

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082521\Not Reviewed Data\
 Data File : VX023949.D
 Acq On : 25 Aug 2021 19:26
 Operator : JC/MD
 Sample : M3525-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WVLY-SW-3-GW-082221

Quant Time: Aug 26 17:40:13 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)

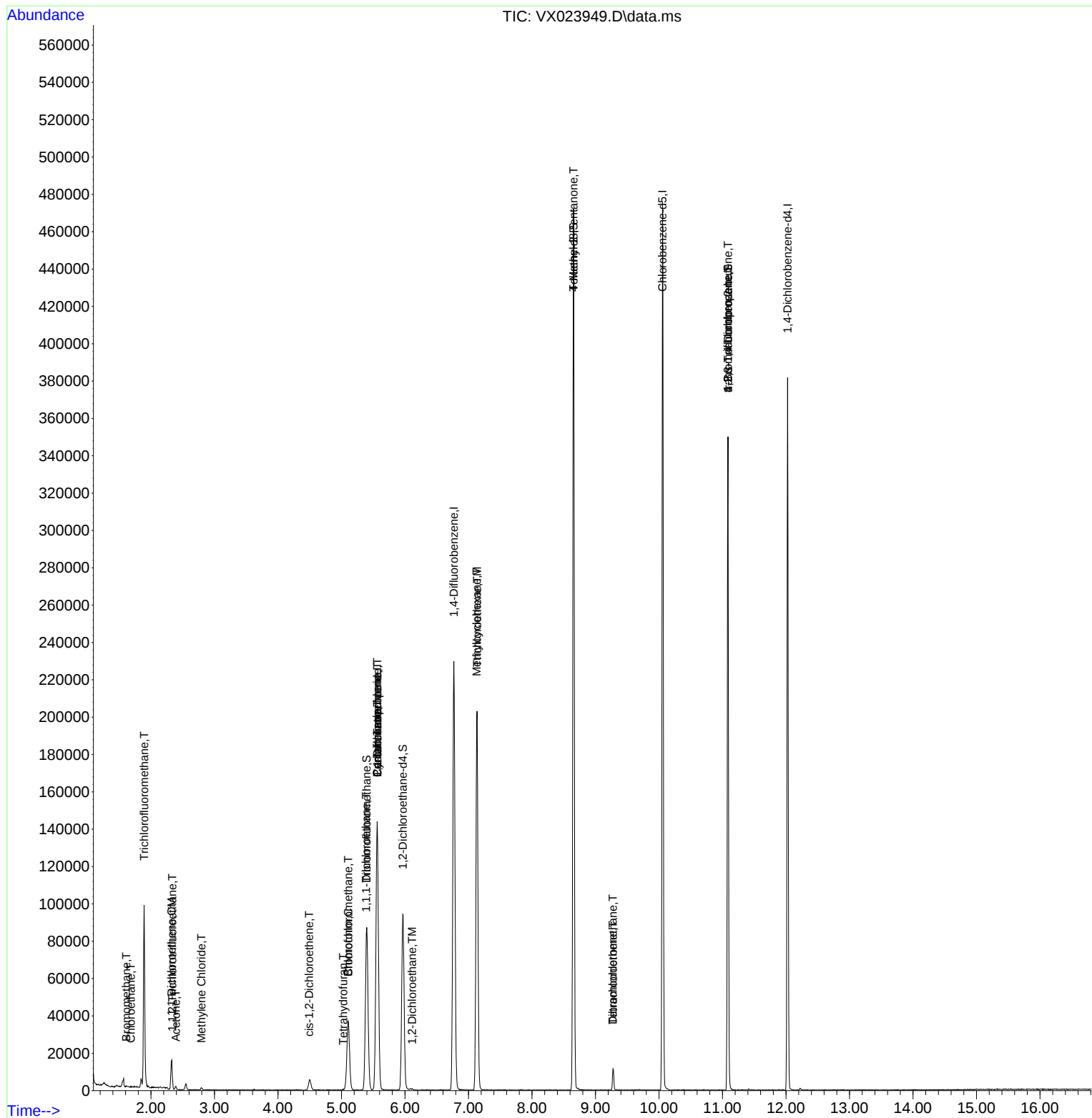
Internal Standards						
1) Pentafluorobenzene	5.562	168	131830	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	225582	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	205472	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	77417	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	93684	50.917	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.840%
35) Dibromofluoromethane	5.397	113	72844	48.788	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.580%
50) Toluene-d8	8.653	98	267480	47.069	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.140%
62) 4-Bromofluorobenzene	11.086	95	86199	41.205	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	82.400%#
Target Compounds						Qvalue
5) Bromomethane	1.612	94	401	0.428	ug/l #	80
6) Chloroethane	1.685	64	97	2.292	ug/l #	43
7) Trichlorofluoromethane	1.892	101	60056	25.538	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.337	101	393	0.297	ug/l #	85
12) 1,1-Dichloroethene	2.325	96	4772	3.772	ug/l	91
16) Acetone	2.392	43	1839	2.235	ug/l #	79
20) Methylene Chloride	2.794	84	607	0.386	ug/l	94
27) cis-1,2-Dichloroethene	4.489	96	3632	2.259	ug/l	94
28) Bromochloromethane	5.105	49	3827	3.257	ug/l #	9
29) Tetrahydrofuran	5.026	42	351	0.435	ug/l #	44
30) Chloroform	5.105	83	43309	15.826	ug/l	97
31) Cyclohexane	5.562	56	3193	1.351	ug/l #	53
32) 1,1,1-Trichloroethane	5.385	97	1180	0.504	ug/l #	41
36) 1,1-Dichloropropene	5.562	75	10690	5.117	ug/l #	48
38) Carbon Tetrachloride	5.562	117	13587	6.237	ug/l #	17
39) Methylcyclohexane	7.129	83	969	0.381	ug/l #	1
42) 1,2-Dichloroethane	6.111	62	923	0.380	ug/l #	73
44) Trichloroethene	7.135	130	76615	44.898	ug/l	99
51) 4-Methyl-2-Pentanone	8.653	43	1421	0.547	ug/l #	1
60) Dibromochloromethane	9.275	129	1932	2.714	ug/l #	11
64) Tetrachloroethene	9.275	164	2191	1.335	ug/l	93
76) 1,2,3-Trichloropropane	11.086	75	47305	26.194	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.086	75	47305	77.051	ug/l #	12

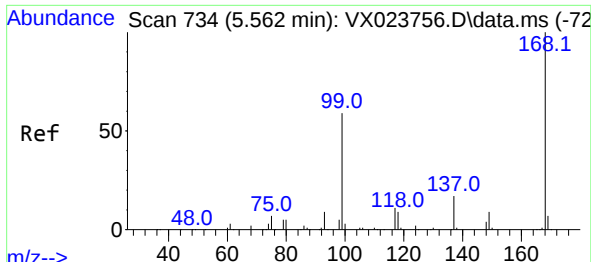
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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WVLY-SW-3-GW-082221

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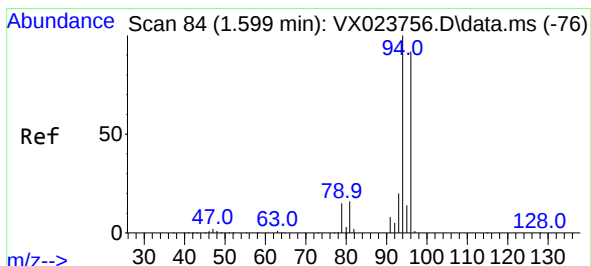
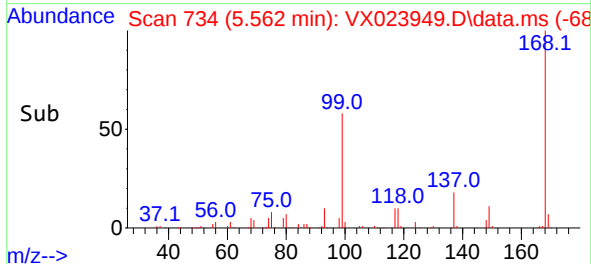
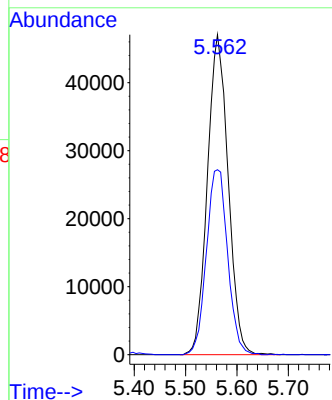
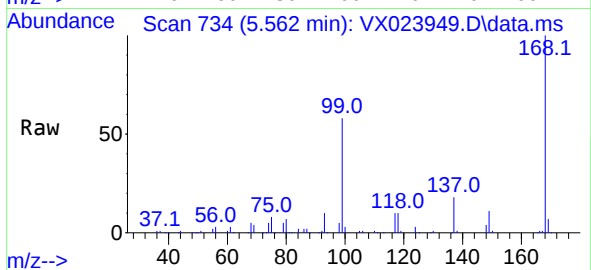




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023949.D
Acq: 25 Aug 2021 19:26

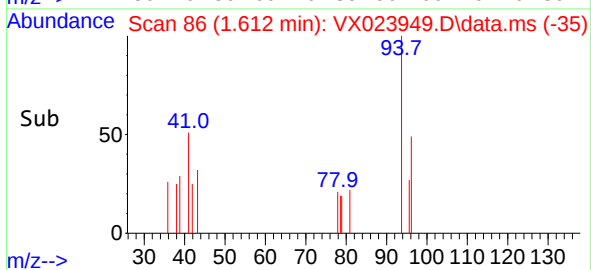
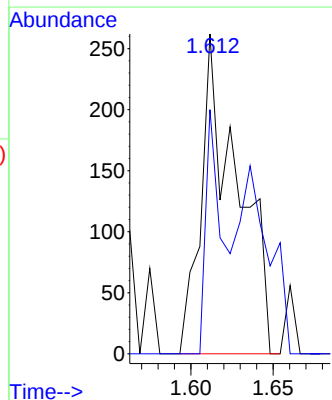
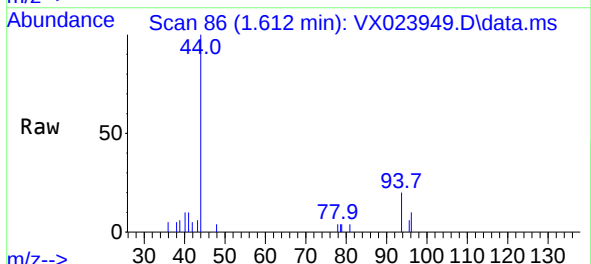
Instrument :
MSVOA_X
ClientSampleId :
WVLY-SW-3-GW-082221

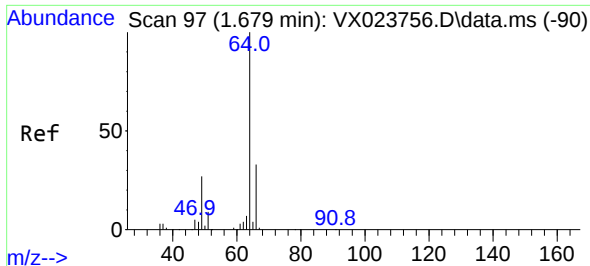
Tgt Ion:168 Resp: 131830
Ion Ratio Lower Upper
168 100
99 57.8 45.8 68.6



#5
Bromomethane
Concen: 0.428 ug/l
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX023949.D
Acq: 25 Aug 2021 19:26

Tgt Ion: 94 Resp: 401
Ion Ratio Lower Upper
94 100
96 76.3 76.4 114.6#

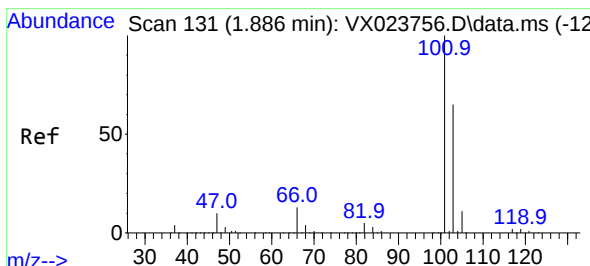
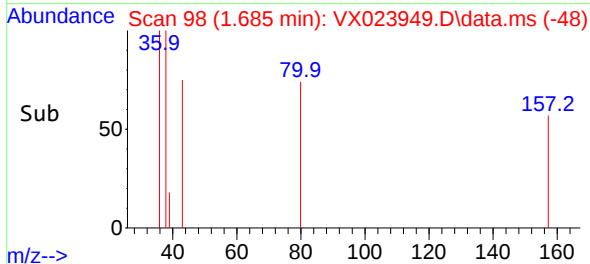
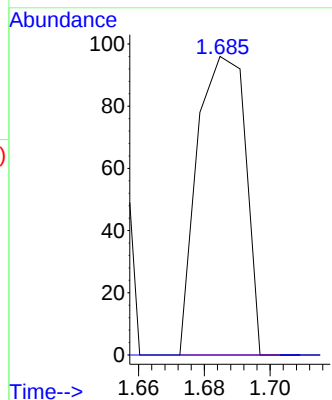
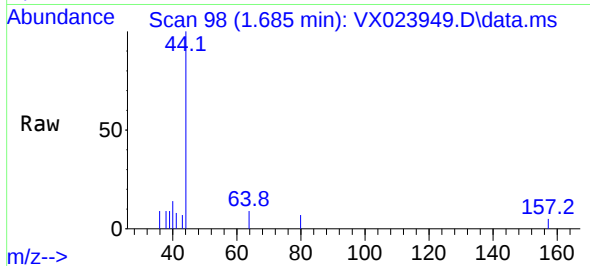




#6
Chloroethane
Concen: 2.292 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX023949.D
Acq: 25 Aug 2021 19:26

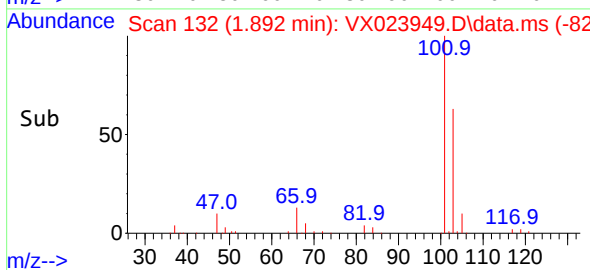
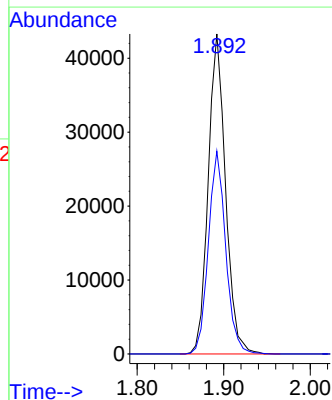
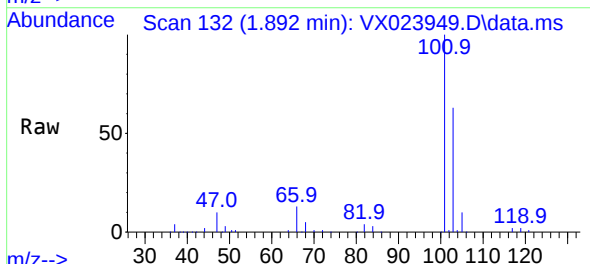
Instrument :
MSVOA_X
ClientSampleId :
WVLY-SW-3-GW-082221

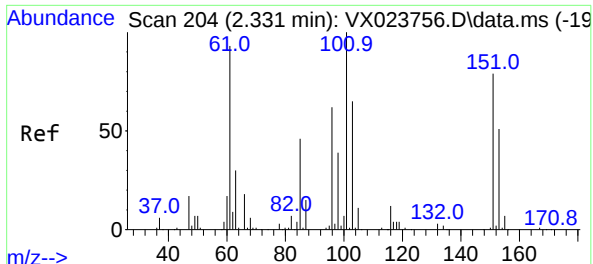
Tgt Ion: 64 Resp: 97
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#7
Trichlorofluoromethane
Concen: 25.538 ug/l
RT: 1.892 min Scan# 132
Delta R.T. 0.006 min
Lab File: VX023949.D
Acq: 25 Aug 2021 19:26

Tgt Ion: 101 Resp: 60056
Ion Ratio Lower Upper
101 100
103 63.4 53.2 79.8

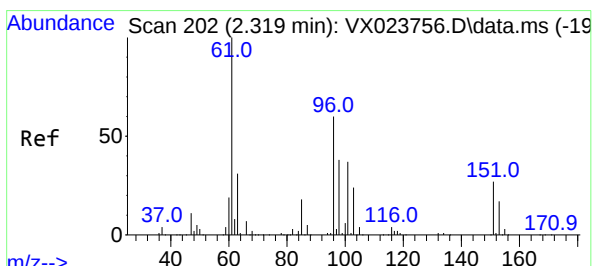
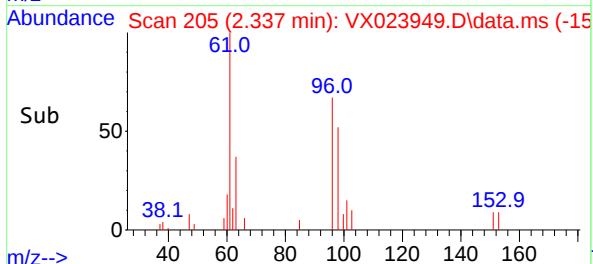
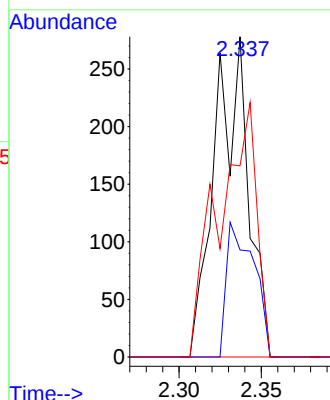
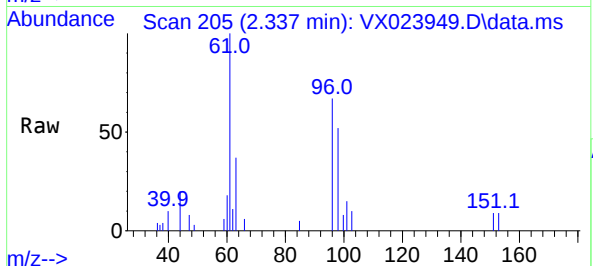




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.297 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: VX023949.D
Acq: 25 Aug 2021 19:26

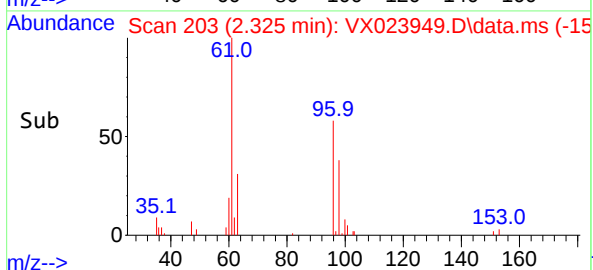
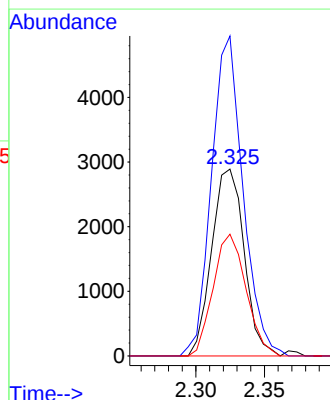
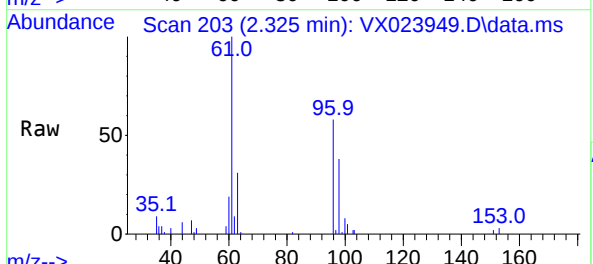
Instrument :
MSVOA_X
ClientSampleId :
WVLY-SW-3-GW-082221

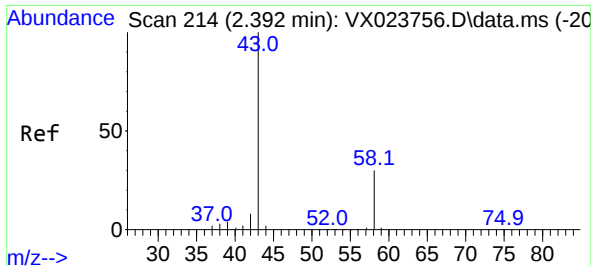
Tgt Ion:101 Resp: 393
Ion Ratio Lower Upper
101 100
85 34.4 34.9 52.3#
151 90.6 61.4 92.2



#12
1,1-Dichloroethene
Concen: 3.772 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX023949.D
Acq: 25 Aug 2021 19:26

Tgt Ion: 96 Resp: 4772
Ion Ratio Lower Upper
96 100
61 171.2 124.6 187.0
98 65.1 50.6 76.0

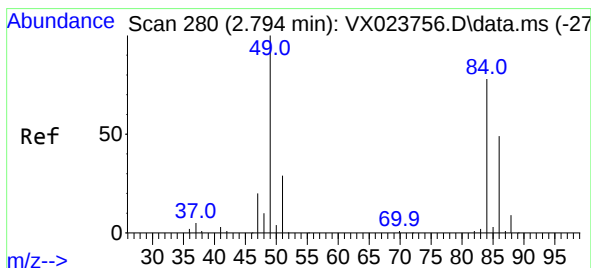
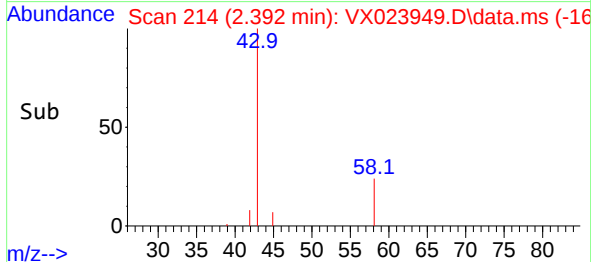
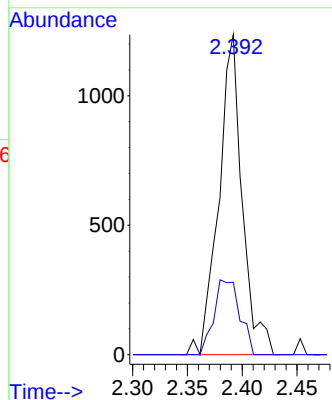
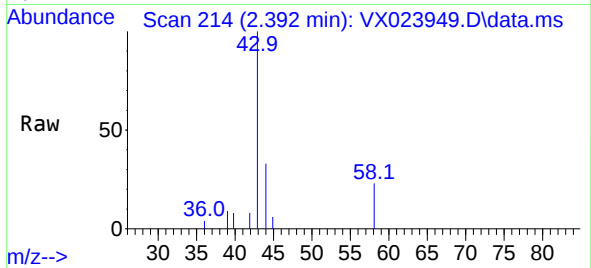




#16
Acetone
Concen: 2.235 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023949.D
Acq: 25 Aug 2021 19:26

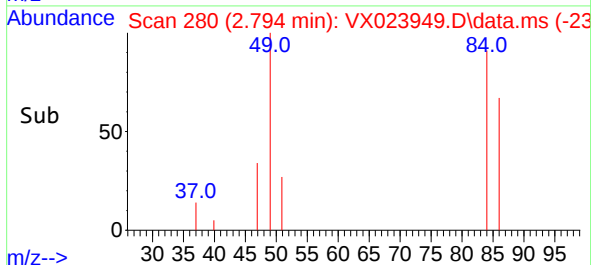
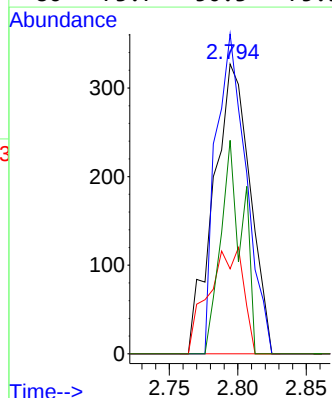
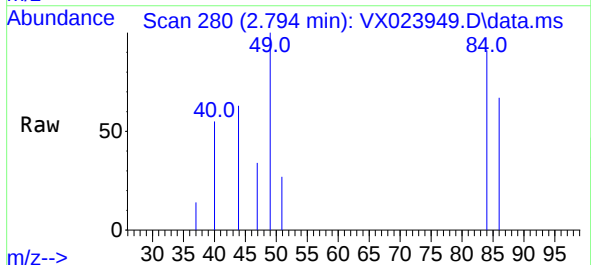
Instrument :
MSVOA_X
ClientSampleId :
WVLY-SW-3-GW-082221

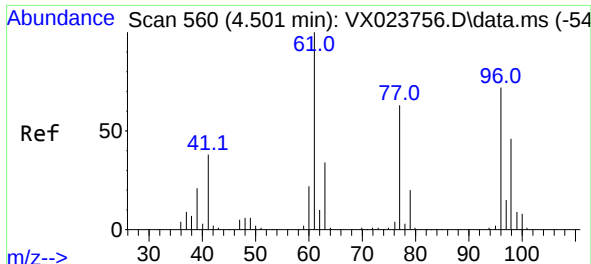
Tgt Ion: 43 Resp: 1839
Ion Ratio Lower Upper
43 100
58 22.7 27.8 41.8#



#20
Methylene Chloride
Concen: 0.386 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023949.D
Acq: 25 Aug 2021 19:26

Tgt Ion: 84 Resp: 607
Ion Ratio Lower Upper
84 100
49 110.4 88.6 132.8
51 29.4 27.0 40.6
86 73.7 50.3 75.5



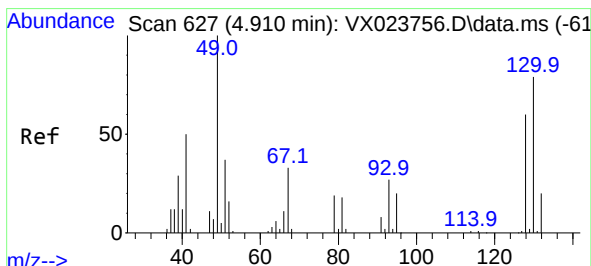
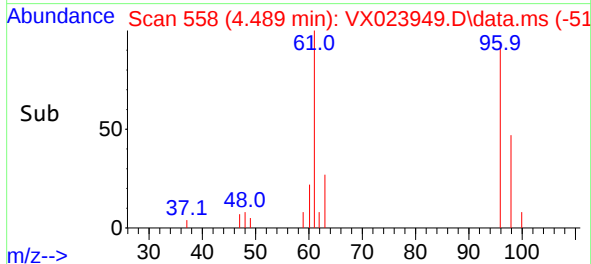
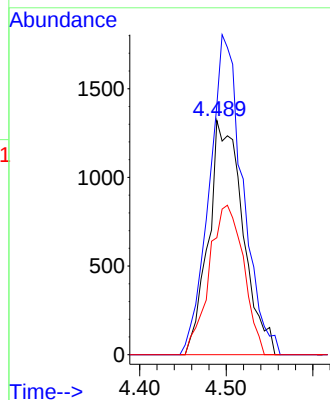
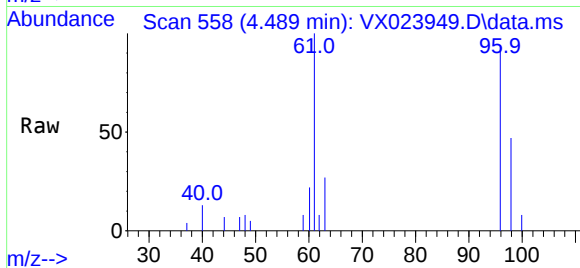


#27
 cis-1,2-Dichloroethene
 Concen: 2.259 ug/l
 RT: 4.489 min Scan# 558
 Delta R.T. -0.012 min
 Lab File: VX023949.D
 Acq: 25 Aug 2021 19:26

Instrument :
 MSVOA_X
 ClientSampleId :
 WVLY-SW-3-GW-082221

Tgt Ion: 96 Resp: 3632

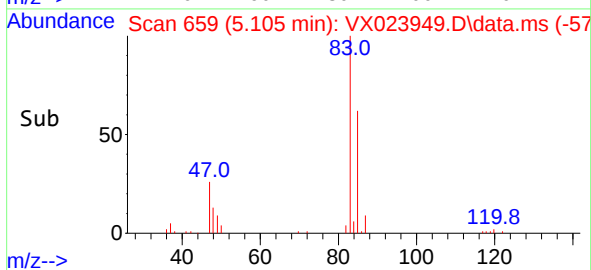
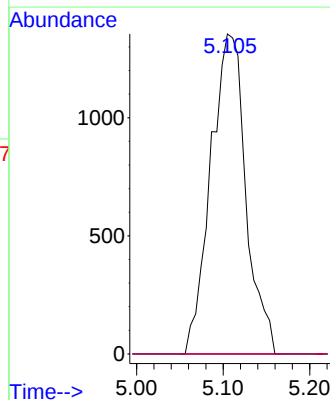
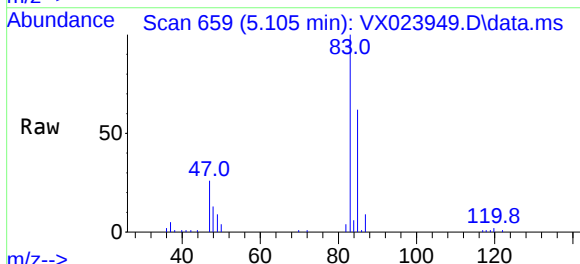
Ion	Ratio	Lower	Upper
96	100		
61	133.3	0.0	285.6
98	64.1	0.0	129.6

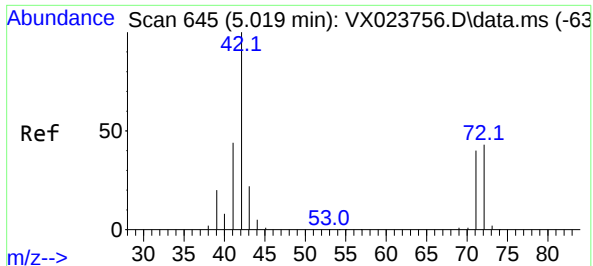


#28
 Bromochloromethane
 Concen: 3.257 ug/l
 RT: 5.105 min Scan# 659
 Delta R.T. 0.195 min
 Lab File: VX023949.D
 Acq: 25 Aug 2021 19:26

Tgt Ion: 49 Resp: 3827

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	0.0	68.2	102.2#





#29

Tetrahydrofuran

Concen: 0.435 ug/l

RT: 5.026 min Scan# 646

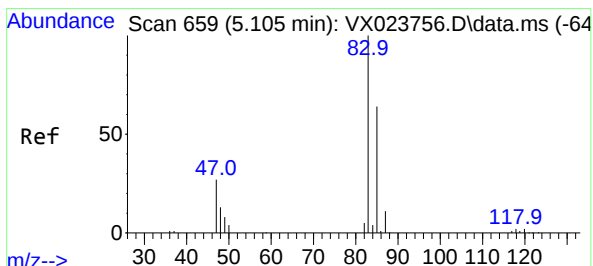
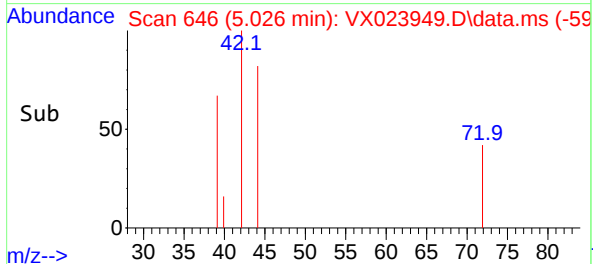
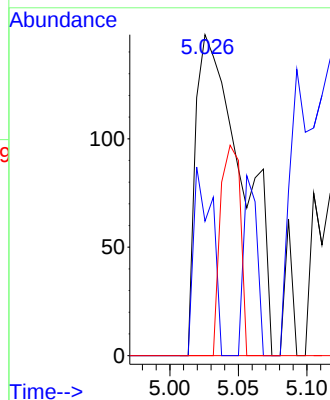
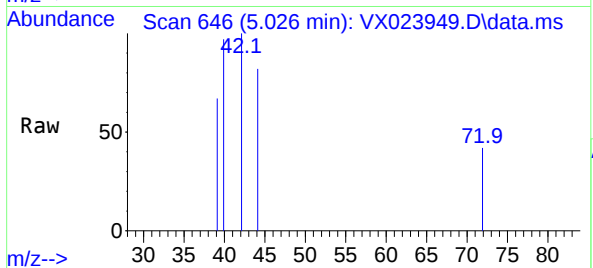
Delta R.T. 0.007 min

Lab File: VX023949.D

Acq: 25 Aug 2021 19:26

Tgt Ion:	42	Resp:	351
Ion	Ratio	Lower	Upper
42	100		
72	23.1	41.7	62.5#
71	0.0	38.4	57.6#

Instrument :
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#30

Chloroform

Concen: 15.826 ug/l

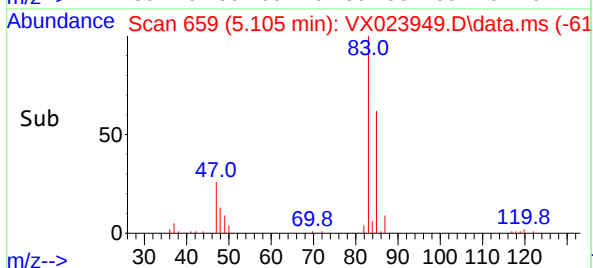
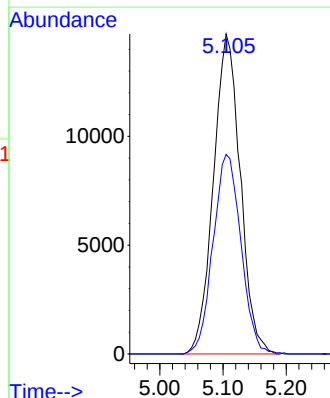
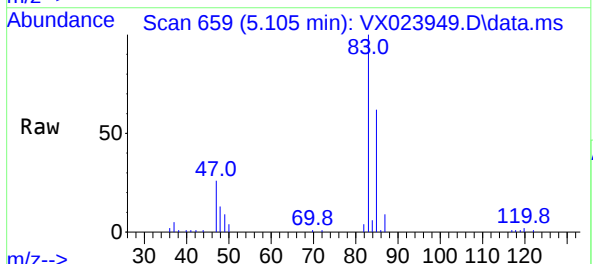
RT: 5.105 min Scan# 659

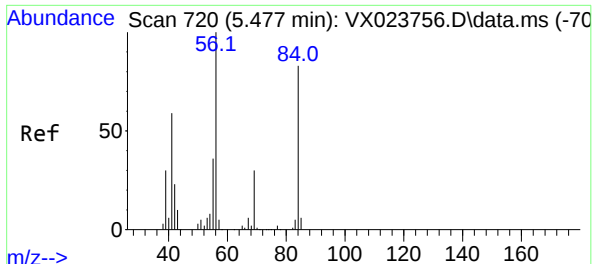
Delta R.T. -0.000 min

Lab File: VX023949.D

Acq: 25 Aug 2021 19:26

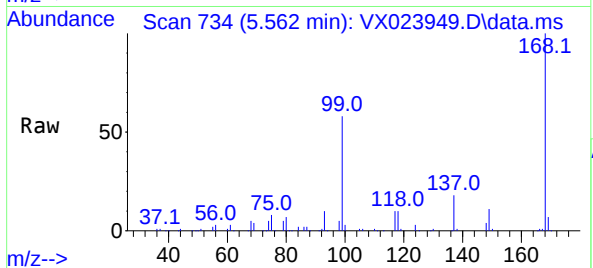
Tgt Ion:	83	Resp:	43309
Ion	Ratio	Lower	Upper
83	100		
85	62.4	52.0	78.0



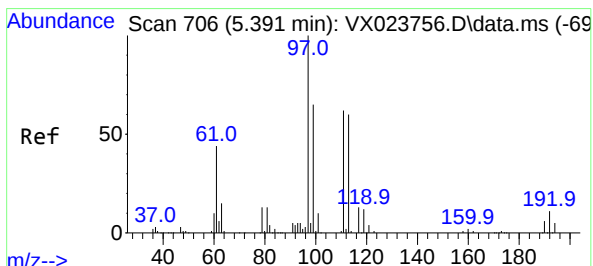
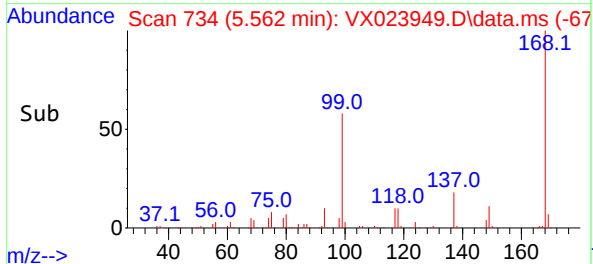
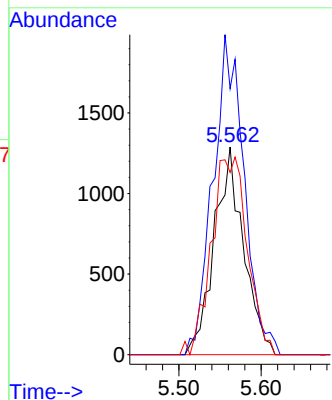


#31
Cyclohexane
Concen: 1.351 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023949.D
Acq: 25 Aug 2021 19:26

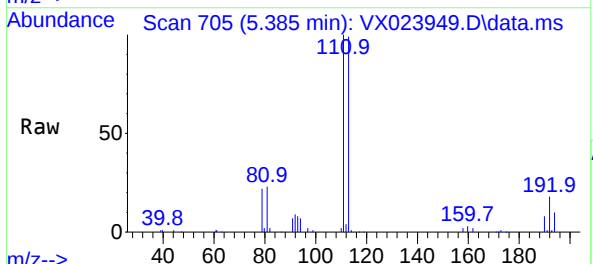
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WVLY-SW-3-GW-082221



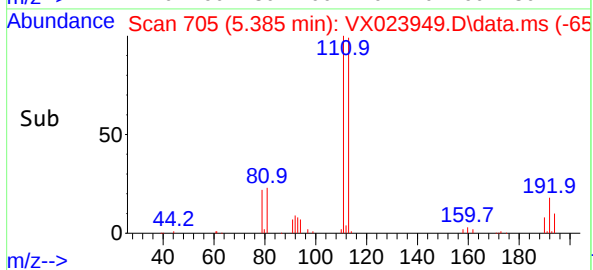
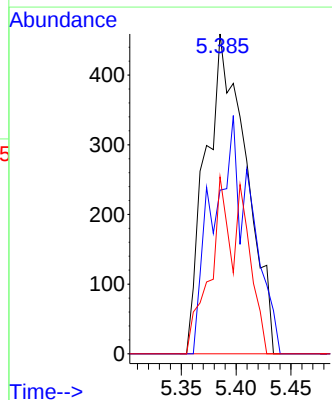
Tgt Ion: 56 Resp: 3193
Ion Ratio Lower Upper
56 100
69 128.1 25.3 37.9#
84 87.7 71.4 107.0

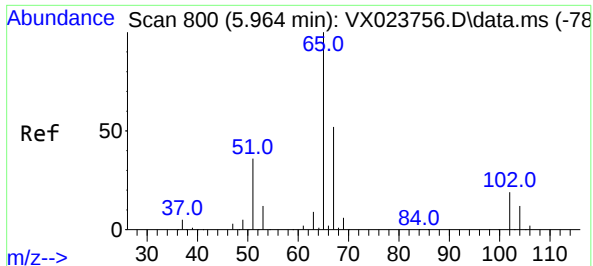


#32
1,1,1-Trichloroethane
Concen: 0.504 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX023949.D
Acq: 25 Aug 2021 19:26



Tgt Ion: 97 Resp: 1180
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 27.8 34.2 51.4#



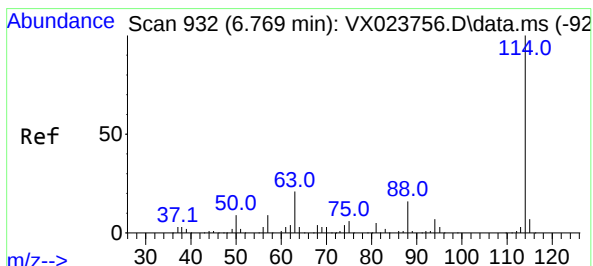
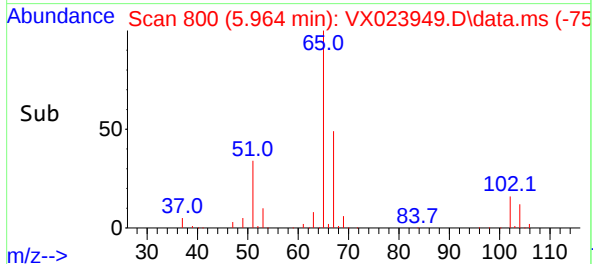
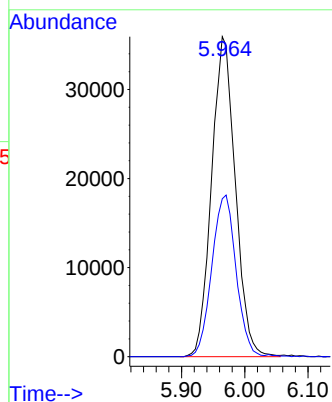
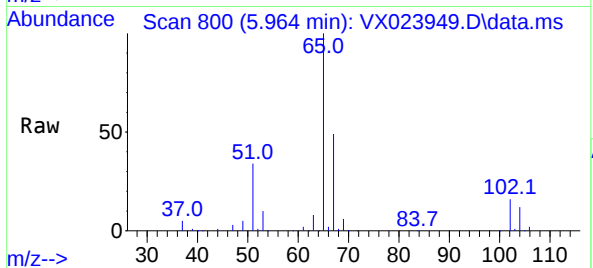


#33

1,2-Dichloroethane-d4
Concen: 50.917 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023949.D
Acq: 25 Aug 2021 19:26

Instrument :
MSVOA_X
ClientSampleId :
WVLY-SW-3-GW-082221

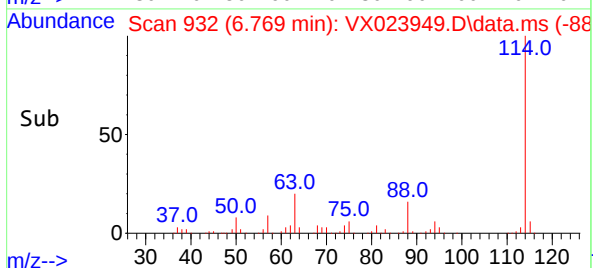
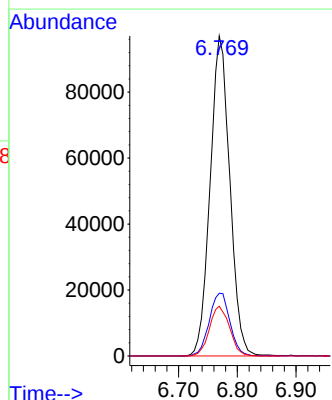
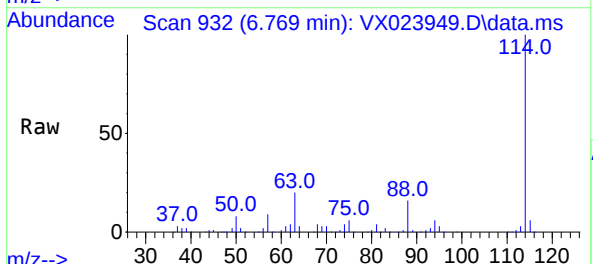
Tgt Ion: 65 Resp: 93684
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.4

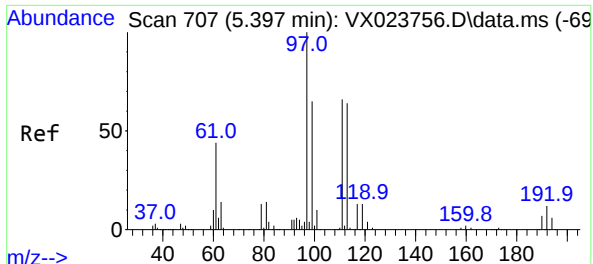


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023949.D
Acq: 25 Aug 2021 19:26

Tgt Ion: 114 Resp: 225582
Ion Ratio Lower Upper
114 100
63 19.6 0.0 40.8
88 15.6 0.0 32.8



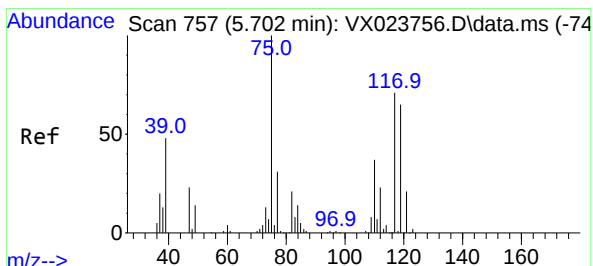
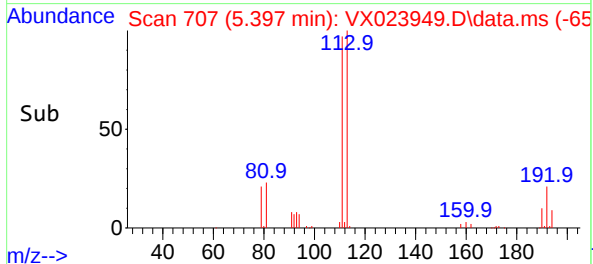
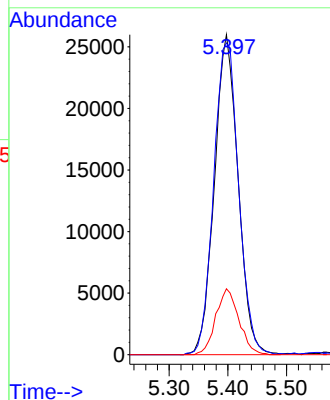
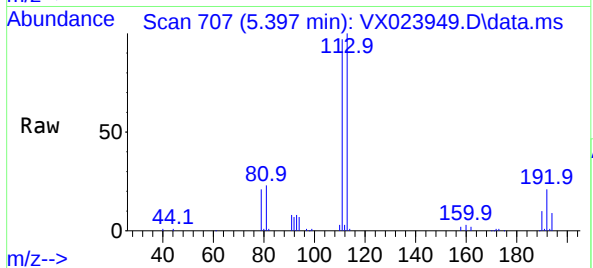


#35
Dibromofluoromethane
Concen: 48.788 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023949.D
Acq: 25 Aug 2021 19:26

Instrument :
MSVOA_X
ClientSampleId :
WVLY-SW-3-GW-082221

Tgt Ion:113 Resp: 72844

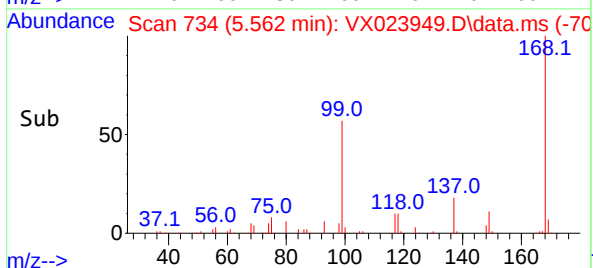
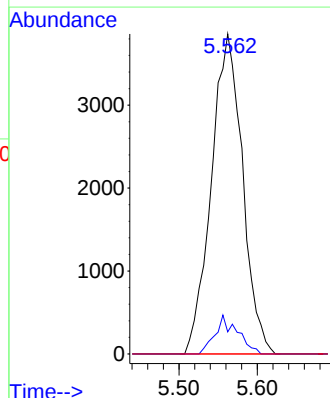
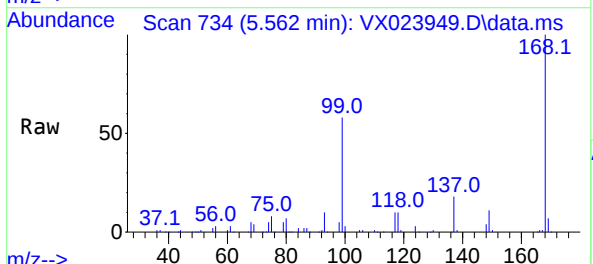
Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.9	122.9
192	20.1	16.7	25.1

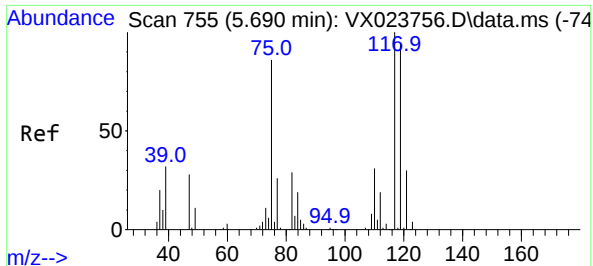


#36
1,1-Dichloropropene
Concen: 5.117 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023949.D
Acq: 25 Aug 2021 19:26

Tgt Ion: 75 Resp: 10690

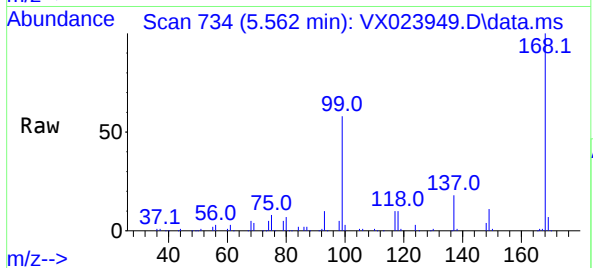
Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.1	54.4#
77	0.0	25.3	37.9#



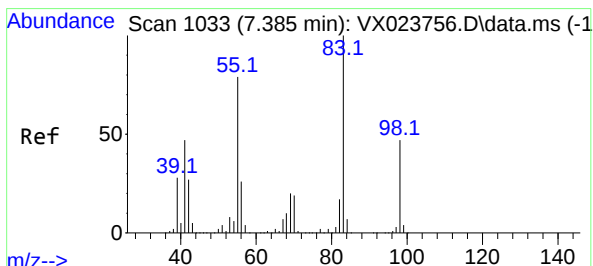
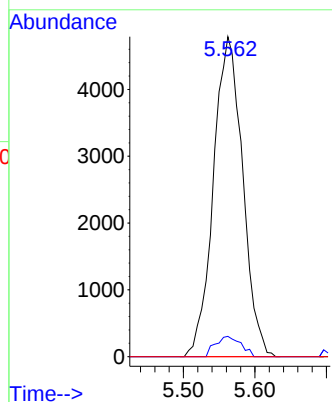
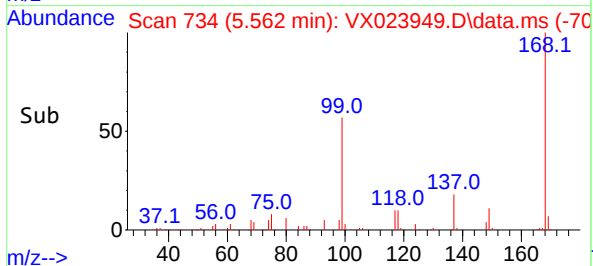


#38
Carbon Tetrachloride
Concen: 6.237 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX023949.D
Acq: 25 Aug 2021 19:26

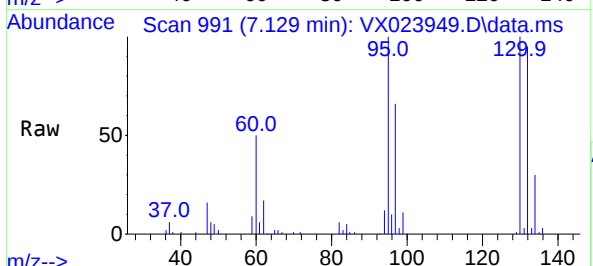
Instrument :
MSVOA_X
ClientSampleId :
WVLY-SW-3-GW-082221



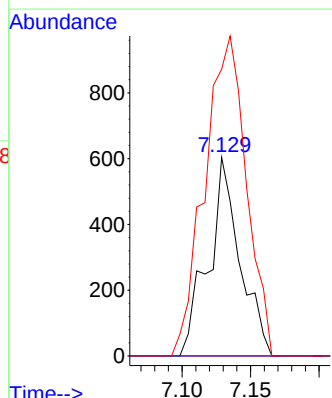
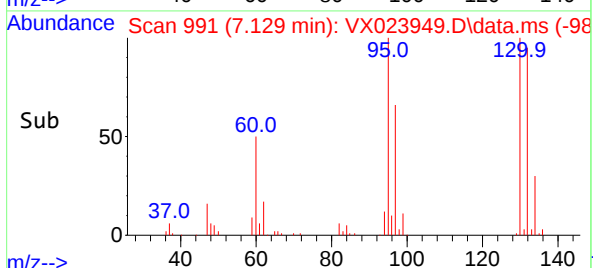
Tgt Ion:117 Resp: 13587
Ion Ratio Lower Upper
117 100
119 6.4 76.2 114.2#
121 0.0 24.8 37.2#

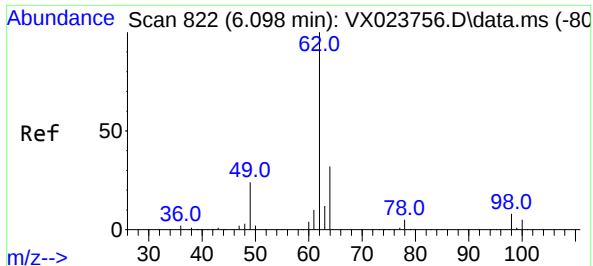


#39
Methylcyclohexane
Concen: 0.381 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX023949.D
Acq: 25 Aug 2021 19:26



Tgt Ion: 83 Resp: 969
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 133.4 38.1 57.1#





#42

1,2-Dichloroethane

Concen: 0.380 ug/l

RT: 6.111 min Scan# 824

Delta R.T. 0.013 min

Lab File: VX023949.D

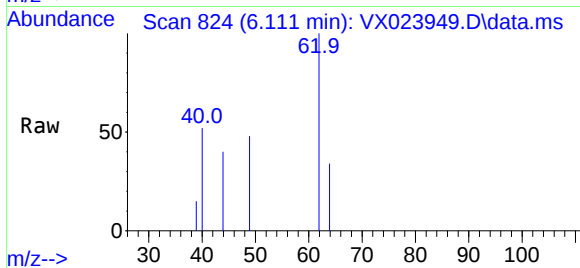
Acq: 25 Aug 2021 19:26

Tgt Ion: 62 Resp: 923

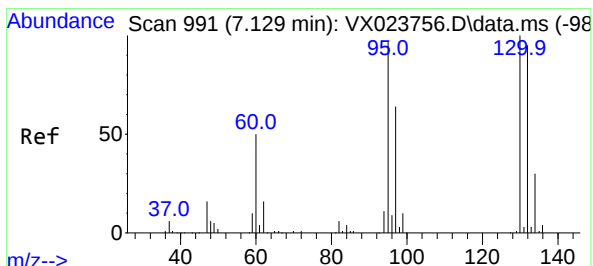
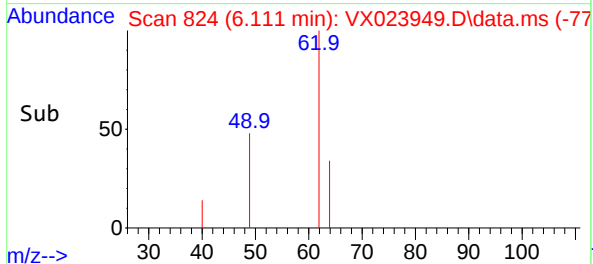
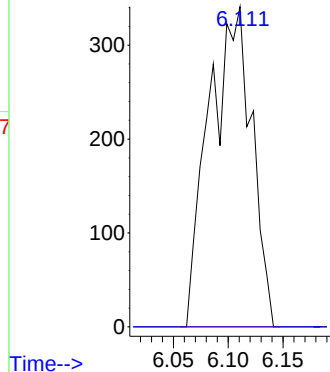
Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2



Abundance



#44

Trichloroethene

Concen: 44.898 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.006 min

Lab File: VX023949.D

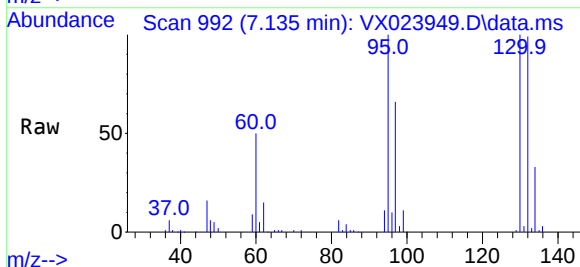
Acq: 25 Aug 2021 19:26

Tgt Ion:130 Resp: 76615

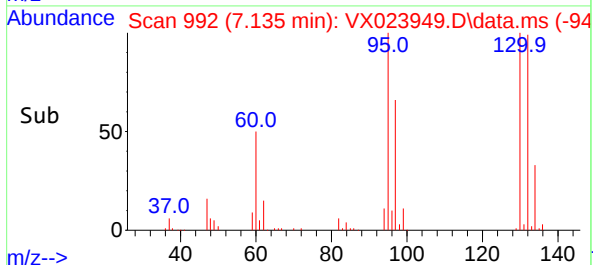
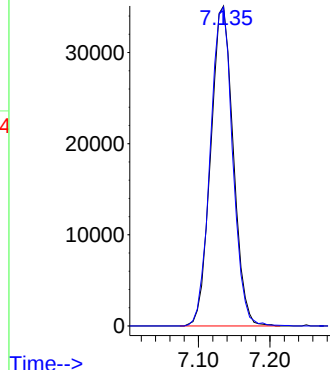
Ion Ratio Lower Upper

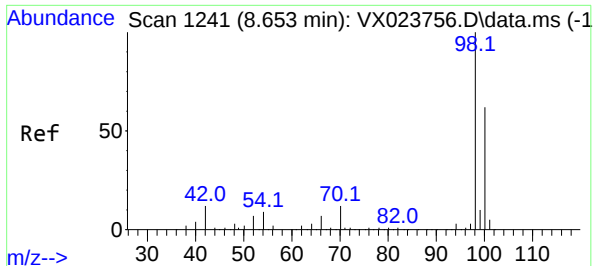
130 100

95 99.7 0.0 198.0



Abundance

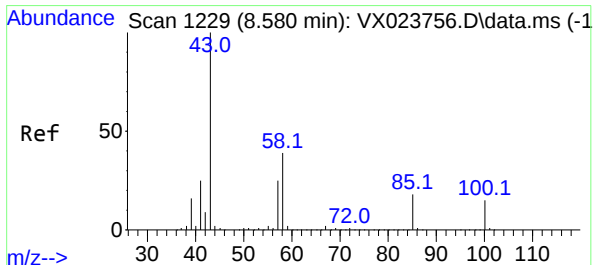
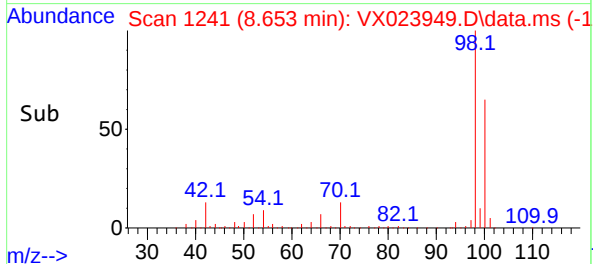
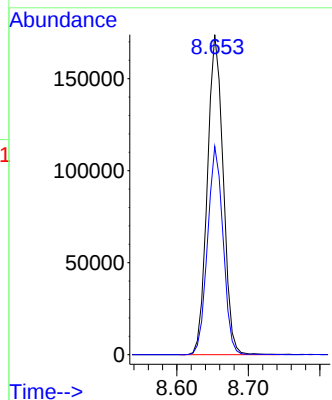
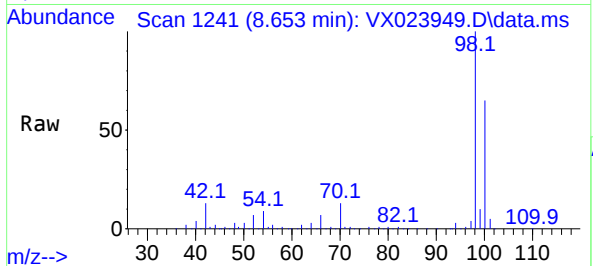




#50
Toluene-d8
Concen: 47.069 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX023949.D
Acq: 25 Aug 2021 19:26

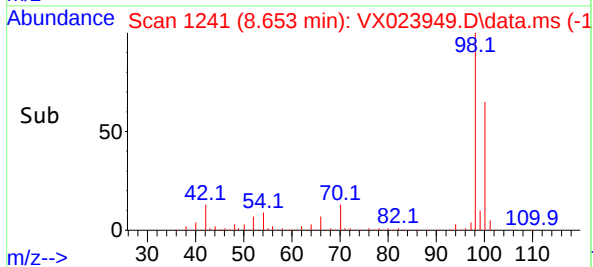
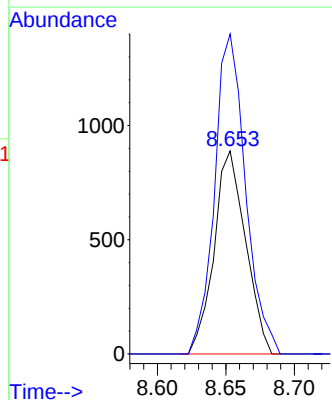
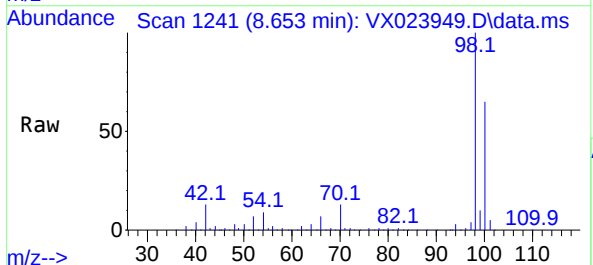
Instrument :
MSVOA_X
ClientSampleId :
WVLY-SW-3-GW-082221

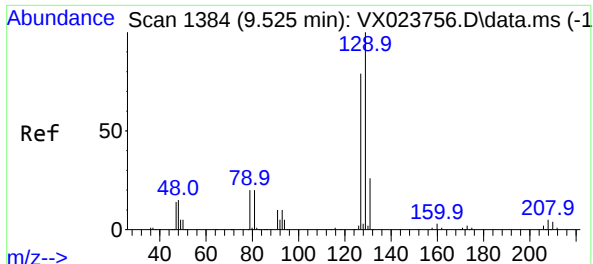
Tgt Ion: 98 Resp: 267480
Ion Ratio Lower Upper
98 100
100 63.9 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.547 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX023949.D
Acq: 25 Aug 2021 19:26

Tgt Ion: 43 Resp: 1421
Ion Ratio Lower Upper
43 100
58 155.2 35.4 53.0#





#60

Dibromochloromethane

Concen: 2.714 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.250 min

Lab File: VX023949.D

Acq: 25 Aug 2021 19:26

Instrument :

MSVOA_X

ClientSampleId :

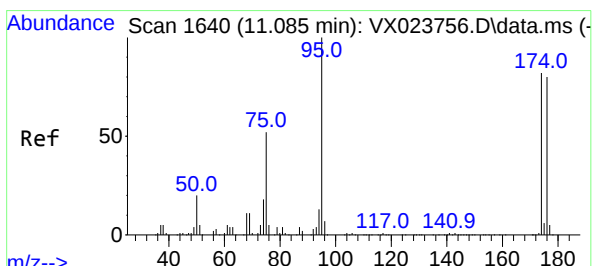
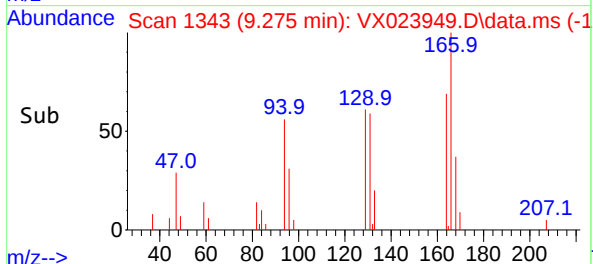
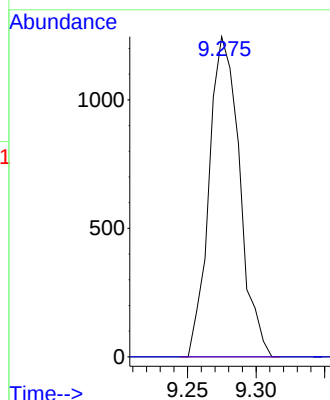
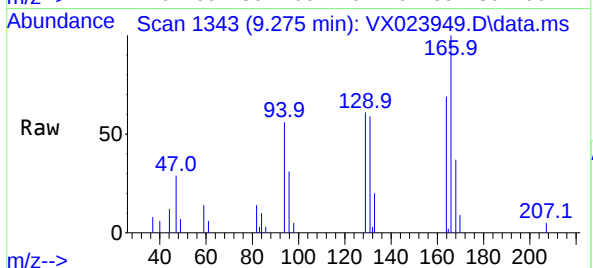
WVLY-SW-3-GW-082221

Tgt Ion:129 Resp: 1932

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



#62

4-Bromofluorobenzene

Concen: 41.205 ug/l

RT: 11.086 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX023949.D

Acq: 25 Aug 2021 19:26

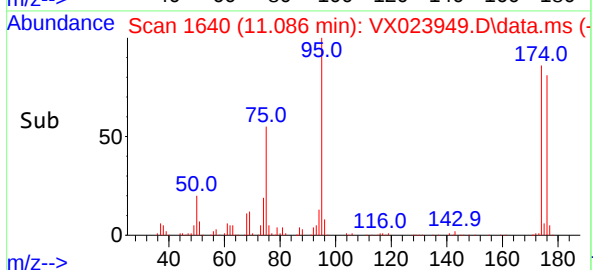
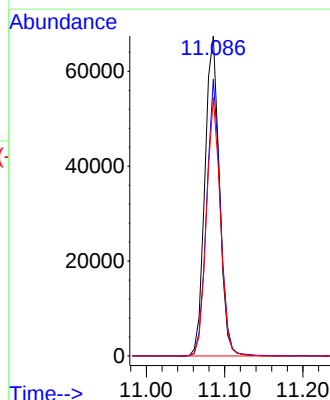
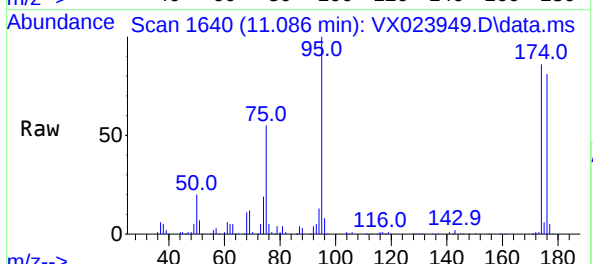
Tgt Ion: 95 Resp: 86199

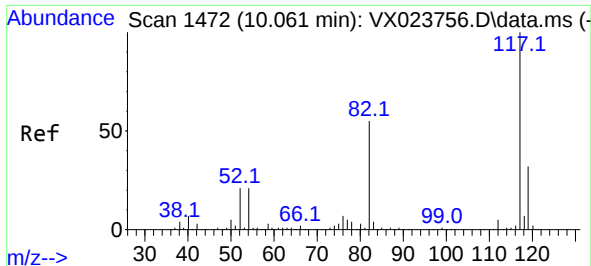
Ion Ratio Lower Upper

95 100

174 82.8 0.0 154.6

176 77.9 0.0 155.8

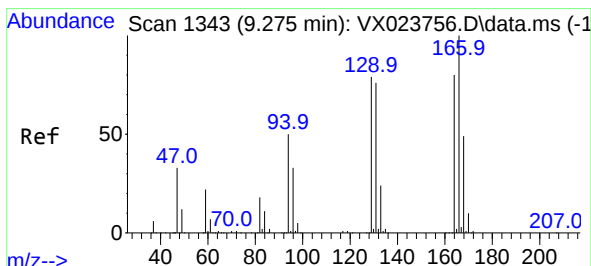
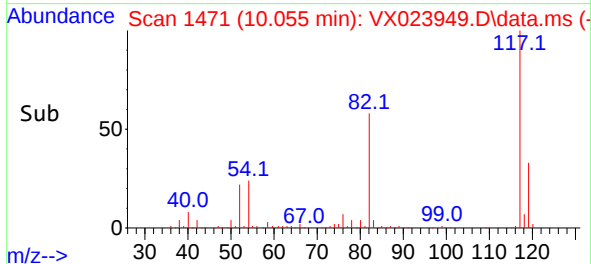
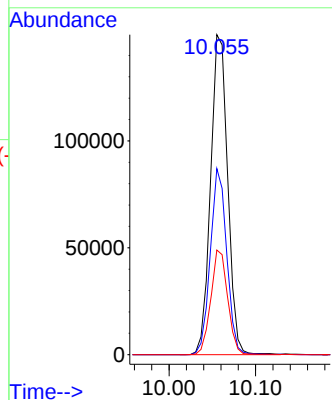
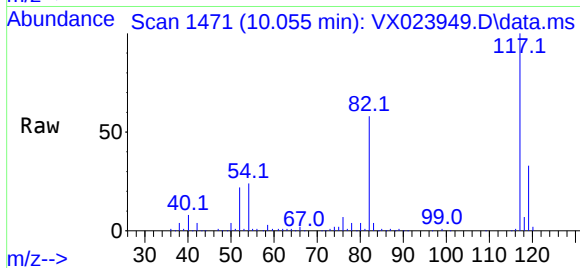




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023949.D
Acq: 25 Aug 2021 19:26

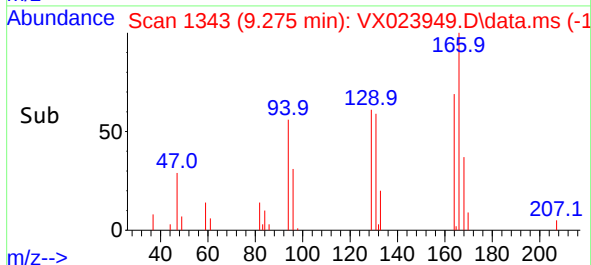
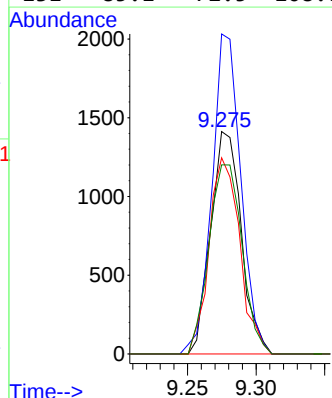
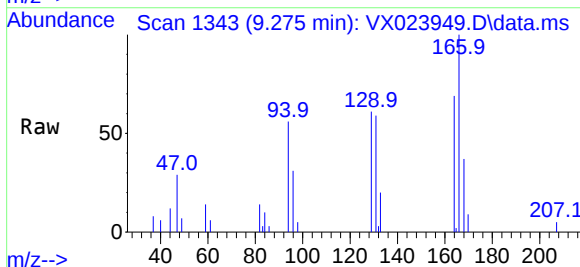
Instrument :
MSVOA_X
ClientSampleId :
WVLY-SW-3-GW-082221

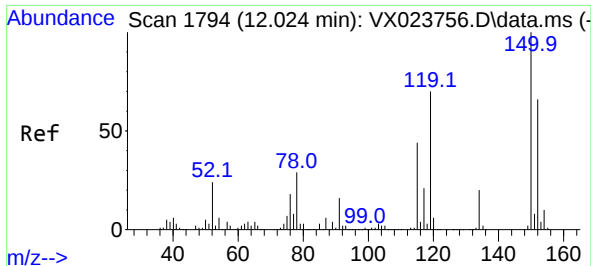
Tgt Ion:117 Resp: 205472
Ion Ratio Lower Upper
117 100
82 58.1 47.4 71.2
119 32.7 26.6 39.8



#64
Tetrachloroethene
Concen: 1.335 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX023949.D
Acq: 25 Aug 2021 19:26

Tgt Ion:164 Resp: 2191
Ion Ratio Lower Upper
164 100
166 143.9 103.4 155.2
129 88.2 70.8 106.2
131 85.1 72.5 108.7

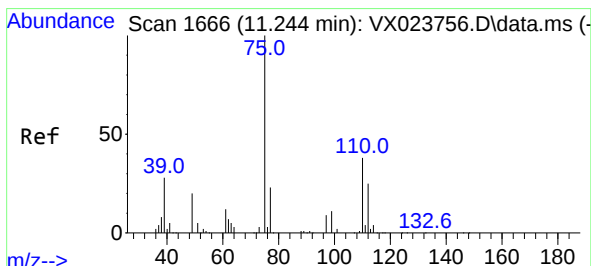
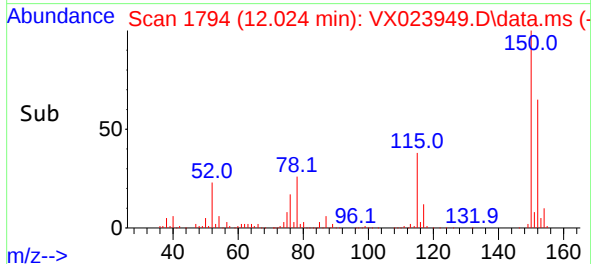
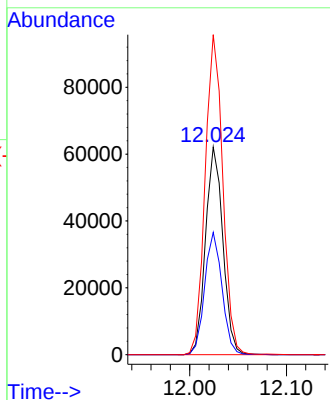
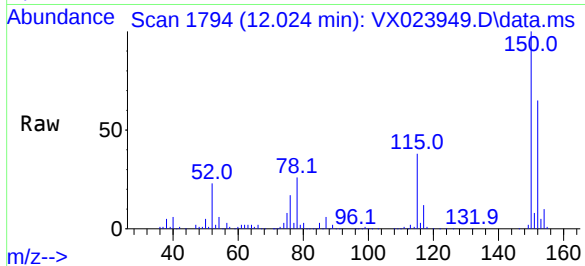




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023949.D
Acq: 25 Aug 2021 19:26

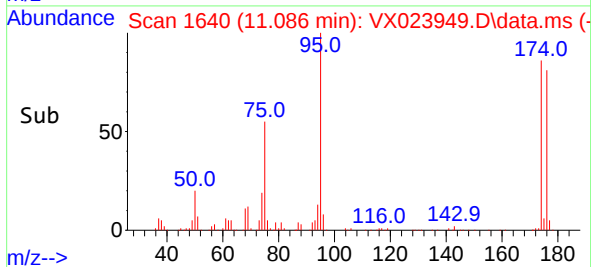
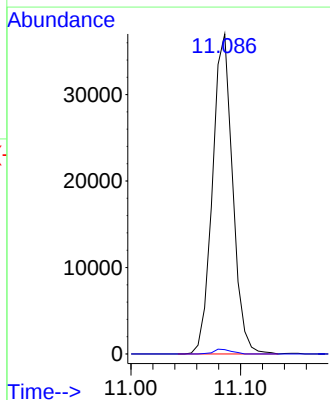
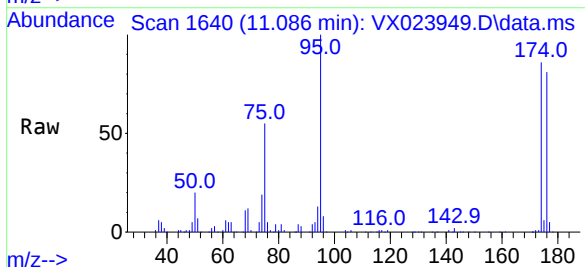
Instrument :
MSVOA_X
ClientSampleId :
WVLY-SW-3-GW-082221

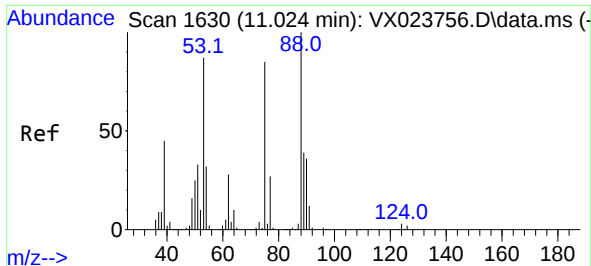
Tgt Ion:152 Resp: 77417
Ion Ratio Lower Upper
152 100
115 58.9 41.1 123.3
150 156.1 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 26.194 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023949.D
Acq: 25 Aug 2021 19:26

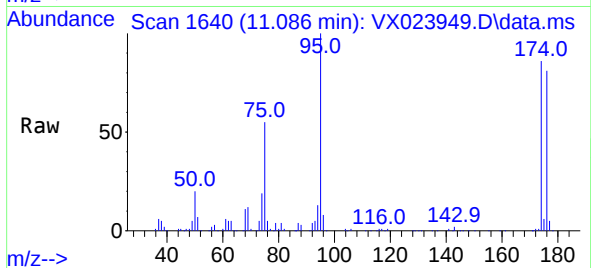
Tgt Ion: 75 Resp: 47305
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.051 ug/l
 RT: 11.086 min Scan# 1640
 Delta R.T. 0.062 min
 Lab File: VX023949.D
 Acq: 25 Aug 2021 19:26

Instrument :
 MSVOA_X
 ClientSampleId :
 WVLY-SW-3-GW-082221



Tgt Ion:	75	Resp:	47305
Ion	Ratio	Lower	Upper
75	100		
53	0.0	74.5	111.7#
89	0.0	37.9	56.9#

