

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082521\
 Data File : VX023939.D
 Acq On : 25 Aug 2021 15:31
 Operator : JC/MD
 Sample : M3525-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WVLY-SW-16-GW-081921

Quant Time: Aug 26 07:36:46 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)

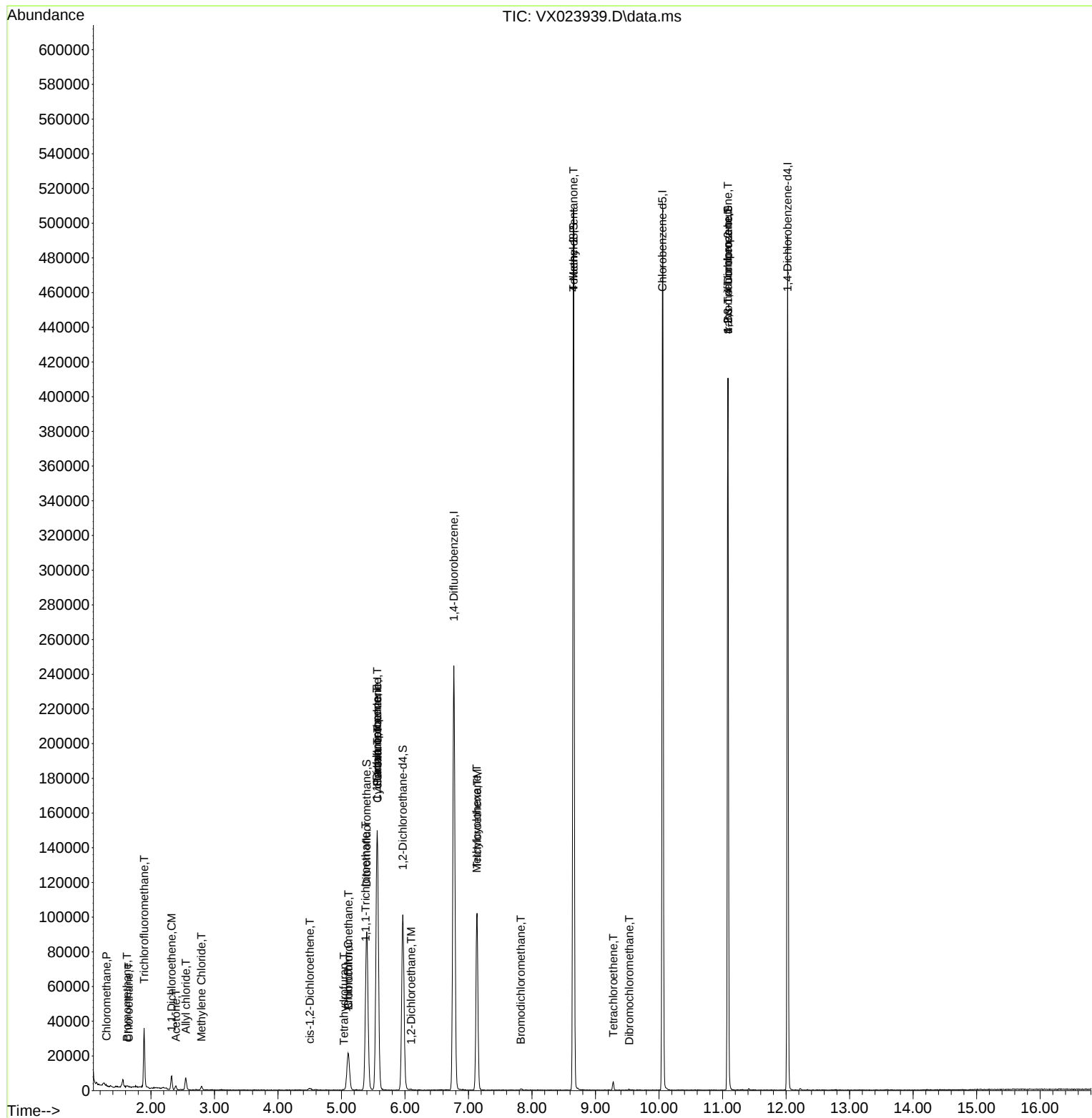
Internal Standards						
1) Pentafluorobenzene	5.562	168	139424	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	241369	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	227320	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97235	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	99753	51.263	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.520%	
35) Dibromofluoromethane	5.397	113	78791	49.320	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.640%	
50) Toluene-d8	8.653	98	287059	47.211	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 94.420%	
62) 4-Bromofluorobenzene	11.085	95	102583	45.830	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 91.660%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	529	0.328	ug/l	100
5) Bromomethane	1.624	94	538	0.543	ug/l #	79
6) Chloroethane	1.648	64	19	2.231	ug/l #	43
7) Trichlorofluoromethane	1.892	101	20863	8.388	ug/l	95
12) 1,1-Dichloroethene	2.325	96	2609	1.950	ug/l	90
14) Allyl chloride	2.550	41	738	0.299	ug/l #	21
16) Acetone	2.392	43	2468	2.837	ug/l #	88
20) Methylene Chloride	2.794	84	846	0.509	ug/l #	78
27) cis-1,2-Dichloroethene	4.501	96	598	0.352	ug/l	64
28) Bromochloromethane	5.111	49	2279	1.834	ug/l #	9
29) Tetrahydrofuran	5.038	42	249	0.292	ug/l #	27
30) Chloroform	5.105	83	24899	8.603	ug/l	98
31) Cyclohexane	5.568	56	3039	1.216	ug/l #	44
32) 1,1,1-Trichloroethane	5.379	97	552	0.223	ug/l #	48
36) 1,1-Dichloropropene	5.556	75	11132	4.980	ug/l #	50
38) Carbon Tetrachloride	5.562	117	14563	6.248	ug/l #	16
39) Methylcyclohexane	7.129	83	576	0.212	ug/l #	1
42) 1,2-Dichloroethane	6.099	62	527	0.203	ug/l #	73
44) Trichloroethene	7.135	130	38789	21.244	ug/l	98
47) Bromodichloromethane	7.824	83	619	0.280	ug/l #	78
51) 4-Methyl-2-Pentanone	8.653	43	1489	0.536	ug/l #	1
60) Dibromochloromethane	9.531	129	132	1.753	ug/l	65
64) Tetrachloroethene	9.281	164	810	0.446	ug/l	87
76) 1,2,3-Trichloropropane	11.085	75	55900	24.645	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	55900	72.493	ug/l #	12

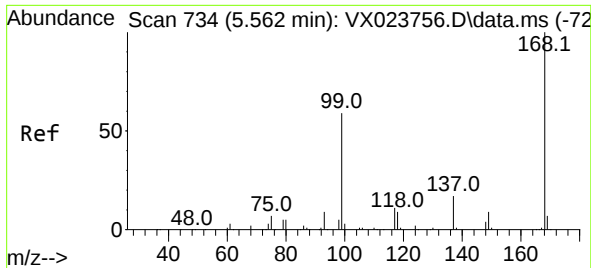
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082521\
Data File : VX023939.D
Acq On : 25 Aug 2021 15:31
Operator : JC/MD
Sample : M3525-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WVLY-SW-16-GW-081921

Quant Time: Aug 26 07:36:46 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

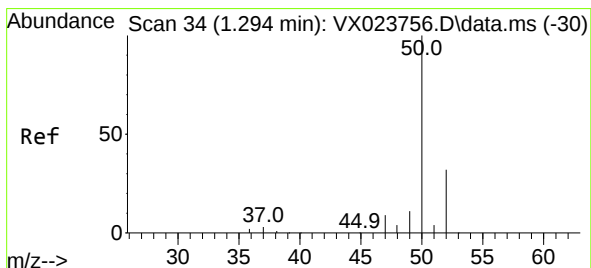
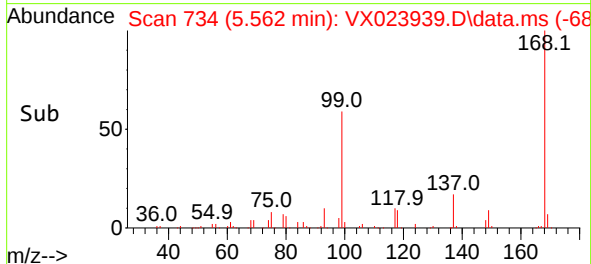
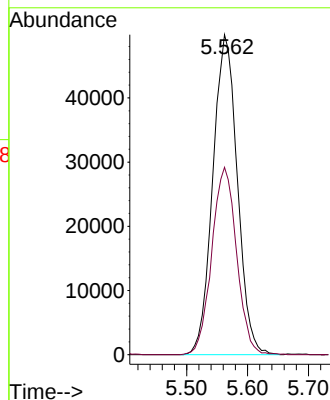
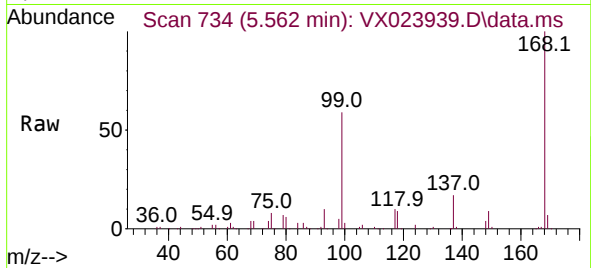




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023939.D
Acq: 25 Aug 2021 15:31

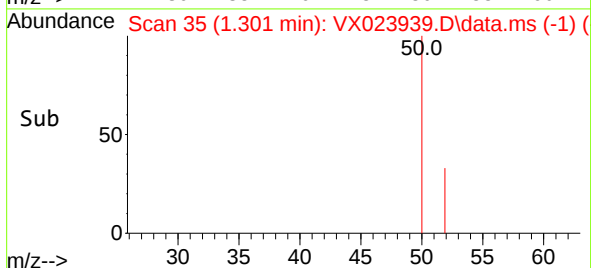
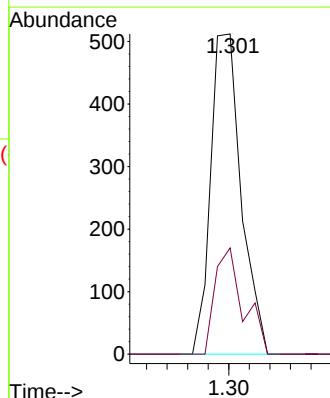
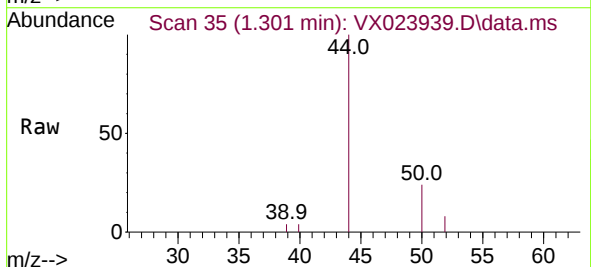
Instrument :
MSVOA_X
ClientSampleId :
WVLY-SW-16-GW-081921

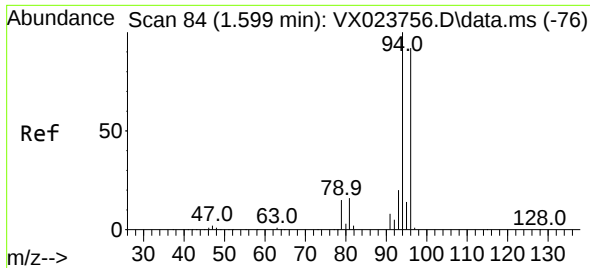
Tgt Ion:168 Resp: 139424
Ion Ratio Lower Upper
168 100
99 58.5 45.8 68.6



#3
Chloromethane
Concen: 0.328 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.007 min
Lab File: VX023939.D
Acq: 25 Aug 2021 15:31

Tgt Ion: 50 Resp: 529
Ion Ratio Lower Upper
50 100
52 33.2 26.4 39.6

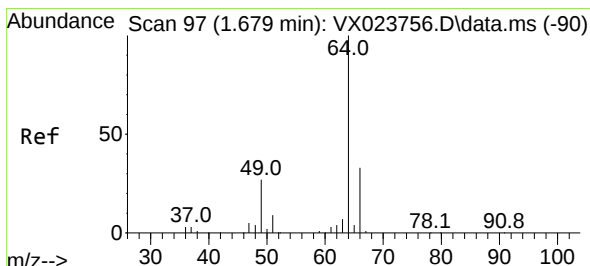
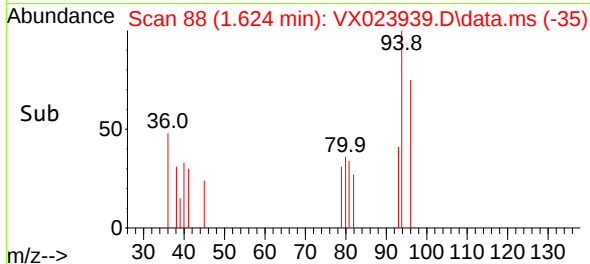
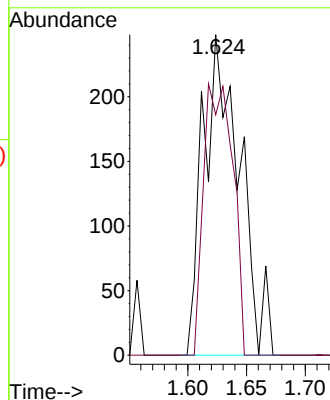
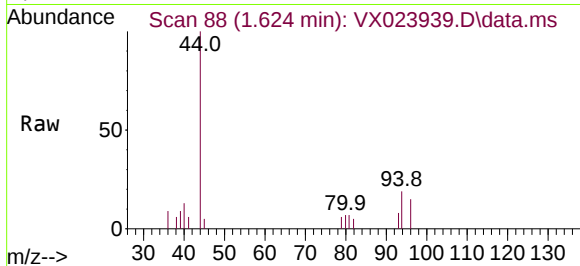




#5
Bromomethane
Concen: 0.543 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX023939.D
Acq: 25 Aug 2021 15:31

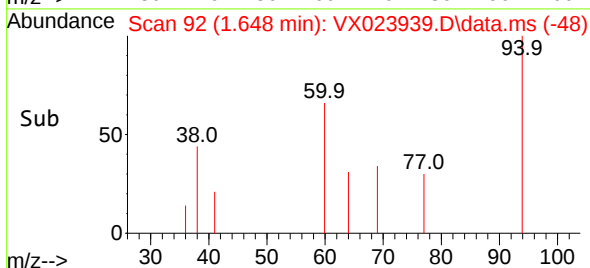
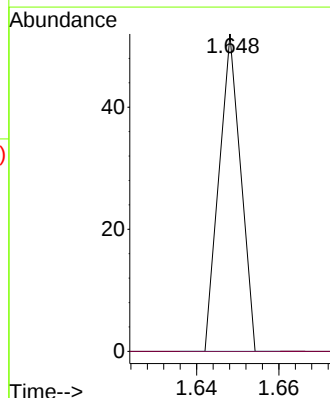
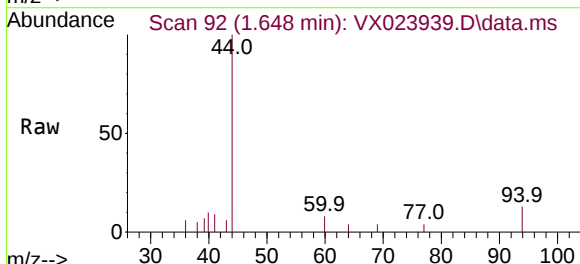
Instrument :
MSVOA_X
ClientSampleId :
WVLY-SW-16-GW-081921

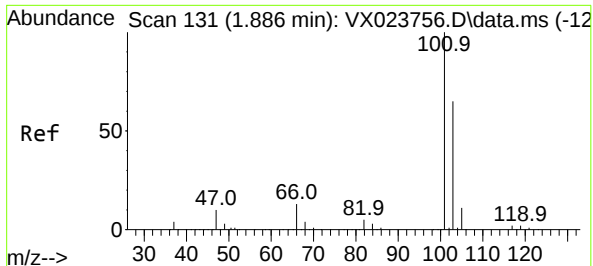
Tgt Ion: 94 Resp: 538
Ion Ratio Lower Upper
94 100
96 75.0 76.4 114.6#



#6
Chloroethane
Concen: 2.231 ug/l
RT: 1.648 min Scan# 92
Delta R.T. -0.031 min
Lab File: VX023939.D
Acq: 25 Aug 2021 15:31

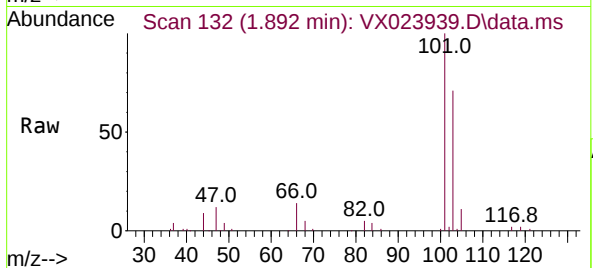
Tgt Ion: 64 Resp: 19
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



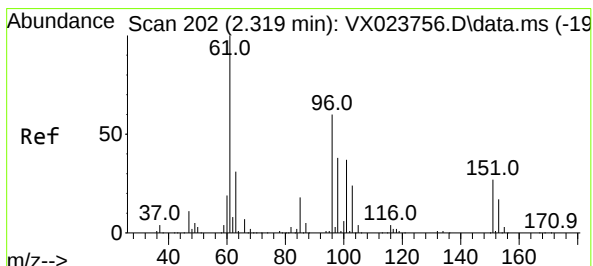
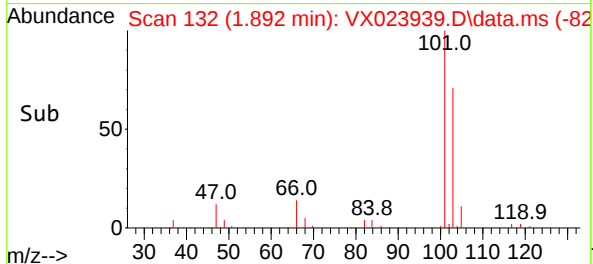
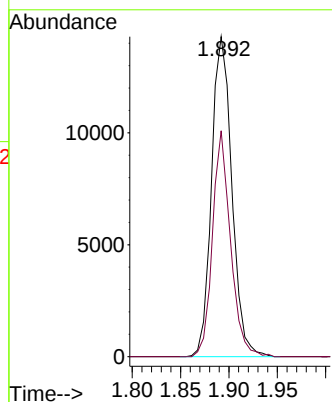


#7
Trichlorofluoromethane
Concen: 8.388 ug/l
RT: 1.892 min Scan# 132
Delta R.T. 0.006 min
Lab File: VX023939.D
Acq: 25 Aug 2021 15:31

Instrument :
MSVOA_X
ClientSampleId :
WVLY-SW-16-GW-081921

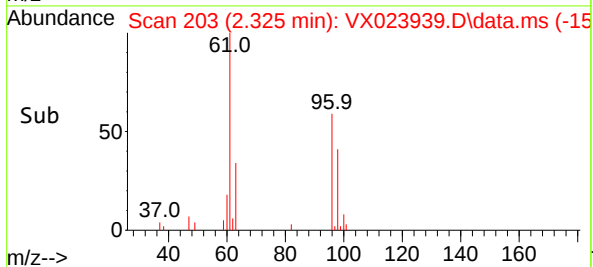
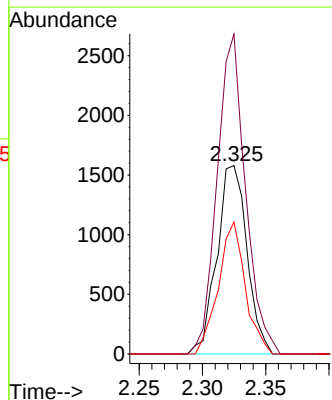
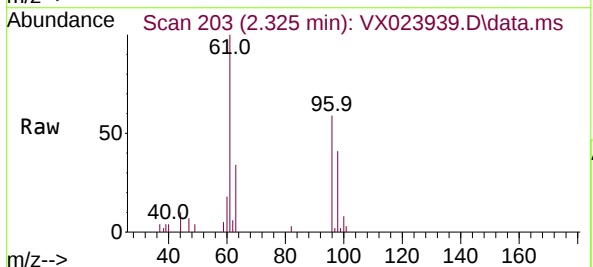


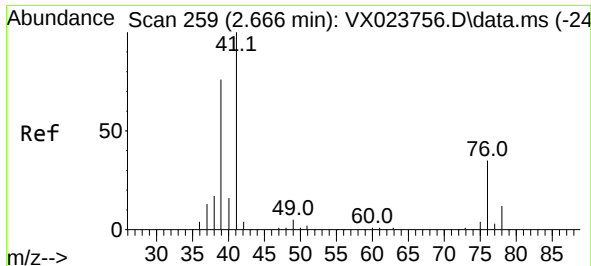
Tgt Ion:101 Resp: 20863
Ion Ratio Lower Upper
101 100
103 70.6 53.2 79.8



#12
1,1-Dichloroethene
Concen: 1.950 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX023939.D
Acq: 25 Aug 2021 15:31

Tgt Ion: 96 Resp: 2609
Ion Ratio Lower Upper
96 100
61 169.9 124.6 187.0
98 70.0 50.6 76.0

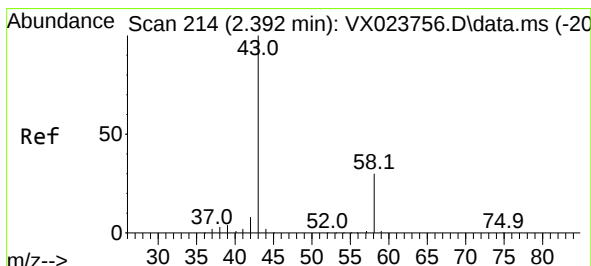
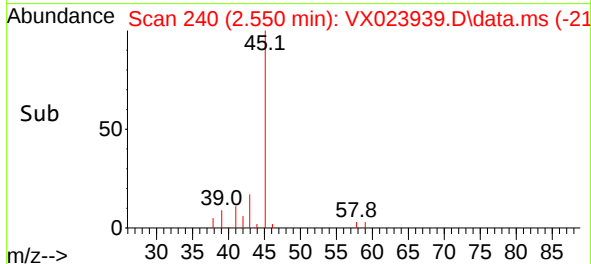
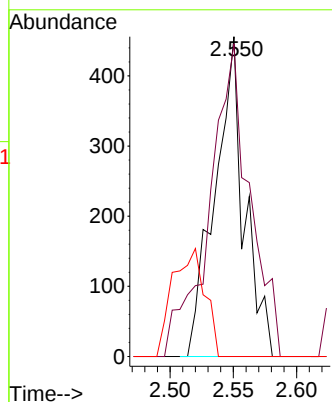
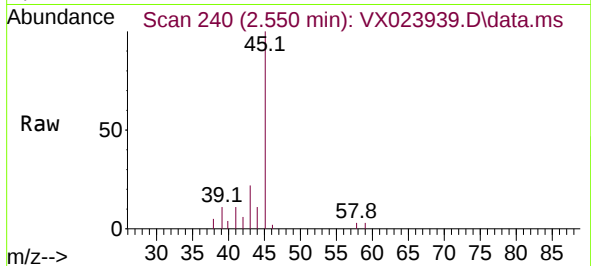




#14
 Allyl chloride
 Concen: 0.299 ug/l
 RT: 2.550 min Scan# 240
 Delta R.T. -0.116 min
 Lab File: VX023939.D
 Acq: 25 Aug 2021 15:31

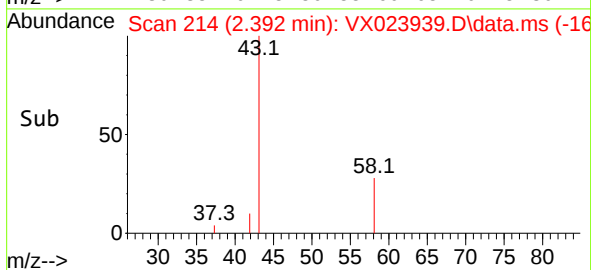
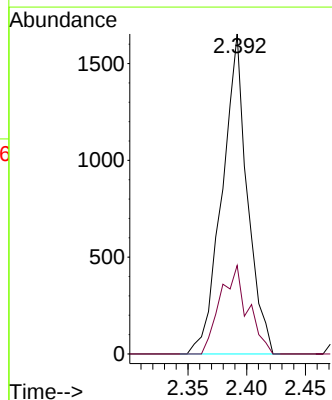
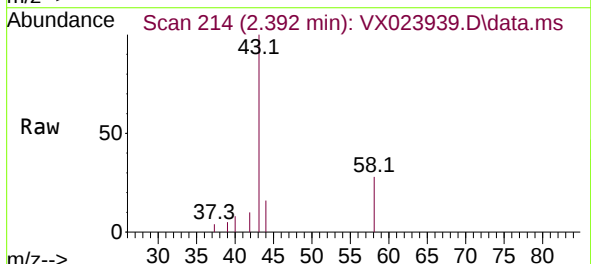
Instrument :
 MSVOA_X
 ClientSampleId :
 WVLY-SW-16-GW-081921

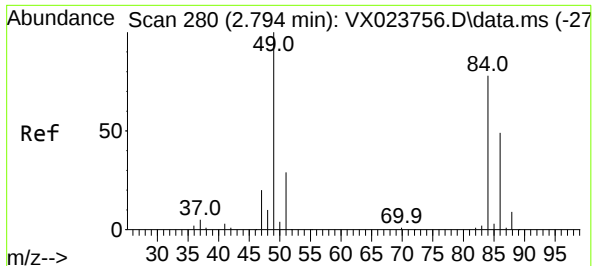
Tgt Ion: 41 Resp: 738
 Ion Ratio Lower Upper
 41 100
 39 133.5 51.6 77.4#
 76 0.0 30.5 45.7#



#16
 Acetone
 Concen: 2.837 ug/l
 RT: 2.392 min Scan# 214
 Delta R.T. -0.000 min
 Lab File: VX023939.D
 Acq: 25 Aug 2021 15:31

Tgt Ion: 43 Resp: 2468
 Ion Ratio Lower Upper
 43 100
 58 27.6 27.8 41.8#





#20

Methylene Chloride

Concen: 0.509 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX023939.D

Acq: 25 Aug 2021 15:31

Instrument :

MSVOA_X

ClientSampleId :

WVLY-SW-16-GW-081921

Tgt Ion: 84 Resp: 846

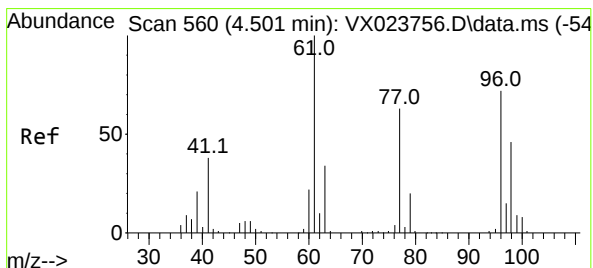
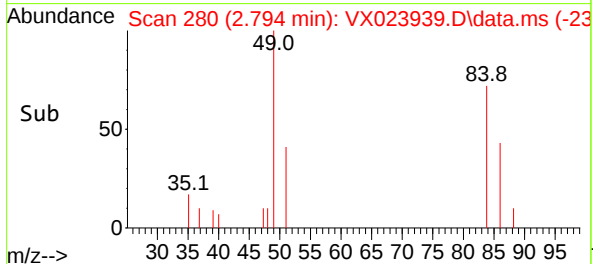
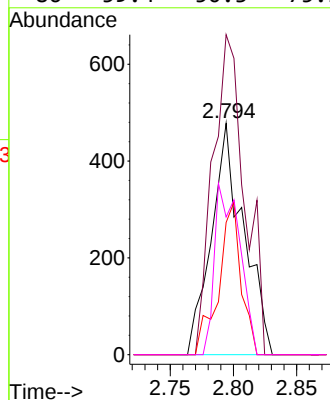
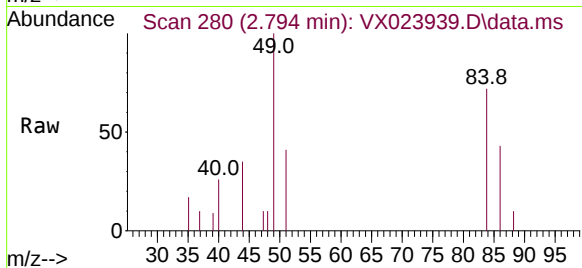
Ion Ratio Lower Upper

84 100

49 138.3 88.6 132.8#

51 57.1 27.0 40.6#

86 59.4 50.3 75.5



#27

cis-1,2-Dichloroethene

Concen: 0.352 ug/l

RT: 4.501 min Scan# 560

Delta R.T. 0.000 min

Lab File: VX023939.D

Acq: 25 Aug 2021 15:31

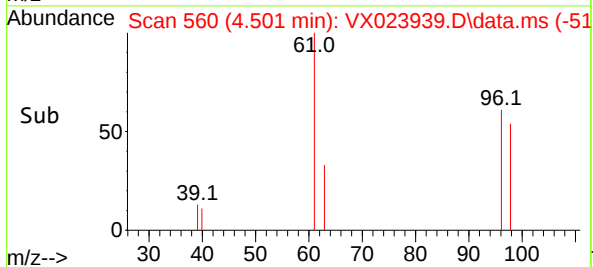
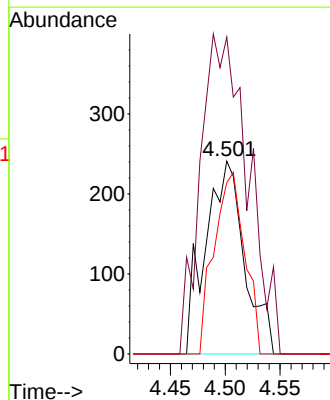
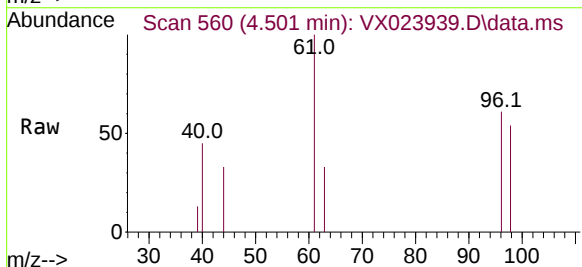
Tgt Ion: 96 Resp: 598

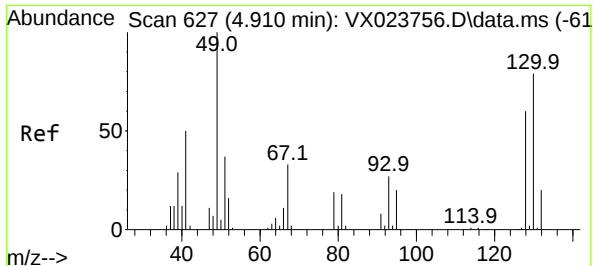
Ion Ratio Lower Upper

96 100

61 201.7 0.0 285.6

98 73.7 0.0 129.6

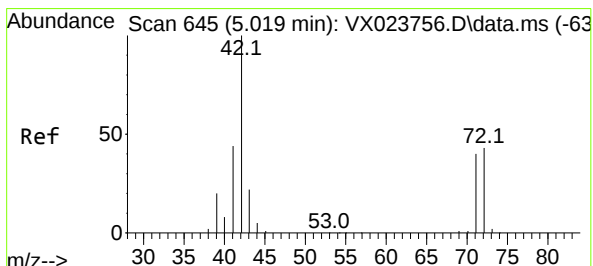
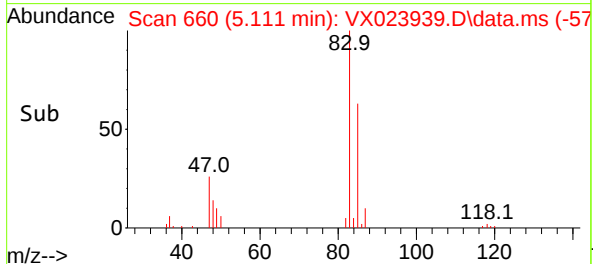
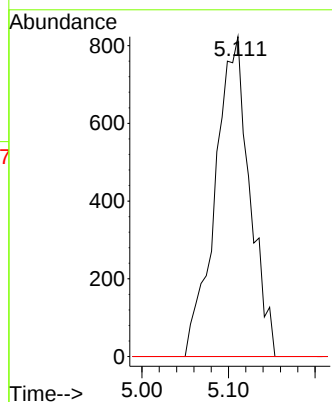
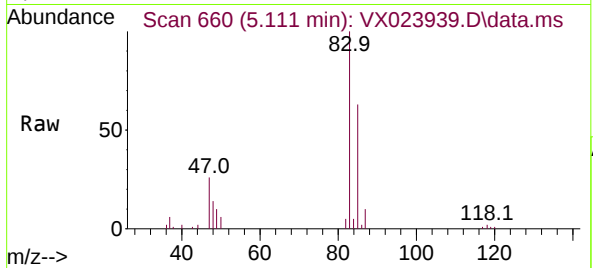




#28
Bromochloromethane
Concen: 1.834 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.201 min
Lab File: VX023939.D
Acq: 25 Aug 2021 15:31

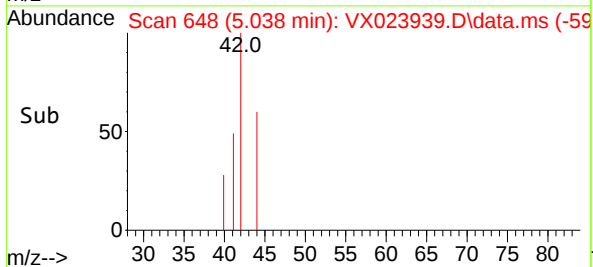
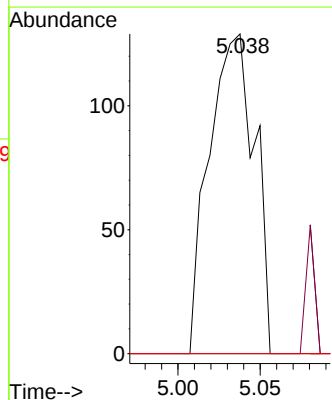
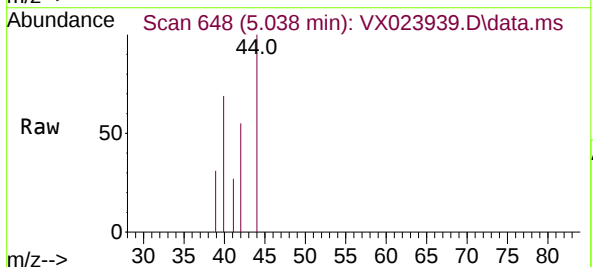
Instrument :
MSVOA_X
ClientSampleId :
WVLY-SW-16-GW-081921

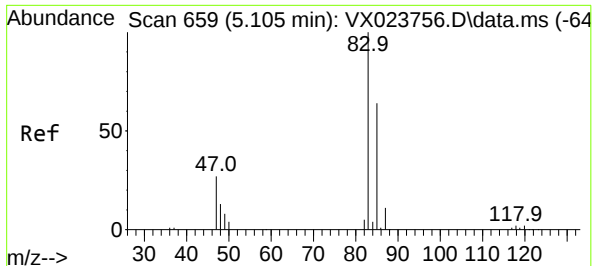
Tgt Ion: 49 Resp: 2279
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 68.2 102.2#



#29
Tetrahydrofuran
Concen: 0.292 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.019 min
Lab File: VX023939.D
Acq: 25 Aug 2021 15:31

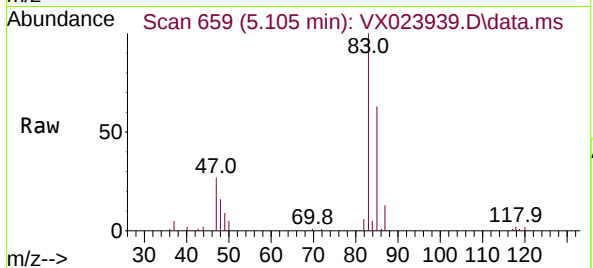
Tgt Ion: 42 Resp: 249
Ion Ratio Lower Upper
42 100
72 0.0 41.7 62.5#
71 0.0 38.4 57.6#



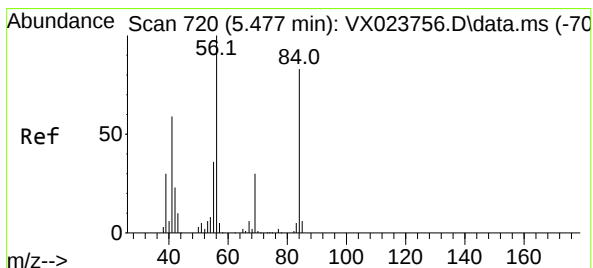
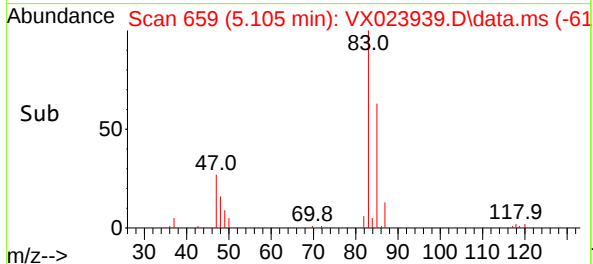
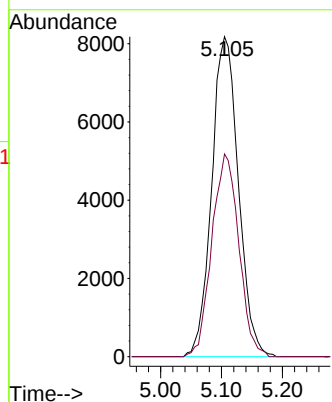


#30
Chloroform
Concen: 8.603 ug/l
RT: 5.105 min Scan# 659
Delta R.T. -0.000 min
Lab File: VX023939.D
Acq: 25 Aug 2021 15:31

Instrument :
MSVOA_X
ClientSampleId :
WVLY-SW-16-GW-081921

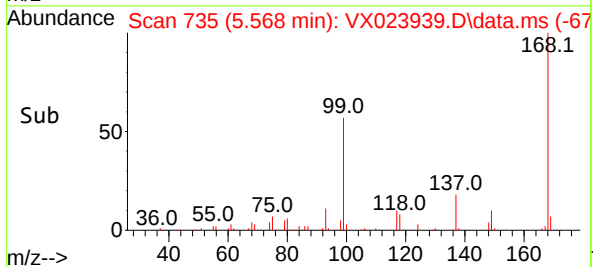
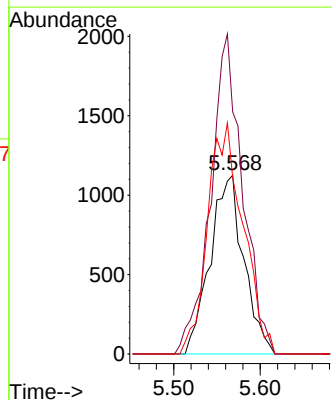
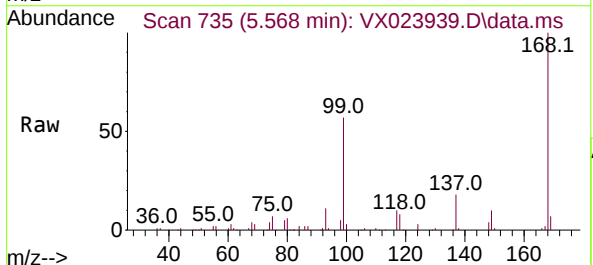


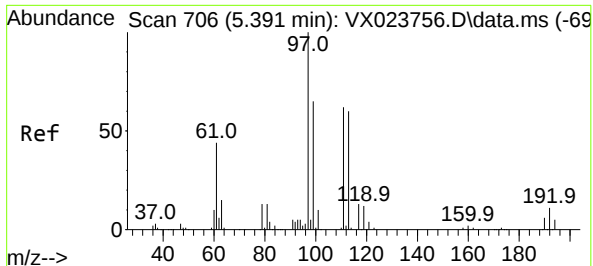
Tgt Ion: 83 Resp: 24899
Ion Ratio Lower Upper
83 100
85 63.4 52.0 78.0



#31
Cyclohexane
Concen: 1.216 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.091 min
Lab File: VX023939.D
Acq: 25 Aug 2021 15:31

Tgt Ion: 56 Resp: 3039
Ion Ratio Lower Upper
56 100
69 135.3 25.3 37.9#
84 98.7 71.4 107.0



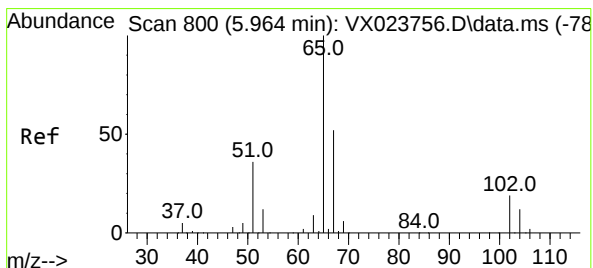
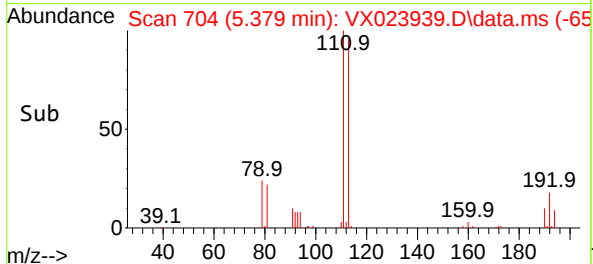
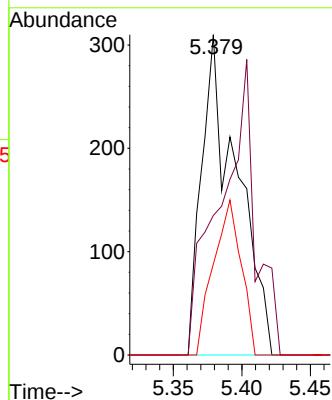
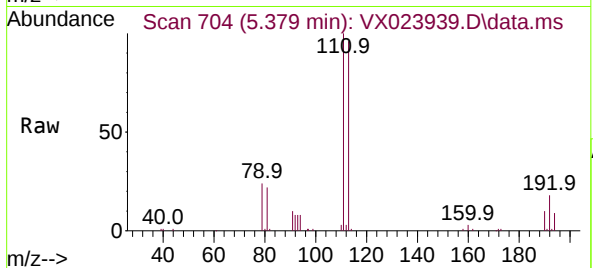


#32

1,1,1-Trichloroethane
Concen: 0.223 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.012 min
Lab File: VX023939.D
Acq: 25 Aug 2021 15:31

Instrument :
MSVOA_X
ClientSampleId :
WVLY-SW-16-GW-081921

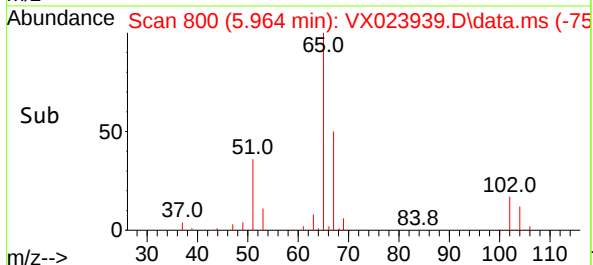
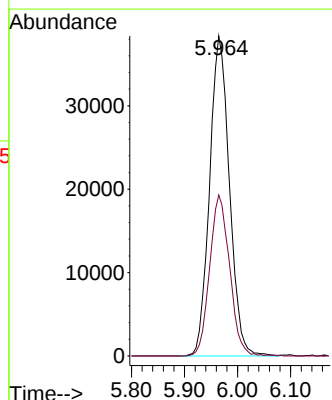
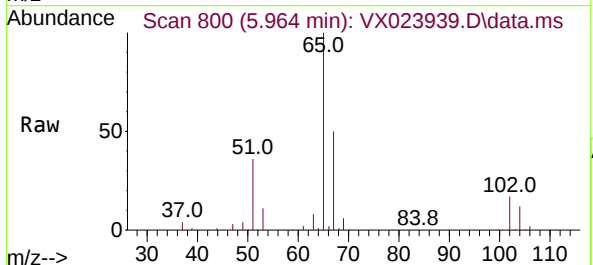
Tgt Ion: 97 Resp: 552
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 38.2 34.2 51.4

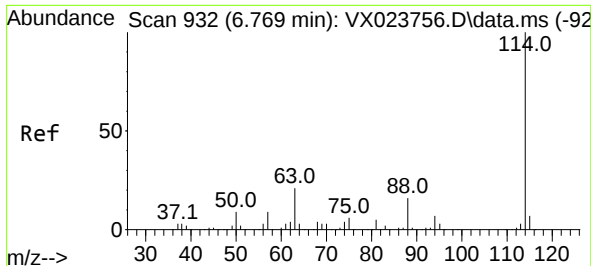


#33

1,2-Dichloroethane-d4
Concen: 51.263 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023939.D
Acq: 25 Aug 2021 15:31

Tgt Ion: 65 Resp: 99753
Ion Ratio Lower Upper
65 100
67 50.6 0.0 105.4

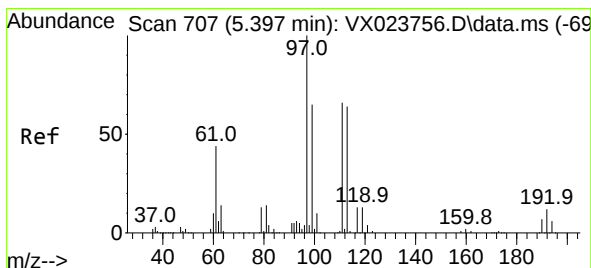
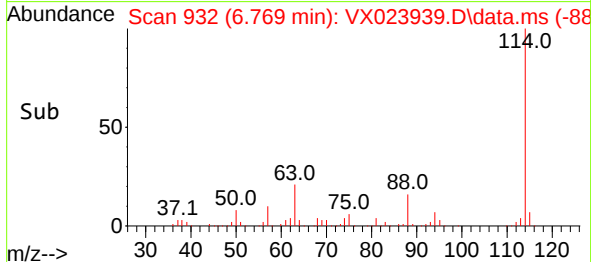
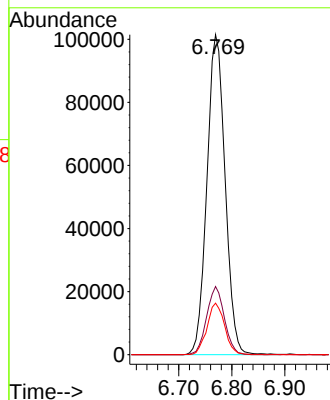
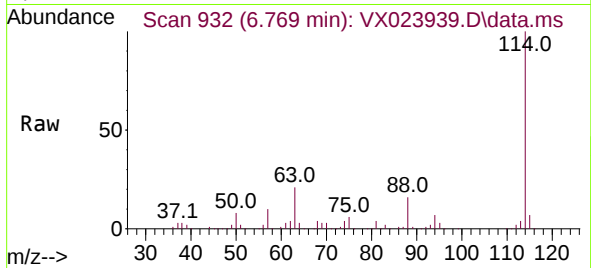




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023939.D
Acq: 25 Aug 2021 15:31

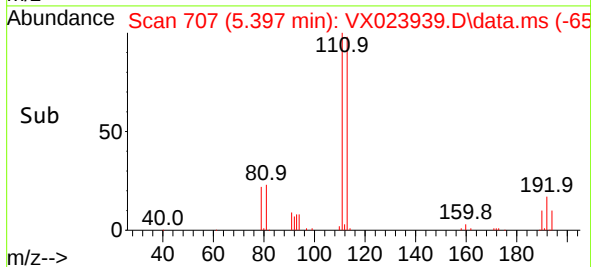
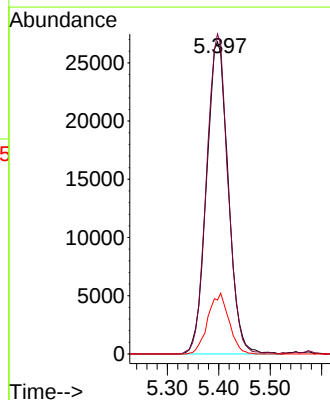
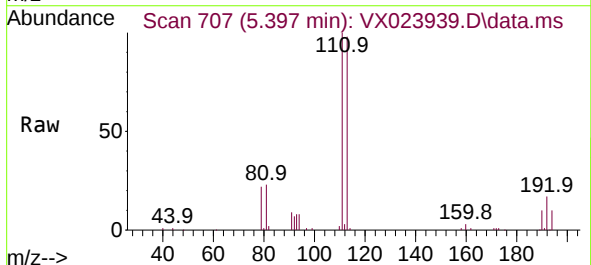
Instrument :
MSVOA_X
ClientSampleId :
WVLY-SW-16-GW-081921

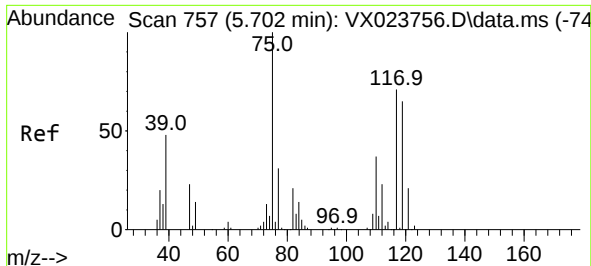
Tgt Ion:114 Resp: 241369
Ion Ratio Lower Upper
114 100
63 21.3 0.0 40.8
88 16.1 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.320 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023939.D
Acq: 25 Aug 2021 15:31

Tgt Ion:113 Resp: 78791
Ion Ratio Lower Upper
113 100
111 100.8 81.9 122.9
192 18.8 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.980 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX023939.D

Acq: 25 Aug 2021 15:31

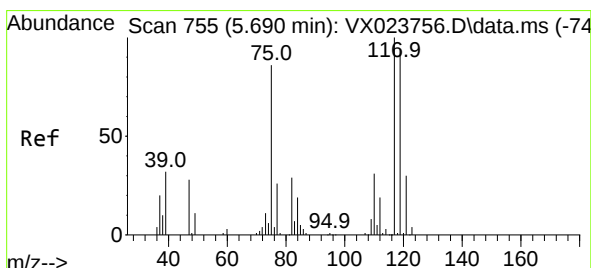
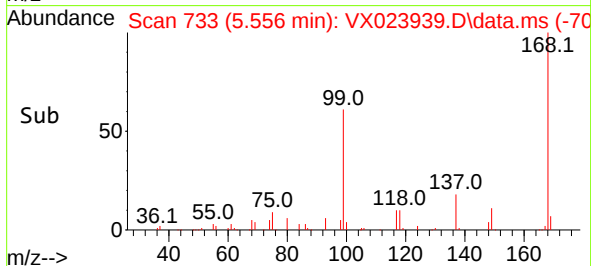
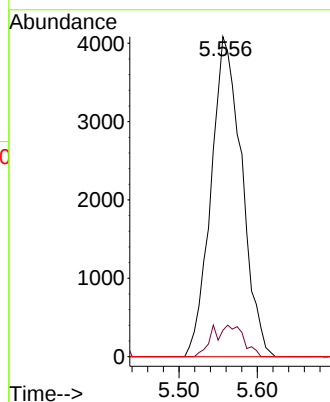
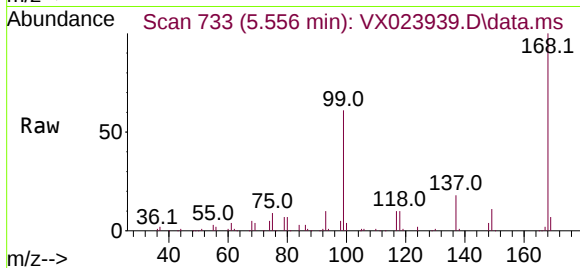
Tgt Ion:	75	Resp:	11132
Ion	Ratio	Lower	Upper
75	100		
110	9.9	18.1	54.4#
77	0.0	25.3	37.9#

Instrument :

MSVOA_X

ClientSampleId :

WVLY-SW-16-GW-081921



#38

Carbon Tetrachloride

Concen: 6.248 ug/l

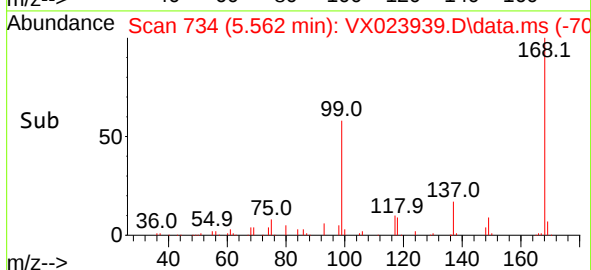
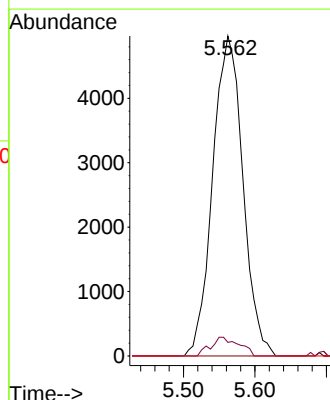
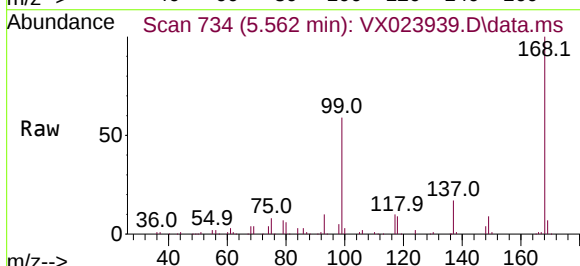
RT: 5.562 min Scan# 734

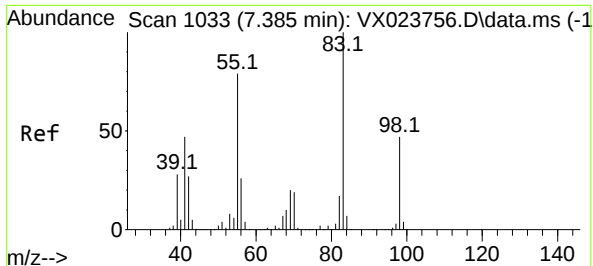
Delta R.T. -0.128 min

Lab File: VX023939.D

Acq: 25 Aug 2021 15:31

Tgt Ion:	117	Resp:	14563
Ion	Ratio	Lower	Upper
117	100		
119	4.3	76.2	114.2#
121	0.0	24.8	37.2#





#39

Methylcyclohexane

Concen: 0.212 ug/l

RT: 7.129 min Scan# 991

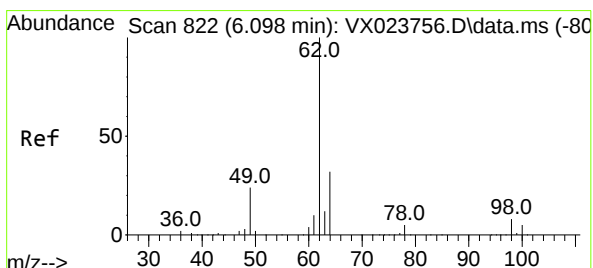
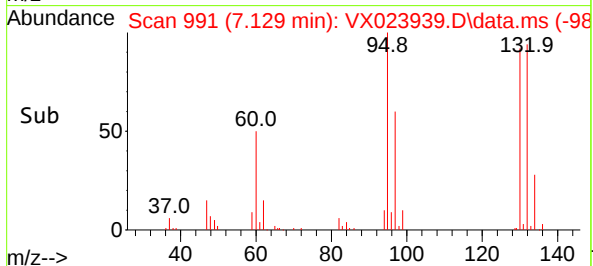
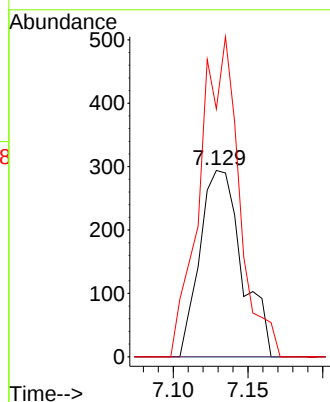
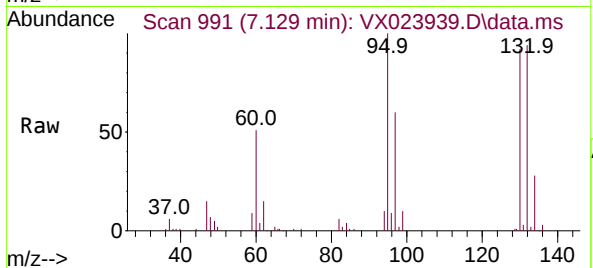
Delta R.T. -0.256 min

Lab File: VX023939.D

Acq: 25 Aug 2021 15:31

Tgt Ion:	83	Resp:	576
Ion	Ratio	Lower	Upper
83	100		
55	0.0	58.9	88.3#
98	133.0	38.1	57.1#

Instrument :
MSVOA_X
ClientSampleId :
WVLY-SW-16-GW-081921



#42

1,2-Dichloroethane

Concen: 0.203 ug/l

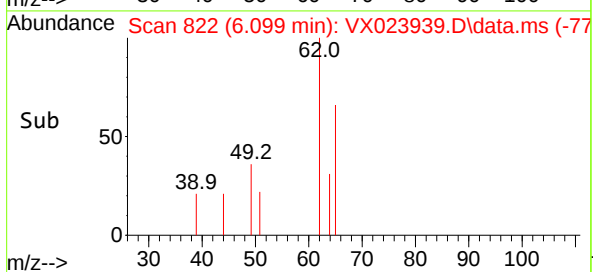
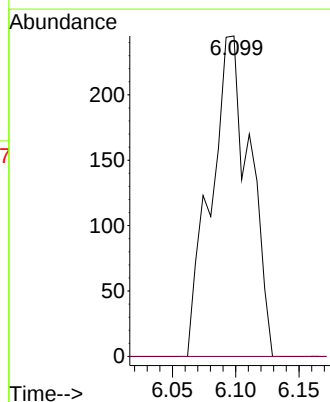
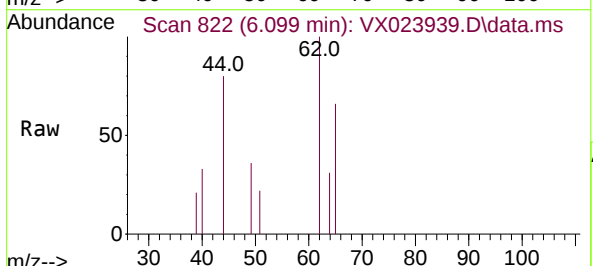
RT: 6.099 min Scan# 822

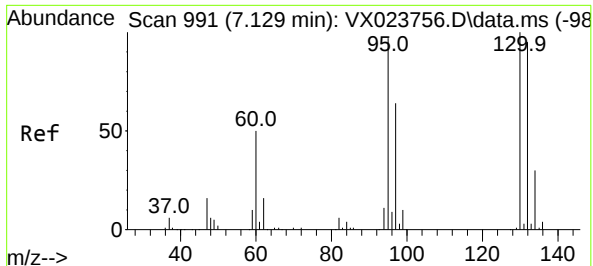
Delta R.T. 0.001 min

Lab File: VX023939.D

Acq: 25 Aug 2021 15:31

Tgt Ion:	62	Resp:	527
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	20.2

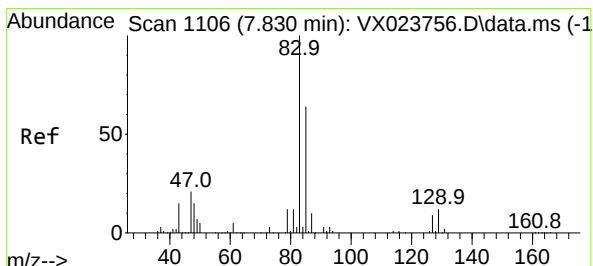
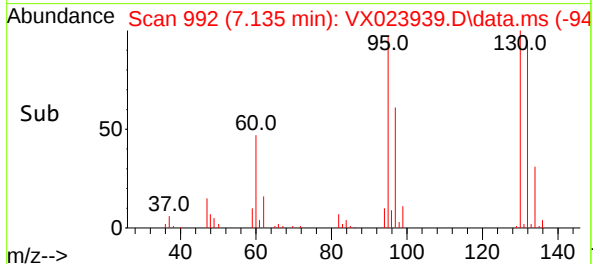
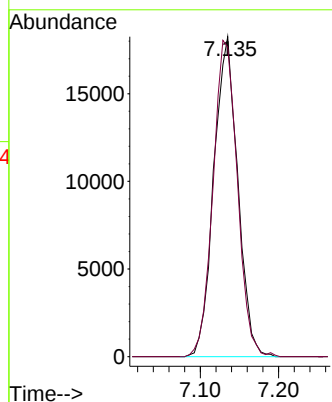
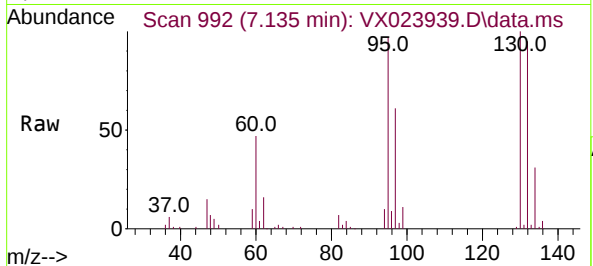




#44
Trichloroethene
Concen: 21.244 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX023939.D
Acq: 25 Aug 2021 15:31

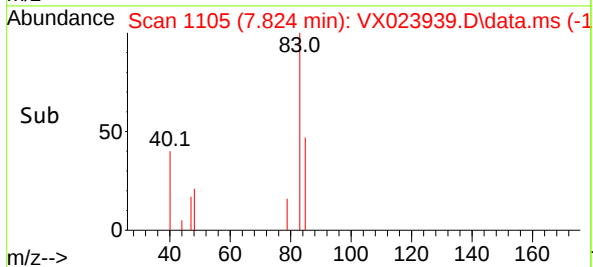
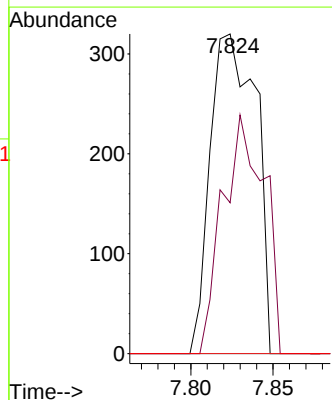
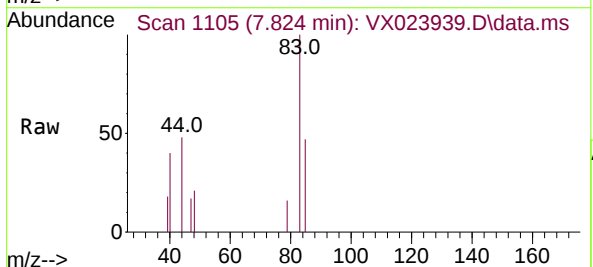
Instrument :
MSVOA_X
ClientSampleId :
WVLY-SW-16-GW-081921

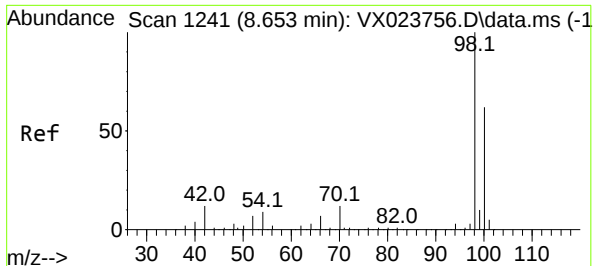
Tgt Ion:130 Resp: 38789
Ion Ratio Lower Upper
130 100
95 96.7 0.0 198.0



#47
Bromodichloromethane
Concen: 0.280 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. -0.006 min
Lab File: VX023939.D
Acq: 25 Aug 2021 15:31

Tgt Ion: 83 Resp: 619
Ion Ratio Lower Upper
83 100
85 47.2 51.4 77.0#
127 0.0 6.8 10.2#





#50

Toluene-d8

Concen: 47.211 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX023939.D

Acq: 25 Aug 2021 15:31

Tgt Ion: 98 Resp: 287059

Ion Ratio Lower Upper

98 100

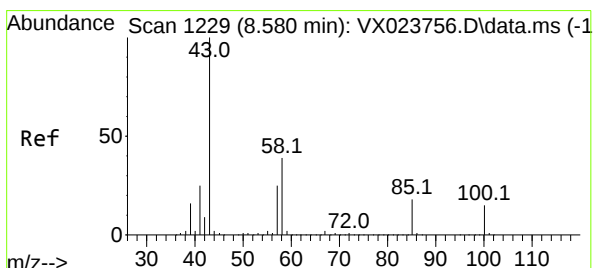
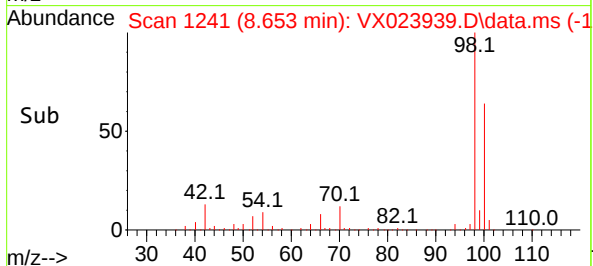
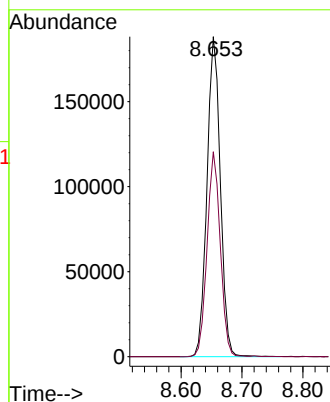
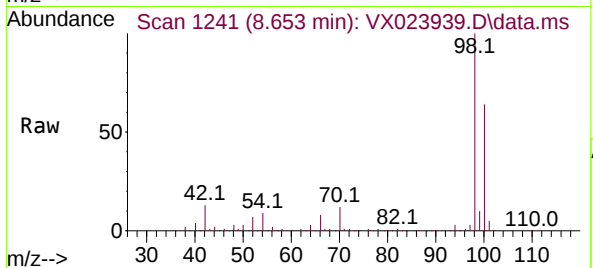
100 63.2 51.9 77.9

Instrument :

MSVOA_X

ClientSampleId :

WVLY-SW-16-GW-081921



#51

4-Methyl-2-Pentanone

Concen: 0.536 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.073 min

Lab File: VX023939.D

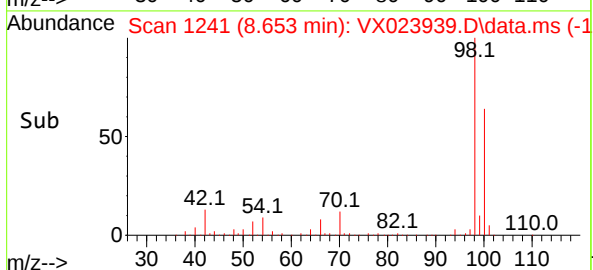
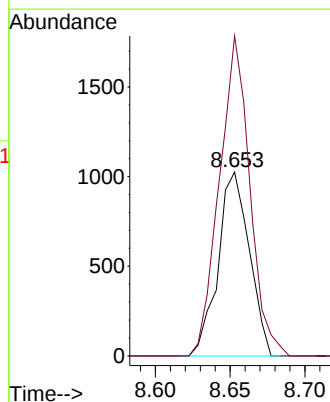
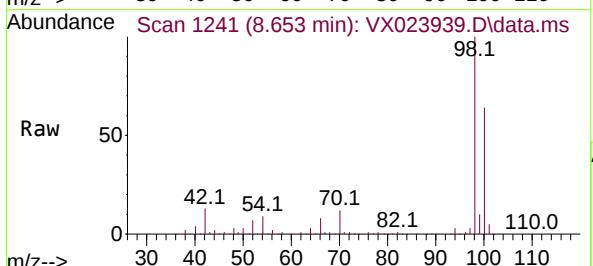
Acq: 25 Aug 2021 15:31

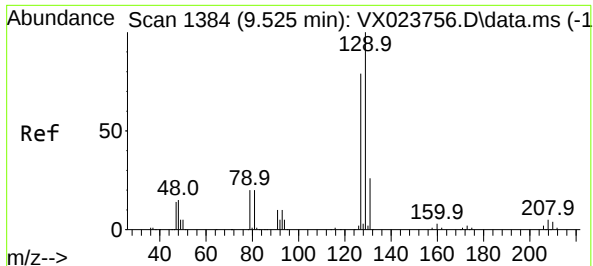
Tgt Ion: 43 Resp: 1489

Ion Ratio Lower Upper

43 100

58 169.4 35.4 53.0#

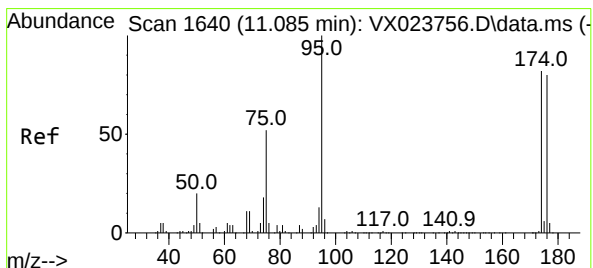
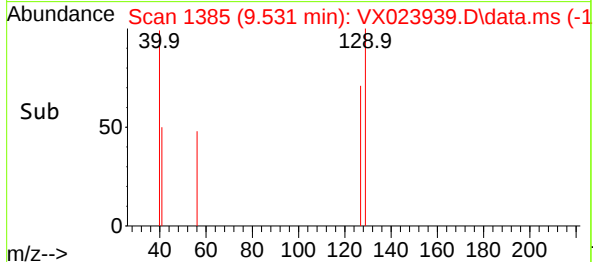
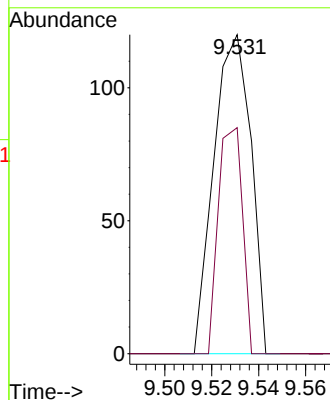
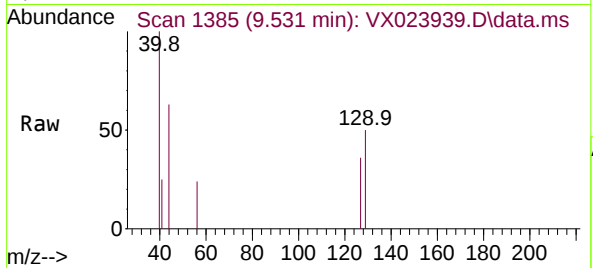




#60
Dibromochloromethane
Concen: 1.753 ug/l
RT: 9.531 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VX023939.D
Acq: 25 Aug 2021 15:31

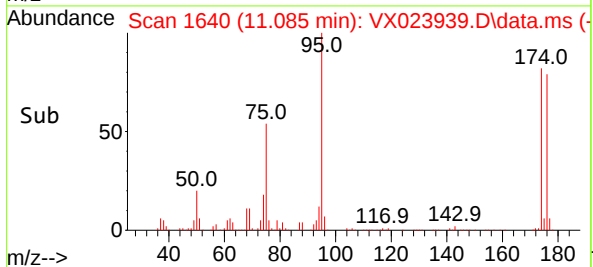
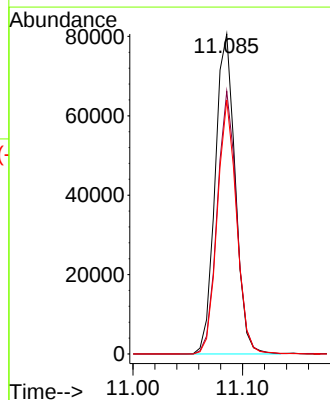
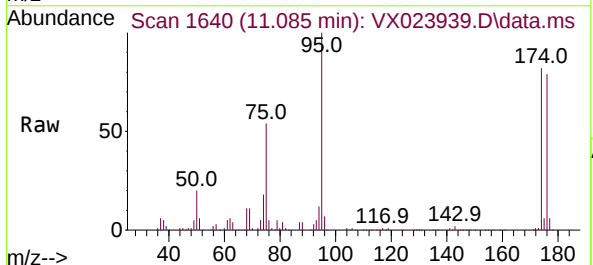
Instrument :
MSVOA_X
ClientSampleId :
WVLY-SW-16-GW-081921

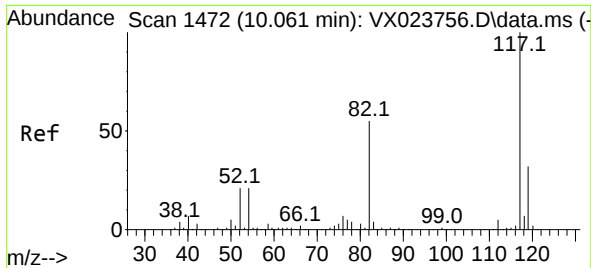
Tgt Ion:129 Resp: 132
Ion Ratio Lower Upper
129 100
127 46.2 38.4 115.2



#62
4-Bromofluorobenzene
Concen: 45.830 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023939.D
Acq: 25 Aug 2021 15:31

Tgt Ion: 95 Resp: 102583
Ion Ratio Lower Upper
95 100
174 79.4 0.0 154.6
176 76.0 0.0 155.8

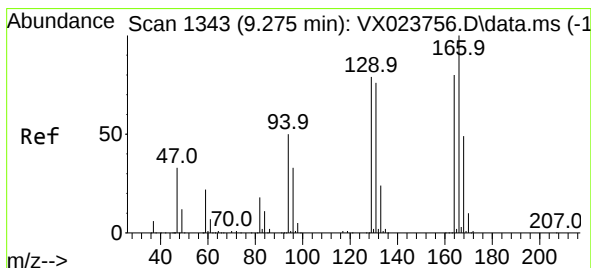
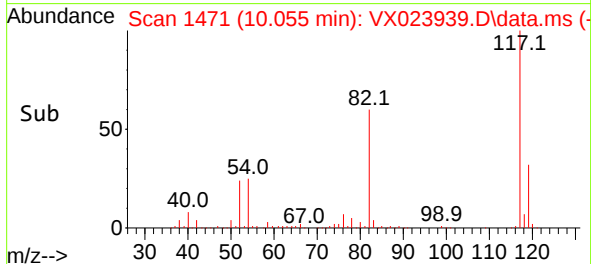
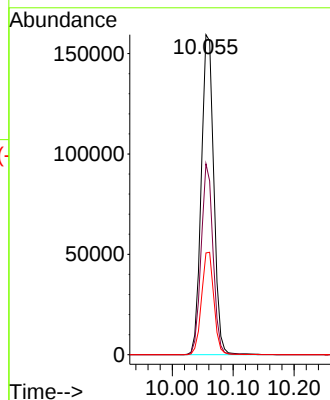
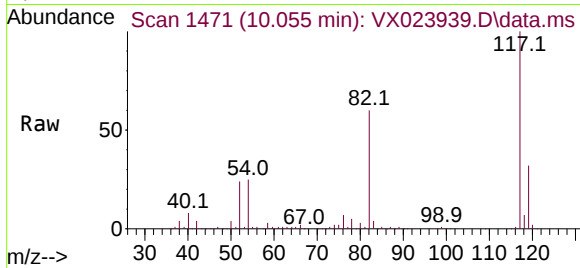




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023939.D
Acq: 25 Aug 2021 15:31

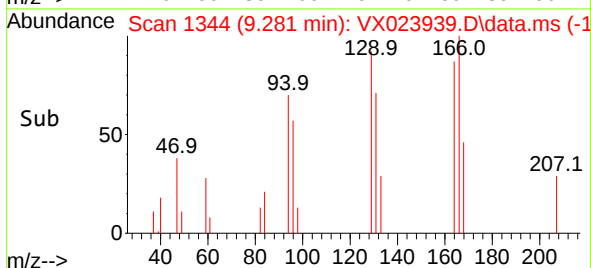
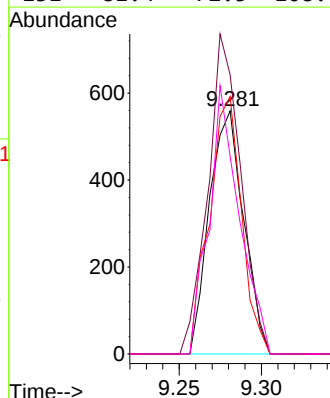
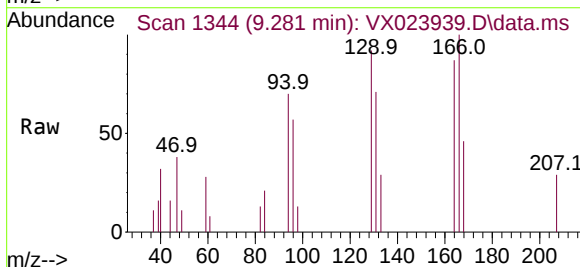
Instrument :
MSVOA_X
ClientSampleId :
WVLY-SW-16-GW-081921

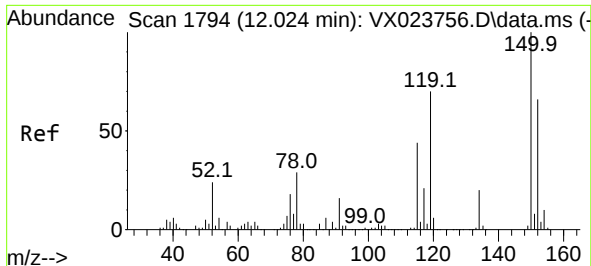
Tgt Ion:117 Resp: 227320
Ion Ratio Lower Upper
117 100
82 59.7 47.4 71.2
119 31.8 26.6 39.8



#64
Tetrachloroethene
Concen: 0.446 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX023939.D
Acq: 25 Aug 2021 15:31

Tgt Ion:164 Resp: 810
Ion Ratio Lower Upper
164 100
166 114.8 103.4 155.2
129 105.9 70.8 106.2
131 81.4 72.5 108.7

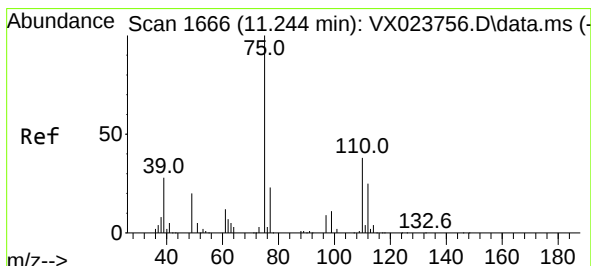
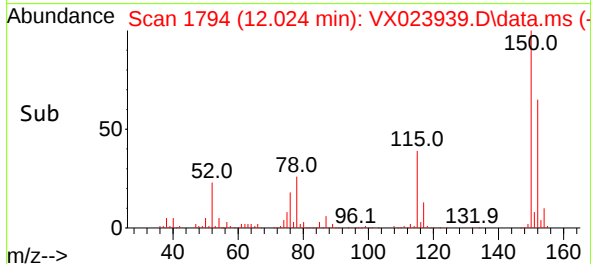
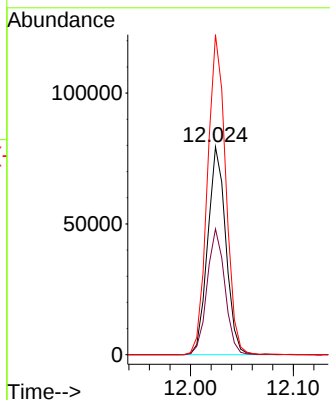
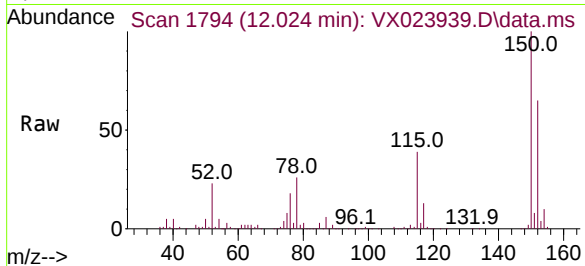




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023939.D
 Acq: 25 Aug 2021 15:31

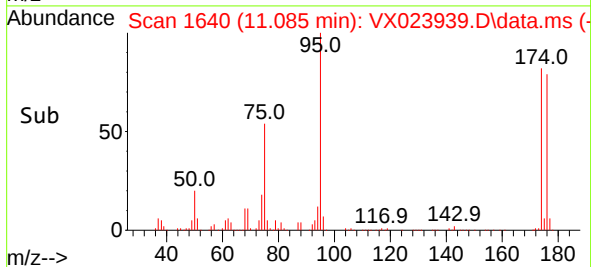
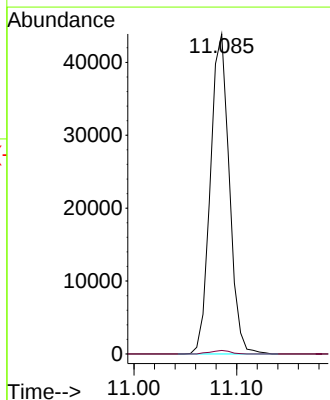
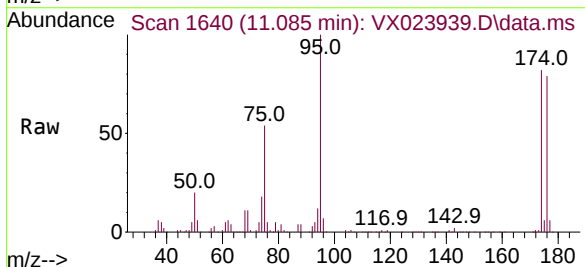
Instrument :
 MSVOA_X
 ClientSampleId :
 WVLY-SW-16-GW-081921

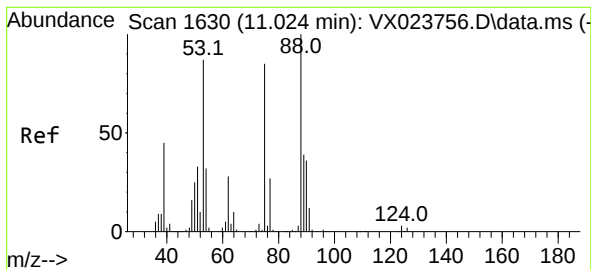
Tgt Ion:152 Resp: 97235
 Ion Ratio Lower Upper
 152 100
 115 59.5 41.1 123.3
 150 155.3 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 24.645 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023939.D
 Acq: 25 Aug 2021 15:31

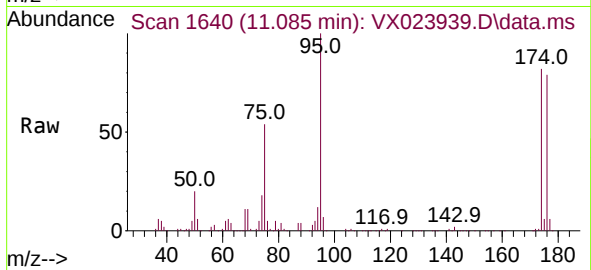
Tgt Ion: 75 Resp: 55900
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.493 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX023939.D
 Acq: 25 Aug 2021 15:31

Instrument :
 MSVOA_X
 ClientSampleId :
 WVLY-SW-16-GW-081921



Tgt Ion: 75 Resp: 55900
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

