

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW090622\
 Data File : VW027752.D
 Acq On : 06 Sep 2022 19:40
 Operator : SY/MD
 Sample : N4404-14
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DBVC5

Quant Time: Sep 07 06:29:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR090622WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 07 06:13:02 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.600	114	180645	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.863	117	136161	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	62130	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.298	65	51230	4.302	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.000%
7) Chloroethane-d5	1.564	69	44501	4.405	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.200%
11) 1,1-Dichloroethene-d2	2.111	63	83718	3.313	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.200%
20) 2-Butanone-d5	3.966	46	122056	46.252	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.500%
24) Chloroform-d	4.362	84	104321	4.279	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.600%
26) 1,2-Dichloroethane-d4	5.037	65	64766	4.988	ug/L	0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.800%
32) Benzene-d6	5.043	84	217686	5.511	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.200%
36) 1,2-Dichloropropane-d6	6.069	67	54306	4.696	ug/L	0.02
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.000%
41) Toluene-d8	7.339	98	145769	4.388	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.800%
43) trans-1,3-Dichloroprop...	7.648	79	17812	4.591	ug/L	0.01
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.800%
46) 2-Hexanone-d5	8.120	63	69954	48.504	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.000%
56) 1,1,2,2-Tetrachloroeth...	10.220	84	37777	5.087	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.800%
66) 1,2-Dichlorobenzene-d4	11.625	152	54401	5.330	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.230	50	866	0.054	ug/L #	53
5) Vinyl chloride	1.301	62	7650	0.470	ug/L	86
6) Bromomethane	1.513	94	569	0.065	ug/L #	52
12) 1,1-Dichloroethene	2.121	96	4396	0.367	ug/L #	1
14) Carbon disulfide	2.294	76	7902	0.222	ug/L	95
18) trans-1,2-Dichloroethene	2.757	96	446	0.035	ug/L #	59
22) cis-1,2-Dichloroethene	3.915	96	28565	2.073	ug/L #	96
25) Chloroform	4.388	83	28660	1.089	ug/L	99
34) Trichloroethene	5.899	95	21006	1.866	ug/L	98
35) Methylcyclohexane	6.072	83	14420	0.834	ug/L #	18
37) 1,2-Dichloropropane	6.072	63	6860	0.643	ug/L #	85
39) cis-1,3-Dichloropropene	7.021	75	1093	0.081	ug/L #	1
44) trans-1,3-Dichloropropene	7.648	75	826	0.073	ug/L #	76
45) 1,1,2-Trichloroethane	7.866	97	2506	0.362	ug/L	93
47) Tetrachloroethene	7.992	164	45884	5.080	ug/L	96
49) Dibromochloromethane	7.992	129	42422	4.833	ug/L #	10
50) 1,2-Dibromoethane	8.329	107	722	0.115	ug/L #	1
53) m,p-Xylene	9.156	106	2831	0.159	ug/L	83
59) Bromoform	9.741	173	6180	1.643	ug/L	96

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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 07 06:13:02 2022
 Response via : Initial Calibration

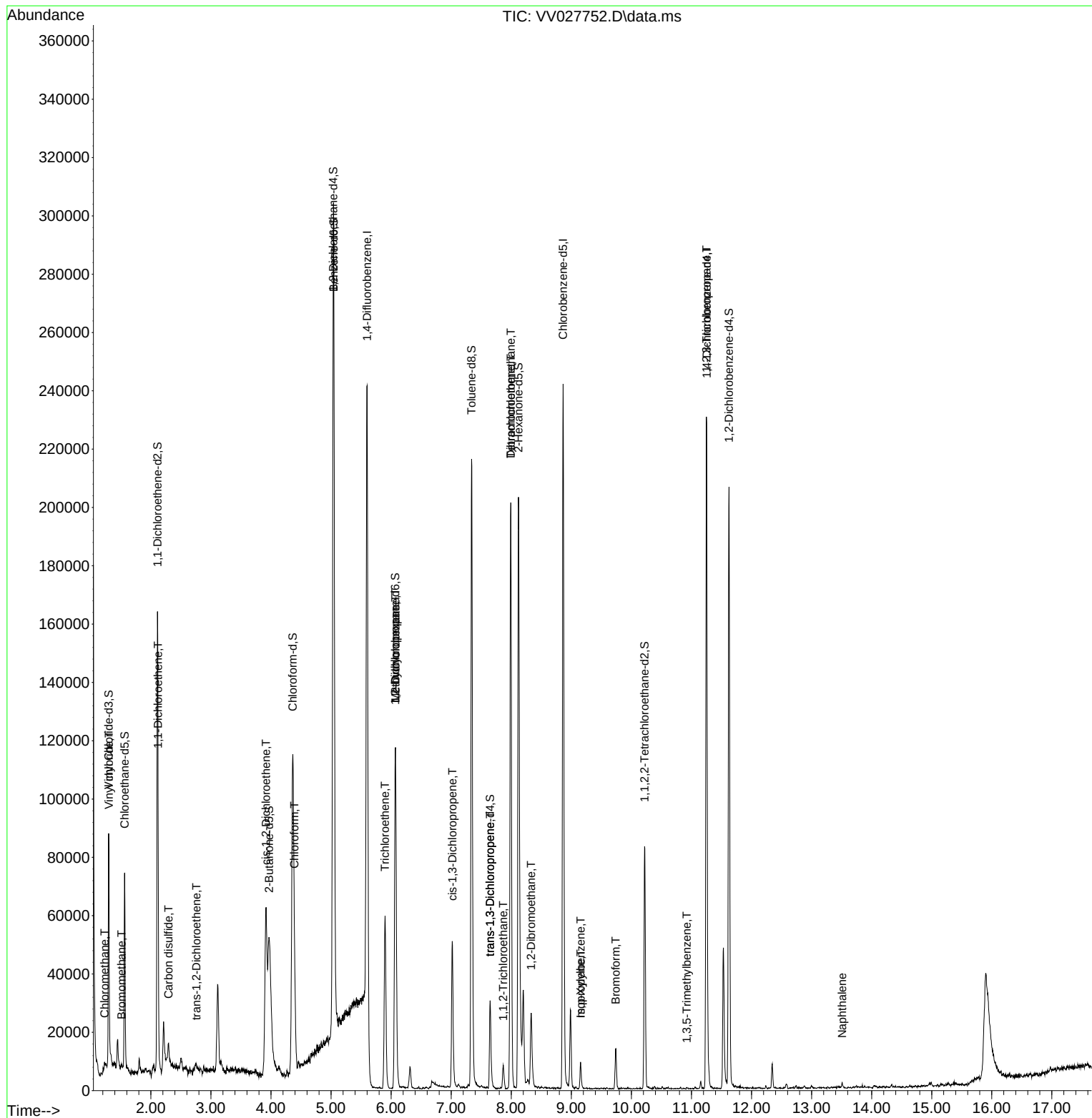
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) Isopropylbenzene	9.156	105	1454	0.037	ug/L #	38
61) 1,2,3-Trichloropropane	11.249	75	6236	1.267	ug/L #	60
62) 1,3,5-Trimethylbenzene	10.921	105	339	0.031	ug/L #	71
71) Naphthalene	13.509	128	1606	0.087	ug/L #	89

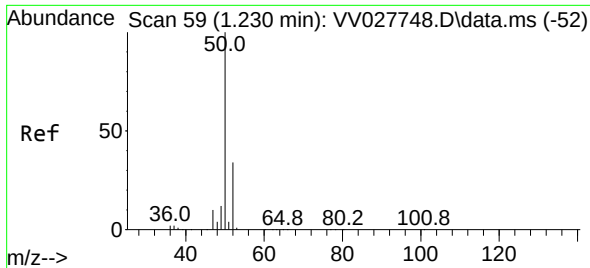
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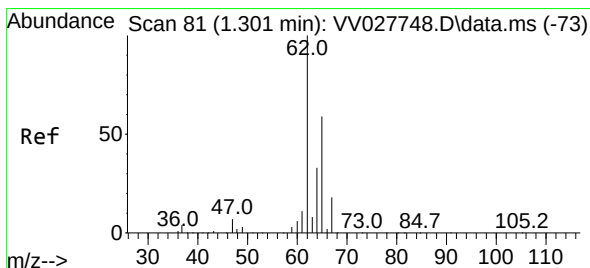
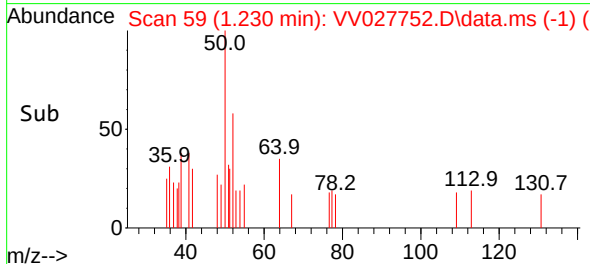
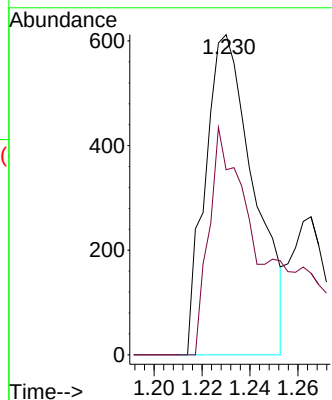
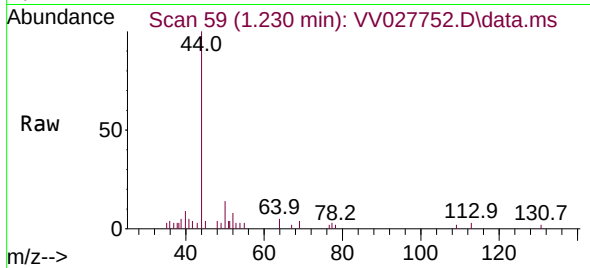




#3
Chloromethane
Concen: 0.054 ug/L
RT: 1.230 min Scan# 59
Delta R.T. 0.000 min
Lab File: VV027752.D
Acq: 06 Sep 2022 19:40

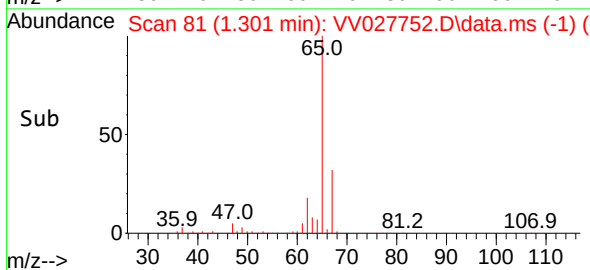
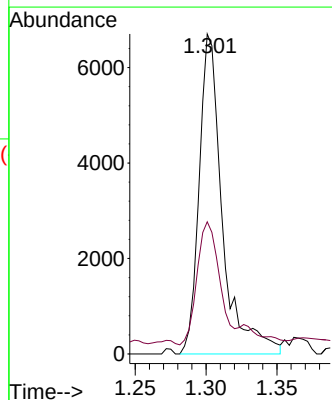
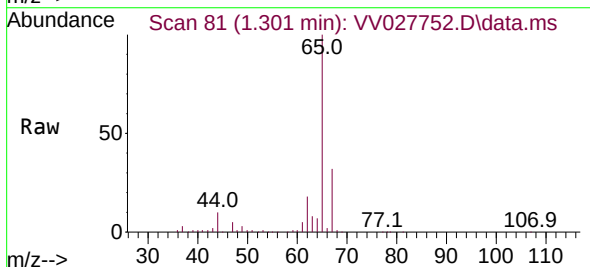
Instrument :
MSVOA_V
ClientSampleId :
DBVC5

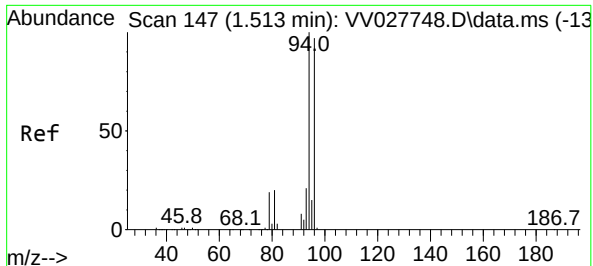
Tgt Ion: 50 Resp: 866
Ion Ratio Lower Upper
50 100
52 57.8 22.1 41.1#



#5
Vinyl chloride
Concen: 0.470 ug/L
RT: 1.301 min Scan# 81
Delta R.T. 0.000 min
Lab File: VV027752.D
Acq: 06 Sep 2022 19:40

Tgt Ion: 62 Resp: 7650
Ion Ratio Lower Upper
62 100
64 41.3 23.2 43.2

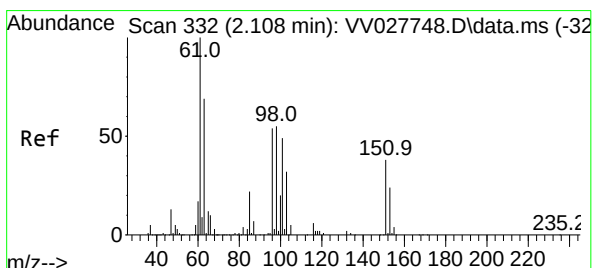
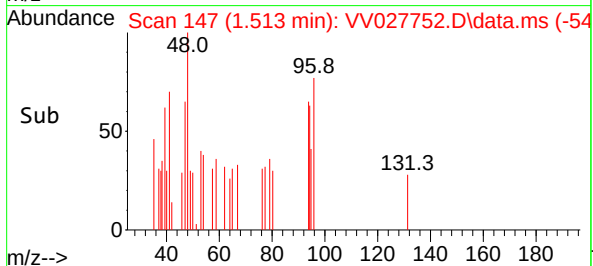
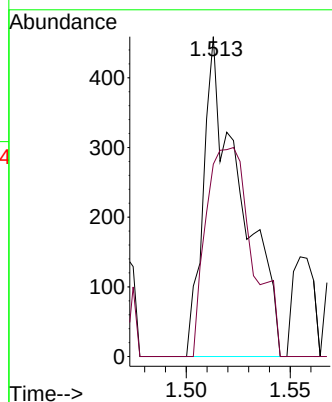
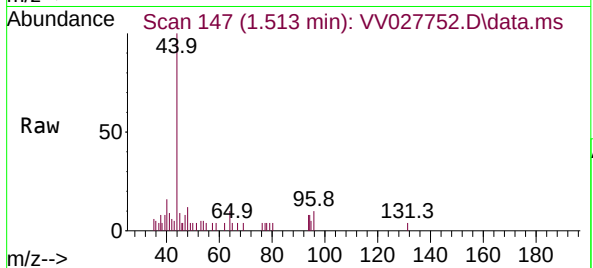




#6
Bromomethane
Concen: 0.065 ug/L
RT: 1.513 min Scan# 147
Delta R.T. 0.000 min
Lab File: VV027752.D
Acq: 06 Sep 2022 19:40

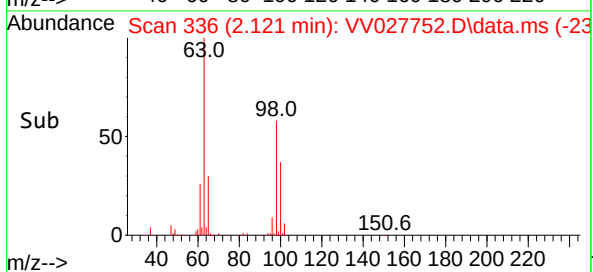
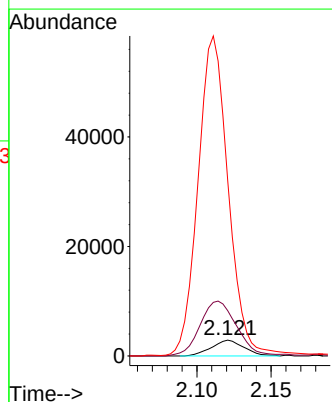
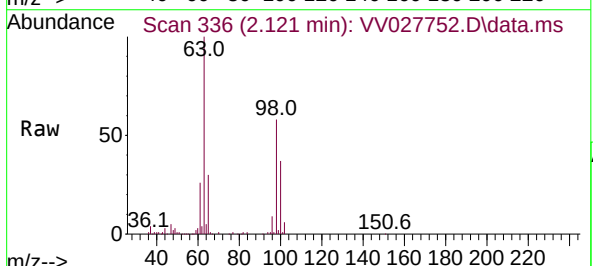
Instrument :
MSVOA_V
ClientSampleId :
DBVC5

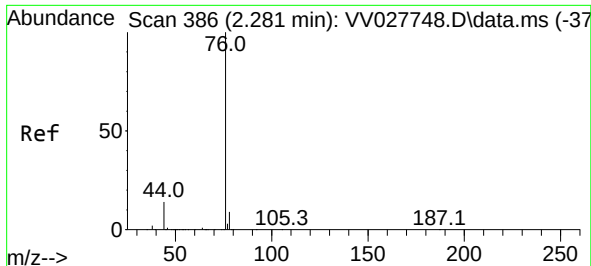
Tgt Ion: 94 Resp: 569
Ion Ratio Lower Upper
94 100
96 45.5 64.2 119.2#



#12
1,1-Dichloroethene
Concen: 0.367 ug/L
RT: 2.121 min Scan# 336
Delta R.T. 0.013 min
Lab File: VV027752.D
Acq: 06 Sep 2022 19:40

Tgt Ion: 96 Resp: 4396
Ion Ratio Lower Upper
96 100
61 287.0 129.9 241.3#
63 1110.4 94.6 175.8#

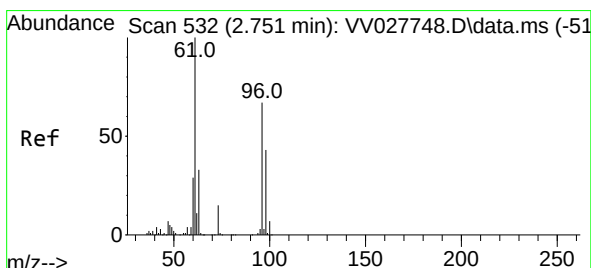
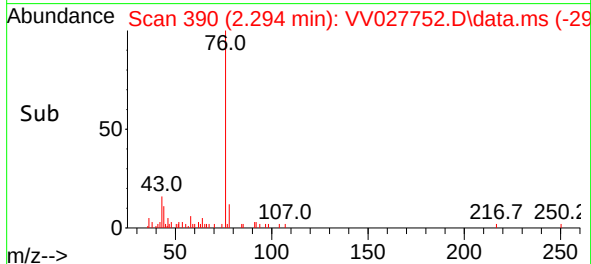
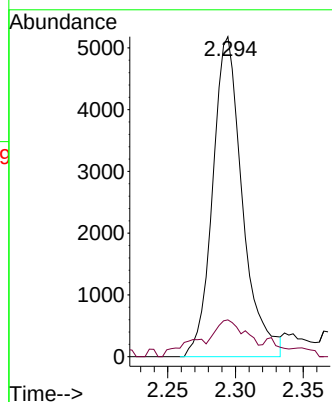
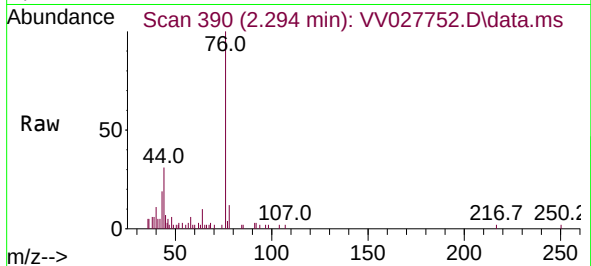




#14
Carbon disulfide
Concen: 0.222 ug/L
RT: 2.294 min Scan# 390
Delta R.T. 0.013 min
Lab File: VV027752.D
Acq: 06 Sep 2022 19:40

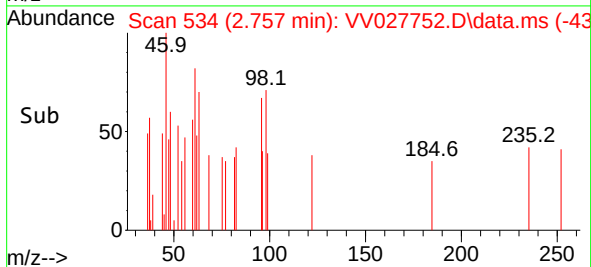
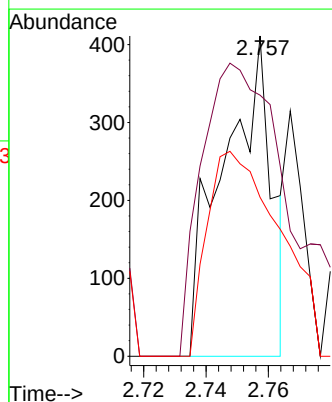
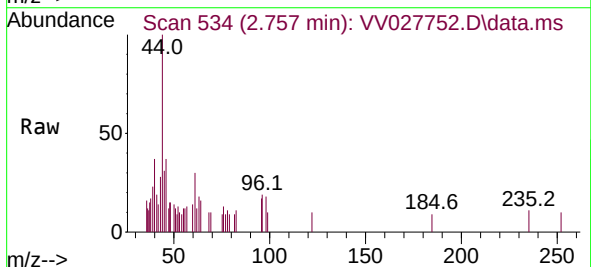
Instrument :
MSVOA_V
ClientSampleId :
DBVC5

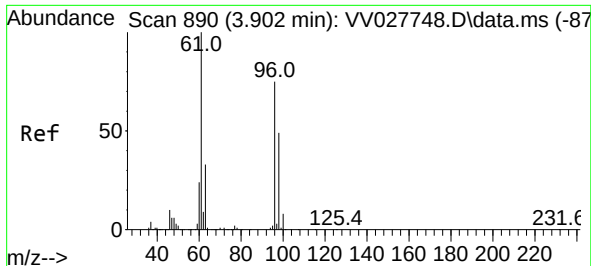
Tgt Ion: 76 Resp: 7902
Ion Ratio Lower Upper
76 100
78 11.5 7.7 11.5



#18
trans-1,2-Dichloroethene
Concen: 0.035 ug/L
RT: 2.757 min Scan# 534
Delta R.T. 0.007 min
Lab File: VV027752.D
Acq: 06 Sep 2022 19:40

Tgt Ion: 96 Resp: 446
Ion Ratio Lower Upper
96 100
61 81.5 102.6 190.5#
98 49.6 44.0 81.8

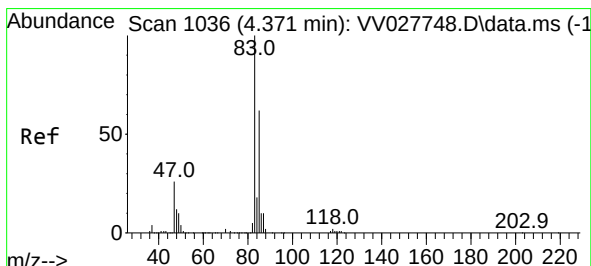
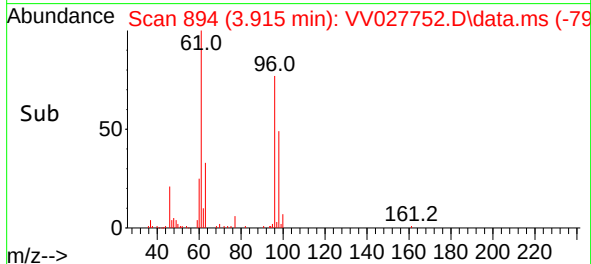
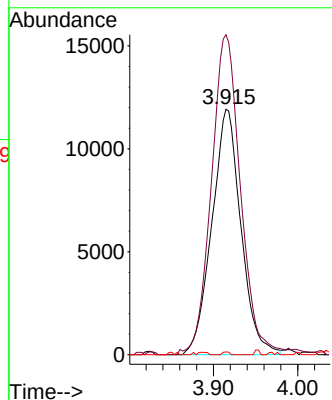
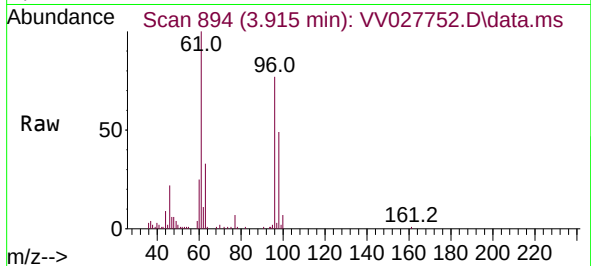




#22
 cis-1,2-Dichloroethene
 Concen: 2.073 ug/L
 RT: 3.915 min Scan# 890
 Delta R.T. 0.013 min
 Lab File: VV027752.D
 Acq: 06 Sep 2022 19:40

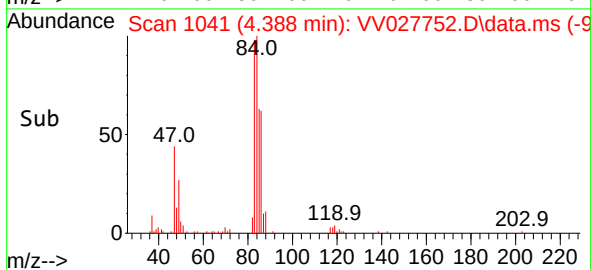
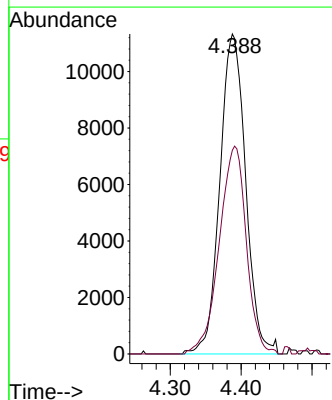
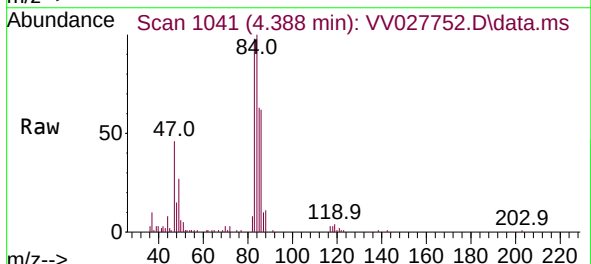
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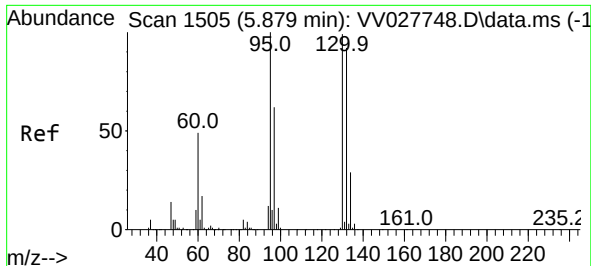
Tgt Ion: 96 Resp: 28565
 Ion Ratio Lower Upper
 96 100
 61 130.4 94.6 175.6
 68 1.1 0.3 0.5#



#25
 Chloroform
 Concen: 1.089 ug/L
 RT: 4.388 min Scan# 1041
 Delta R.T. 0.016 min
 Lab File: VV027752.D
 Acq: 06 Sep 2022 19:40

Tgt Ion: 83 Resp: 28660
 Ion Ratio Lower Upper
 83 100
 85 63.7 45.4 84.2





#34

Trichloroethene

Concen: 1.866 ug/L

RT: 5.899 min Scan# 1

Delta R.T. 0.019 min

Lab File: VV027752.D

Acq: 06 Sep 2022 19:40

Instrument :

MSVOA_V

ClientSampleId :

DBVC5

Tgt Ion: 95 Resp: 21006

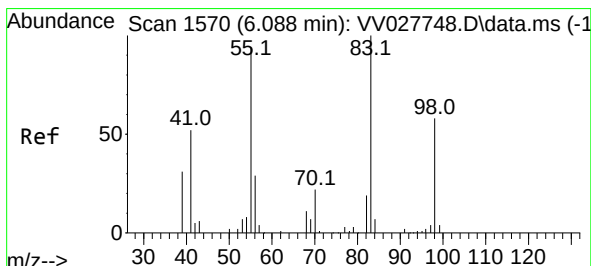
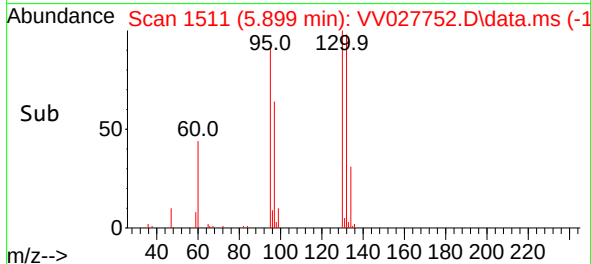
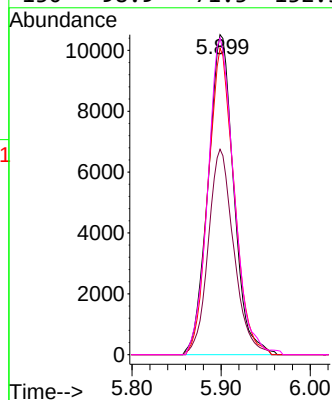
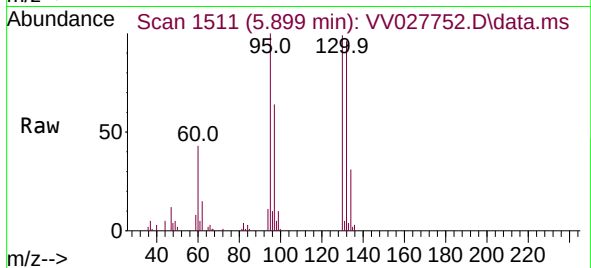
Ion Ratio Lower Upper

95 100

97 64.2 42.9 79.7

132 95.8 67.9 126.1

130 98.9 71.3 132.3



#35

Methylcyclohexane

Concen: 0.834 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.016 min

Lab File: VV027752.D

Acq: 06 Sep 2022 19:40

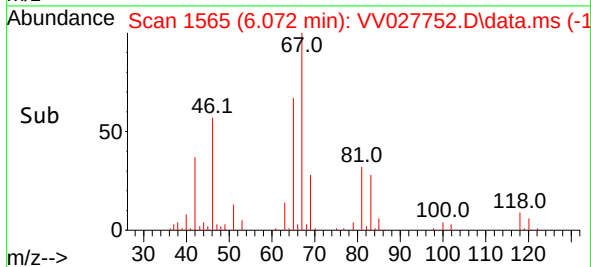
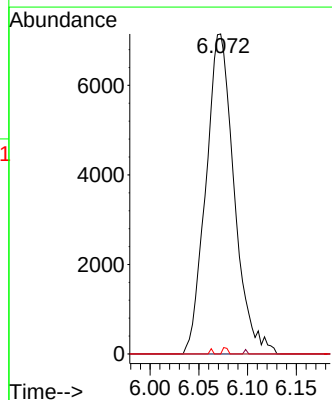
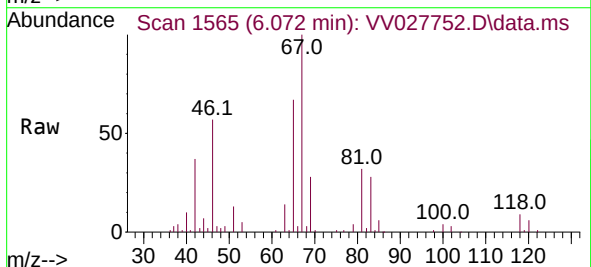
Tgt Ion: 83 Resp: 14420

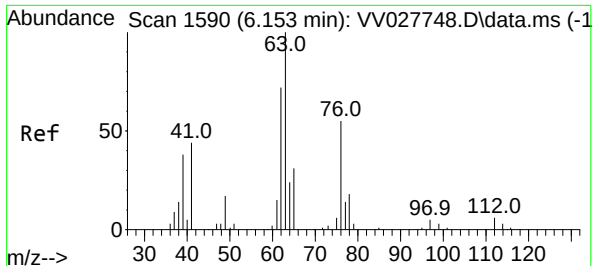
Ion Ratio Lower Upper

83 100

55 0.1 61.9 92.9#

98 0.4 37.5 56.3#





#37

1,2-Dichloropropane

Concen: 0.643 ug/L

RT: 6.072 min Scan# 11

Delta R.T. -0.080 min

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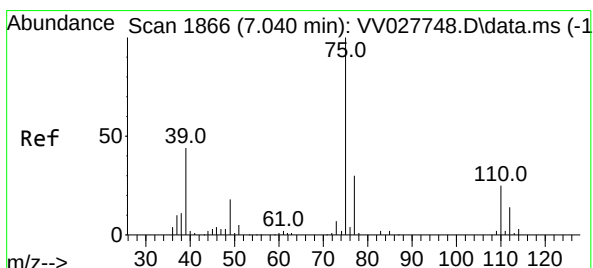
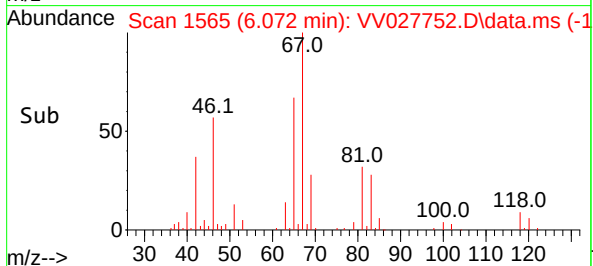
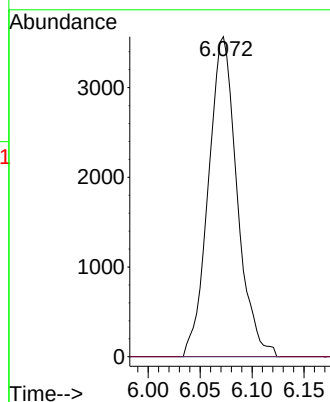
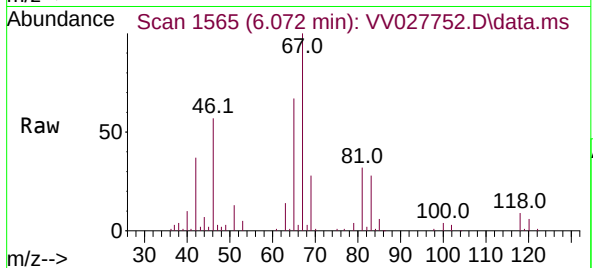
DBVC5

Tgt Ion: 63 Resp: 6860

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#



#39

cis-1,3-Dichloropropene

Concen: 0.081 ug/L

RT: 7.021 min Scan# 1860

Delta R.T. -0.019 min

Lab File: VV027752.D

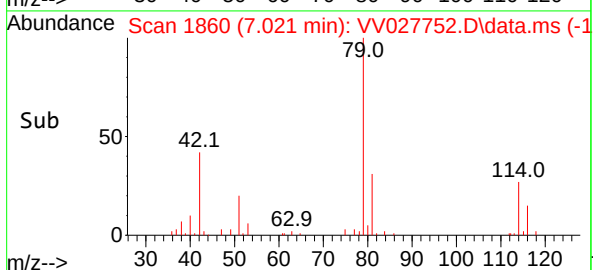
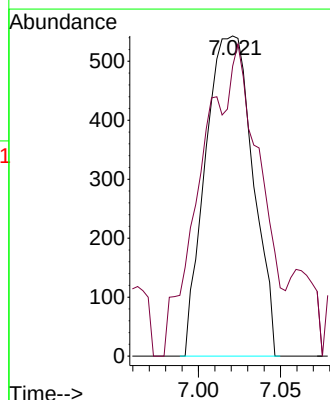
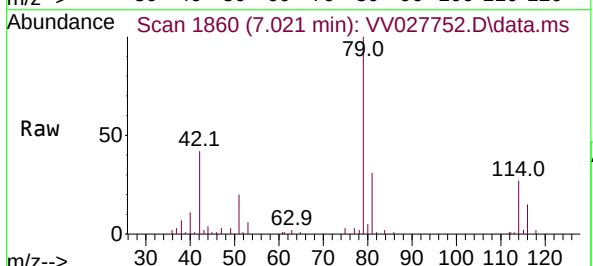
Acq: 06 Sep 2022 19:40

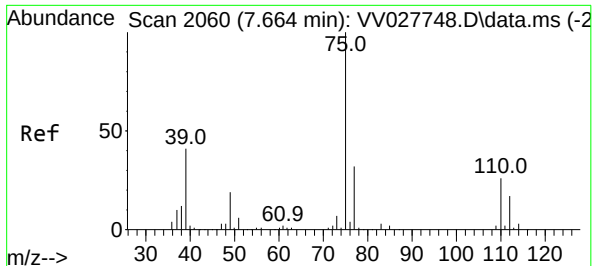
Tgt Ion: 75 Resp: 1093

Ion Ratio Lower Upper

75 100

77 90.6 22.0 40.8#

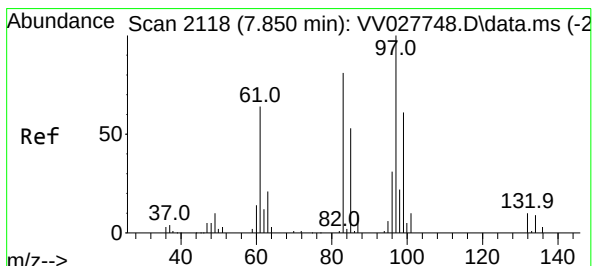
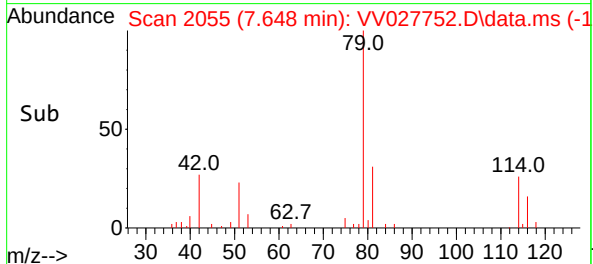
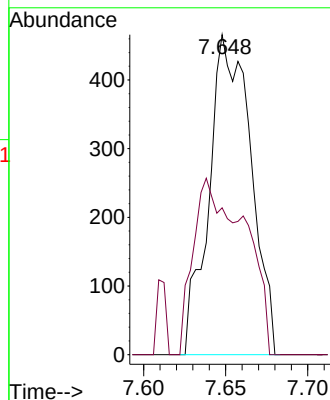
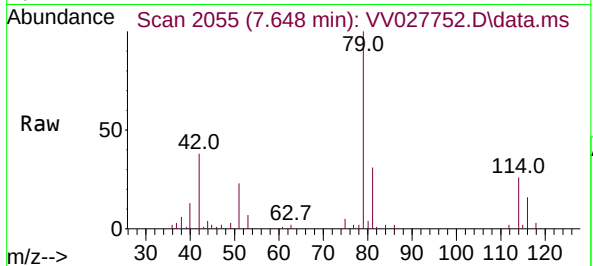




#44
trans-1,3-Dichloropropene
Concen: 0.073 ug/L
RT: 7.648 min Scan# 2123
Delta R.T. -0.016 min
Lab File: VV027752.D
Acq: 06 Sep 2022 19:40

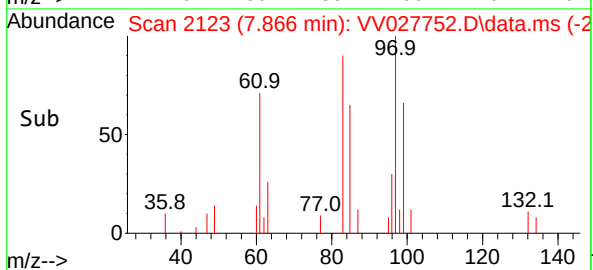
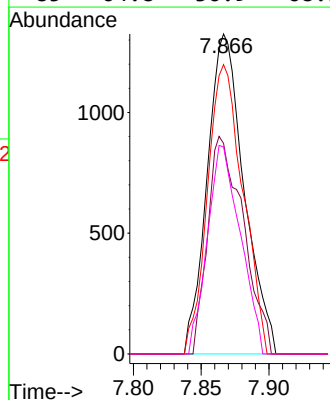
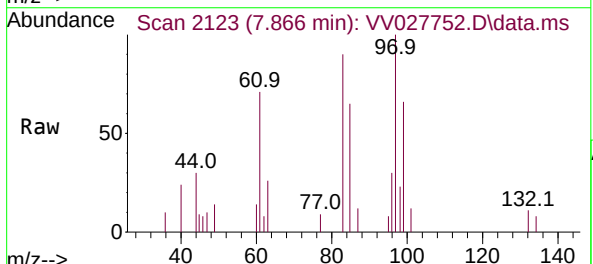
Instrument :
MSVOA_V
ClientSampleId :
DBVC5

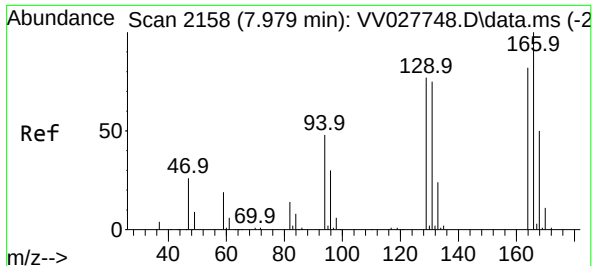
Tgt Ion: 75 Resp: 826
Ion Ratio Lower Upper
75 100
77 45.9 22.6 42.0#



#45
1,1,2-Trichloroethane
Concen: 0.362 ug/L
RT: 7.866 min Scan# 2123
Delta R.T. 0.016 min
Lab File: VV027752.D
Acq: 06 Sep 2022 19:40

Tgt Ion: 97 Resp: 2506
Ion Ratio Lower Upper
97 100
99 65.8 44.2 82.0
83 90.4 60.3 112.1
85 64.8 36.9 68.5





#47

Tetrachloroethene

Concen: 5.080 ug/L

RT: 7.992 min Scan# 2162

Delta R.T. 0.013 min

Lab File: VV027752.D

Acq: 06 Sep 2022 19:40

Instrument :

MSVOA_V

ClientSampleId :

DBVC5

Tgt Ion:164 Resp: 45884

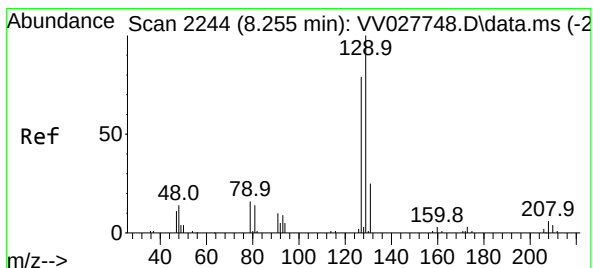
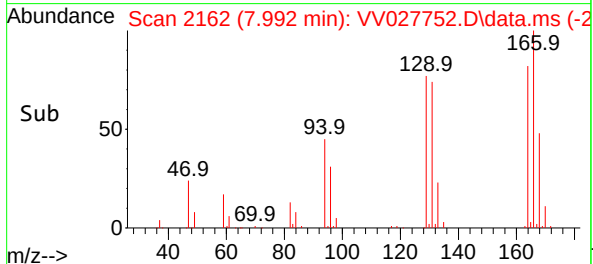
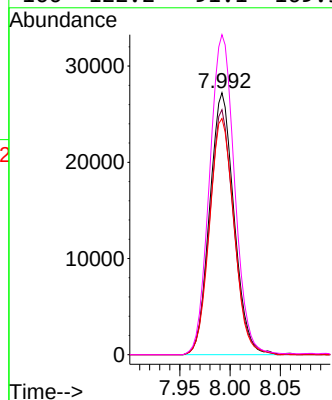
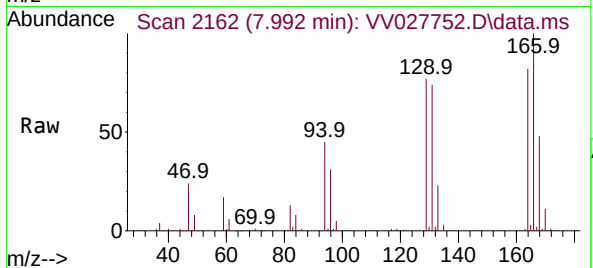
Ion Ratio Lower Upper

164 100

129 93.5 67.2 124.8

131 90.2 61.5 114.3

166 122.2 91.1 169.3



#49

Dibromochloromethane

Concen: 4.833 ug/L

RT: 7.992 min Scan# 2162

Delta R.T. -0.264 min

Lab File: VV027752.D

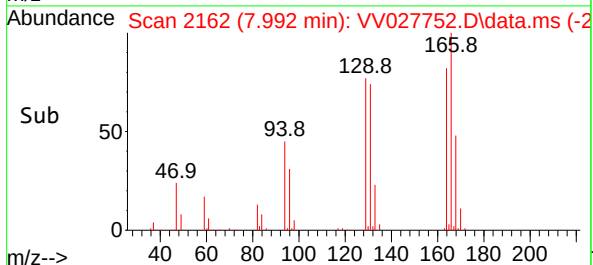
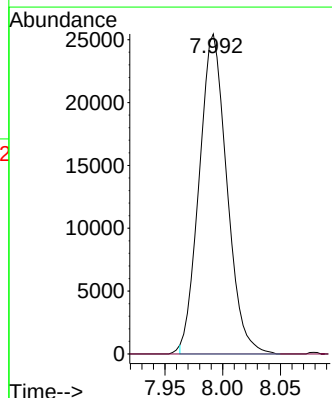
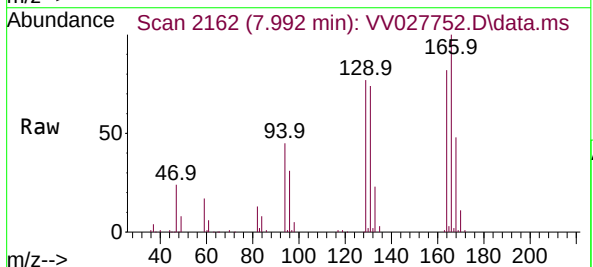
Acq: 06 Sep 2022 19:40

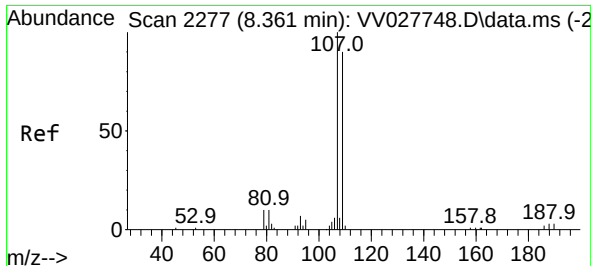
Tgt Ion:129 Resp: 42422

Ion Ratio Lower Upper

129 100

127 0.0 55.2 102.6#





#50

1,2-Dibromoethane

Concen: 0.115 ug/L

RT: 8.329 min Scan# 21

Delta R.T. -0.032 min

Lab File: VV027752.D

Acq: 06 Sep 2022 19:40

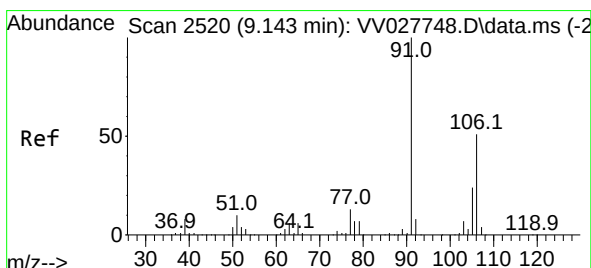
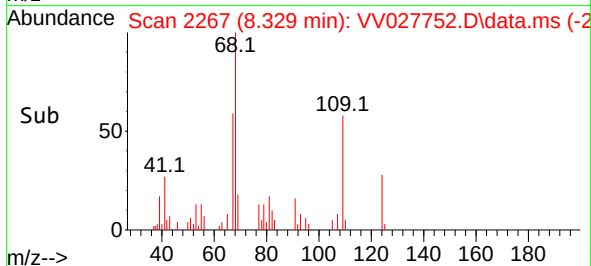
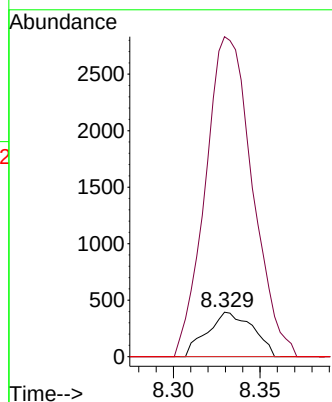
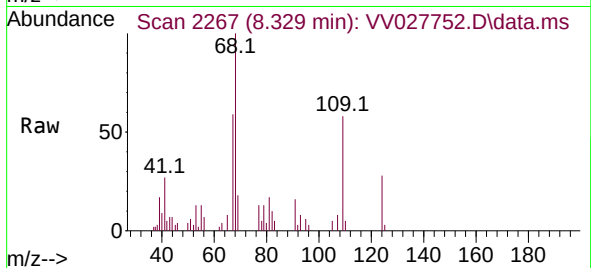
Instrument :

MSVOA_V

ClientSampleId :

DBVC5

Tgt Ion:107	Resp:	722
Ion	Ratio	Lower Upper
107	100	
109	718.8	65.9 122.5#
188	0.0	3.1 4.7#



#53

m,p-Xylene

Concen: 0.159 ug/L

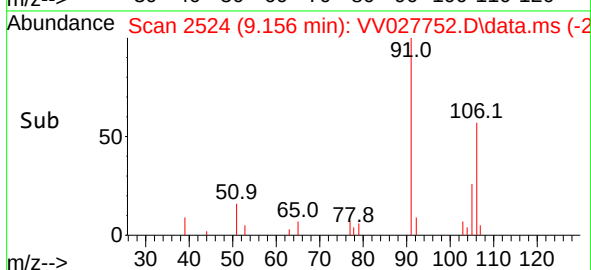
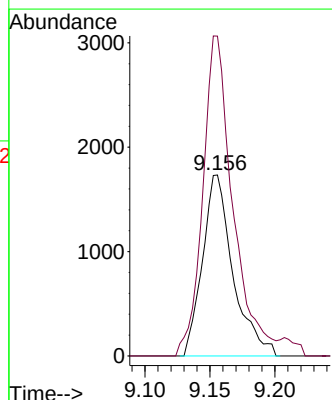
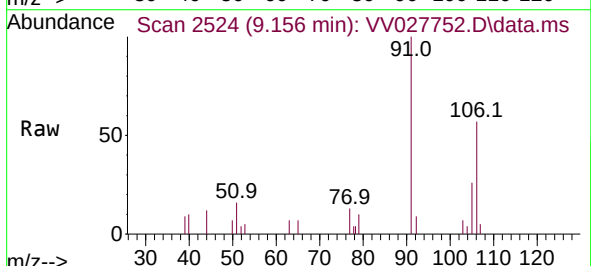
RT: 9.156 min Scan# 2524

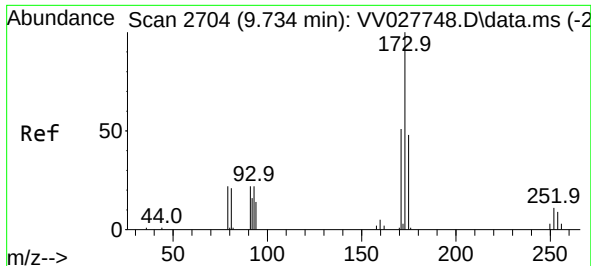
Delta R.T. 0.013 min

Lab File: VV027752.D

Acq: 06 Sep 2022 19:40

Tgt Ion:106	Resp:	2831
Ion	Ratio	Lower Upper
106	100	
91	176.8	142.4 264.4

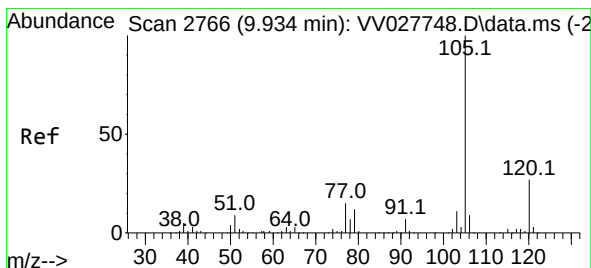
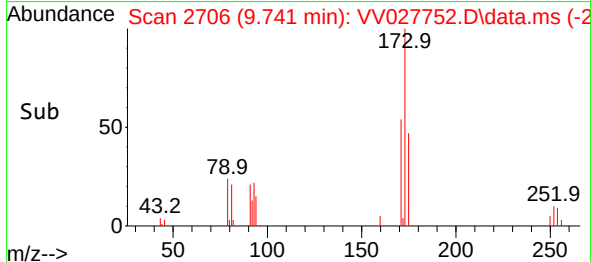
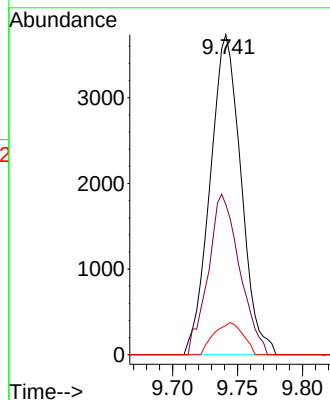
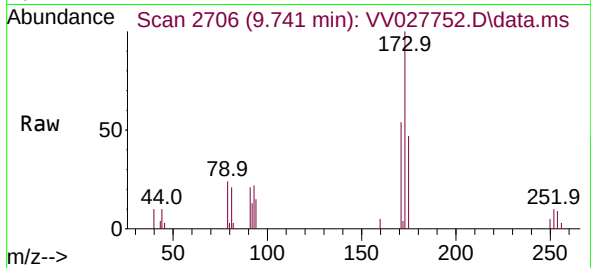




#59
Bromoform
Concen: 1.643 ug/L
RT: 9.741 min Scan# 21
Delta R.T. 0.007 min
Lab File: VV027752.D
Acq: 06 Sep 2022 19:40

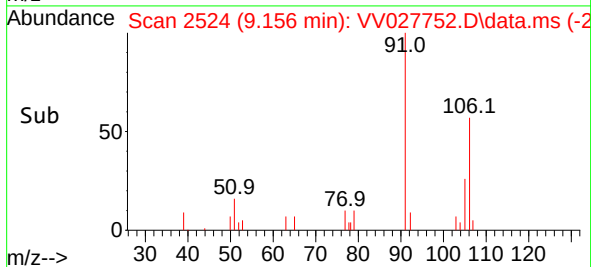
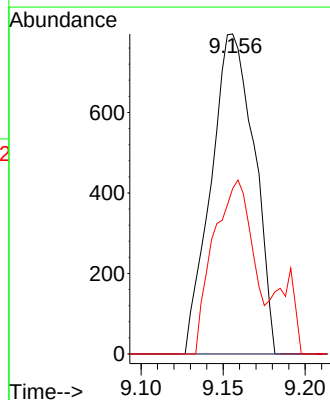
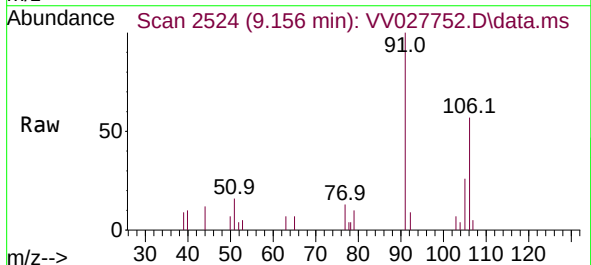
Instrument :
MSVOA_V
ClientSampleId :
DBVC5

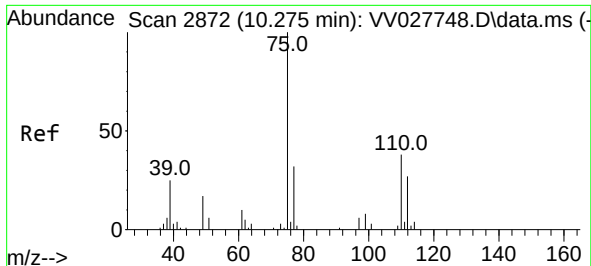
Tgt Ion:173 Resp: 6180
Ion Ratio Lower Upper
173 100
175 50.9 38.4 57.6
254 9.4 6.8 10.2



#60
Isopropylbenzene
Concen: 0.037 ug/L
RT: 9.156 min Scan# 2524
Delta R.T. -0.778 min
Lab File: VV027752.D
Acq: 06 Sep 2022 19:40

Tgt Ion:105 Resp: 1454
Ion Ratio Lower Upper
105 100
120 0.0 21.3 31.9#
77 49.5 12.6 18.8#

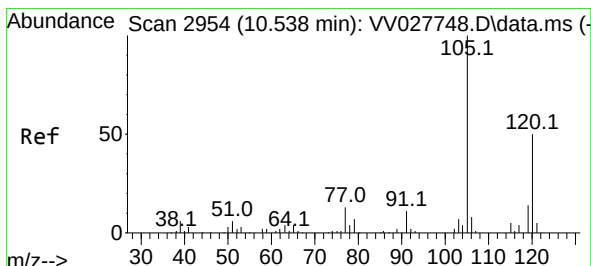
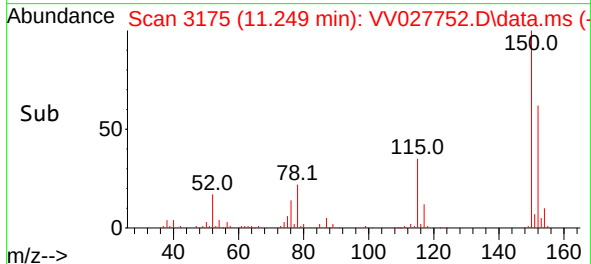
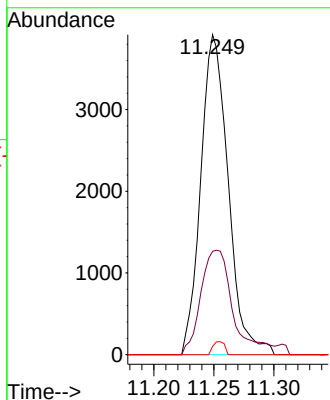
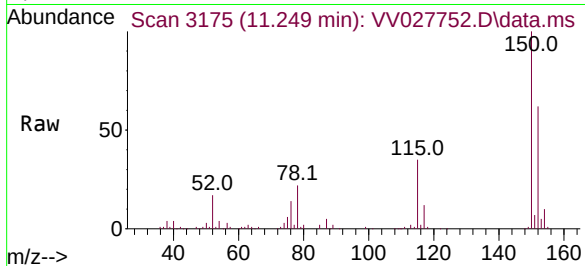




#61
1,2,3-Trichloropropane
Concen: 1.267 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.974 min
Lab File: VV027752.D
Acq: 06 Sep 2022 19:40

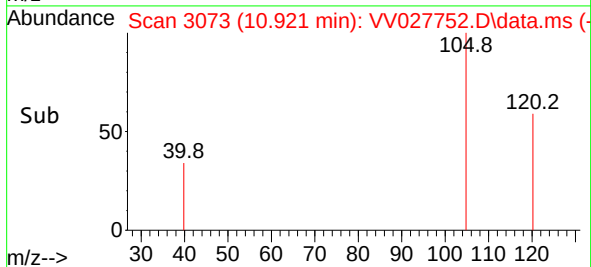
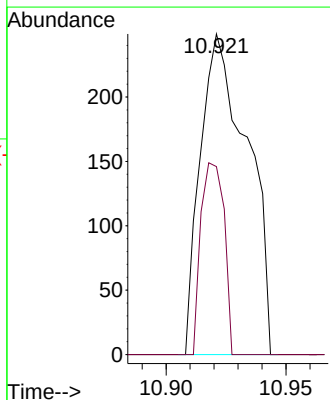
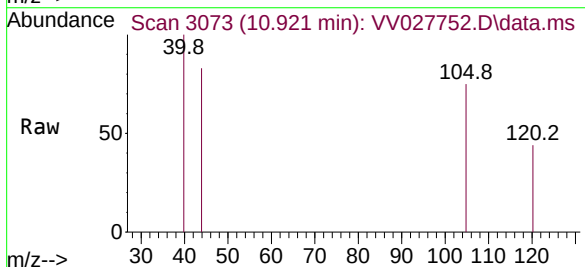
Instrument :
MSVOA_V
ClientSampleId :
DBVC5

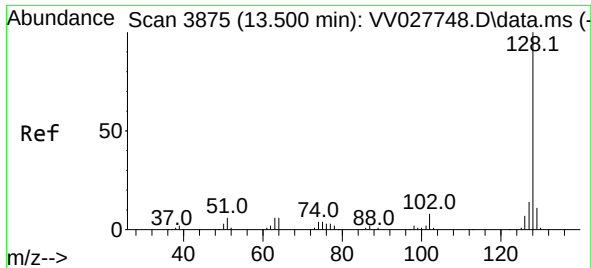
Tgt Ion: 75 Resp: 6236
Ion Ratio Lower Upper
75 100
77 38.2 27.6 41.4
110 1.7 35.6 53.4#



#62
1,3,5-Trimethylbenzene
Concen: 0.031 ug/L
RT: 10.921 min Scan# 3073
Delta R.T. 0.383 min
Lab File: VV027752.D
Acq: 06 Sep 2022 19:40

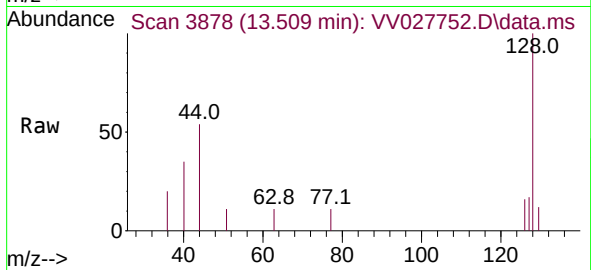
Tgt Ion: 105 Resp: 339
Ion Ratio Lower Upper
105 100
120 29.5 39.6 59.4#





#71
Naphthalene
Concen: 0.087 ug/L
RT: 13.509 min Scan# 3875
Delta R.T. 0.010 min
Lab File: VV027752.D
Acq: 06 Sep 2022 19:40

Instrument :
MSVOA_V
ClientSampleId :
DBVC5



Tgt Ion:128 Resp: 1606
Ion Ratio Lower Upper
128 100
129 2.8 9.2 13.8#
127 12.6 10.6 16.0

