

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW080122\
 Data File : VW027142.D
 Acq On : 01 Aug 2022 22:07
 Operator : SY/MD
 Sample : N3880-19
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DBUH8

Quant Time: Aug 02 00:37:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 02 00:27:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	647467	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	614719	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	268963	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.304	65	288437	68.739	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 137.480%#	
7) Chloroethane-d5	1.561	69	216097	68.820	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 137.640%#	
11) 1,1-Dichloroethene-d2	2.105	63	346563	43.372	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 86.740%	
21) 2-Butanone-d5	3.873	46	298202	107.941	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 107.940%	
24) Chloroform-d	4.342	84	449838	53.035	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 106.080%	
26) 1,2-Dichloroethane-d4	5.027	65	270208	56.149	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 112.300%	
32) Benzene-d6	5.047	84	958325	58.915	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 117.820%	
36) 1,2-Dichloropropane-d6	6.066	67	295238	58.673	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 117.340%	
41) Toluene-d8	7.313	98	805232	54.910	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 109.820%	
43) trans-1,3-Dichloroprop...	7.619	79	119815	54.254	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 108.500%	
47) 2-Hexanone-d5	8.085	63	231606	119.222	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 119.220%	
56) 1,1,2,2-Tetrachloroeth...	10.214	84	404966	53.839	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 107.680%	
66) 1,2-Dichlorobenzene-d4	11.622	152	291648	61.700	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 123.400%#	

Target Compounds

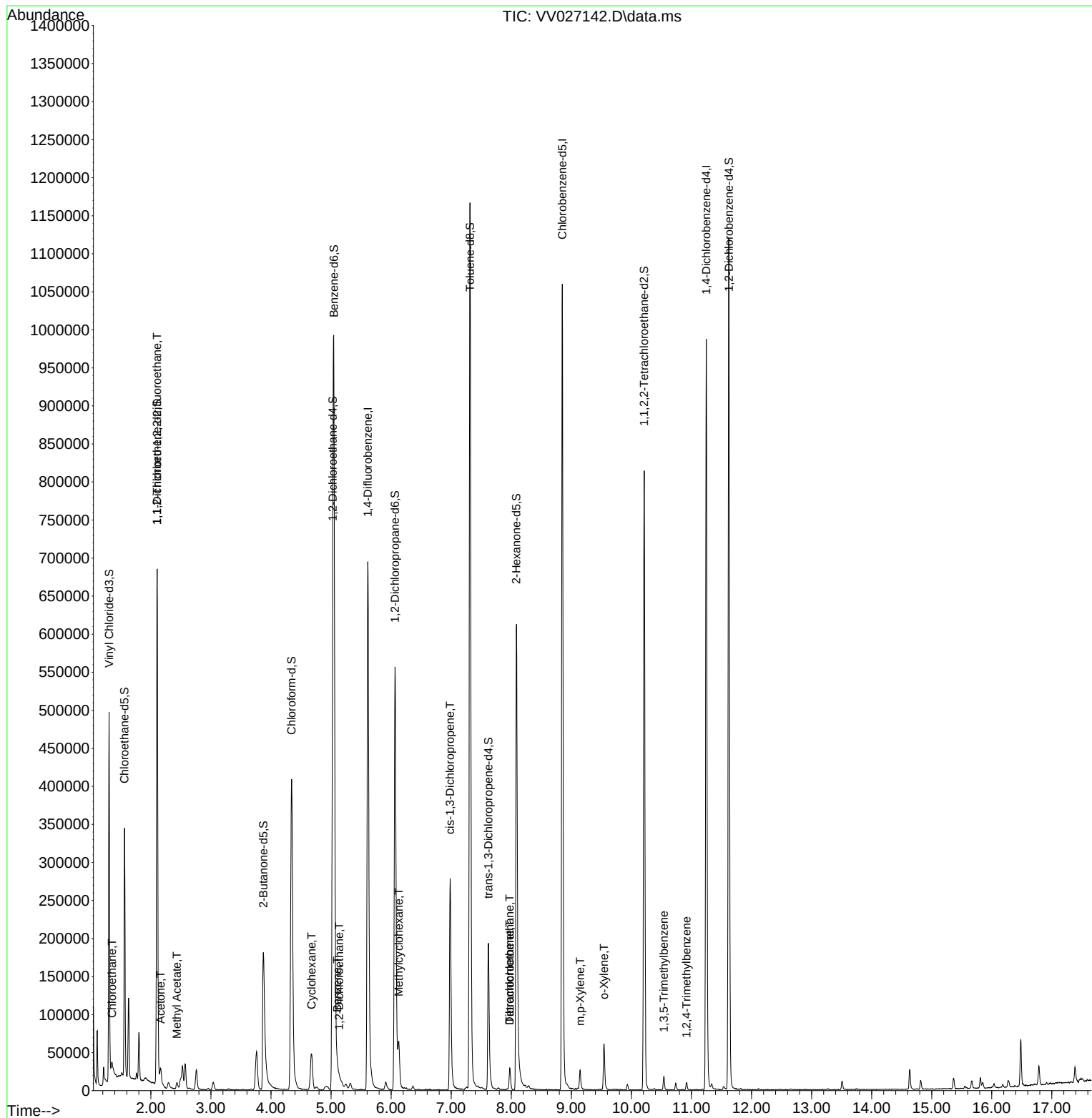
						Qvalue
8) Chloroethane	1.355	64	35215	10.748	ug/L #	53
10) 1,1,2-Trichloro-1,2,2-...	2.105	101	3363	0.728	ug/L #	25
13) Acetone	2.162	43	12172	5.218	ug/L	93
15) Methyl Acetate	2.432	43	8713	1.717	ug/L	98
27) 1,2-Dichloroethane	5.137	62	9996	1.567	ug/L	100
29) Cyclohexane	4.674	56	25032	4.022	ug/L	94
33) Benzene	5.101	78	13845	0.734	ug/L	100
35) Methylcyclohexane	6.127	83	22308	3.100	ug/L	92
39) cis-1,3-Dichloropropene	6.982	75	6847	0.986	ug/L #	59
46) Tetrachloroethene	7.976	164	6585	1.779	ug/L	88
49) Dibromochloromethane	7.972	129	6993	1.295	ug/L #	10
53) m,p-Xylene	9.146	106	7294	0.933	ug/L	87
54) o-Xylene	9.545	106	16453	2.150	ug/L	84
62) 1,3,5-Trimethylbenzene	10.541	105	9568	1.339	ug/L	97
63) 1,2,4-Trimethylbenzene	10.918	105	5741	0.994	ug/L	96

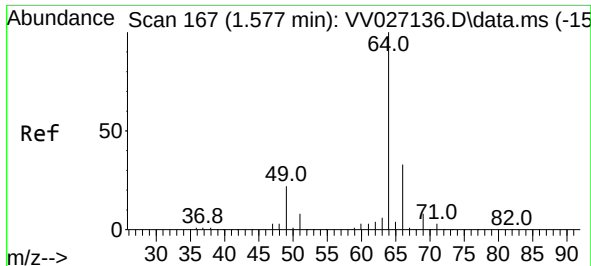
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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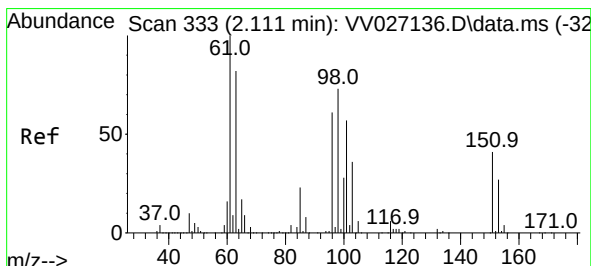
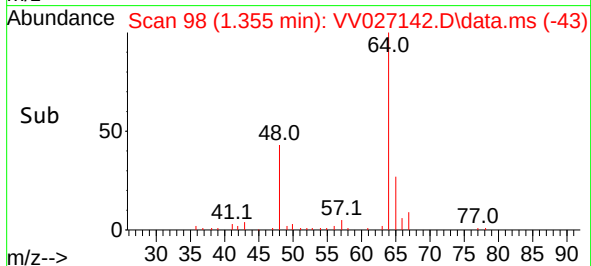
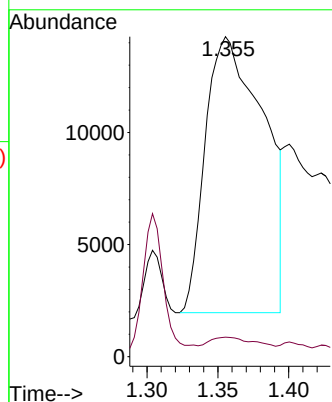
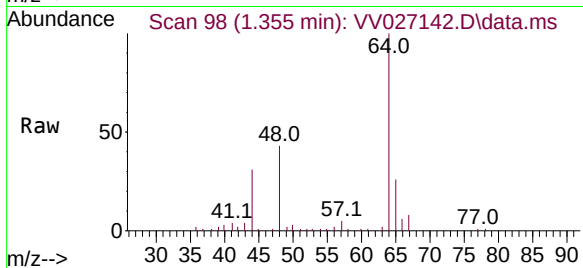




#8
Chloroethane
Concen: 10.748 ug/L
RT: 1.355 min Scan# 91
Delta R.T. -0.222 min
Lab File: VV027142.D
Acq: 01 Aug 2022 22:07

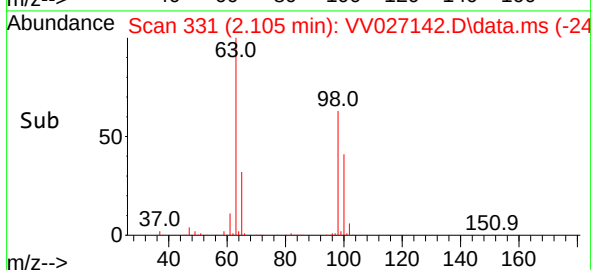
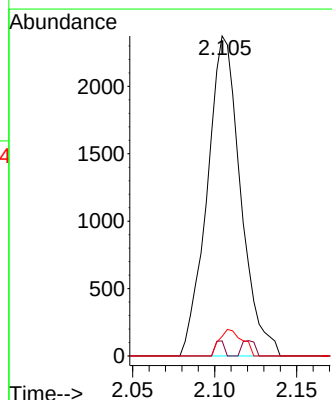
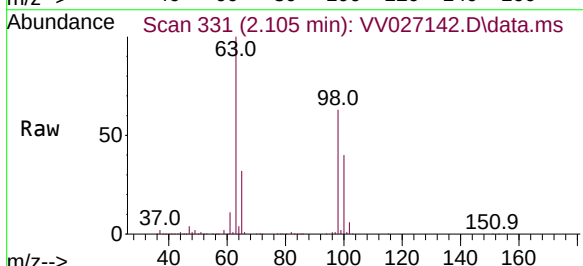
Instrument :
MSVOA_V
ClientSampleId :
DBUH8

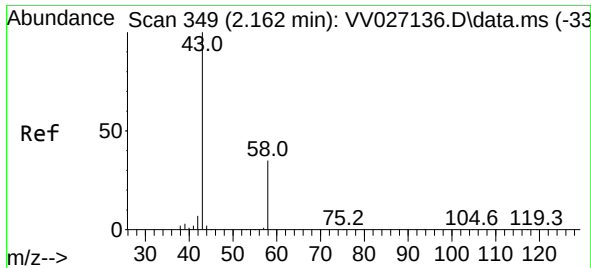
Tgt Ion: 64 Resp: 35215
Ion Ratio Lower Upper
64 100
66 6.1 22.6 42.0#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.728 ug/L
RT: 2.105 min Scan# 331
Delta R.T. -0.006 min
Lab File: VV027142.D
Acq: 01 Aug 2022 22:07

Tgt Ion:101 Resp: 3363
Ion Ratio Lower Upper
101 100
85 1.3 33.9 50.9#
151 5.6 58.4 87.6#





#13

Acetone

Concen: 5.218 ug/L

RT: 2.162 min Scan# 349

Delta R.T. 0.000 min

Lab File: VV027142.D

Acq: 01 Aug 2022 22:07

Instrument :

MSVOA_V

ClientSampleId :

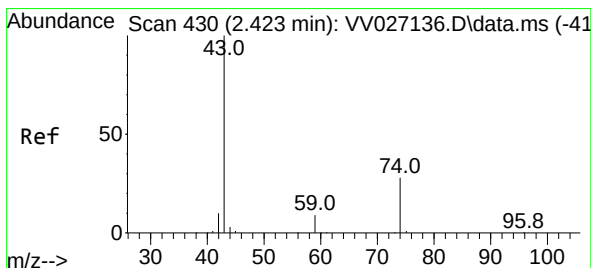
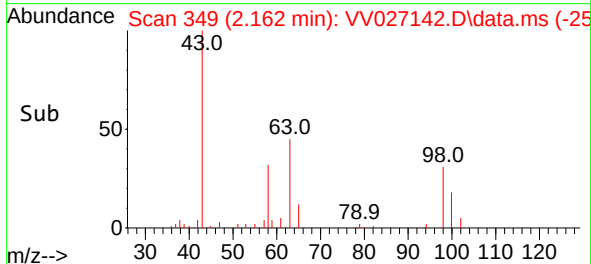
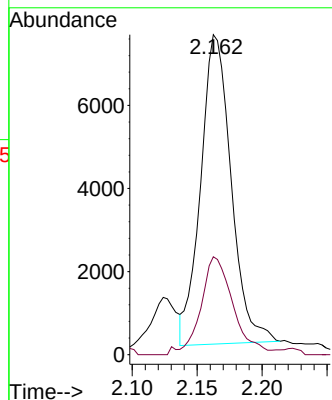
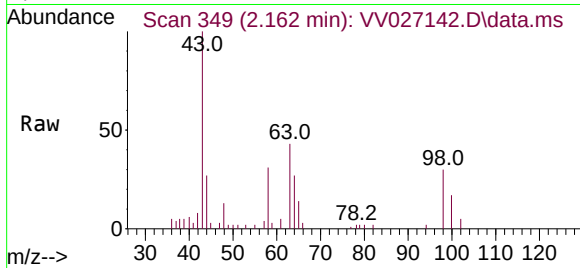
DBUH8

Tgt Ion: 43 Resp: 12172

Ion Ratio Lower Upper

43 100

58 32.8 0.0 73.6



#15

Methyl Acetate

Concen: 1.717 ug/L

RT: 2.432 min Scan# 433

Delta R.T. 0.010 min

Lab File: VV027142.D

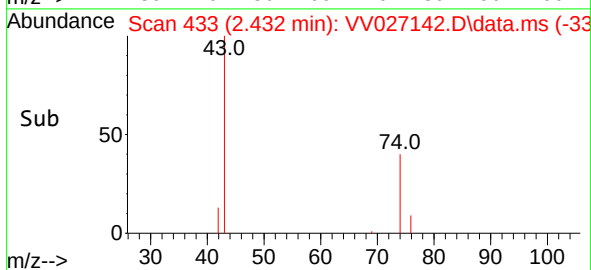
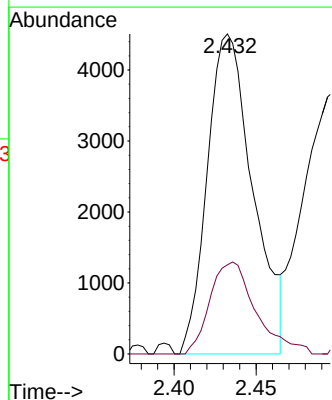
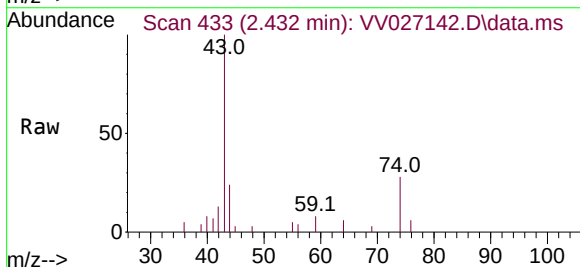
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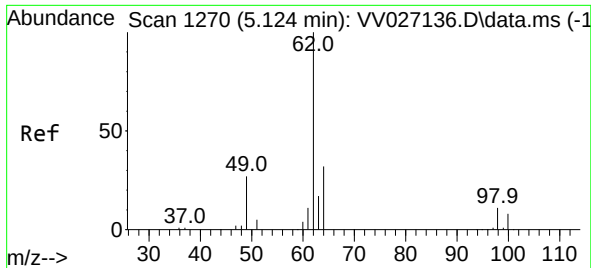
Tgt Ion: 43 Resp: 8713

Ion Ratio Lower Upper

43 100

74 29.0 22.4 33.6

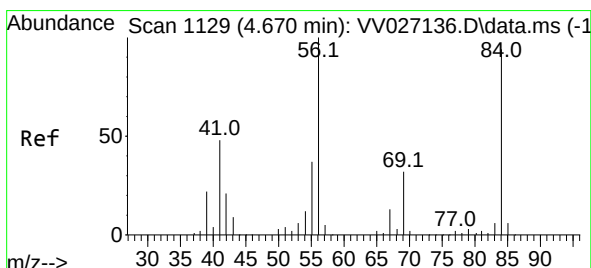
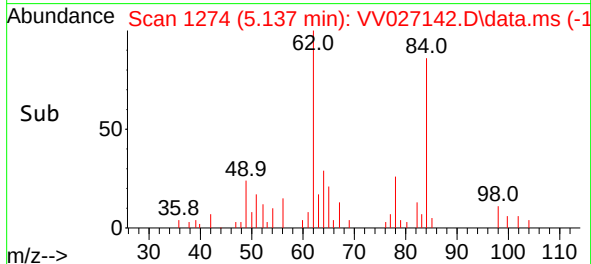
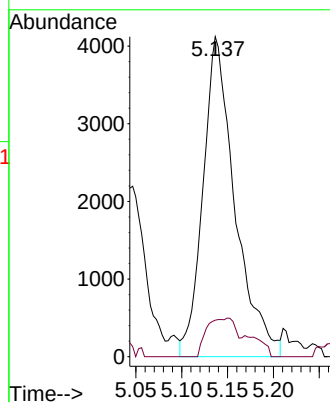
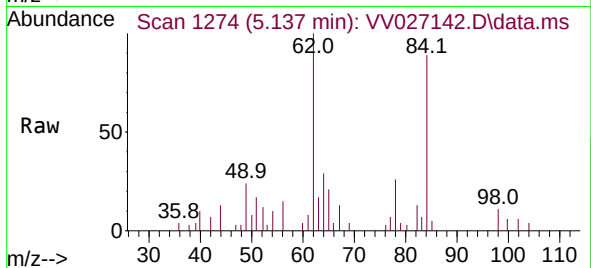




#27
1,2-Dichloroethane
Concen: 1.567 ug/L
RT: 5.137 min Scan# 1130
Delta R.T. 0.013 min
Lab File: VV027142.D
Acq: 01 Aug 2022 22:07

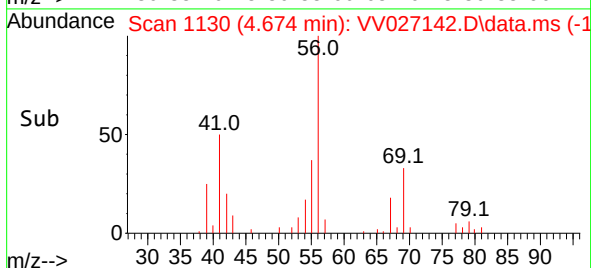
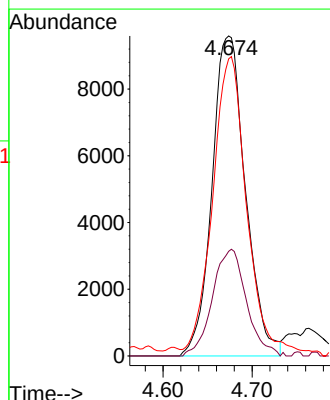
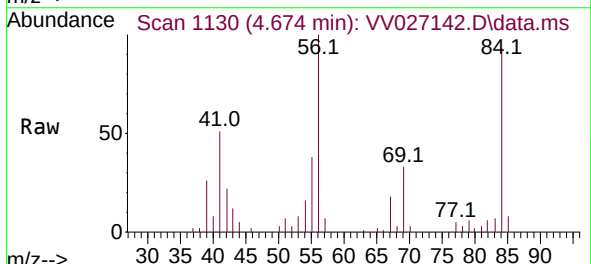
Instrument :
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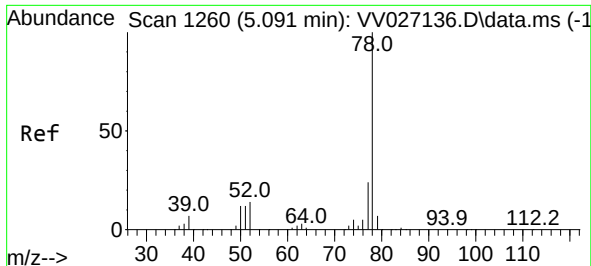
Tgt Ion: 62 Resp: 9996
Ion Ratio Lower Upper
62 100
98 11.4 9.2 13.8



#29
Cyclohexane
Concen: 4.022 ug/L
RT: 4.674 min Scan# 1130
Delta R.T. 0.003 min
Lab File: VV027142.D
Acq: 01 Aug 2022 22:07

Tgt Ion: 56 Resp: 25032
Ion Ratio Lower Upper
56 100
69 33.7 26.1 39.1
84 88.8 77.3 115.9

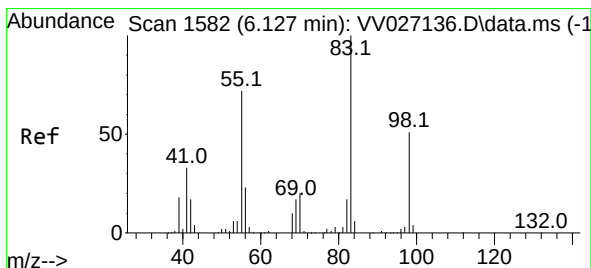
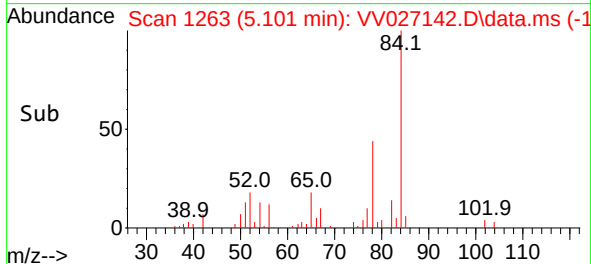
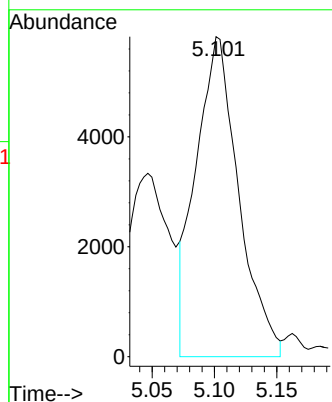
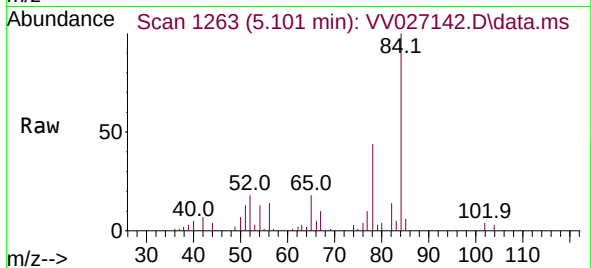




#33
Benzene
Concen: 0.734 ug/L
RT: 5.101 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV027142.D
Acq: 01 Aug 2022 22:07

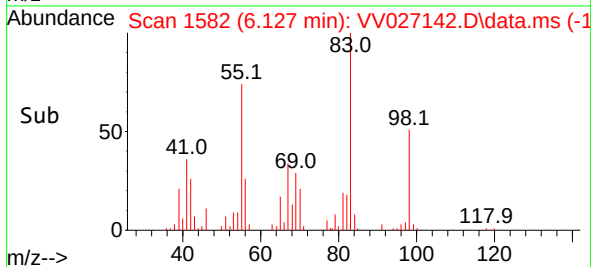
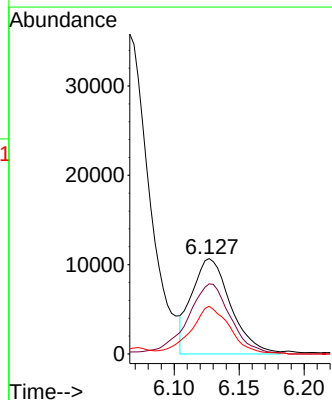
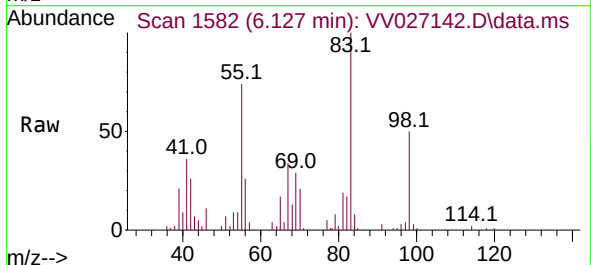
Instrument :
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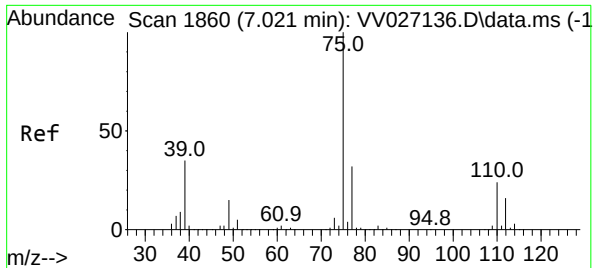
Tgt Ion: 78 Resp: 13845



#35
Methylcyclohexane
Concen: 3.100 ug/L
RT: 6.127 min Scan# 1582
Delta R.T. 0.000 min
Lab File: VV027142.D
Acq: 01 Aug 2022 22:07

Tgt Ion: 83 Resp: 22308
Ion Ratio Lower Upper
83 100
55 81.2 56.2 84.4
98 50.3 39.6 59.4





#39

cis-1,3-Dichloropropene

Concen: 0.986 ug/L

RT: 6.982 min Scan# 11

Delta R.T. -0.039 min

Lab File: VV027142.D

Acq: 01 Aug 2022 22:07

Instrument :

MSVOA_V

ClientSampleId :

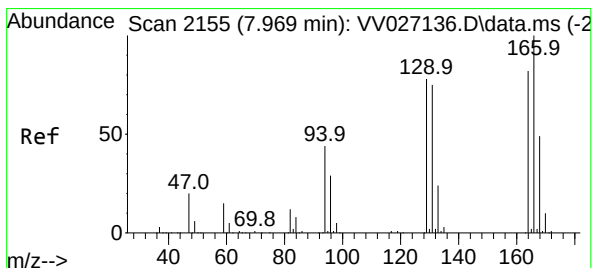
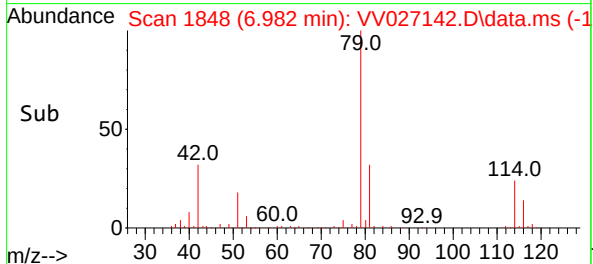
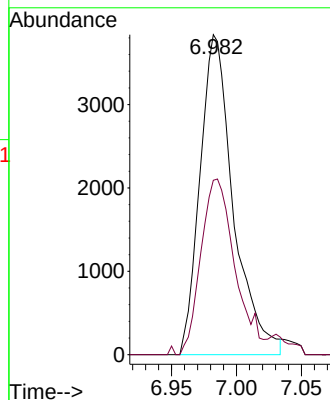
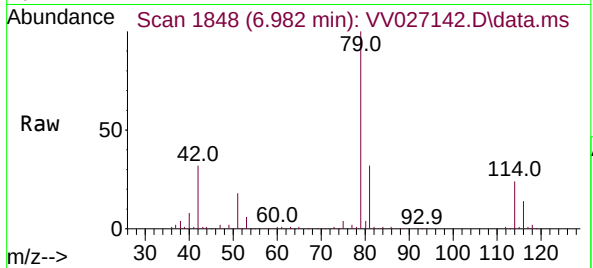
DBUH8

Tgt Ion: 75 Resp: 6847

Ion Ratio Lower Upper

75 100

77 54.5 22.3 41.5#



#46

Tetrachloroethene

Concen: 1.779 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.006 min

Lab File: VV027142.D

Acq: 01 Aug 2022 22:07

Tgt Ion: 164 Resp: 6585

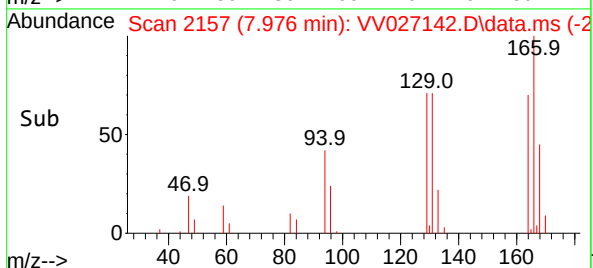
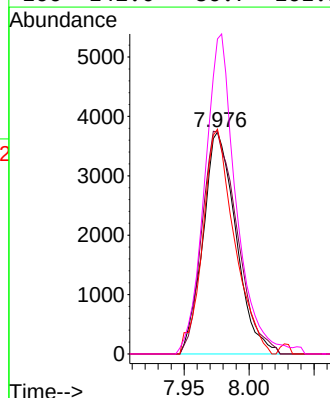
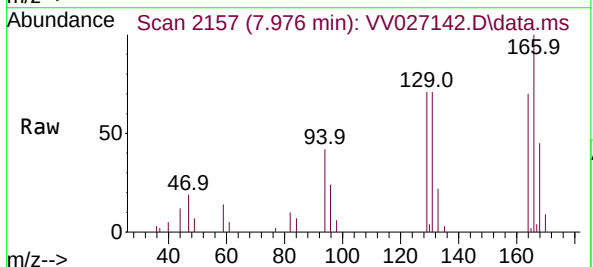
Ion Ratio Lower Upper

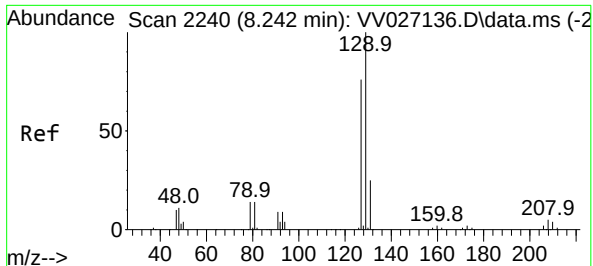
164 100

129 100.1 66.0 122.6

131 101.3 63.1 117.1

166 142.0 86.7 161.1





#49

Dibromochloromethane

Concen: 1.295 ug/L

RT: 7.972 min Scan# 2156

Delta R.T. -0.270 min

Lab File: VV027142.D

Acq: 01 Aug 2022 22:07

Instrument :

MSVOA_V

ClientSampleId :

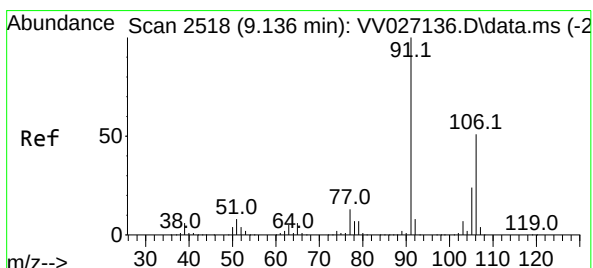
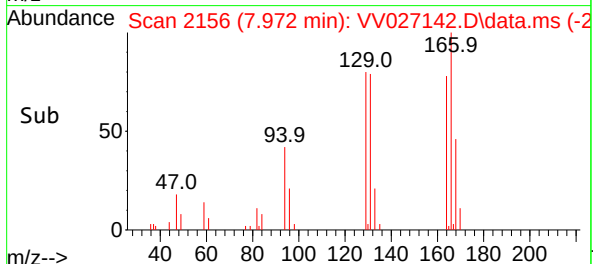
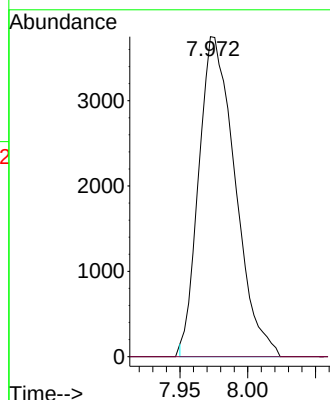
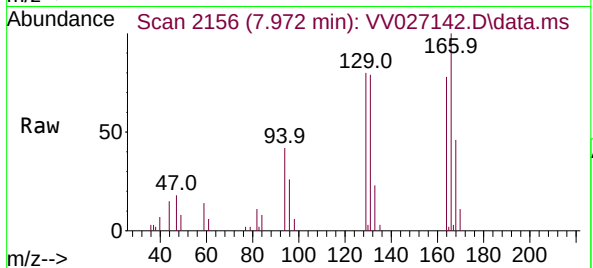
DBUH8

Tgt Ion:129 Resp: 6993

Ion Ratio Lower Upper

129 100

127 0.0 54.5 101.3#



#53

m,p-Xylene

Concen: 0.933 ug/L

RT: 9.146 min Scan# 2521

Delta R.T. 0.010 min

Lab File: VV027142.D

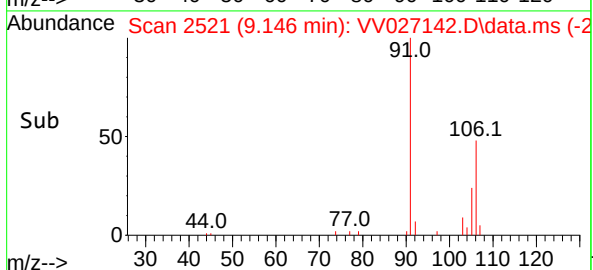
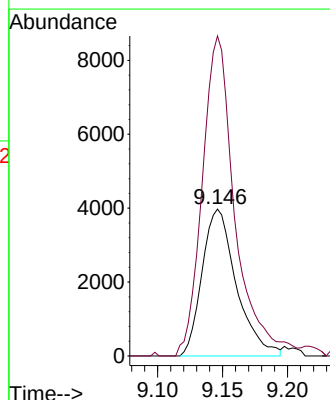
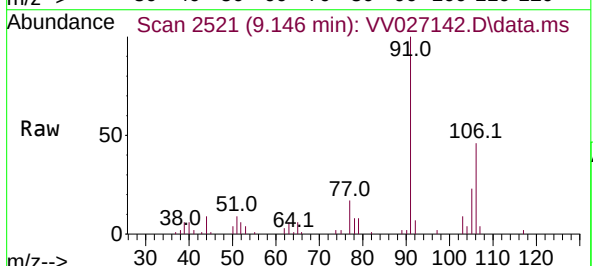
Acq: 01 Aug 2022 22:07

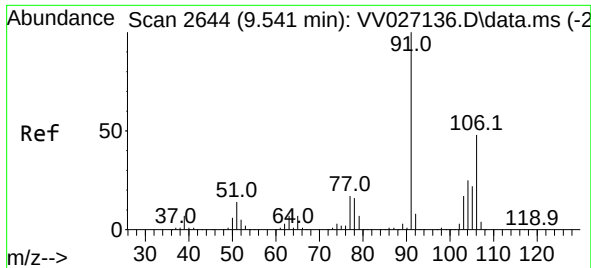
Tgt Ion:106 Resp: 7294

Ion Ratio Lower Upper

106 100

91 217.9 138.5 257.3

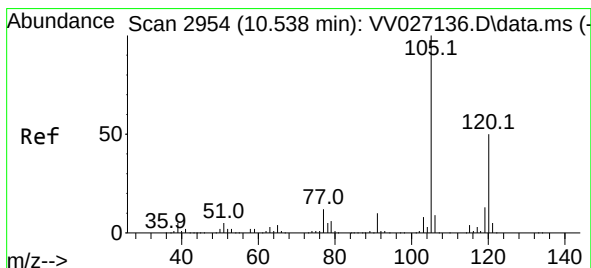
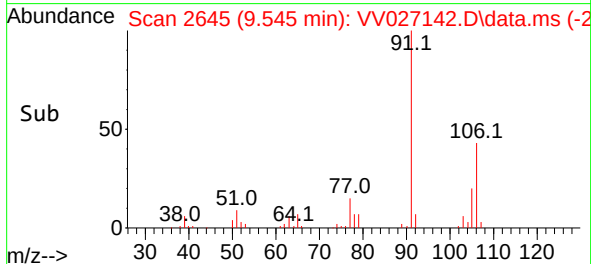
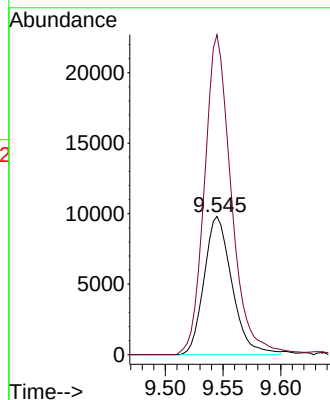
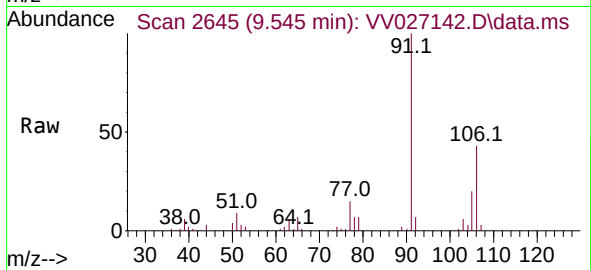




#54
o-Xylene
Concen: 2.150 ug/L
RT: 9.545 min Scan# 20
Delta R.T. 0.003 min
Lab File: VV027142.D
Acq: 01 Aug 2022 22:07

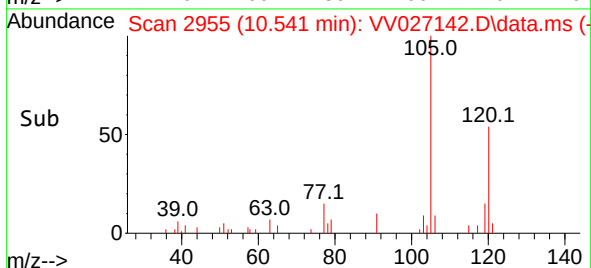
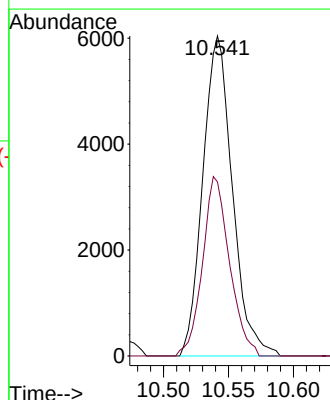
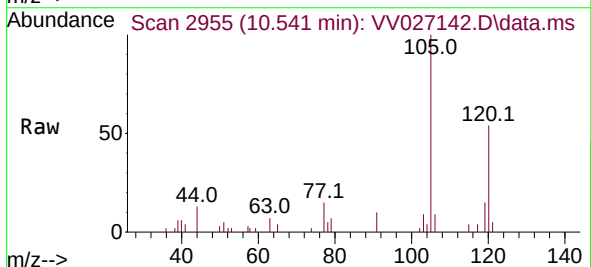
Instrument :
MSVOA_V
ClientSampleId :
DBUH8

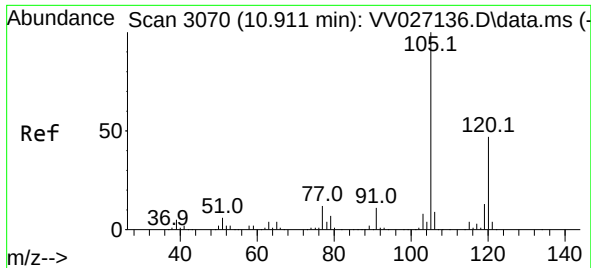
Tgt Ion:106 Resp: 16453
Ion Ratio Lower Upper
106 100
91 231.5 145.1 269.5



#62
1,3,5-Trimethylbenzene
Concen: 1.339 ug/L
RT: 10.541 min Scan# 2955
Delta R.T. 0.003 min
Lab File: VV027142.D
Acq: 01 Aug 2022 22:07

Tgt Ion:105 Resp: 9568
Ion Ratio Lower Upper
105 100
120 51.2 39.6 59.4





#63
 1,2,4-Trimethylbenzene
 Concen: 0.994 ug/L
 RT: 10.918 min Scan# 3072
 Delta R.T. 0.006 min
 Lab File: VV027142.D
 Acq: 01 Aug 2022 22:07

Instrument :
 MSVOA_V
 ClientSampleId :
 DBUH8

Tgt Ion:105 Resp: 5741
 Ion Ratio Lower Upper
 105 100
 120 48.2 36.5 54.7

