

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101521\
 Data File : VW022838.D
 Acq On : 15 Oct 2021 15:55
 Operator : SY/MD
 Sample : M4223-12DL 5X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 16 05:29:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100721WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Oct 16 05:27:41 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	115169	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	118427	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	56877	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	47183	5.955	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	119.000%
7) Chloroethane-d5	1.568	69	35882	5.039	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.800%
11) 1,1-Dichloroethene-d2	2.108	63	54390	3.499	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.000%
20) 2-Butanone-d5	3.896	46	94108	45.295	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.600%
24) Chloroform-d	4.352	84	90452	5.539	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.800%
26) 1,2-Dichloroethane-d4	5.037	65	41853	5.281	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.600%
32) Benzene-d6	5.053	84	178244	5.056	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.200%
36) 1,2-Dichloropropane-d6	6.072	67	55306	5.297	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.000%
41) Toluene-d8	7.320	98	152871	5.016	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.400%
43) trans-1,3-Dichloroprop...	7.628	79	16795	4.849	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.000%
46) 2-Hexanone-d5	8.091	63	79166	56.719	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.440%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	38395	5.429	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.600%
66) 1,2-Dichlorobenzene-d4	11.625	152	58729	5.569	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.400%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.310	62	2208	0.253	ug/L #	70
12) 1,1-Dichloroethene	2.108	96	507	0.073	ug/L #	1
15) Methyl Acetate	2.452	43	1125	0.339	ug/L #	50
16) Methylene chloride	2.510	84	8718	0.910	ug/L	90
17) Methyl tert-butyl Ether	2.773	73	3222	0.191	ug/L #	86
19) 1,1-Dichloroethane	3.198	63	982	0.072	ug/L #	86
22) cis-1,2-Dichloroethene	3.915	96	41704	5.250	ug/L	98
34) Trichloroethene	5.921	95	10373	1.196	ug/L	93
35) Methylcyclohexane	6.072	83	13531	1.113	ug/L #	17
37) 1,2-Dichloropropane	6.072	63	6171	0.804	ug/L #	85
39) cis-1,3-Dichloropropene	6.989	75	1230	0.121	ug/L #	79
42) Toluene	7.400	91	3458	0.107	ug/L	94
47) Tetrachloroethene	7.979	164	57429	8.187	ug/L	97
48) 2-Hexanone	8.091	43	10068	3.341	ug/L #	66
49) Dibromochloromethane	7.979	129	50971	7.649	ug/L #	7
64) 1,3-Dichlorobenzene	11.194	146	933	0.062	ug/L	92
65) 1,4-Dichlorobenzene	11.275	146	888	0.058	ug/L #	70
67) 1,2-Dichlorobenzene	11.641	146	1123	0.079	ug/L #	81
68) 1,2-Dibromo-3-chloropr...	12.259	75	146	0.203	ug/L #	1

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV101521\
Data File : VV022838.D
Acq On : 15 Oct 2021 15:55
Operator : SY/MD
Sample : M4223-12DL 5X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

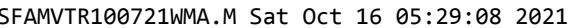
Instrument :
MSVOA_V
ClientSampleId :

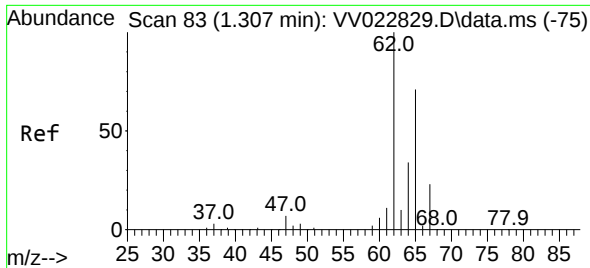
Quant Time: Oct 16 05:29:06 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100721WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Oct 16 05:27:41 2021
Response via : Initial Calibration

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

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

Quant Time: Oct 16 05:29:06 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100721WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Oct 16 05:27:41 2021
Response via : Initial Calibration

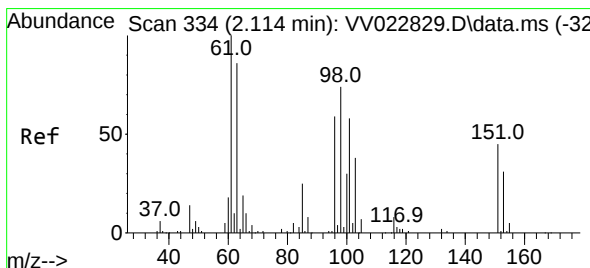
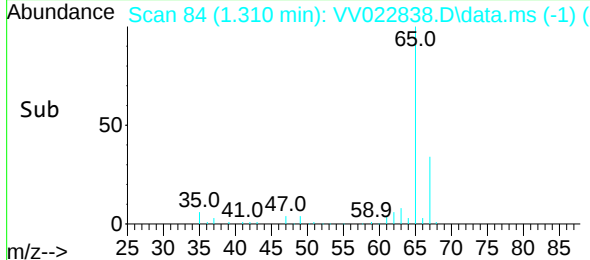
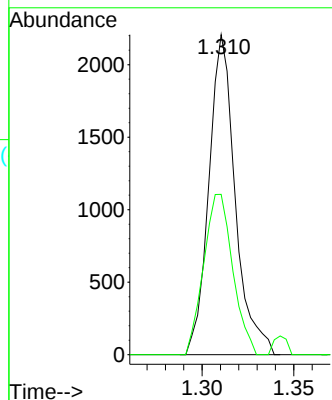
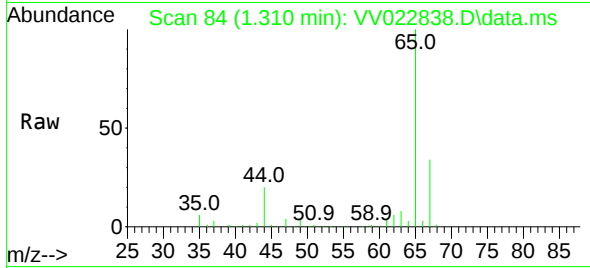




#5
 Vinyl chloride
 Concen: 0.253 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV022838.D
 Acq: 15 Oct 2021 15:55

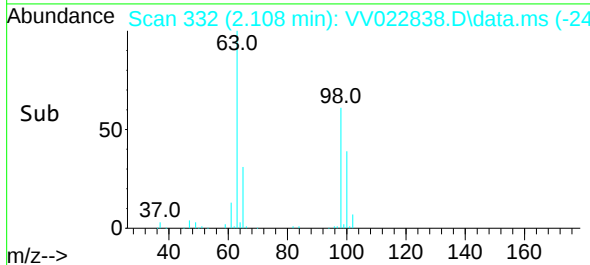
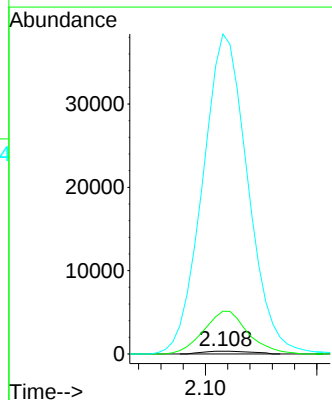
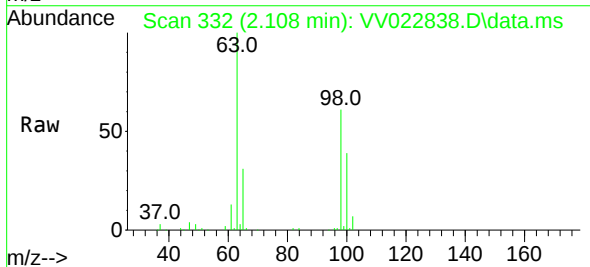
Instrument :
 MSVOA_V
 ClientSampled :

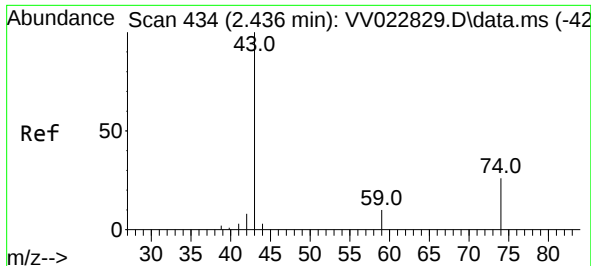
Tgt Ion: 62 Resp: 2208
 Ion Ratio Lower Upper
 62 100
 64 50.1 23.0 42.8#



#12
 1,1-Dichloroethene
 Concen: 0.073 ug/L
 RT: 2.108 min Scan# 332
 Delta R.T. -0.006 min
 Lab File: VV022838.D
 Acq: 15 Oct 2021 15:55

Tgt Ion: 96 Resp: 507
 Ion Ratio Lower Upper
 96 100
 61 1531.9 127.3 236.5#
 63 11465.1 106.2 197.2#

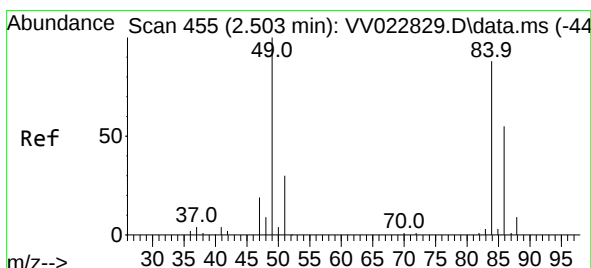
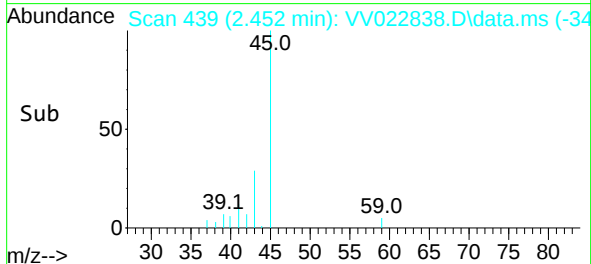
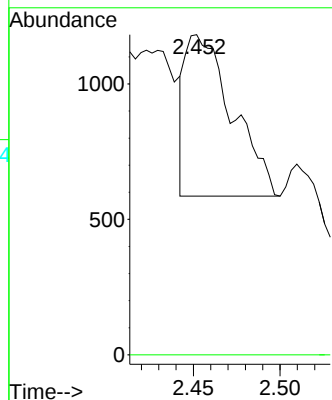
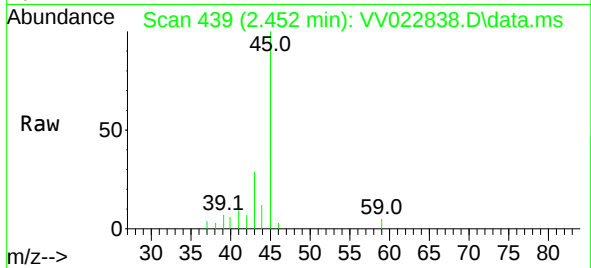




#15
Methyl Acetate
Concen: 0.339 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.016 min
Lab File: VV022838.D
Acq: 15 Oct 2021 15:55

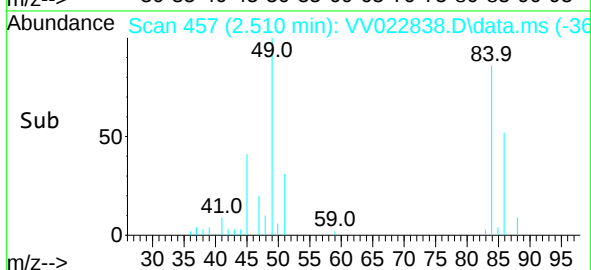
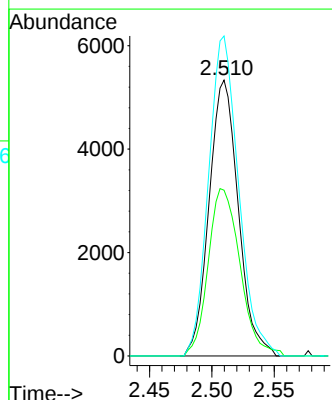
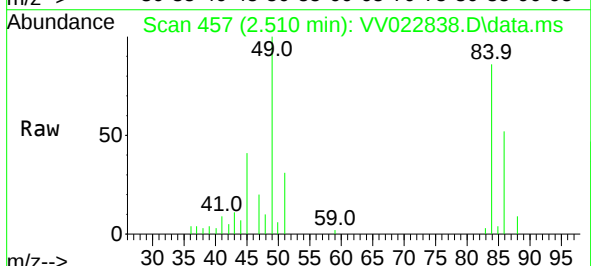
Instrument :
MSVOA_V
ClientSampled :

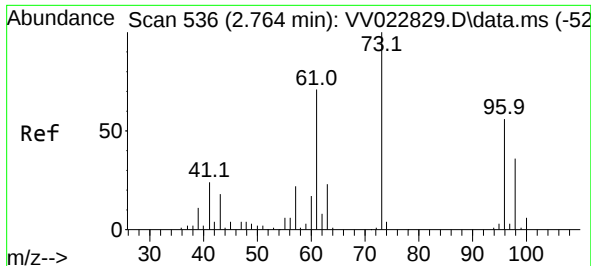
Tgt Ion: 43 Resp: 1125
Ion Ratio Lower Upper
43 100
74 0.0 19.9 29.9#



#16
Methylene chloride
Concen: 0.910 ug/L
RT: 2.510 min Scan# 457
Delta R.T. 0.006 min
Lab File: VV022838.D
Acq: 15 Oct 2021 15:55

Tgt Ion: 84 Resp: 8718
Ion Ratio Lower Upper
84 100
86 60.1 45.8 85.2
49 116.0 90.3 167.7

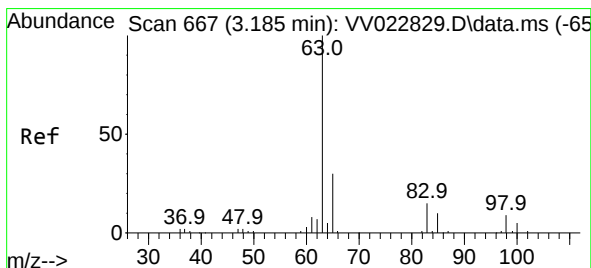
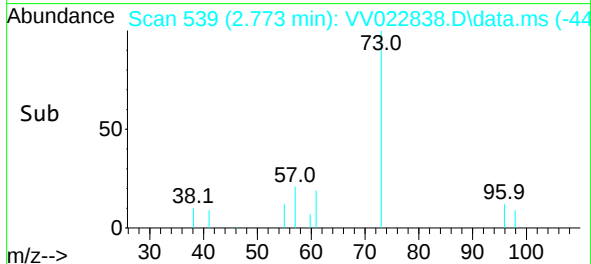
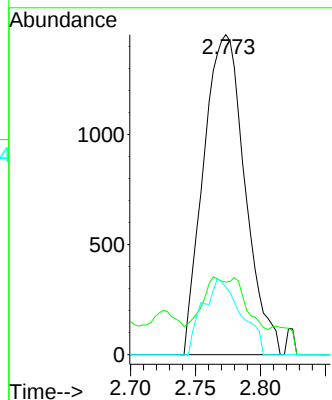
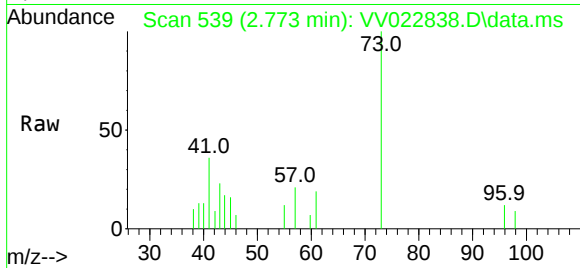




#17
Methyl tert-butyl Ether
Concen: 0.191 ug/L
RT: 2.773 min Scan# 539
Delta R.T. 0.010 min
Lab File: VV022838.D
Acq: 15 Oct 2021 15:55

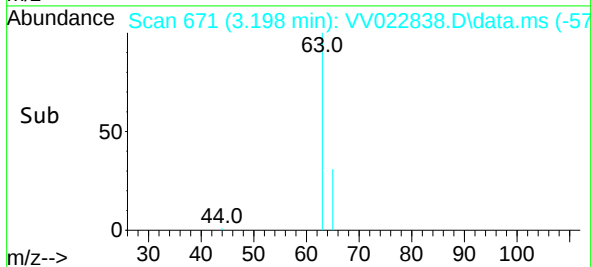
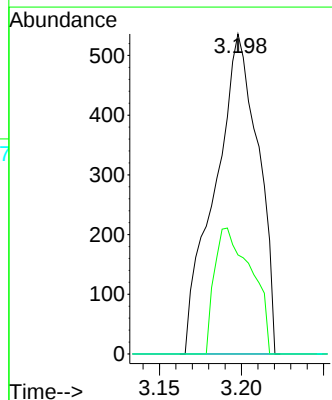
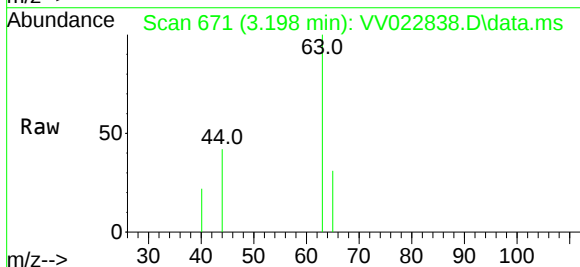
Instrument :
MSVOA_V
ClientSampled :

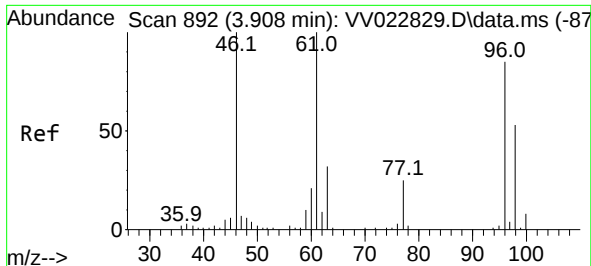
Tgt Ion: 73 Resp: 3222
Ion Ratio Lower Upper
73 100
43 8.2 17.1 25.7#
57 22.0 17.2 25.8



#19
1,1-Dichloroethane
Concen: 0.072 ug/L
RT: 3.198 min Scan# 671
Delta R.T. 0.013 min
Lab File: VV022838.D
Acq: 15 Oct 2021 15:55

Tgt Ion: 63 Resp: 982
Ion Ratio Lower Upper
63 100
65 31.0 23.5 43.7
83 0.0 10.1 18.7#

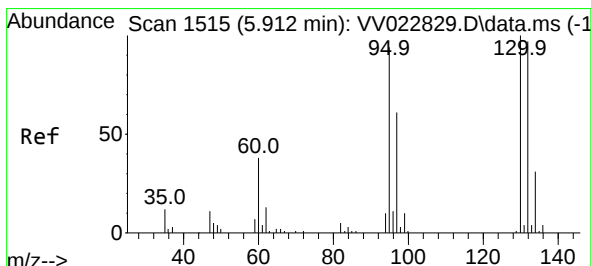
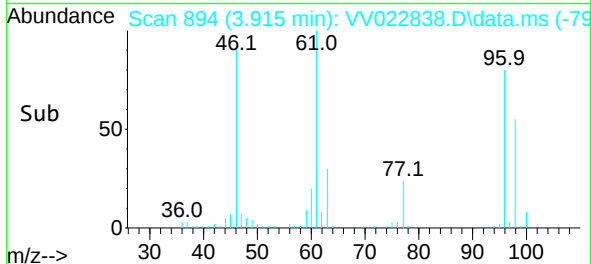
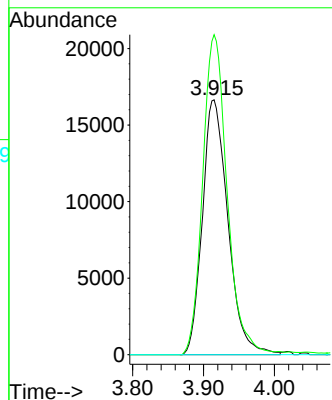
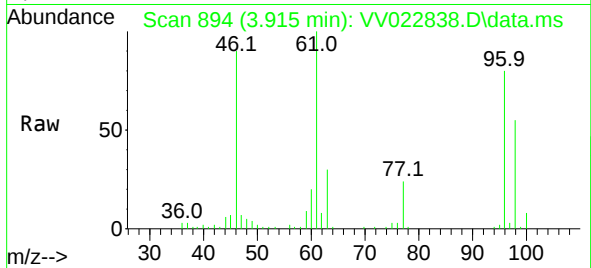




#22
 cis-1,2-Dichloroethene
 Concen: 5.250 ug/L
 RT: 3.915 min Scan# 894
 Delta R.T. 0.006 min
 Lab File: VV022838.D
 Acq: 15 Oct 2021 15:55

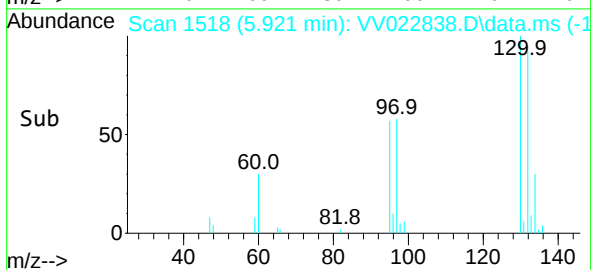
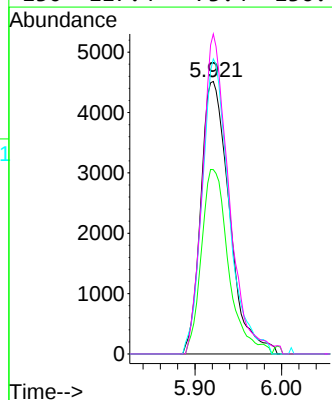
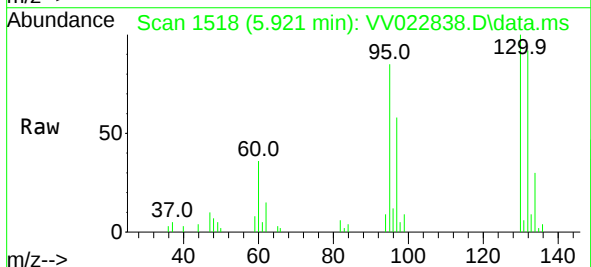
Instrument :
 MSVOA_V
 ClientSampled :

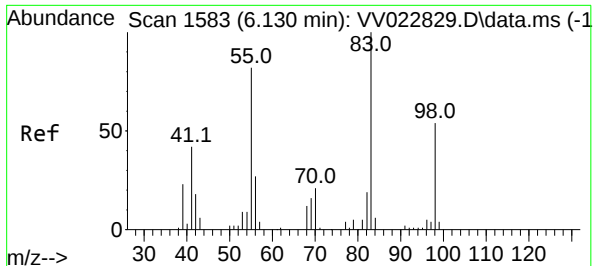
Tgt Ion: 96 Resp: 41704
 Ion Ratio Lower Upper
 96 100
 61 125.6 86.0 159.6
 68 0.0 0.0 0.0



#34
 Trichloroethene
 Concen: 1.196 ug/L
 RT: 5.921 min Scan# 1518
 Delta R.T. 0.010 min
 Lab File: VV022838.D
 Acq: 15 Oct 2021 15:55

Tgt Ion: 95 Resp: 10373
 Ion Ratio Lower Upper
 95 100
 97 67.6 45.8 85.2
 132 108.3 72.2 134.0
 130 117.4 73.4 136.4





#35

Methylcyclohexane

Concen: 1.113 ug/L

RT: 6.072 min Scan# 1565

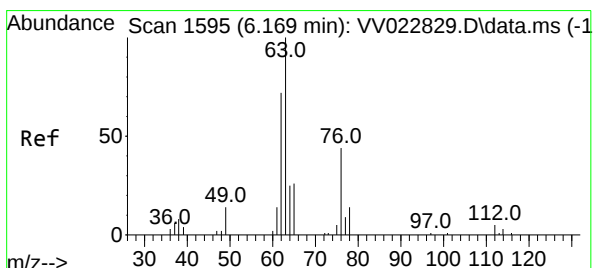
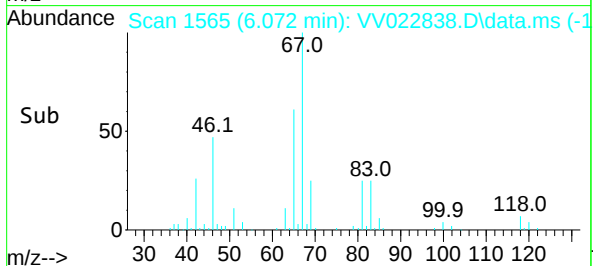
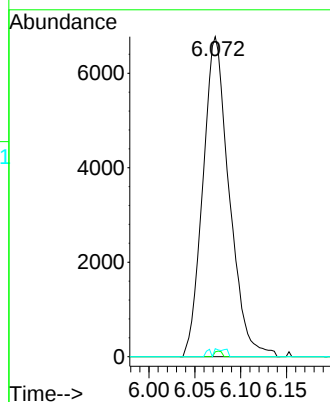
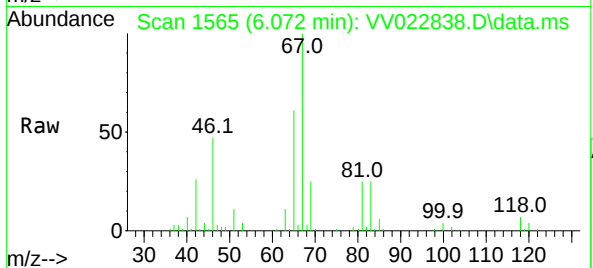
Delta R.T. -0.058 min

Lab File: VV022838.D

Acq: 15 Oct 2021 15:55

Tgt Ion:	83	Resp:	13531
Ion	Ratio	Lower	Upper
83	100		
55	0.5	63.8	95.6#
98	1.1	42.1	63.1#

Instrument :
MSVOA_V
ClientSampled :



#37

1,2-Dichloropropane

Concen: 0.804 ug/L

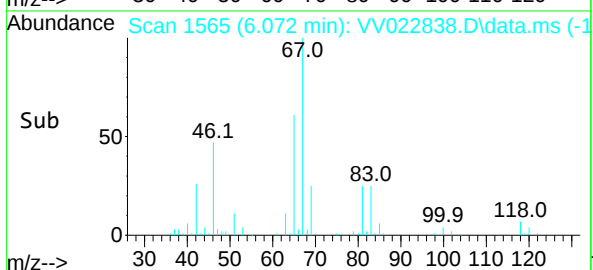
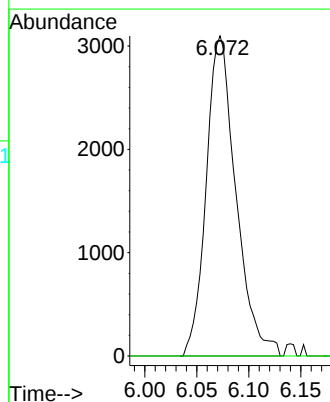
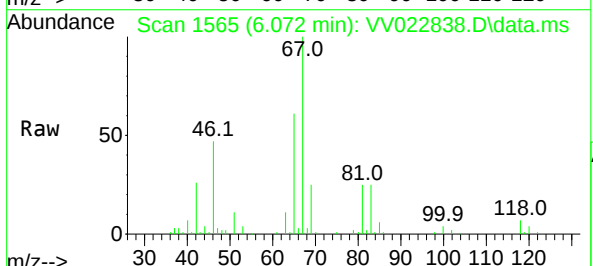
RT: 6.072 min Scan# 1565

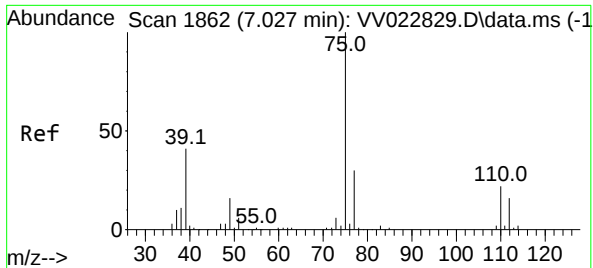
Delta R.T. -0.096 min

Lab File: VV022838.D

Acq: 15 Oct 2021 15:55

Tgt Ion:	63	Resp:	6171
Ion	Ratio	Lower	Upper
63	100		
112	0.3	4.4	6.6#

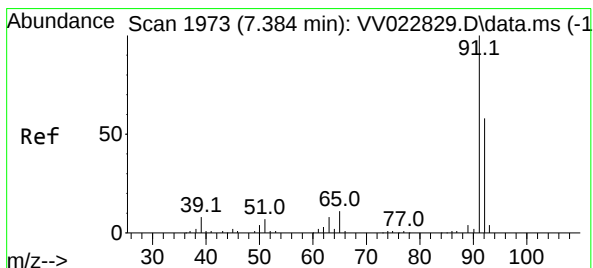
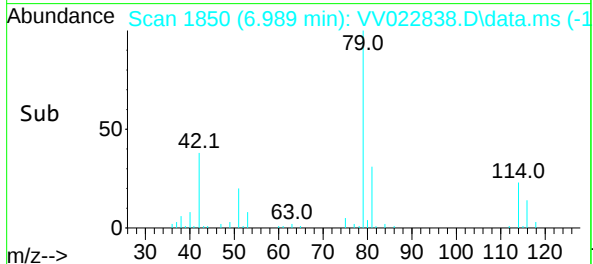
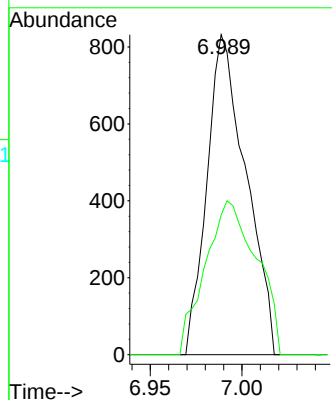
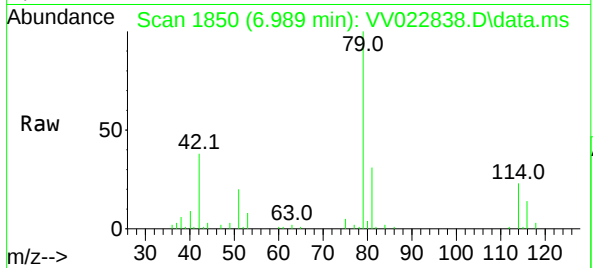




#39
cis-1,3-Dichloropropene
Concen: 0.121 ug/L
RT: 6.989 min Scan# 1850
Delta R.T. -0.039 min
Lab File: VV022838.D
Acq: 15 Oct 2021 15:55

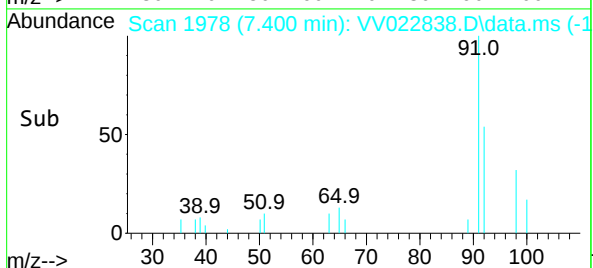
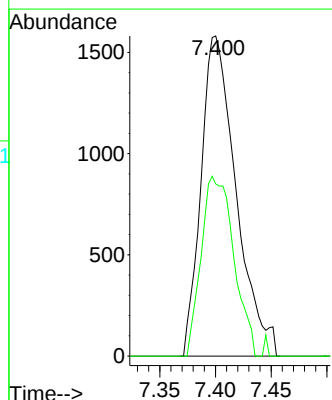
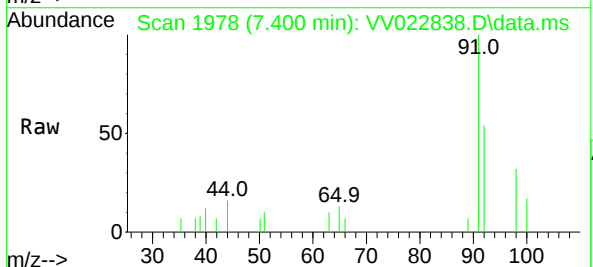
Instrument :
MSVOA_V
ClientSampled :

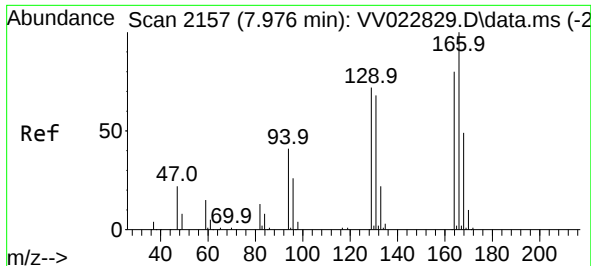
Tgt Ion: 75 Resp: 1230
Ion Ratio Lower Upper
75 100
77 43.6 22.3 41.3#



#42
Toluene
Concen: 0.107 ug/L
RT: 7.400 min Scan# 1978
Delta R.T. 0.016 min
Lab File: VV022838.D
Acq: 15 Oct 2021 15:55

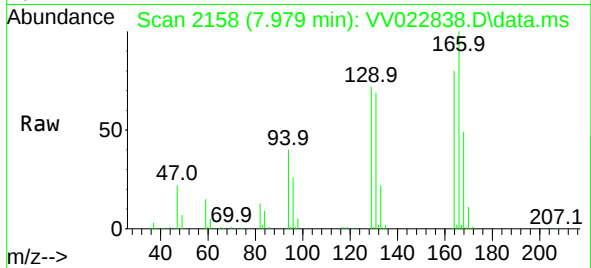
Tgt Ion: 91 Resp: 3458
Ion Ratio Lower Upper
91 100
92 53.8 40.7 75.7



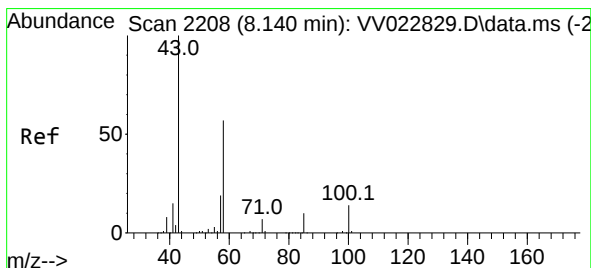
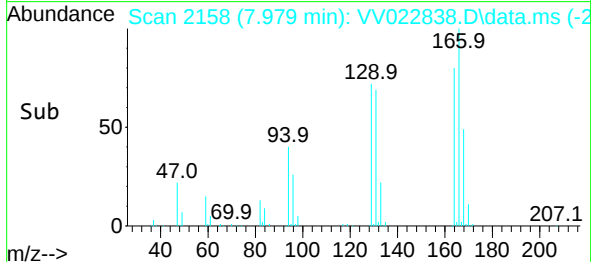
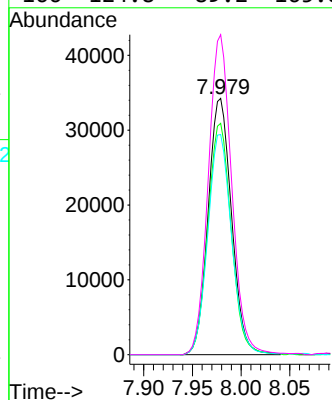


#47
Tetrachloroethene
Concen: 8.187 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. 0.003 min
Lab File: VV022838.D
Acq: 15 Oct 2021 15:55

Instrument :
MSVOA_V
ClientSampled :

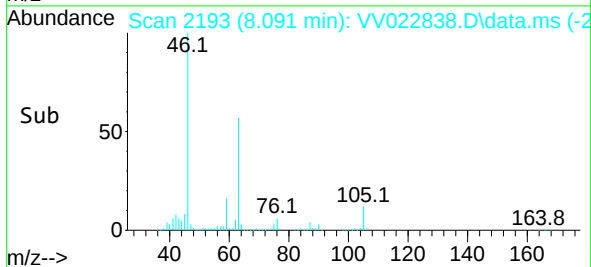
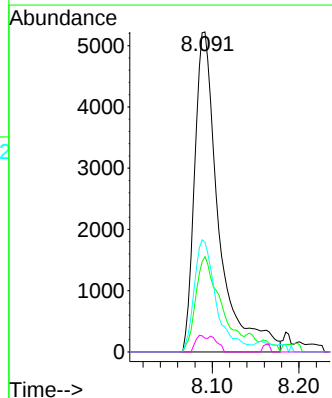
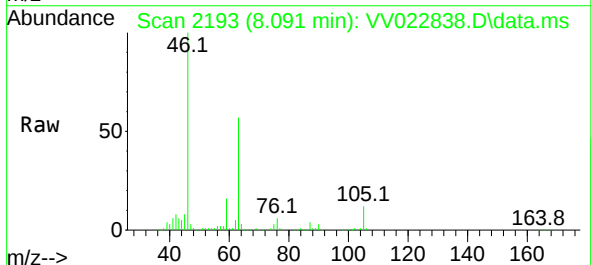


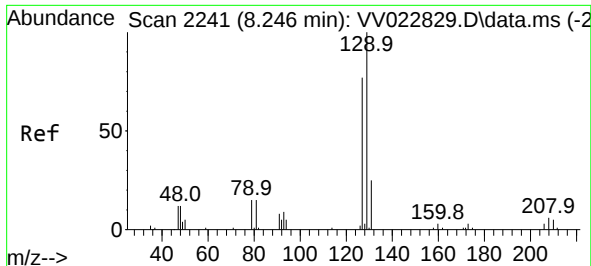
Tgt Ion:	164	Resp:	57429
Ion Ratio	Lower	Upper	
164	100		
129	90.3	65.0	120.6
131	85.9	62.2	115.4
166	124.8	89.2	165.8



#48
2-Hexanone
Concen: 3.341 ug/L
RT: 8.091 min Scan# 2193
Delta R.T. -0.048 min
Lab File: VV022838.D
Acq: 15 Oct 2021 15:55

Tgt Ion:	43	Resp:	10068
Ion Ratio	Lower	Upper	
43	100		
58	30.9	47.4	71.0#
57	32.5	15.3	22.9#
100	2.5	10.4	15.6#





#49

Dibromochloromethane

Concen: 7.649 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.267 min

Lab File: VV022838.D

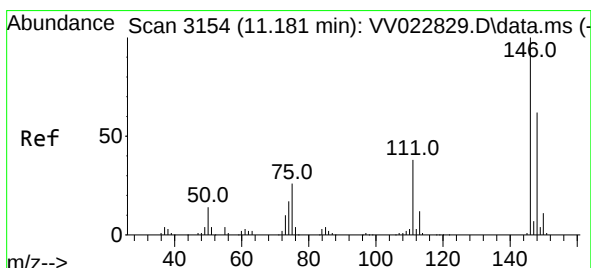
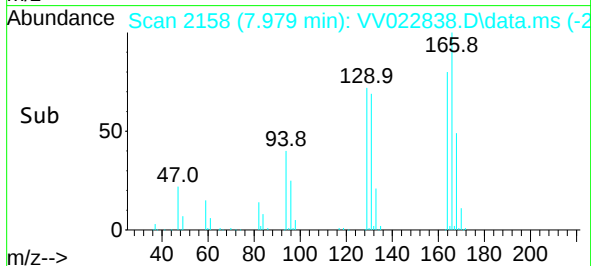
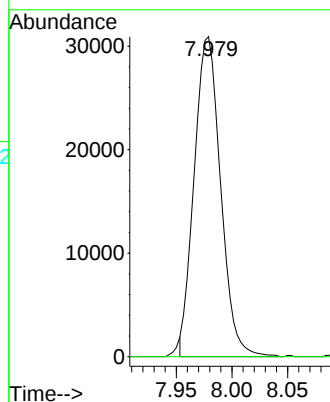
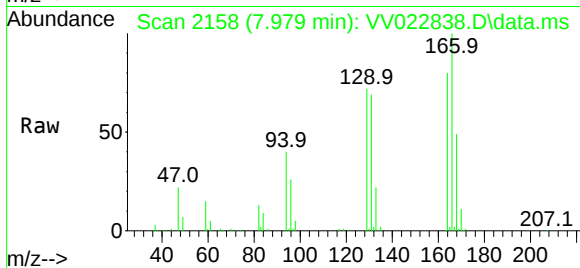
Acq: 15 Oct 2021 15:55

Tgt Ion:129 Resp: 50971

Ion Ratio Lower Upper

129 100

127 0.0 59.1 109.9#



#64

1,3-Dichlorobenzene

Concen: 0.062 ug/L

RT: 11.194 min Scan# 3158

Delta R.T. 0.013 min

Lab File: VV022838.D

Acq: 15 Oct 2021 15:55

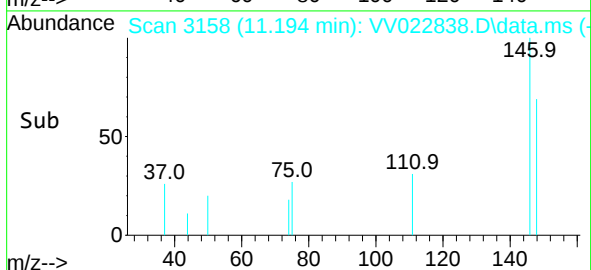
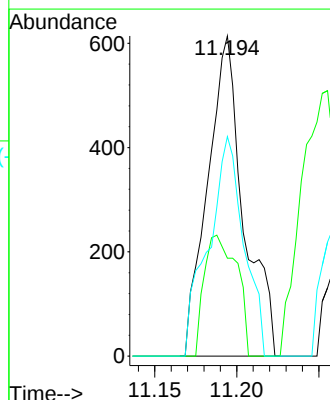
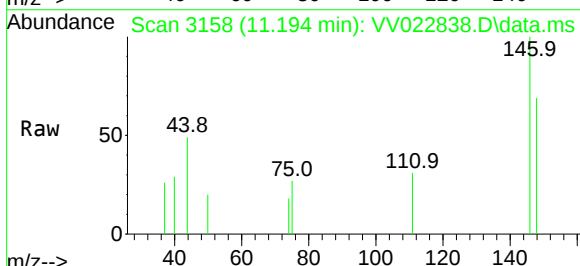
Tgt Ion:146 Resp: 933

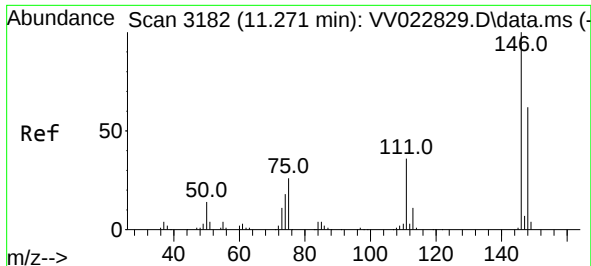
Ion Ratio Lower Upper

146 100

111 30.6 26.7 49.5

148 68.6 45.1 83.9

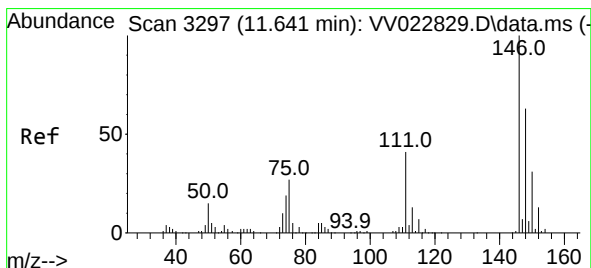
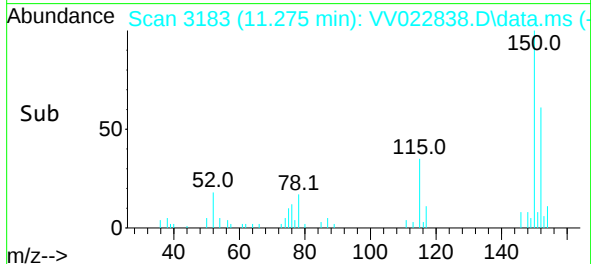
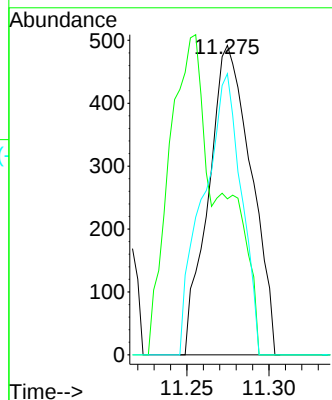
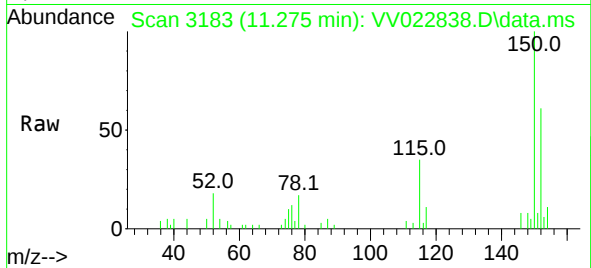




#65
1,4-Dichlorobenzene
Concen: 0.058 ug/L
RT: 11.275 min Scan# 3183
Delta R.T. 0.003 min
Lab File: VV022838.D
Acq: 15 Oct 2021 15:55

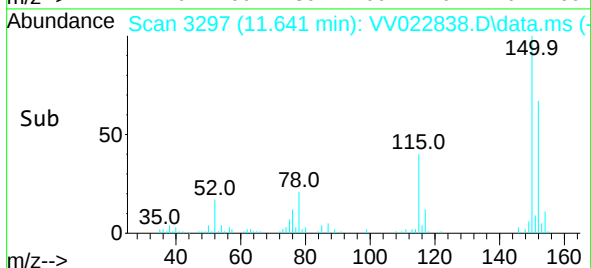
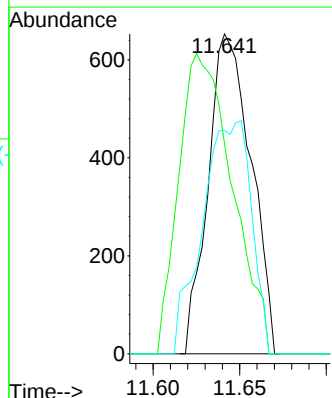
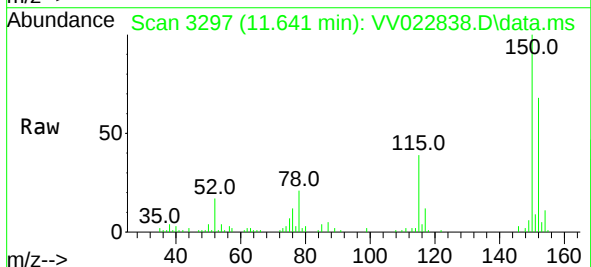
Instrument :
MSVOA_V
ClientSampled :

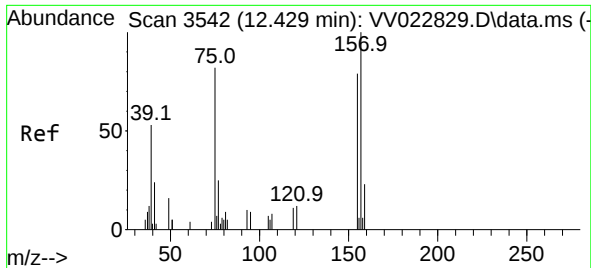
Tgt Ion:146 Resp: 888
Ion Ratio Lower Upper
146 100
111 50.4 25.6 47.4#
148 90.9 44.9 83.5#



#67
1,2-Dichlorobenzene
Concen: 0.079 ug/L
RT: 11.641 min Scan# 3297
Delta R.T. -0.000 min
Lab File: VV022838.D
Acq: 15 Oct 2021 15:55

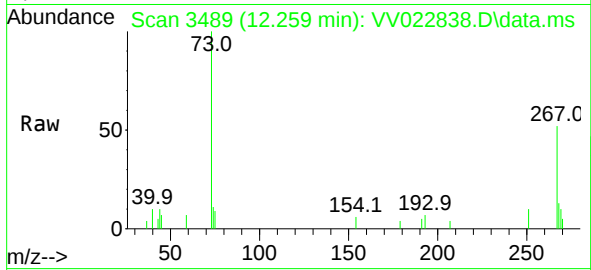
Tgt Ion:146 Resp: 1123
Ion Ratio Lower Upper
146 100
111 65.7 32.3 48.5#
148 69.8 52.1 78.1





#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.203 ug/L
 RT: 12.259 min Scan# 3489
 Delta R.T. -0.170 min
 Lab File: VV022838.D
 Acq: 15 Oct 2021 15:55

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75 Resp: 146
 Ion Ratio Lower Upper
 75 100
 155 0.0 82.4 123.6#
 157 0.0 114.1 171.1#

