

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100422\
 Data File : VW028348.D
 Acq On : 05 Oct 2022 00:34
 Operator : SY/MD
 Sample : N4872-09
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 05 04:18:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Oct 04 02:28:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	167312	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	170239	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	100722	5.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	61527	4.894	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.800%
7) Chloroethane-d5	1.561	69	58555	5.502	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.000%
11) 1,1-Dichloroethene-d2	2.101	63	87777	3.705	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.000%
20) 2-Butanone-d5	3.896	46	159102	74.799	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	149.600%#
24) Chloroform-d	4.343	84	132042	5.798	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	116.000%
26) 1,2-Dichloroethane-d4	5.024	65	62313	5.902	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	118.000%
32) Benzene-d6	5.043	84	266086	5.698	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.000%
36) 1,2-Dichloropropane-d6	6.066	67	80962	6.043	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	120.800%
41) Toluene-d8	7.310	98	220129	5.125	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.600%
43) trans-1,3-Dichloroprop...	7.622	79	26398	5.174	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.400%
46) 2-Hexanone-d5	8.085	63	136288	65.260	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	130.520%#
56) 1,1,2,2-Tetrachloroeth...	10.214	84	61632	6.069	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	121.400%#
66) 1,2-Dichlorobenzene-d4	11.622	152	99337	5.731	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.233	50	1760	0.138	ug/L	96
5) Vinyl chloride	1.304	62	821	0.057	ug/L #	1
6) Bromomethane	1.523	94	435	0.064	ug/L	73
8) Chloroethane	1.391	64	260915	27.260	ug/L #	51
12) 1,1-Dichloroethene	2.101	96	1144	0.095	ug/L #	1
13) Acetone	2.188	43	121457	86.958	ug/L	94
15) Methyl Acetate	2.188	43	120508	31.700	ug/L #	55
19) 1,1-Dichloroethane	3.185	63	15925	0.748	ug/L	98
22) cis-1,2-Dichloroethene	3.905	96	35885	2.851	ug/L	95
25) Chloroform	4.375	83	5320	0.228	ug/L	85
29) 1,1,1-Trichloroethane	4.600	97	691	0.033	ug/L #	55
30) Cyclohexane	4.661	56	2064	0.114	ug/L #	75
33) Benzene	5.098	78	2442	0.048	ug/L	100
34) Trichloroethene	5.912	95	13341	1.051	ug/L	96
35) Methylcyclohexane	6.066	83	20483	0.989	ug/L #	17
37) 1,2-Dichloropropane	6.172	63	1828	0.156	ug/L #	87
39) cis-1,3-Dichloropropene	6.986	75	1450	0.087	ug/L #	1
44) trans-1,3-Dichloropropene	7.622	75	1079	0.076	ug/L	94
47) Tetrachloroethene	7.973	164	10603	0.956	ug/L	97

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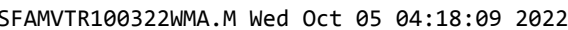
Quant Time: Oct 05 04:18:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100322WMA.M
 Quant Title : TRACE VOA SFAM1.0
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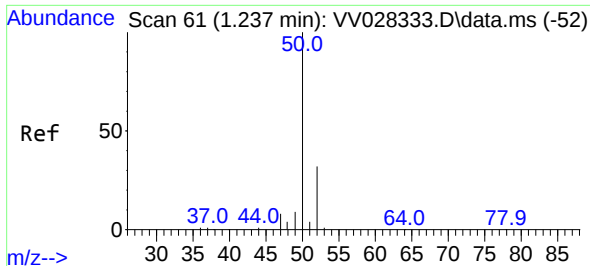
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

49) Dibromochloromethane	7.973	129	9012	0.818	ug/L #	11
51) Chlorobenzene	8.876	112	276476	7.796	ug/L	98
61) 1,2,3-Trichloropropane	11.175	75	494612	63.643	ug/L #	49
62) 1,3,5-Trimethylbenzene	11.509	105	15070	0.860	ug/L #	30
63) 1,2,4-Trimethylbenzene	11.509	105	15070	0.304	ug/L #	23
64) 1,3-Dichlorobenzene	11.178	146	1799395	59.431	ug/L	99
65) 1,4-Dichlorobenzene	11.268	146	4174735	137.705	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	6231569	226.934	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.397	75	954	0.539	ug/L #	1
70) 1,2,4-trichlorobenzene	13.259	180	82831	4.539	ug/L	100
72) 1,2,3-Trichlorobenzene	13.741	180	47684	2.898	ug/L	99

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

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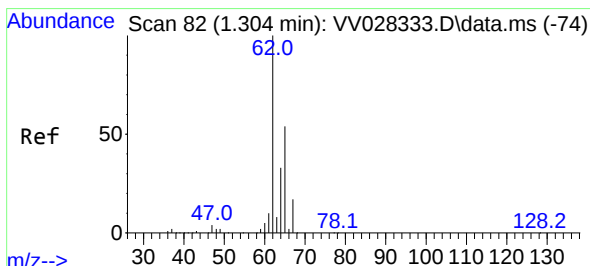
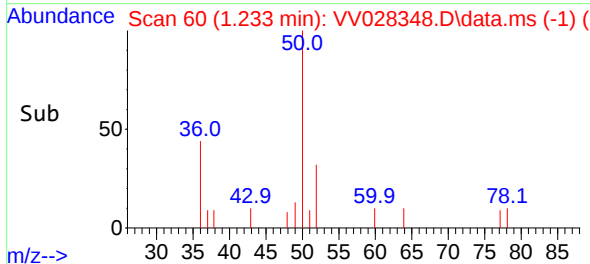
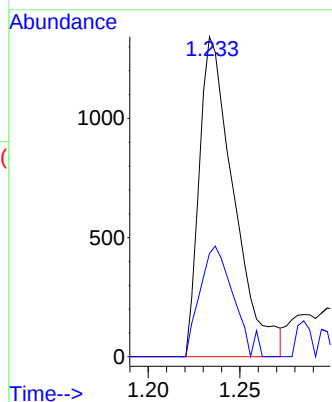
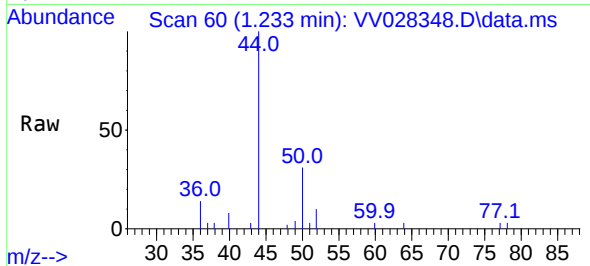




#3
Chloromethane
Concen: 0.138 ug/L
RT: 1.233 min Scan# 60
Delta R.T. -0.003 min
Lab File: VV028348.D
Acq: 05 Oct 2022 00:34

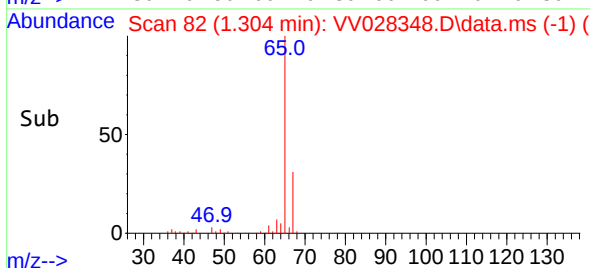
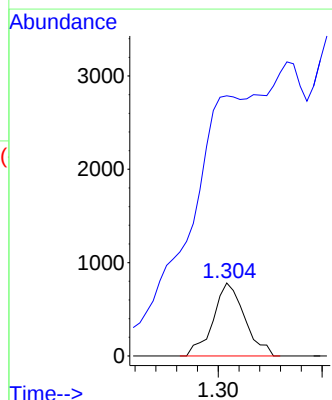
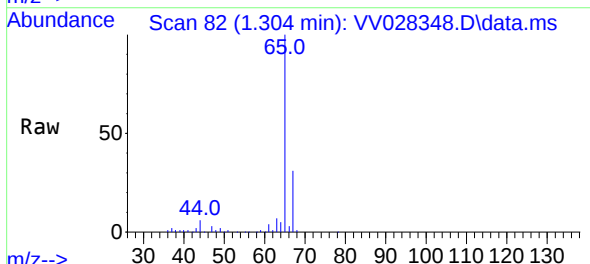
Instrument :
MSVOA_V
ClientSampleId :

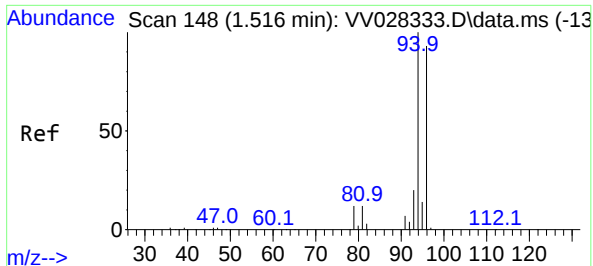
Tgt Ion: 50 Resp: 1760
Ion Ratio Lower Upper
50 100
52 32.2 24.4 45.2



#5
Vinyl chloride
Concen: 0.057 ug/L
RT: 1.304 min Scan# 82
Delta R.T. 0.000 min
Lab File: VV028348.D
Acq: 05 Oct 2022 00:34

Tgt Ion: 62 Resp: 821
Ion Ratio Lower Upper
62 100
64 356.4 23.0 42.8#

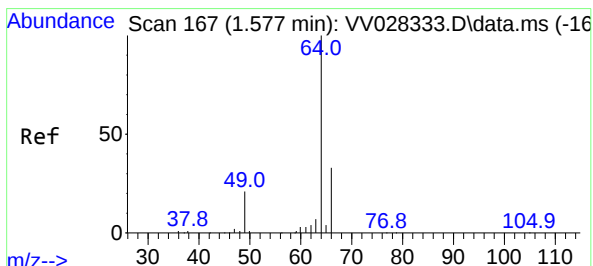
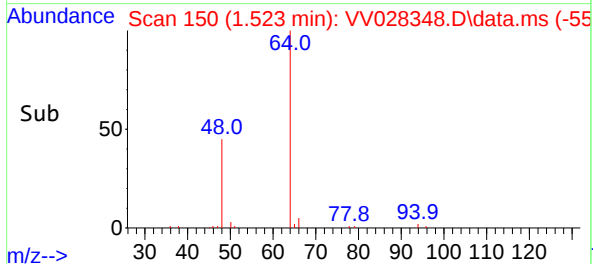
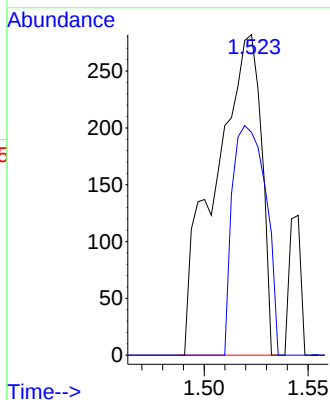
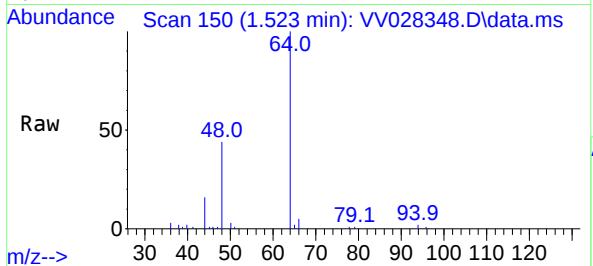




#6
Bromomethane
Concen: 0.064 ug/L
RT: 1.523 min Scan# 11
Delta R.T. 0.007 min
Lab File: VV028348.D
Acq: 05 Oct 2022 00:34

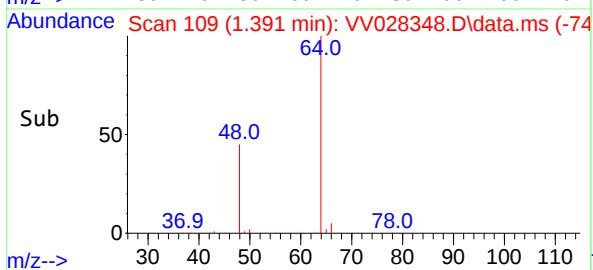
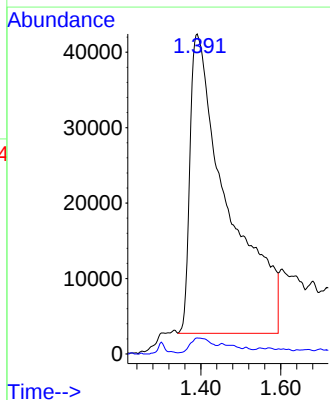
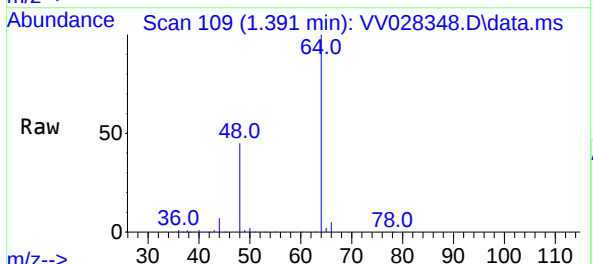
Instrument :
MSVOA_V
ClientSampleId :

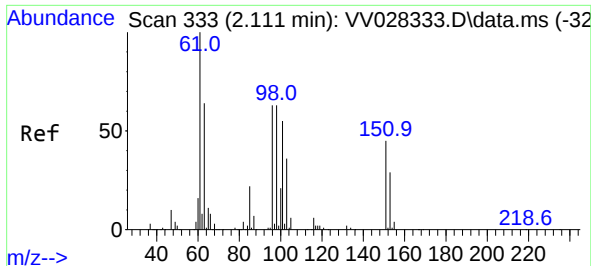
Tgt Ion: 94 Resp: 435
Ion Ratio Lower Upper
94 100
96 69.5 66.7 123.9



#8
Chloroethane
Concen: 27.260 ug/L
RT: 1.391 min Scan# 109
Delta R.T. -0.186 min
Lab File: VV028348.D
Acq: 05 Oct 2022 00:34

Tgt Ion: 64 Resp: 260915
Ion Ratio Lower Upper
64 100
66 5.0 23.0 42.8#





#12

1,1-Dichloroethene

Concen: 0.095 ug/L

RT: 2.101 min Scan# 31

Delta R.T. -0.009 min

Lab File: VV028348.D

Acq: 05 Oct 2022 00:34

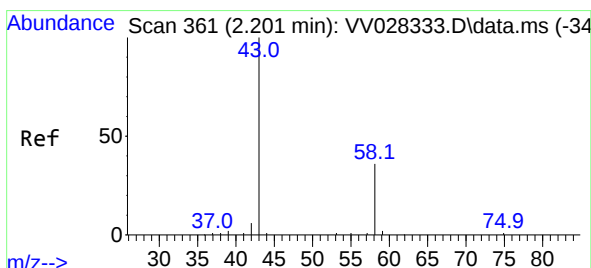
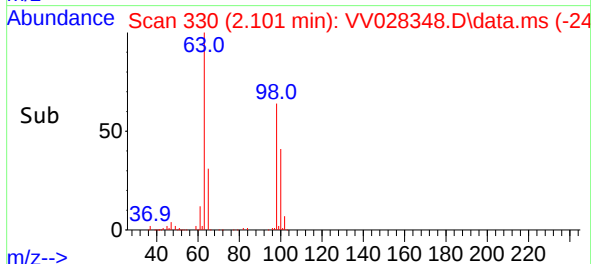
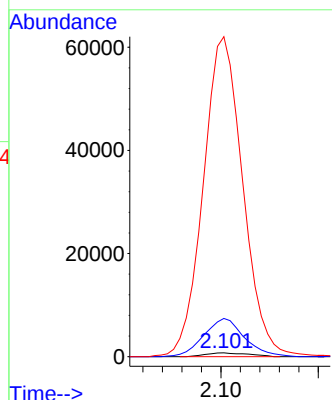
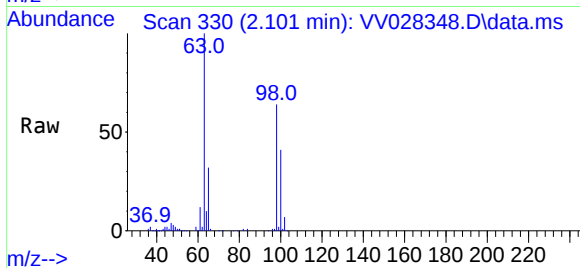
Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 96 Resp: 1144

Ion	Ratio	Lower	Upper
96	100		
61	990.4	128.3	238.3#
63	8296.3	112.7	209.3#



#13

Acetone

Concen: 86.958 ug/L

RT: 2.188 min Scan# 357

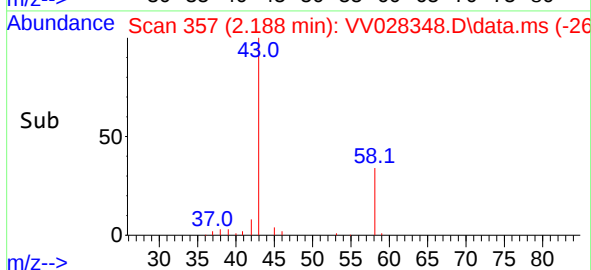
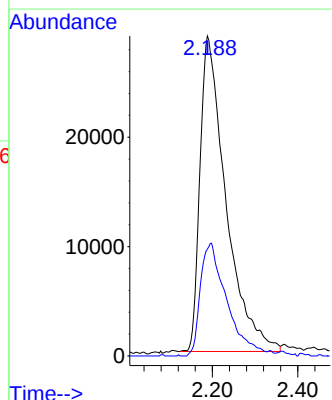
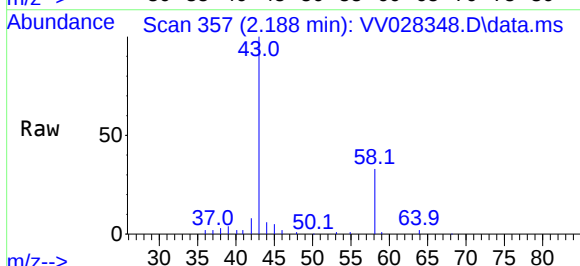
Delta R.T. 0.013 min

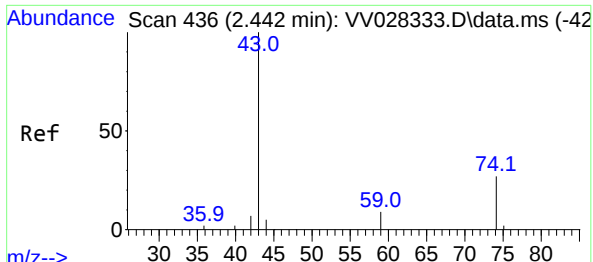
Lab File: VV028348.D

Acq: 05 Oct 2022 00:34

Tgt Ion: 43 Resp: 121457

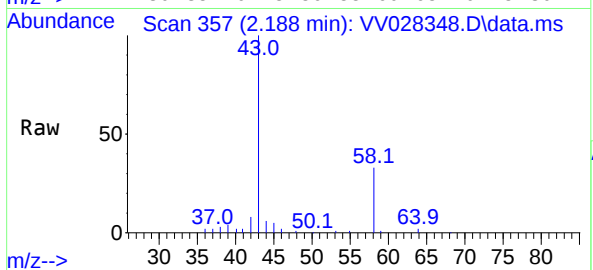
Ion	Ratio	Lower	Upper
43	100		
58	36.3	0.0	65.6



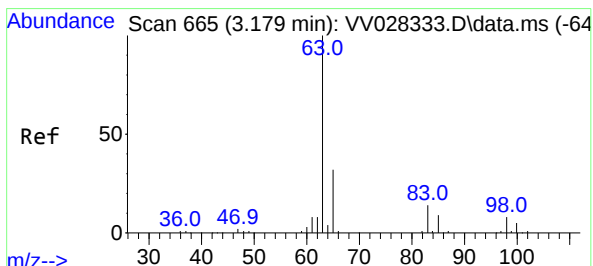
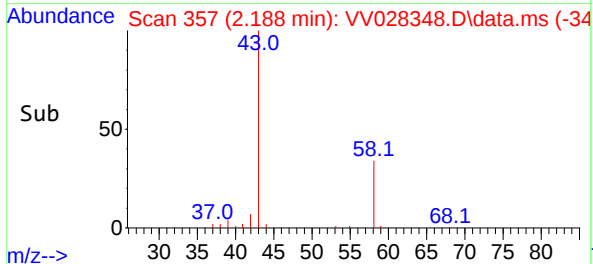
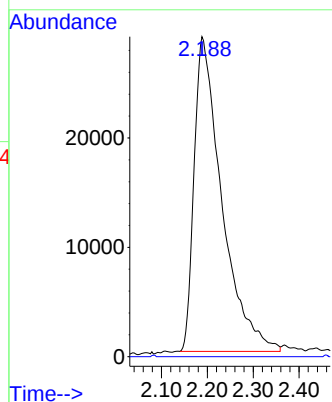


#15
Methyl Acetate
Concen: 31.700 ug/L
RT: 2.188 min Scan# 315
Delta R.T. -0.244 min
Lab File: VV028348.D
Acq: 05 Oct 2022 00:34

Instrument :
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ClientSampleId :

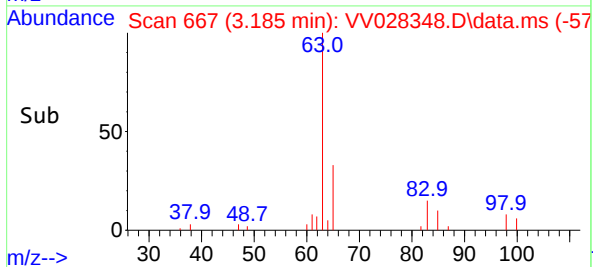
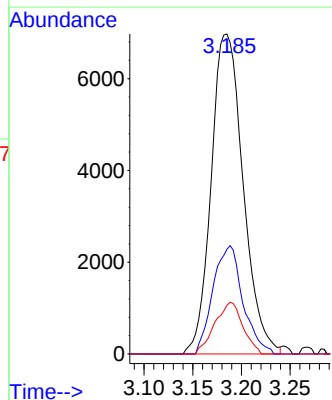
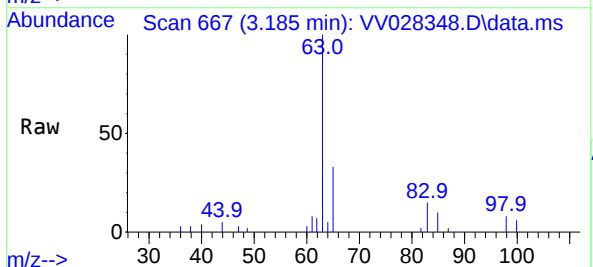


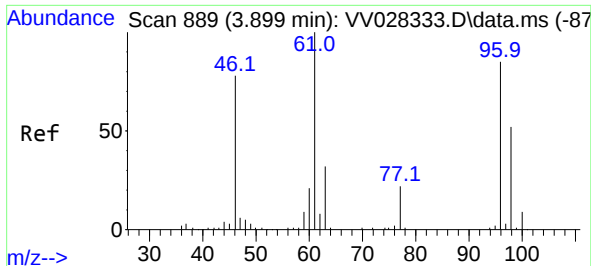
Tgt Ion: 43 Resp: 120508
Ion Ratio Lower Upper
43 100
74 0.1 16.9 25.3#



#19
1,1-Dichloroethane
Concen: 0.748 ug/L
RT: 3.185 min Scan# 667
Delta R.T. 0.003 min
Lab File: VV028348.D
Acq: 05 Oct 2022 00:34

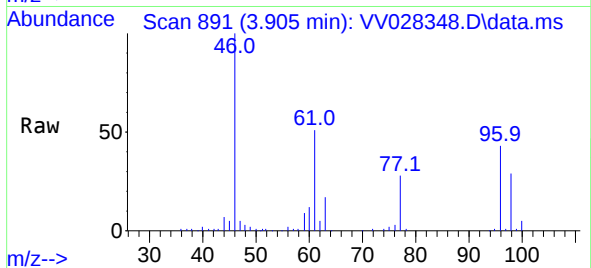
Tgt Ion: 63 Resp: 15925
Ion Ratio Lower Upper
63 100
65 32.7 23.0 42.8
83 15.2 9.2 17.2





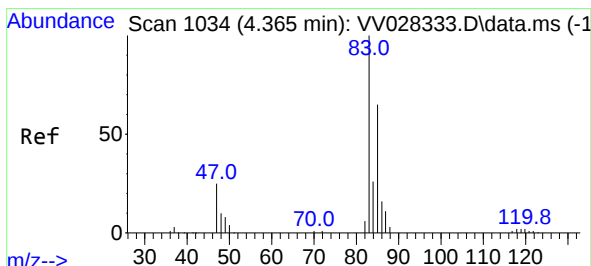
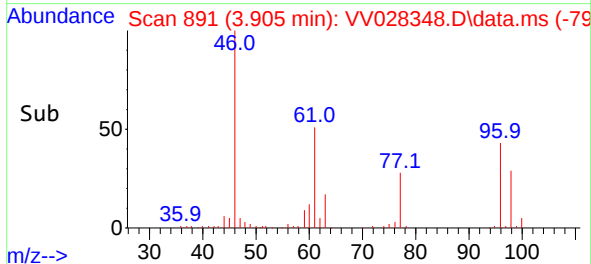
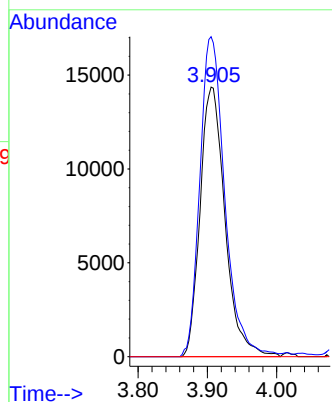
#22
 cis-1,2-Dichloroethene
 Concen: 2.851 ug/L
 RT: 3.905 min Scan# 891
 Delta R.T. 0.000 min
 Lab File: VV028348.D
 Acq: 05 Oct 2022 00:34

Instrument :
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Tgt Ion: 96 Resp: 35885

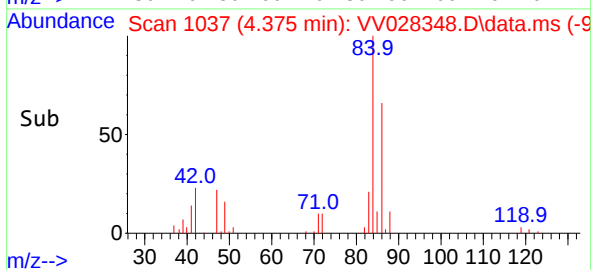
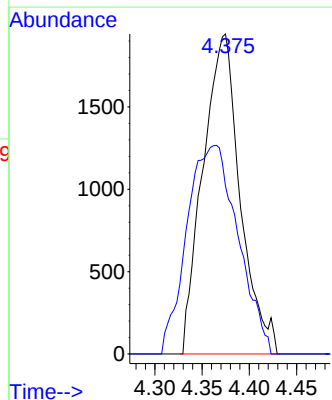
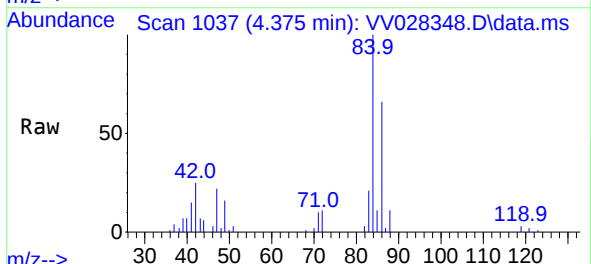
Ion	Ratio	Lower	Upper
96	100		
61	118.7	87.2	161.9
68	0.0	0.0	0.0

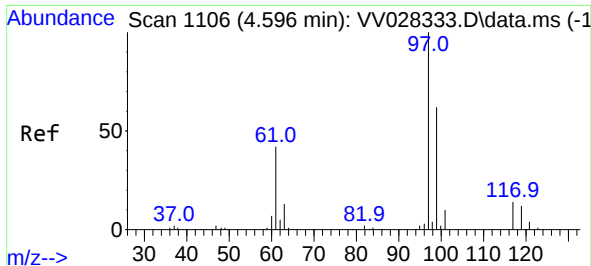


#25
 Chloroform
 Concen: 0.228 ug/L
 RT: 4.375 min Scan# 1037
 Delta R.T. 0.007 min
 Lab File: VV028348.D
 Acq: 05 Oct 2022 00:34

Tgt Ion: 83 Resp: 5320

Ion	Ratio	Lower	Upper
83	100		
85	52.4	45.1	83.7





#29

1,1,1-Trichloroethane

Concen: 0.033 ug/L

RT: 4.600 min Scan# 1106

Delta R.T. 0.000 min

Lab File: VV028348.D

Acq: 05 Oct 2022 00:34

Instrument :

MSVOA_V

ClientSampleId :

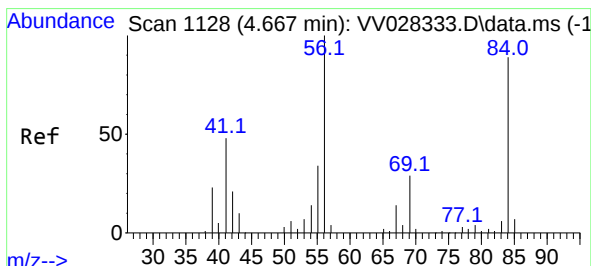
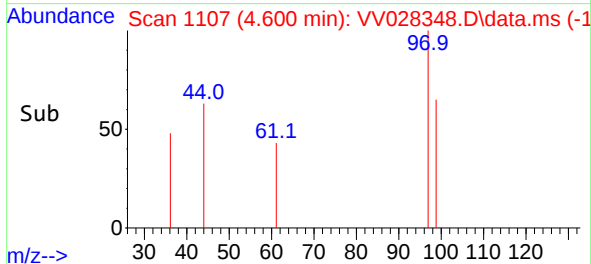
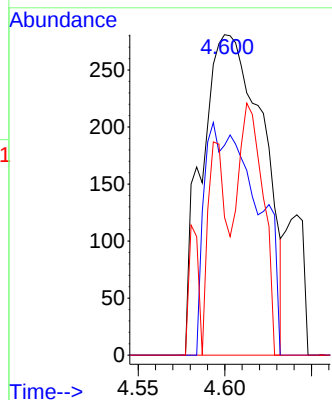
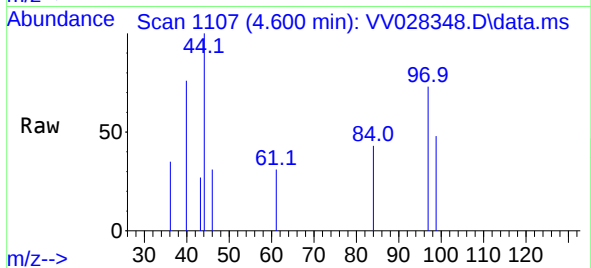
Tgt Ion: 97 Resp: 691

Ion Ratio Lower Upper

97 100

99 24.6 51.9 77.9#

61 20.3 34.8 52.2#



#30

Cyclohexane

Concen: 0.114 ug/L

RT: 4.661 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VV028348.D

Acq: 05 Oct 2022 00:34

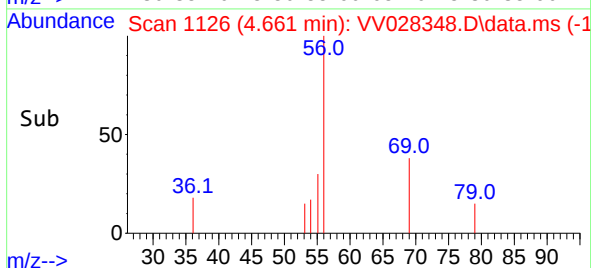
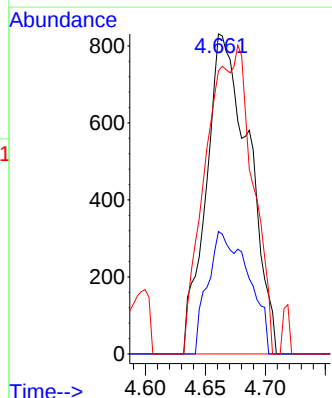
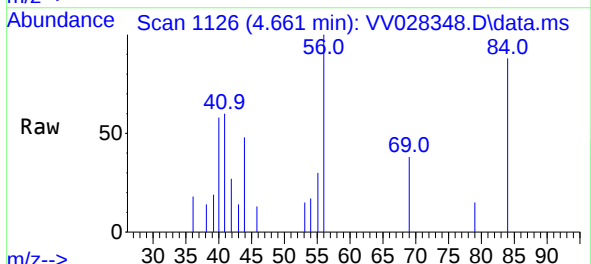
Tgt Ion: 56 Resp: 2064

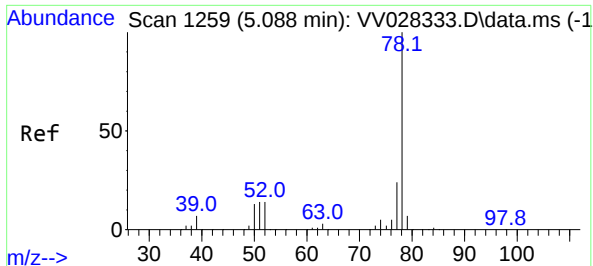
Ion Ratio Lower Upper

56 100

69 36.3 23.7 35.5#

84 57.8 67.3 100.9#

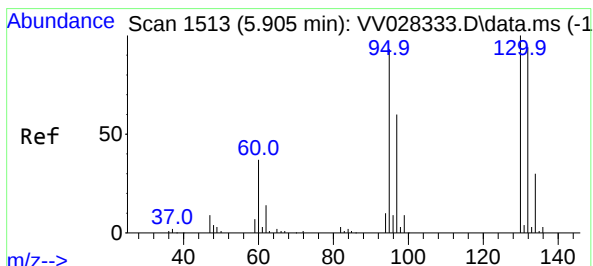
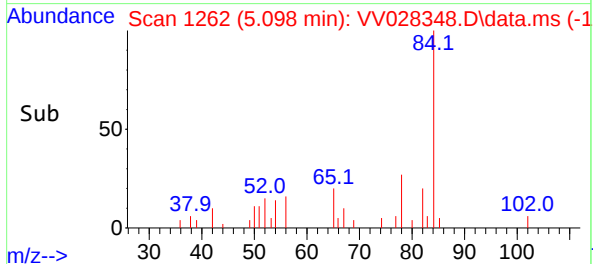
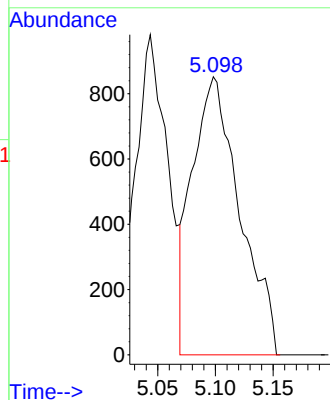
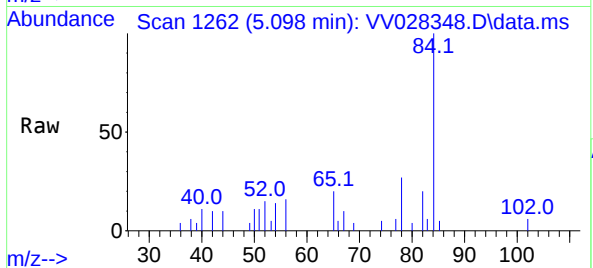




#33
Benzene
Concen: 0.048 ug/L
RT: 5.098 min Scan# 11
Delta R.T. 0.007 min
Lab File: VV028348.D
Acq: 05 Oct 2022 00:34

Instrument :
MSVOA_V
ClientSampleId :

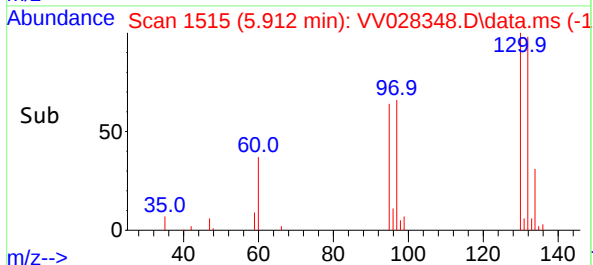
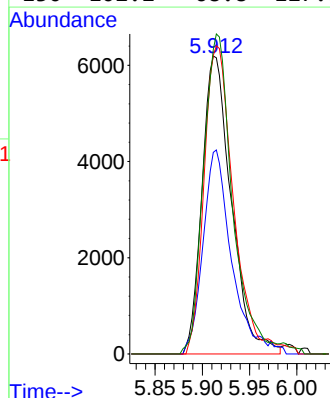
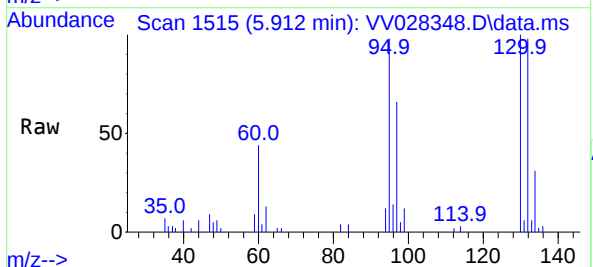
Tgt Ion: 78 Resp: 2442

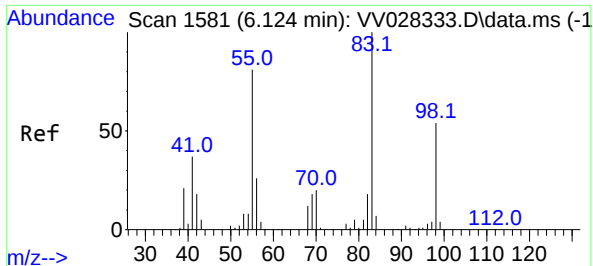


#34
Trichloroethene
Concen: 1.051 ug/L
RT: 5.912 min Scan# 1515
Delta R.T. 0.003 min
Lab File: VV028348.D
Acq: 05 Oct 2022 00:34

Tgt Ion: 95 Resp: 13341

Ion	Ratio	Lower	Upper
95	100		
97	67.7	44.2	82.0
132	100.2	67.8	126.0
130	102.2	68.8	127.8





#35

Methylcyclohexane

Concen: 0.989 ug/L

RT: 6.066 min Scan# 1

Delta R.T. -0.058 min

Lab File: VV028348.D

Acq: 05 Oct 2022 00:34

Instrument :

MSVOA_V

ClientSampleId :

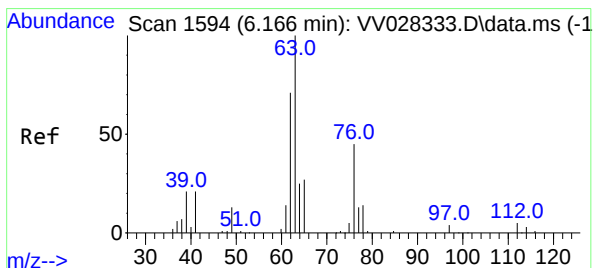
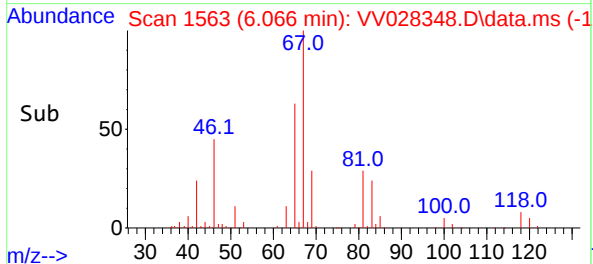
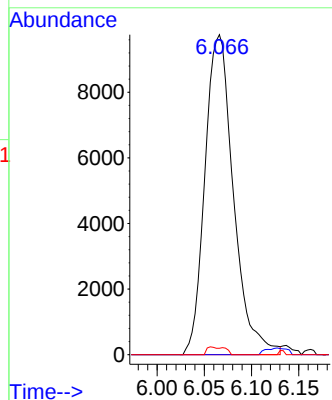
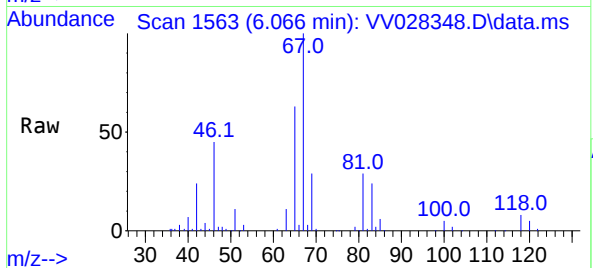
Tgt Ion: 83 Resp: 20483

Ion Ratio Lower Upper

83 100

55 0.0 64.7 97.1#

98 1.5 39.5 59.3#



#37

1,2-Dichloropropane

Concen: 0.156 ug/L

RT: 6.172 min Scan# 1596

Delta R.T. 0.003 min

Lab File: VV028348.D

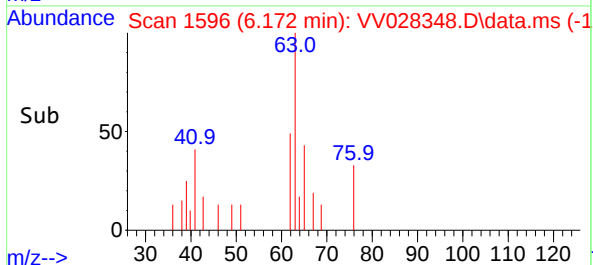
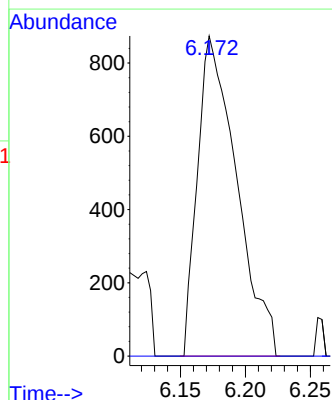
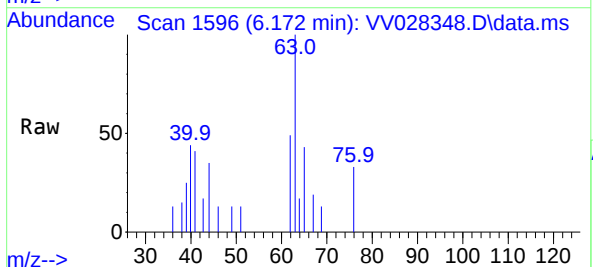
Acq: 05 Oct 2022 00:34

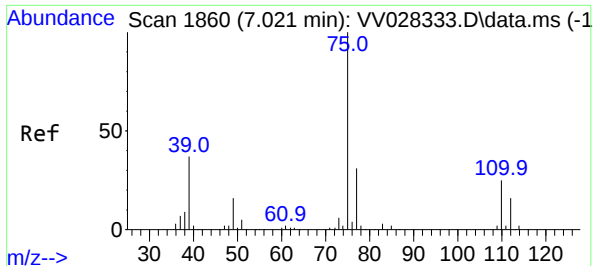
Tgt Ion: 63 Resp: 1828

Ion Ratio Lower Upper

63 100

112 0.0 3.5 5.3#





#39

cis-1,3-Dichloropropene

Concen: 0.087 ug/L

RT: 6.986 min Scan# 11

Delta R.T. -0.038 min

Lab File: VV028348.D

Acq: 05 Oct 2022 00:34

Instrument :

MSVOA_V

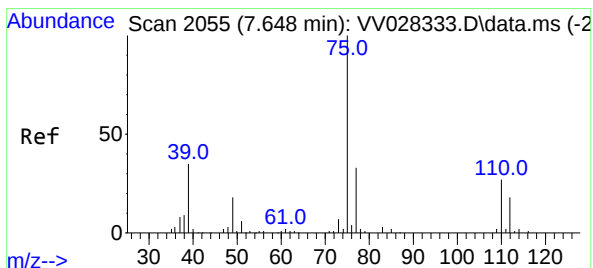
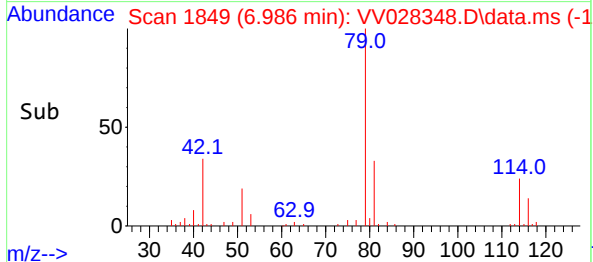
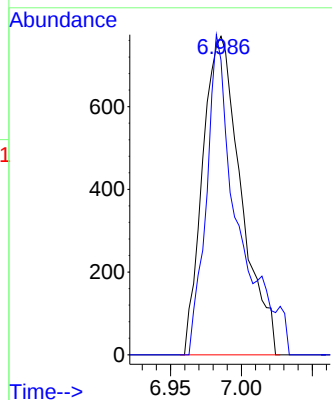
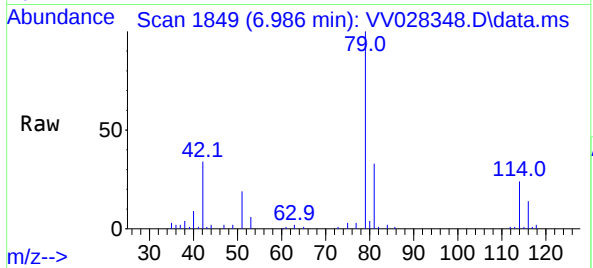
ClientSampleId :

Tgt Ion: 75 Resp: 1450

Ion Ratio Lower Upper

75 100

77 92.5 22.4 41.6#



#44

trans-1,3-Dichloropropene

Concen: 0.076 ug/L

RT: 7.622 min Scan# 2047

Delta R.T. -0.026 min

Lab File: VV028348.D

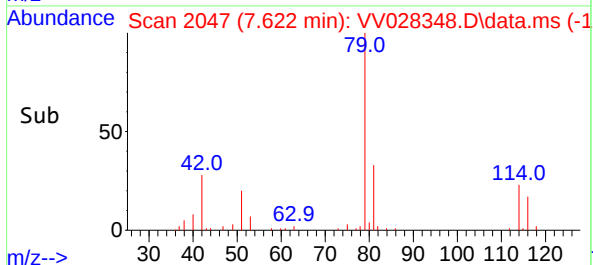
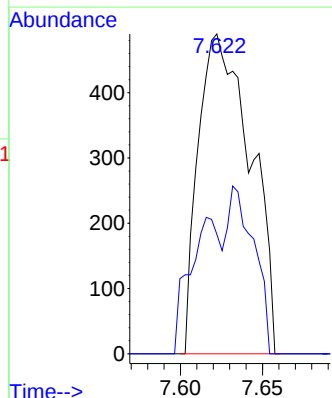
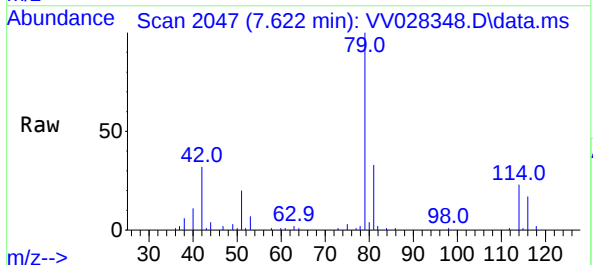
Acq: 05 Oct 2022 00:34

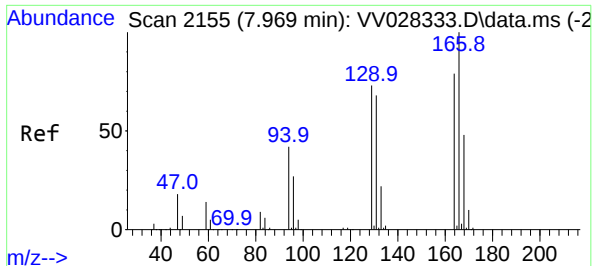
Tgt Ion: 75 Resp: 1079

Ion Ratio Lower Upper

75 100

77 37.3 23.9 44.3





#47

Tetrachloroethene

Concen: 0.956 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. 0.004 min

Lab File: VV028348.D

Acq: 05 Oct 2022 00:34

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:164 Resp: 10603

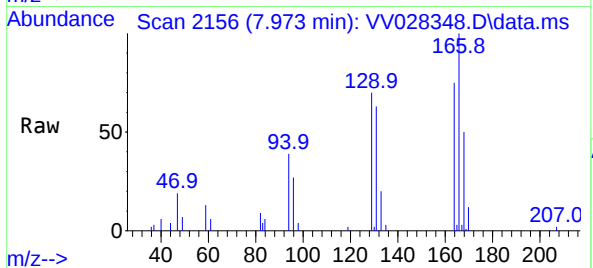
Ion Ratio Lower Upper

164 100

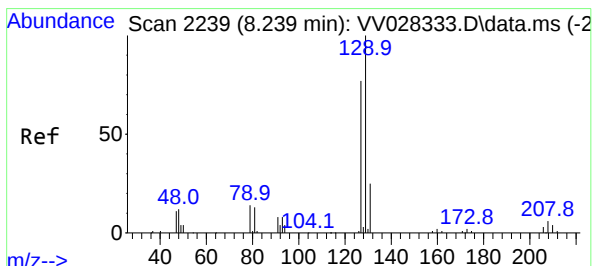
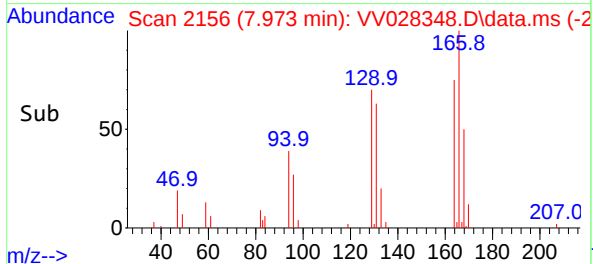
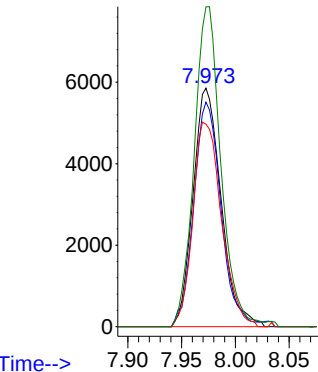
129 94.1 66.7 123.9

131 84.9 61.7 114.5

166 134.1 90.9 168.9



Abundance



#49

Dibromochloromethane

Concen: 0.818 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. -0.270 min

Lab File: VV028348.D

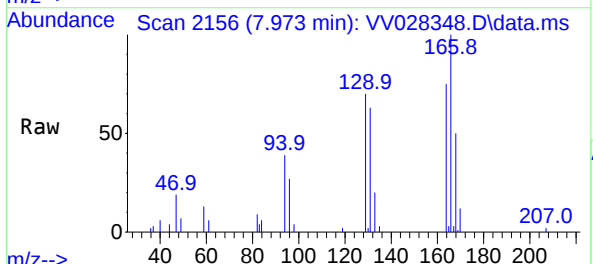
Acq: 05 Oct 2022 00:34

Tgt Ion:129 Resp: 9012

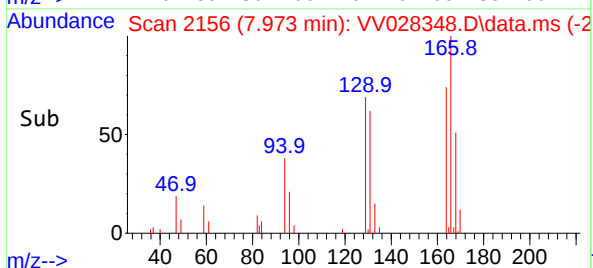
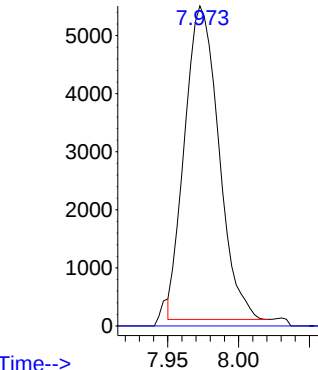
Ion Ratio Lower Upper

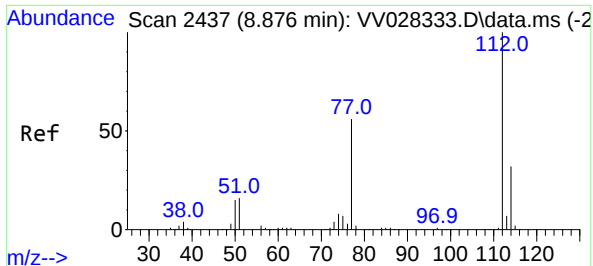
129 100

127 0.0 54.3 100.9#



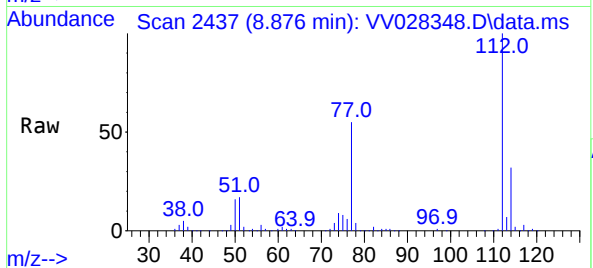
Abundance



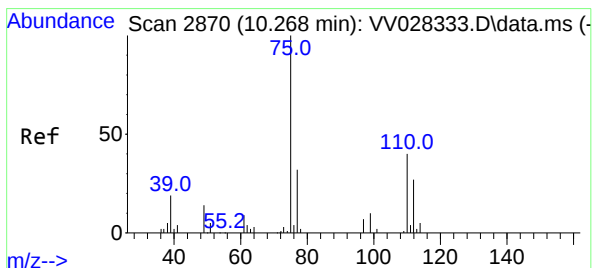
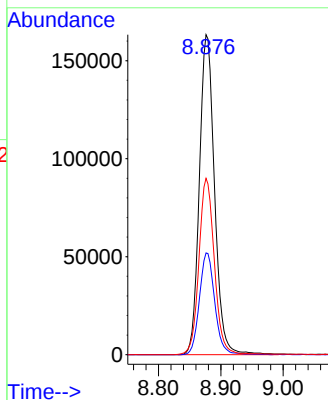
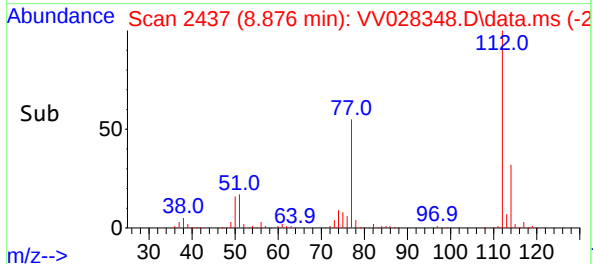


#51
Chlorobenzene
Concen: 7.796 ug/L
RT: 8.876 min Scan# 2437
Delta R.T. -0.003 min
Lab File: VV028348.D
Acq: 05 Oct 2022 00:34

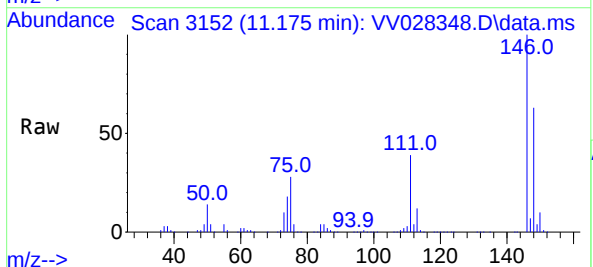
Instrument :
MSVOA_V
ClientSampleId :



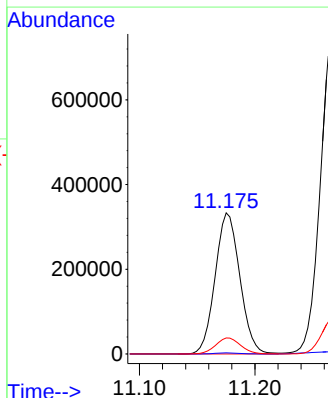
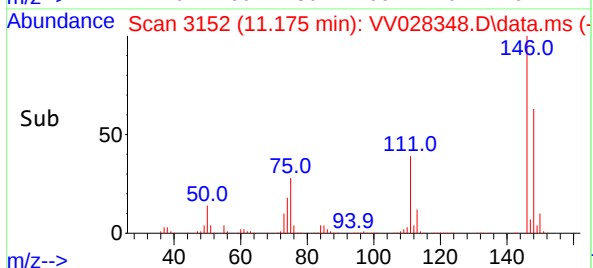
Tgt Ion:112 Resp: 276476
Ion Ratio Lower Upper
112 100
114 31.8 22.5 41.7
77 55.1 46.1 69.1

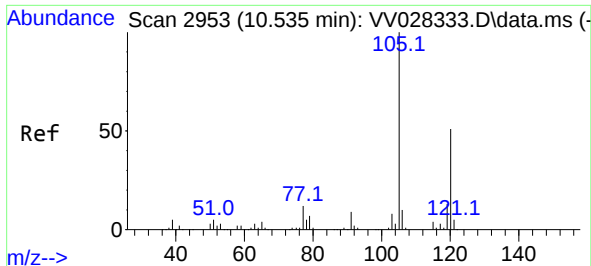


#61
1,2,3-Trichloropropane
Concen: 63.643 ug/L
RT: 11.175 min Scan# 3152
Delta R.T. 0.904 min
Lab File: VV028348.D
Acq: 05 Oct 2022 00:34



Tgt Ion: 75 Resp: 494612
Ion Ratio Lower Upper
75 100
77 0.0 26.7 40.1#
110 11.4 30.1 45.1#

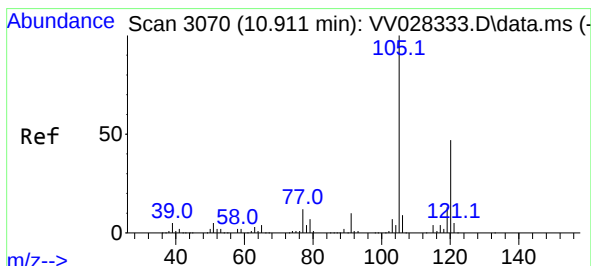
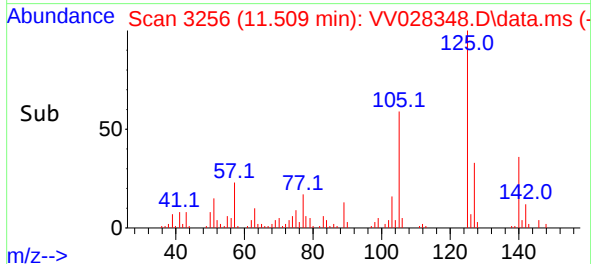
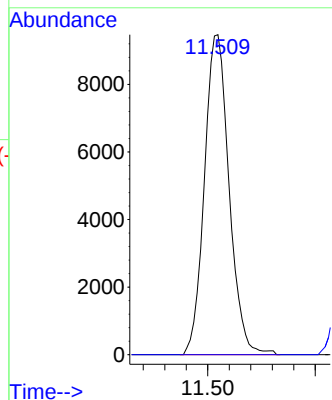
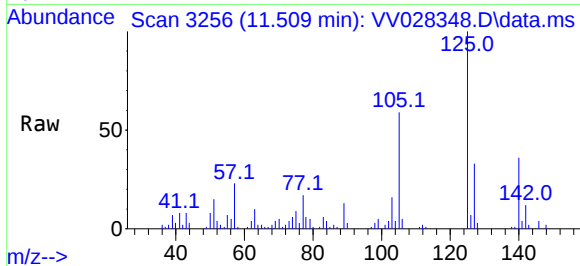




#62
1,3,5-Trimethylbenzene
Concen: 0.860 ug/L
RT: 11.509 min Scan# 31
Delta R.T. 0.974 min
Lab File: VV028348.D
Acq: 05 Oct 2022 00:34

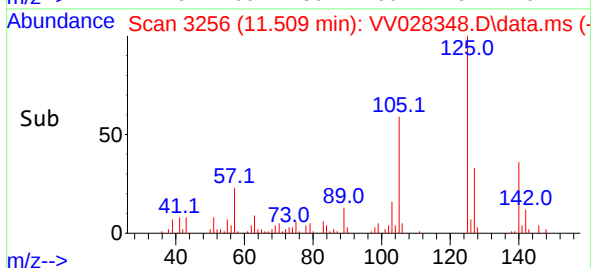
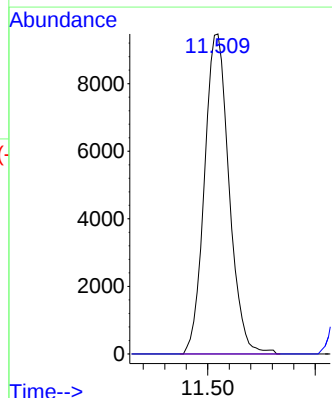
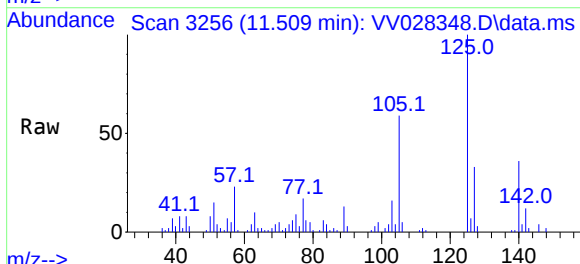
Instrument :
MSVOA_V
ClientSampleId :

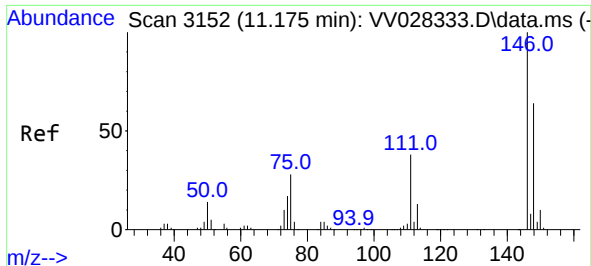
Tgt Ion:105 Resp: 15070
Ion Ratio Lower Upper
105 100
120 99.1 40.6 61.0#



#63
1,2,4-Trimethylbenzene
Concen: 0.304 ug/L
RT: 11.509 min Scan# 3256
Delta R.T. 0.598 min
Lab File: VV028348.D
Acq: 05 Oct 2022 00:34

Tgt Ion:105 Resp: 15070
Ion Ratio Lower Upper
105 100
120 99.1 37.8 56.8#

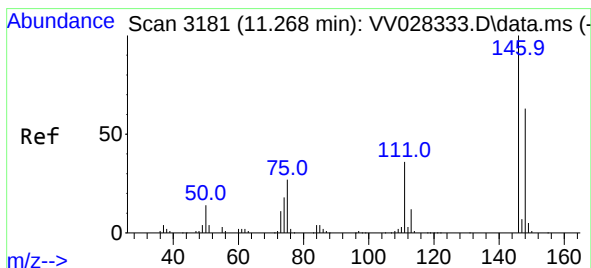
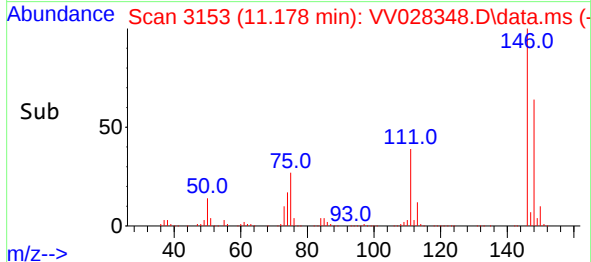
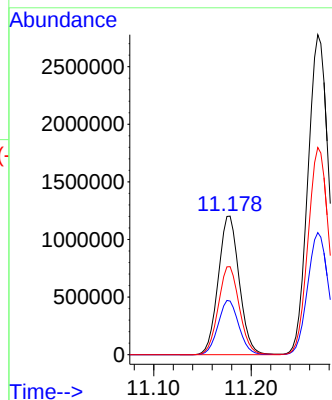
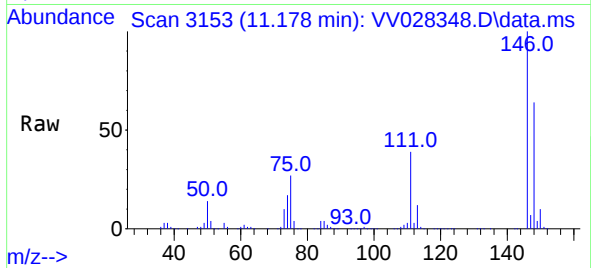




#64
1,3-Dichlorobenzene
Concen: 59.431 ug/L
RT: 11.178 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VV028348.D
Acq: 05 Oct 2022 00:34

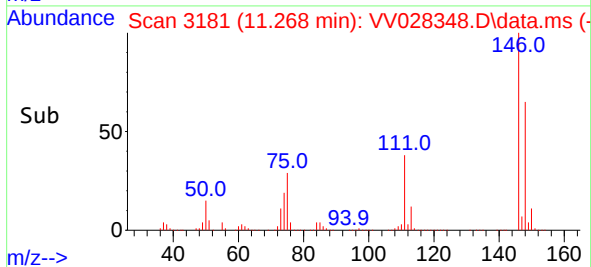
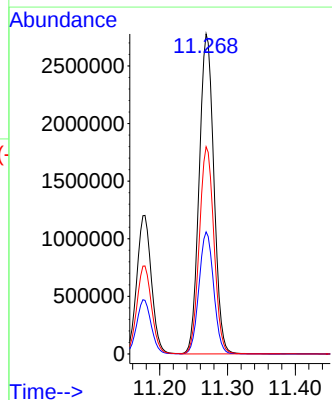
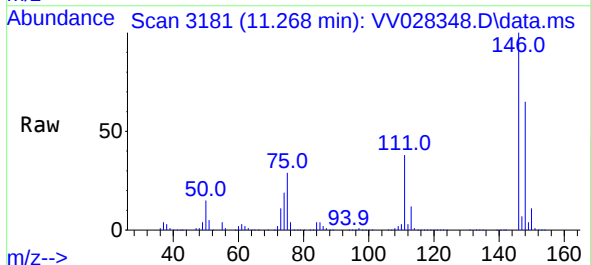
Instrument :
MSVOA_V
ClientSampleId :

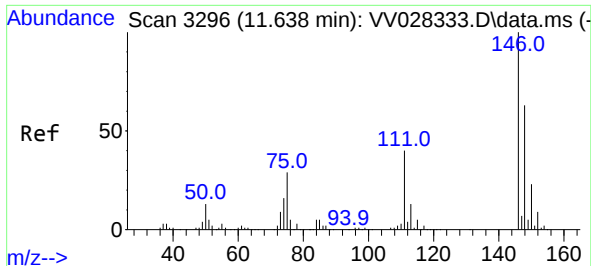
Tgt Ion:146 Resp: 1799395
Ion Ratio Lower Upper
146 100
111 38.7 27.1 50.3
148 63.5 45.7 84.9



#65
1,4-Dichlorobenzene
Concen: 137.705 ug/L
RT: 11.268 min Scan# 3181
Delta R.T. 0.000 min
Lab File: VV028348.D
Acq: 05 Oct 2022 00:34

Tgt Ion:146 Resp: 4174735
Ion Ratio Lower Upper
146 100
111 38.2 26.2 48.8
148 64.7 45.8 85.2





#67

1,2-Dichlorobenzene

Concen: 226.934 ug/L

RT: 11.641 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV028348.D

Acq: 05 Oct 2022 00:34

Instrument :

MSVOA_V

ClientSampleId :

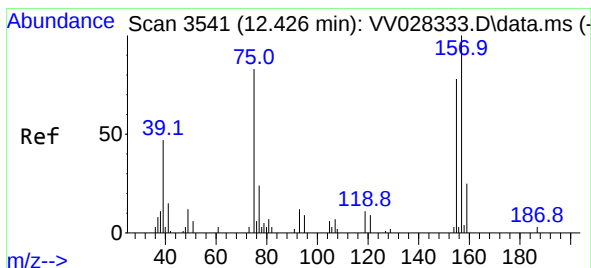
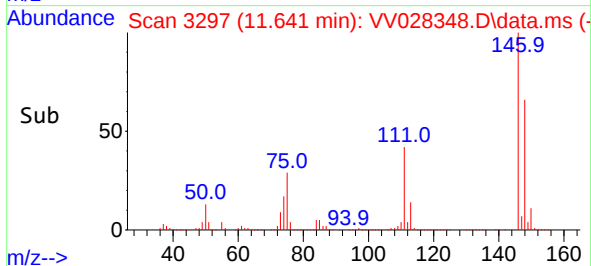
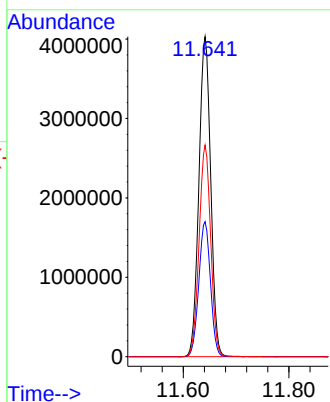
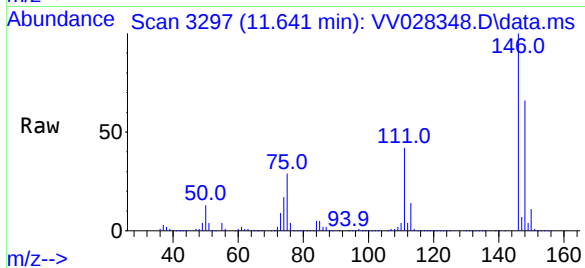
Tgt Ion:146 Resp: 6231569

Ion Ratio Lower Upper

146 100

111 42.2 32.6 49.0

148 66.1 50.1 75.1



#68

1,2-Dibromo-3-chloropropane

Concen: 0.539 ug/L

RT: 12.397 min Scan# 3532

Delta R.T. -0.029 min

Lab File: VV028348.D

Acq: 05 Oct 2022 00:34

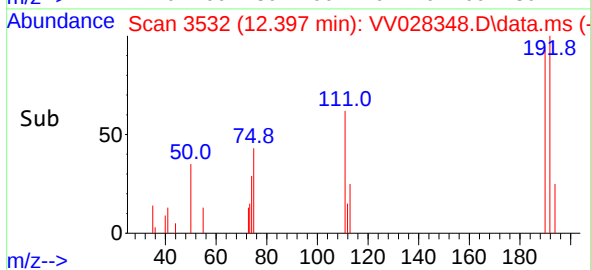
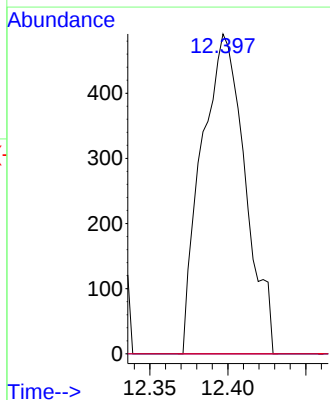
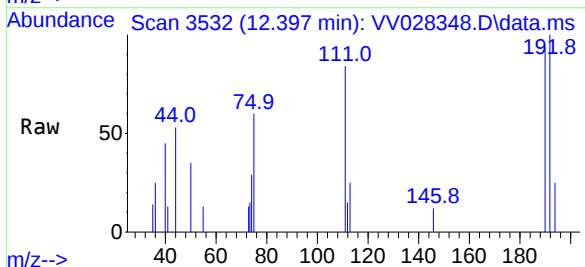
Tgt Ion: 75 Resp: 954

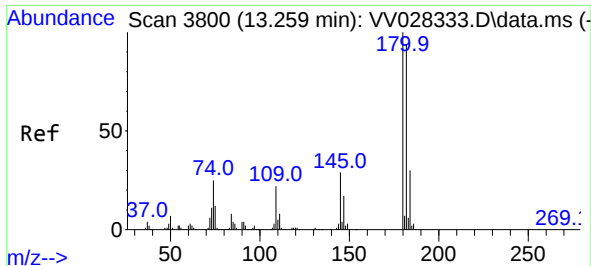
Ion Ratio Lower Upper

75 100

155 0.0 73.6 110.4#

157 0.0 90.7 136.1#

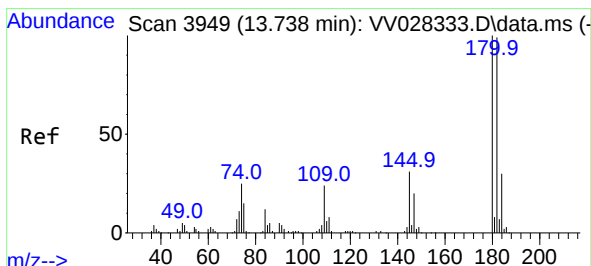
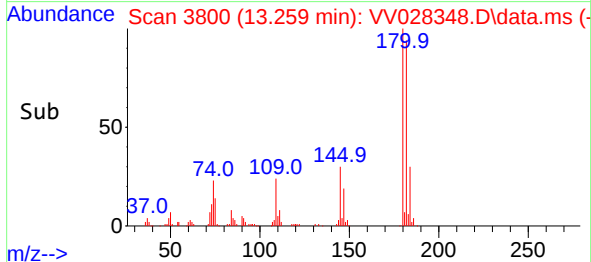
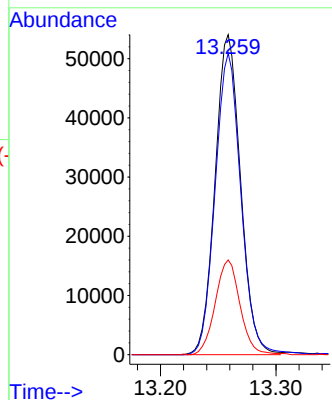
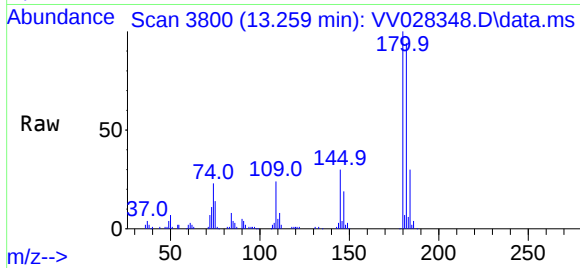




#70
1,2,4-trichlorobenzene
Concen: 4.539 ug/L
RT: 13.259 min Scan# 3800
Delta R.T. 0.000 min
Lab File: VV028348.D
Acq: 05 Oct 2022 00:34

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:180 Resp: 82831
Ion Ratio Lower Upper
180 100
182 95.1 76.3 114.5
145 28.8 22.9 34.3



#72
1,2,3-Trichlorobenzene
Concen: 2.898 ug/L
RT: 13.741 min Scan# 3950
Delta R.T. 0.000 min
Lab File: VV028348.D
Acq: 05 Oct 2022 00:34

Tgt Ion:180 Resp: 47684
Ion Ratio Lower Upper
180 100
182 97.2 77.4 116.0
145 31.8 24.6 36.8

