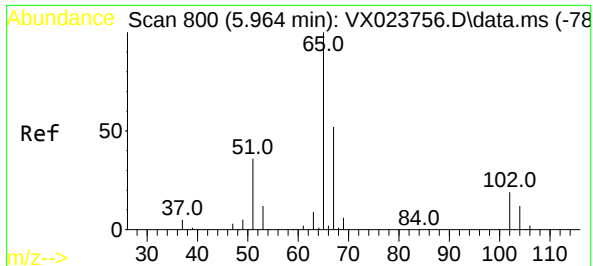


#32
1,1,1-Trichloroethane
Concen: 0.204 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX023962.D
Acq: 26 Aug 2021 13:58



Tgt Ion: 97 Resp: 481
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 0.0 34.2 51.4#



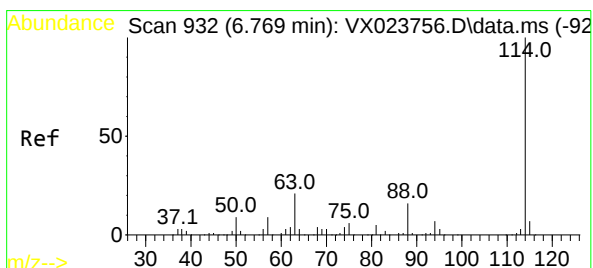
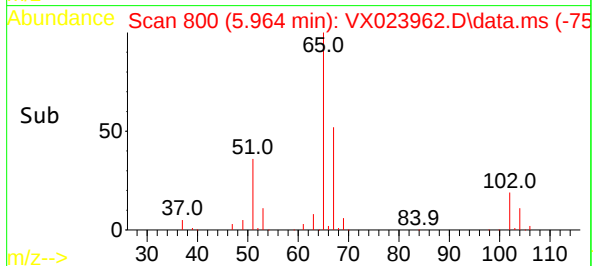
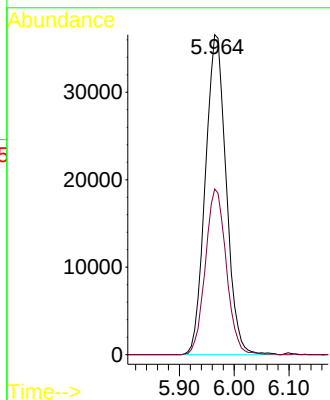
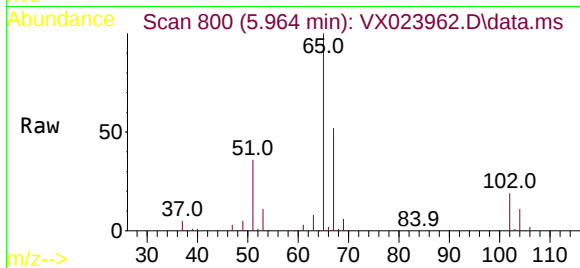


#33

1,2-Dichloroethane-d4
Concen: 52.015 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023962.D
Acq: 26 Aug 2021 13:58

Instrument :
MSVOA_X
ClientSampleId :
WVLY-SW-10-GW-082021

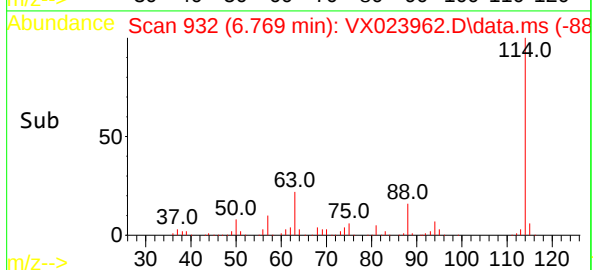
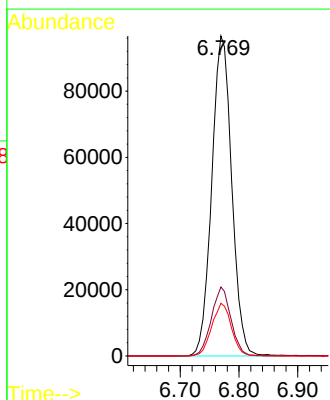
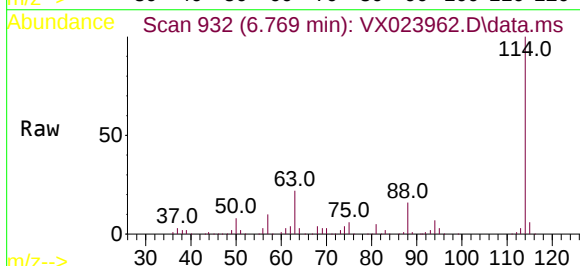
Tgt Ion: 65 Resp: 96470
Ion Ratio Lower Upper
65 100
67 52.1 0.0 105.4

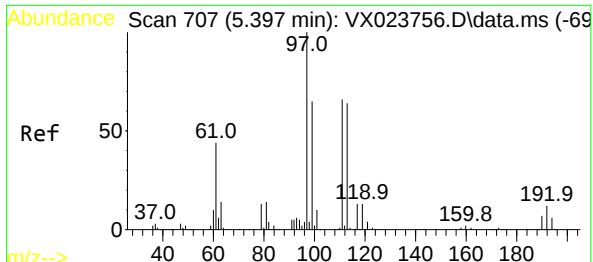


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023962.D
Acq: 26 Aug 2021 13:58

Tgt Ion: 114 Resp: 228229
Ion Ratio Lower Upper
114 100
63 21.5 0.0 40.8
88 16.4 0.0 32.8

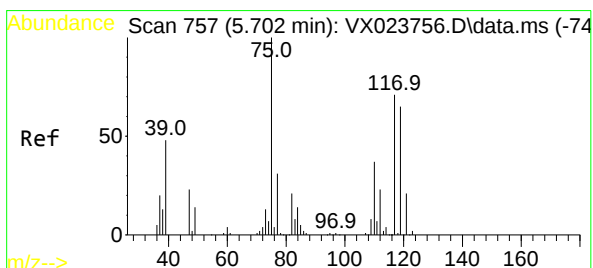
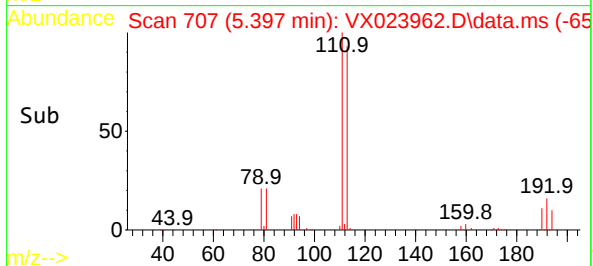
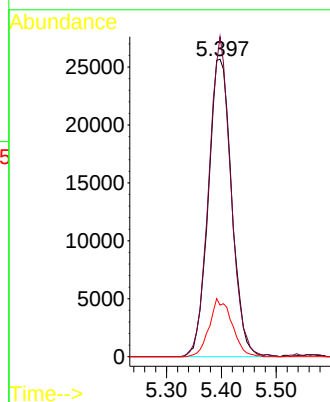
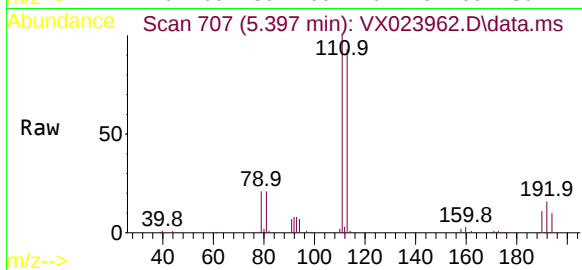




#35
Dibromofluoromethane
Concen: 50.323 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023962.D
Acq: 26 Aug 2021 13:58

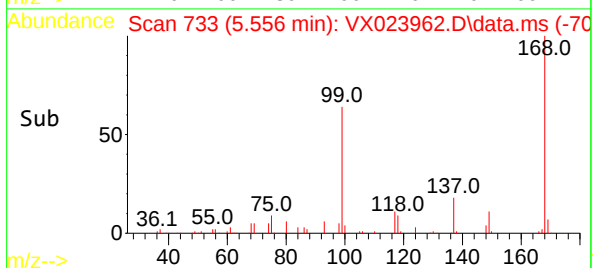
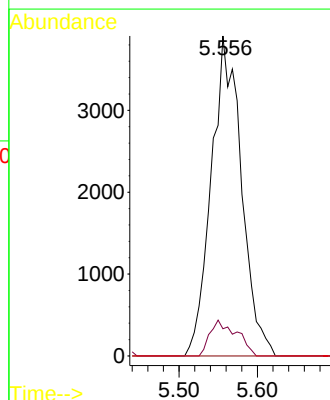
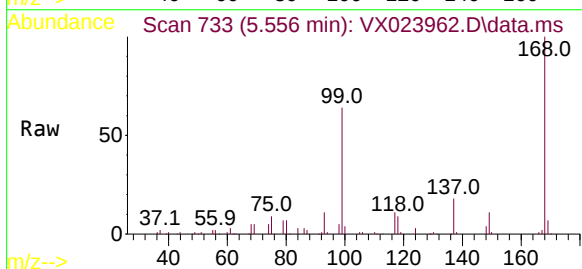
Instrument :
MSVOA_X
ClientSampleId :
WVLY-SW-10-GW-082021

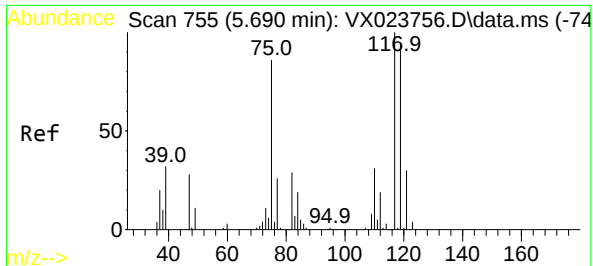
Tgt Ion:	113	Resp:	76018
Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.9	122.9
192	18.9	16.7	25.1



#36
1,1-Dichloropropene
Concen: 4.939 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX023962.D
Acq: 26 Aug 2021 13:58

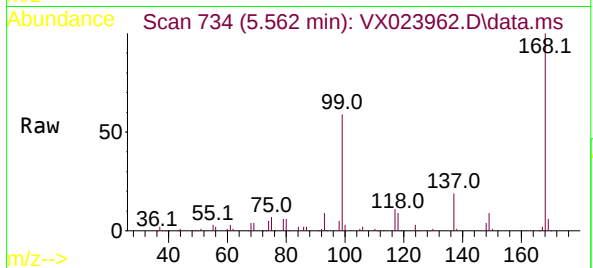
Tgt Ion:	75	Resp:	10438
Ion	Ratio	Lower	Upper
75	100		
110	9.9	18.1	54.4#
77	0.0	25.3	37.9#



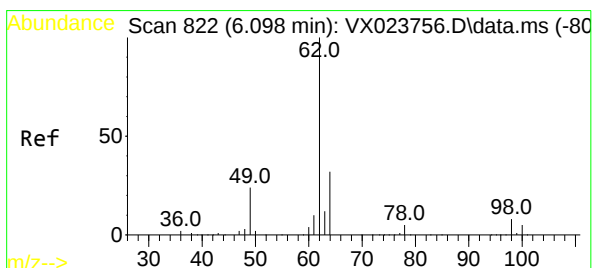
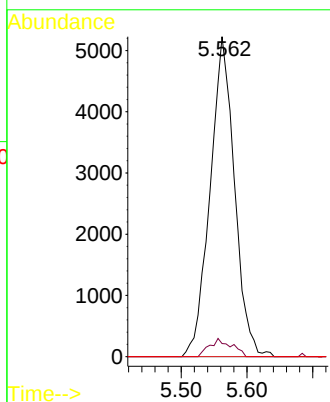
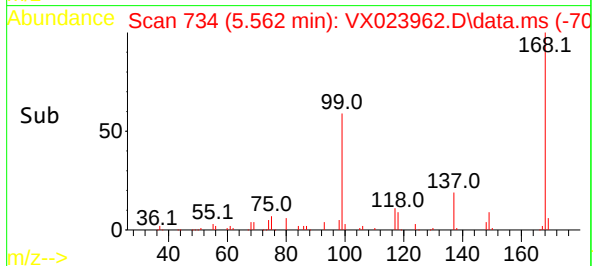


#38
Carbon Tetrachloride
Concen: 6.128 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX023962.D
Acq: 26 Aug 2021 13:58

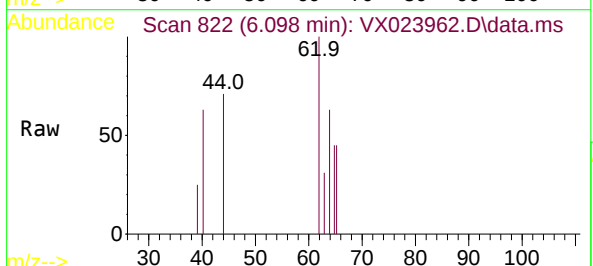
Instrument :
MSVOA_X
ClientSampleId :
WVLY-SW-10-GW-082021



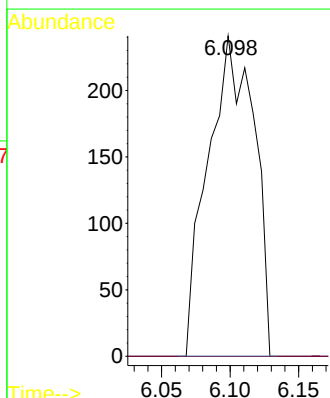
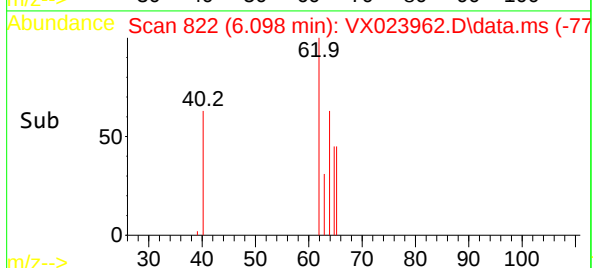
Tgt Ion:117 Resp: 13507
Ion Ratio Lower Upper
117 100
119 4.1 76.2 114.2#
121 0.0 24.8 37.2#

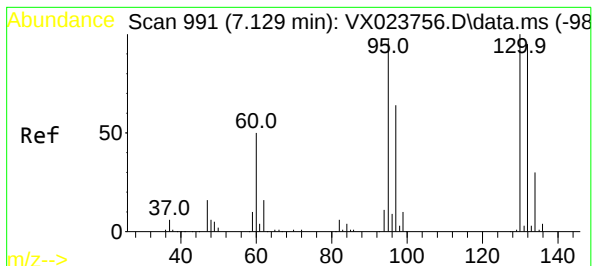


#42
1,2-Dichloroethane
Concen: 0.229 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.000 min
Lab File: VX023962.D
Acq: 26 Aug 2021 13:58



Tgt Ion: 62 Resp: 563
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2





#44

Trichloroethene

Concen: 15.832 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.006 min

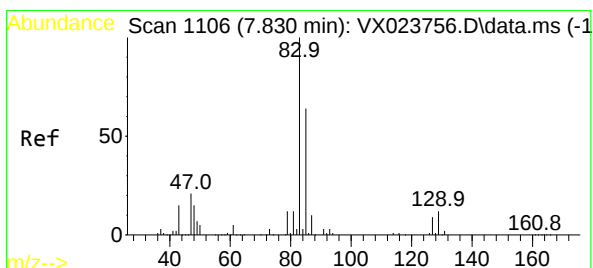
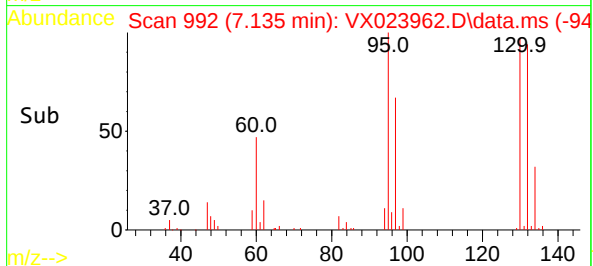
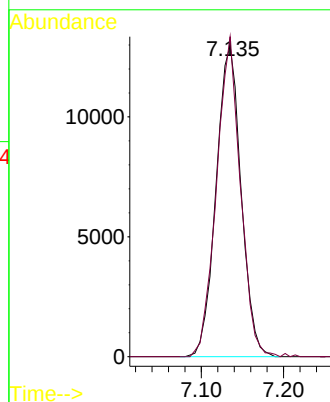
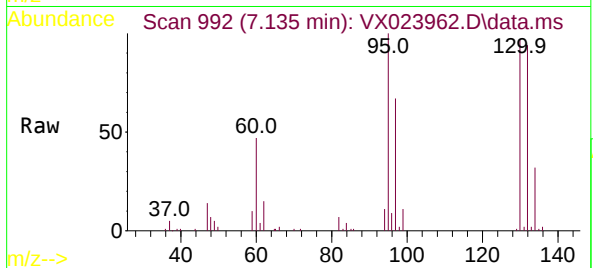
Lab File: VX023962.D

Acq: 26 Aug 2021 13:58

Tgt Ion:130 Resp: 27333

Ion Ratio Lower Upper

130	100		
95	102.8	0.0	198.0



#47

Bromodichloromethane

Concen: 0.896 ug/l

RT: 7.836 min Scan# 1107

Delta R.T. 0.006 min

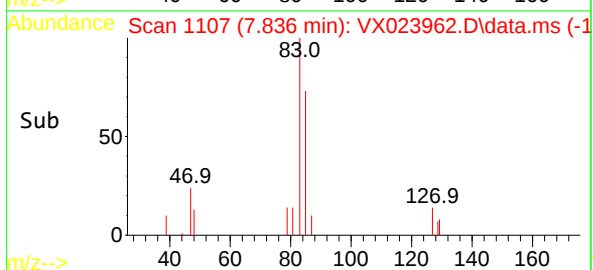
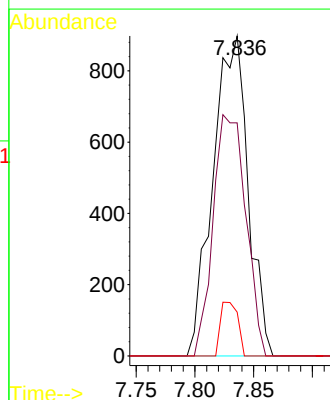
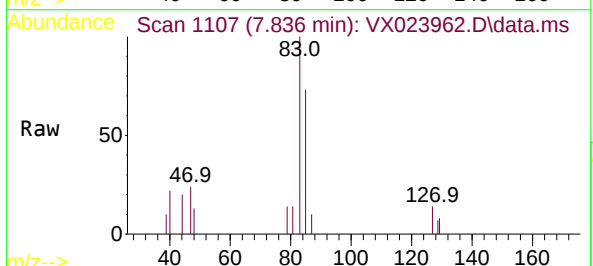
Lab File: VX023962.D

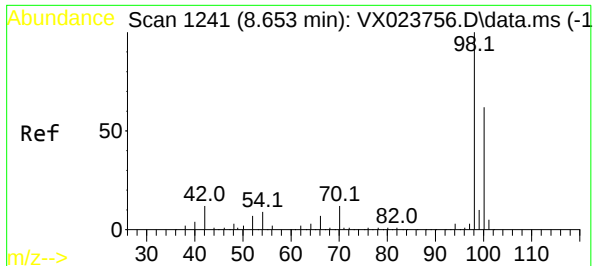
Acq: 26 Aug 2021 13:58

Tgt Ion: 83 Resp: 1871

Ion Ratio Lower Upper

83	100		
85	72.8	51.4	77.0
127	13.7	6.8	10.2

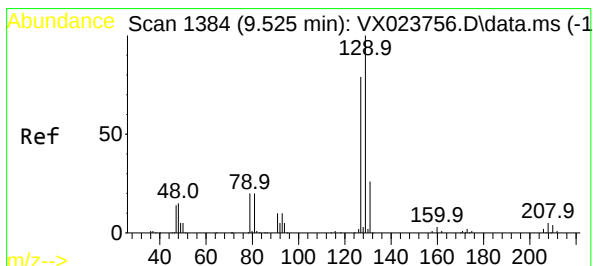
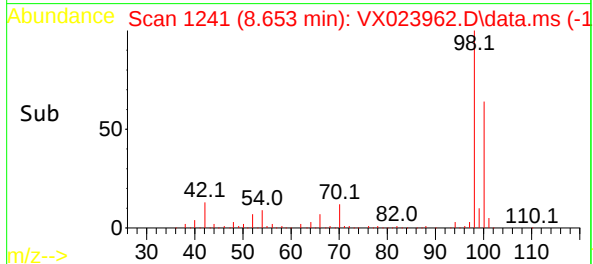
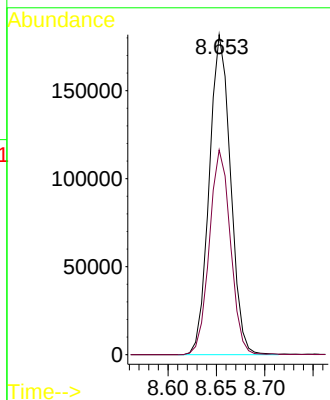
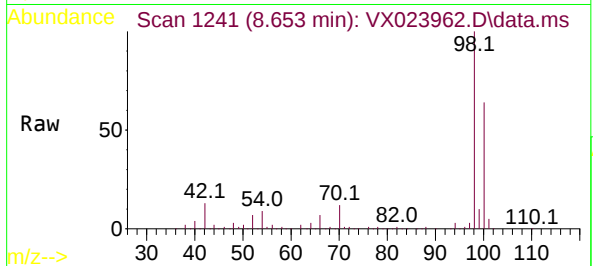




#50
Toluene-d8
Concen: 48.408 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023962.D
Acq: 26 Aug 2021 13:58

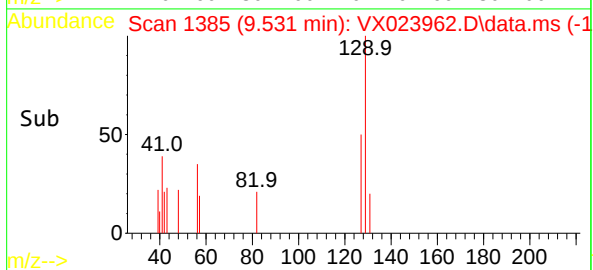
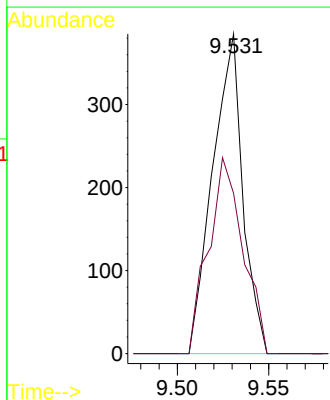
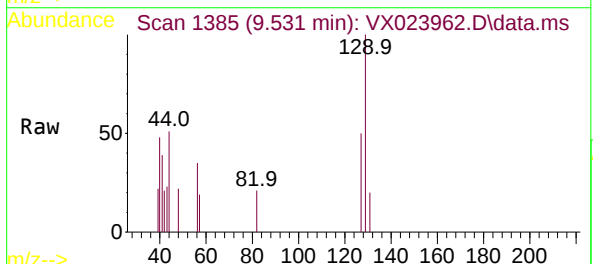
Instrument :
MSVOA_X
ClientSampleId :
WVLY-SW-10-GW-082021

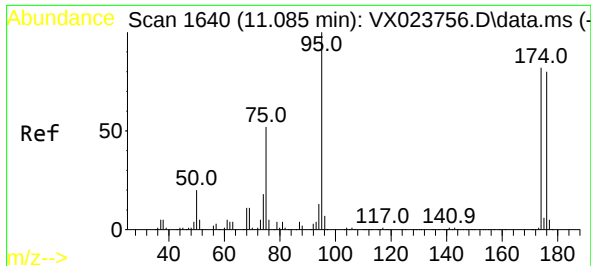
Tgt Ion: 98 Resp: 278318
Ion Ratio Lower Upper
98 100
100 63.4 51.9 77.9



#60
Dibromochloromethane
Concen: 1.919 ug/l
RT: 9.531 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VX023962.D
Acq: 26 Aug 2021 13:58

Tgt Ion: 129 Resp: 441
Ion Ratio Lower Upper
129 100
127 70.5 38.4 115.2

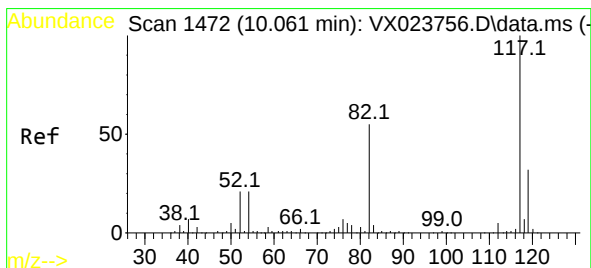
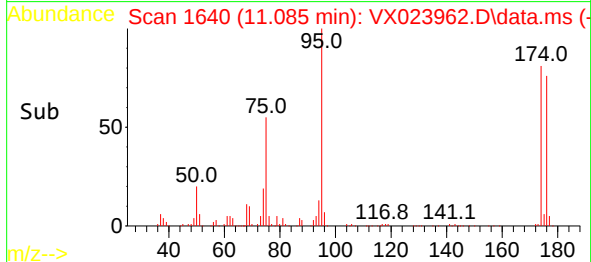
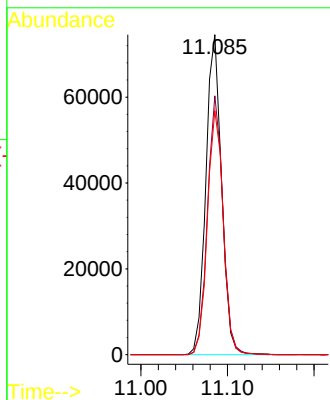
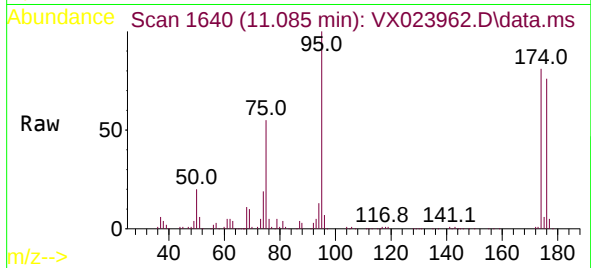




#62
4-Bromofluorobenzene
Concen: 44.291 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023962.D
Acq: 26 Aug 2021 13:58

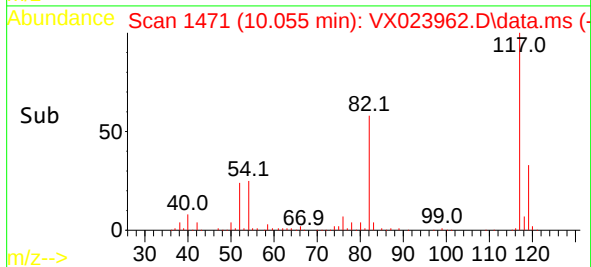
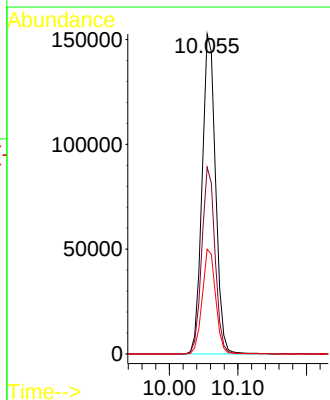
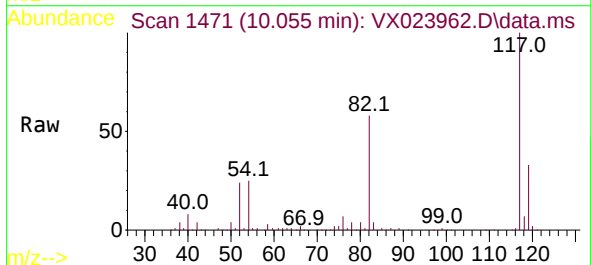
Instrument :
MSVOA_X
ClientSampleId :
WVLY-SW-10-GW-082021

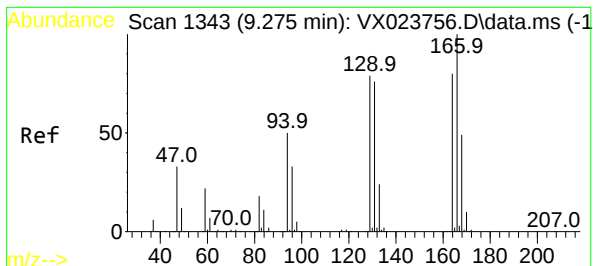
Tgt Ion: 95 Resp: 93743
Ion Ratio Lower Upper
95 100
174 80.4 0.0 154.6
176 76.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023962.D
Acq: 26 Aug 2021 13:58

Tgt Ion: 117 Resp: 208980
Ion Ratio Lower Upper
117 100
82 58.3 47.4 71.2
119 32.8 26.6 39.8





#64

Tetrachloroethene

Concen: 0.297 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. 0.006 min

Lab File: VX023962.D

Acq: 26 Aug 2021 13:58

Instrument :

MSVOA_X

ClientSampleId :

WVLY-SW-10-GW-082021

Tgt Ion:164 Resp: 495

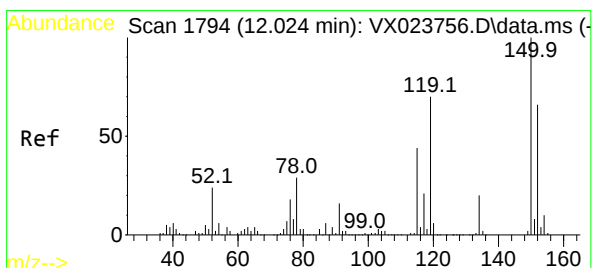
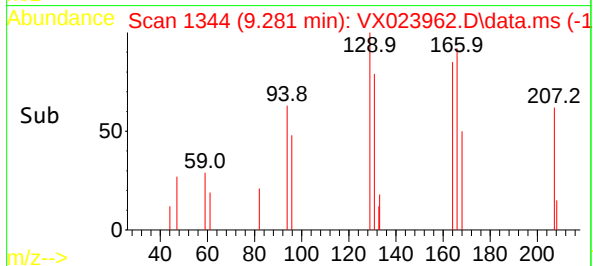
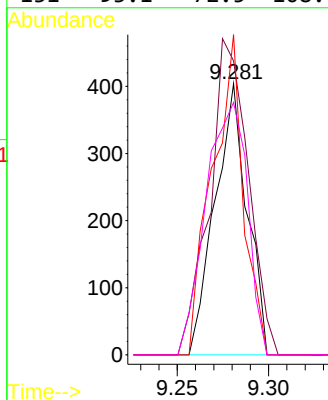
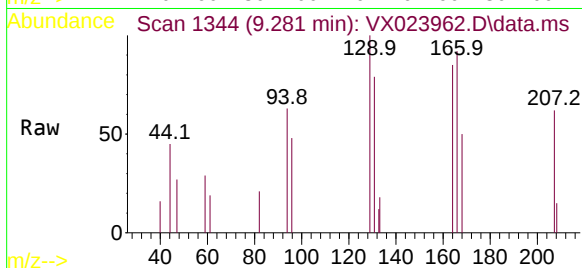
Ion Ratio Lower Upper

164 100

166 108.4 103.4 155.2

129 118.1 70.8 106.2#

131 93.1 72.5 108.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX023962.D

Acq: 26 Aug 2021 13:58

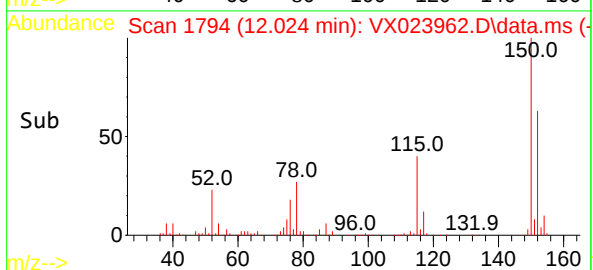
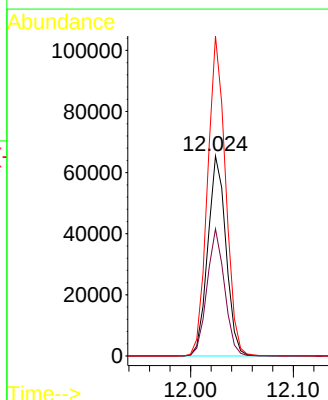
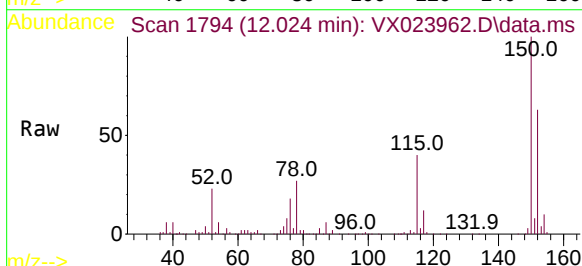
Tgt Ion:152 Resp: 80222

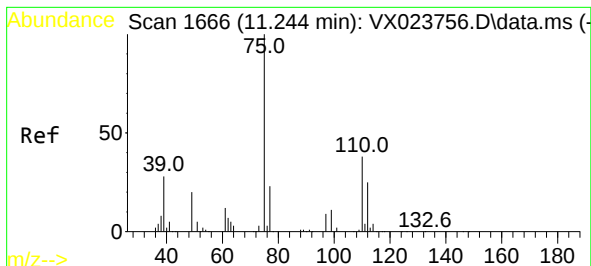
Ion Ratio Lower Upper

152 100

115 61.2 41.1 123.3

150 158.5 0.0 349.0

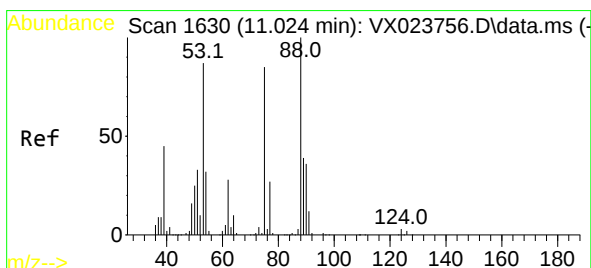
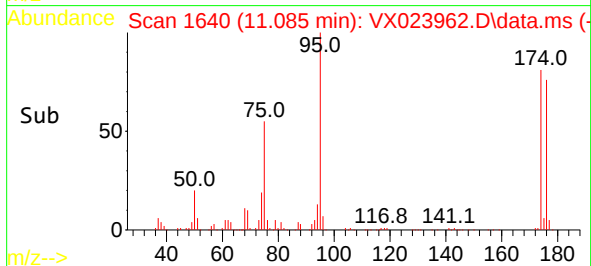
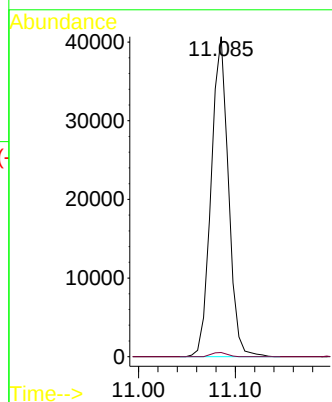
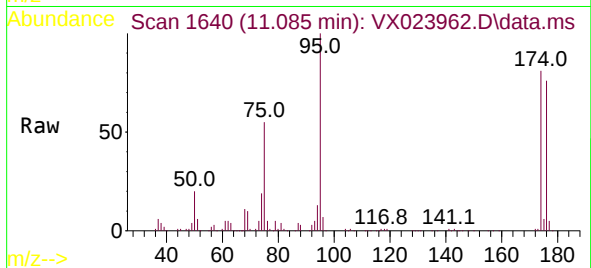




#76
1,2,3-Trichloropropane
Concen: 26.997 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023962.D
Acq: 26 Aug 2021 13:58

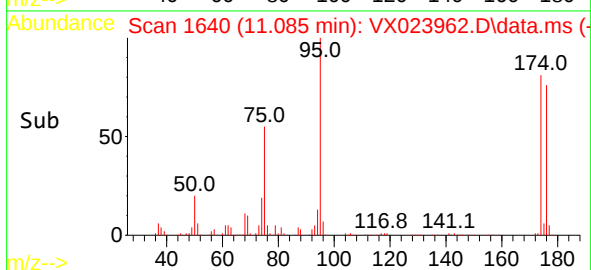
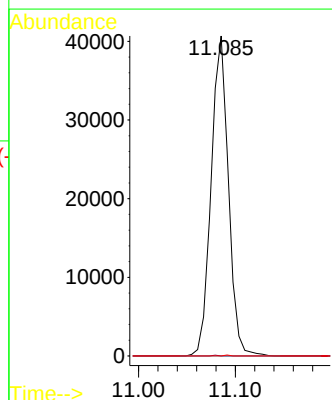
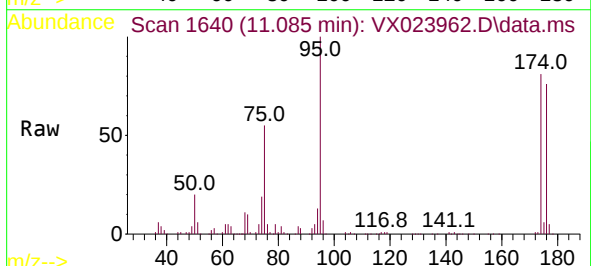
Instrument :
MSVOA_X
ClientSampleId :
WVLY-SW-10-GW-082021

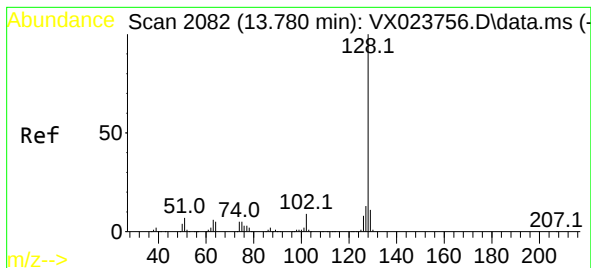
Tgt Ion: 75 Resp: 50522
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.414 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023962.D
Acq: 26 Aug 2021 13:58

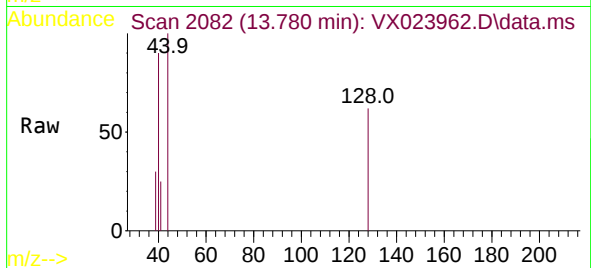
Tgt Ion: 75 Resp: 50522
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.1 37.9 56.9#





#95
Naphthalene
Concen: 1.317 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023962.D
Acq: 26 Aug 2021 13:58

Instrument :
MSVOA_X
ClientSampleId :
WVLY-SW-10-GW-082021



Tgt Ion:128 Resp: 210
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

