

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011323\
 Data File : VW029858.D
 Acq On : 14 Jan 2023 14:48
 Operator : SY/MD
 Sample : 01138-03
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BH1W7

Quant Time: Jan 16 00:40:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011223WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 12 22:05:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	179998	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	174965	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	89746	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	68061	4.985	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.800%
7) Chloroethane-d5	1.568	69	64572	5.706	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	114.200%
11) 1,1-Dichloroethene-d2	2.108	63	104245	4.188	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.800%
20) 2-Butanone-d5	3.889	46	132271	54.661	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.320%
24) Chloroform-d	4.342	84	147096	5.873	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	117.400%
26) 1,2-Dichloroethane-d4	5.027	65	65075	6.135	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	122.800%
32) Benzene-d6	5.047	84	297810	5.738	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.800%
36) 1,2-Dichloropropane-d6	6.066	67	98879	6.510	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	130.200%
41) Toluene-d8	7.310	98	267146	5.560	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.200%
43) trans-1,3-Dichloroprop...	7.619	79	27543	4.965	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.200%
46) 2-Hexanone-d5	8.085	63	122652	54.309	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.620%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	66032	5.932	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	118.600%
66) 1,2-Dichlorobenzene-d4	11.612	152	101512	6.221	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	124.400%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	1113	0.063	ug/L	99
5) Vinyl chloride	1.310	62	3756	0.217	ug/L #	61
6) Bromomethane	1.523	94	400	0.048	ug/L	86
8) Chloroethane	1.648	64	17496	1.668	ug/L #	50
12) 1,1-Dichloroethene	2.117	96	19630	1.277	ug/L #	8
13) Acetone	2.178	43	19854	11.495	ug/L	79
14) Carbon disulfide	2.297	76	4654	0.105	ug/L	99
17) Methyl tert-butyl Ether	2.773	73	2724	0.103	ug/L #	92
19) 1,1-Dichloroethane	3.185	63	23100	0.966	ug/L	99
22) cis-1,2-Dichloroethene	3.912	96	20207	1.327	ug/L	93
29) 1,1,1-Trichloroethane	4.609	97	2288	0.101	ug/L	97
34) Trichloroethene	5.908	95	131580	8.975	ug/L	97
35) Methylcyclohexane	6.066	83	23105	0.934	ug/L #	20
39) cis-1,3-Dichloropropene	6.982	75	1934	0.106	ug/L #	36
42) Toluene	7.387	91	22350	0.358	ug/L	99
47) Tetrachloroethene	7.969	164	1383	0.112	ug/L	74
49) Dibromochloromethane	7.969	129	1129	0.099	ug/L #	11
53) m,p-Xylene	9.136	106	2286	0.088	ug/L	87
55) Styrene	9.558	104	2415	0.057	ug/L	95

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Jan 12 22:05:54 2023
Response via : Initial Calibration

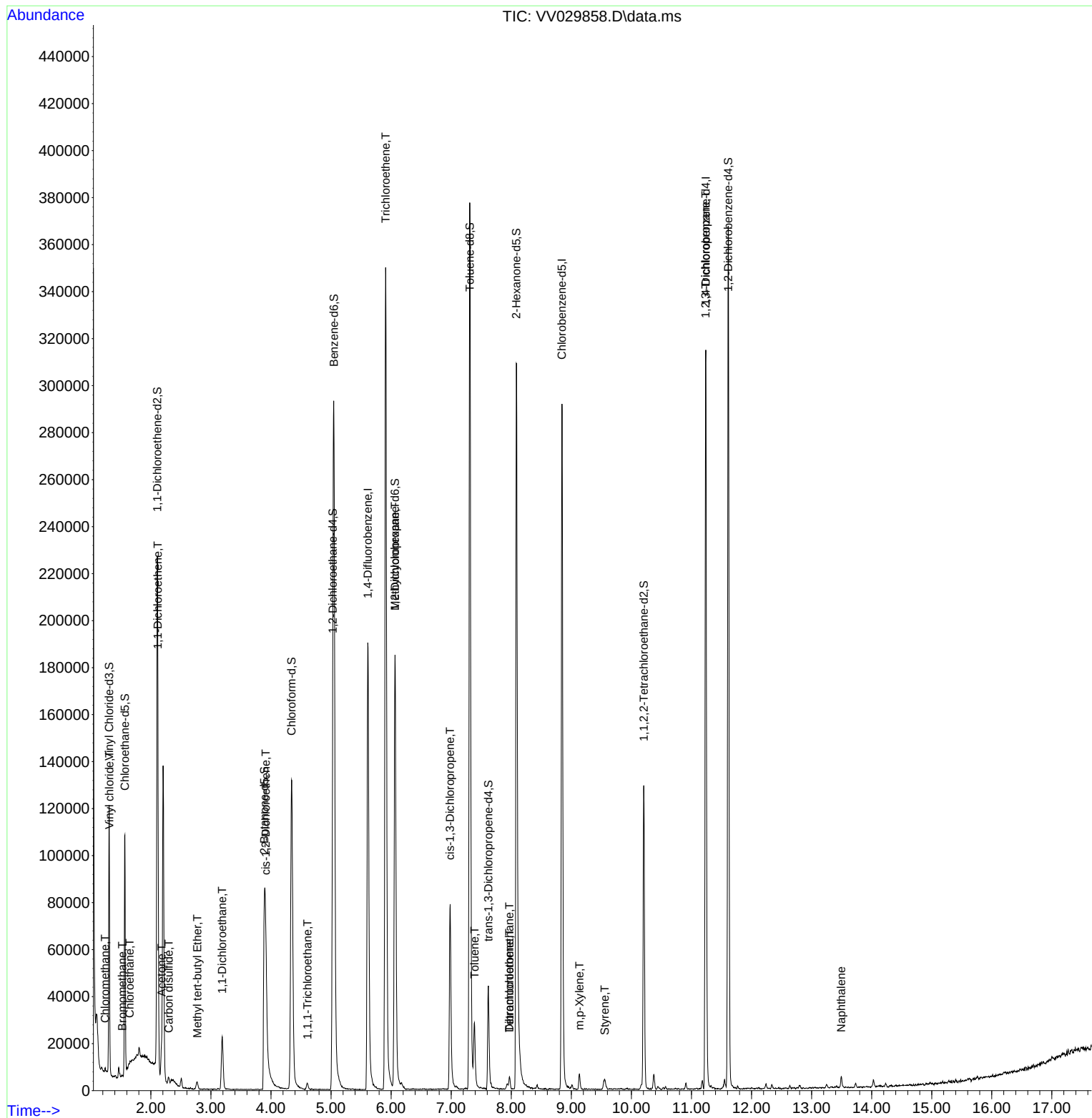
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.236	75	9723	1.463	ug/L	# 65
71) Naphthalene	13.493	128	4481	0.189	ug/L	95

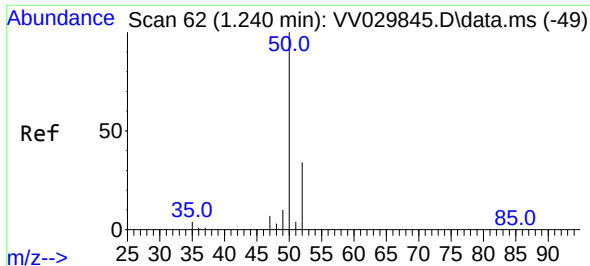
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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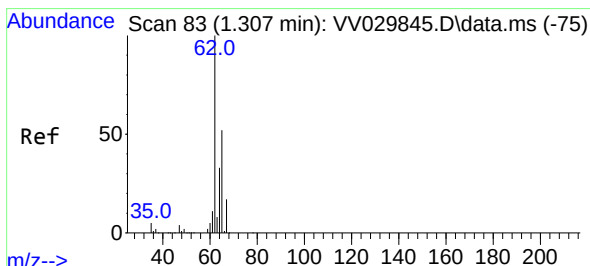
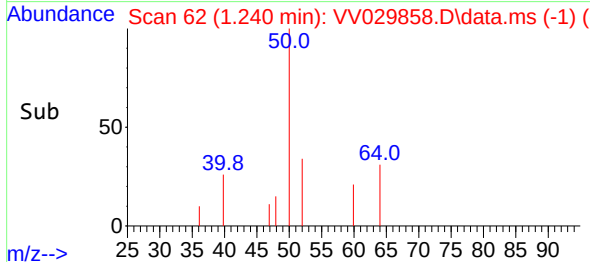
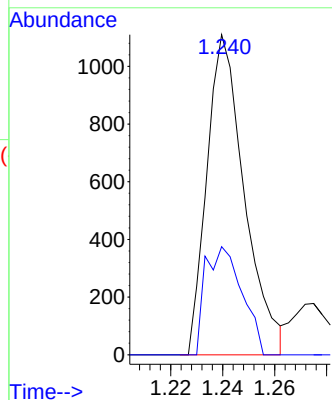
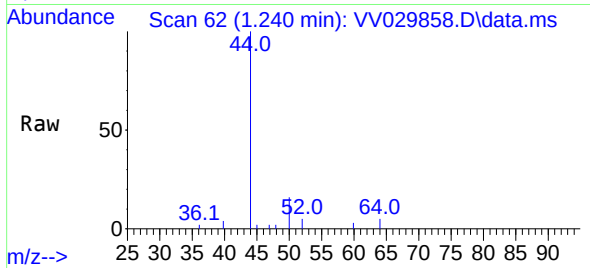




#3
Chloromethane
Concen: 0.063 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV029858.D
Acq: 14 Jan 2023 14:48

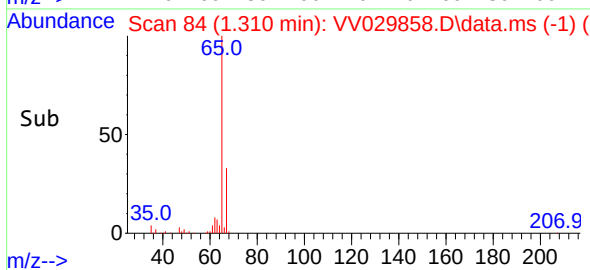
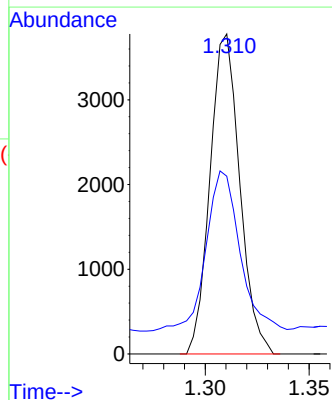
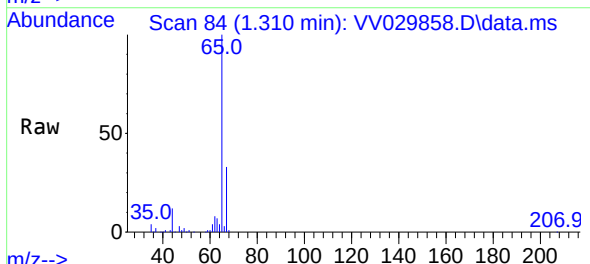
Instrument :
MSVOA_V
ClientSampleId :
BH1W7

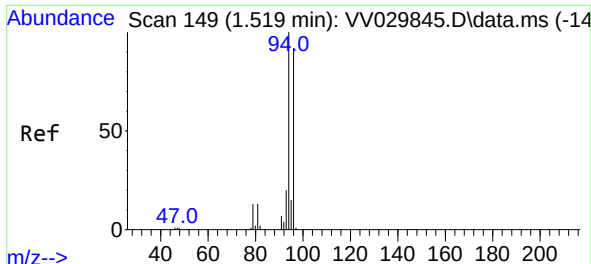
Tgt Ion: 50 Resp: 1113
Ion Ratio Lower Upper
50 100
52 33.8 23.1 42.9



#5
Vinyl chloride
Concen: 0.217 ug/L
RT: 1.310 min Scan# 84
Delta R.T. 0.006 min
Lab File: VV029858.D
Acq: 14 Jan 2023 14:48

Tgt Ion: 62 Resp: 3756
Ion Ratio Lower Upper
62 100
64 55.6 23.2 43.2#

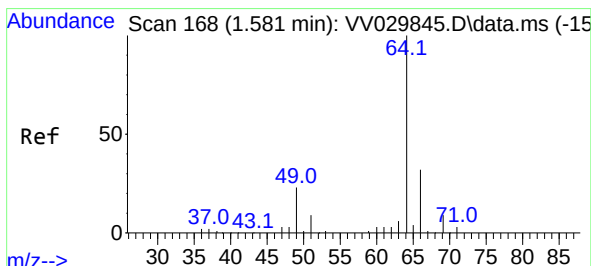
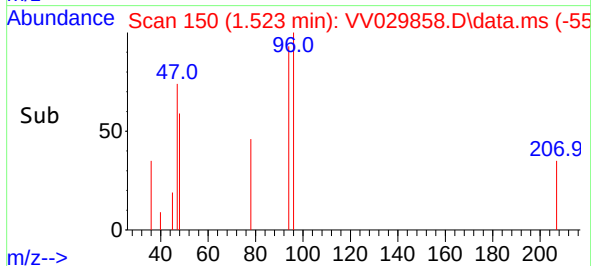
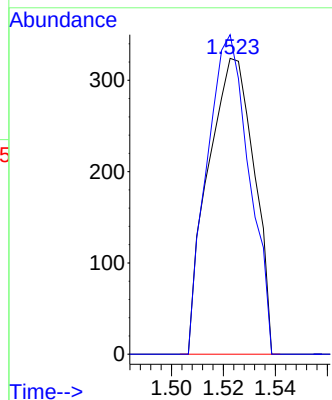
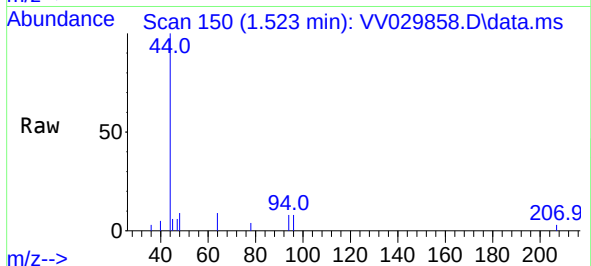




#6
Bromomethane
Concen: 0.048 ug/L
RT: 1.523 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV029858.D
Acq: 14 Jan 2023 14:48

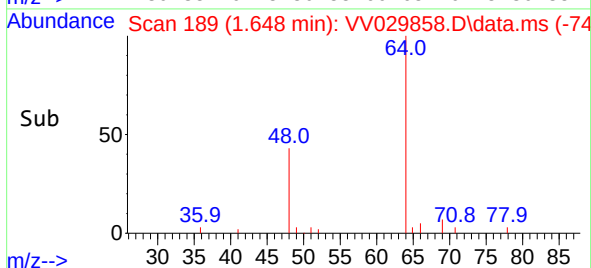
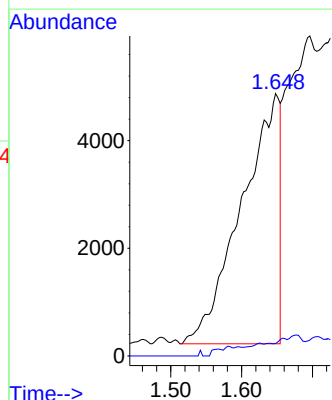
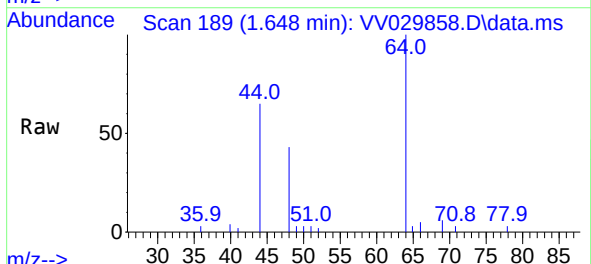
Instrument :
MSVOA_V
ClientSampleId :
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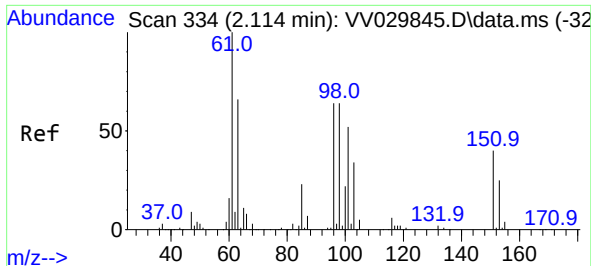
Tgt Ion: 94 Resp: 400
Ion Ratio Lower Upper
94 100
96 108.0 65.9 122.5



#8
Chloroethane
Concen: 1.668 ug/L
RT: 1.648 min Scan# 189
Delta R.T. 0.071 min
Lab File: VV029858.D
Acq: 14 Jan 2023 14:48

Tgt Ion: 64 Resp: 17496
Ion Ratio Lower Upper
64 100
66 4.7 22.9 42.5#

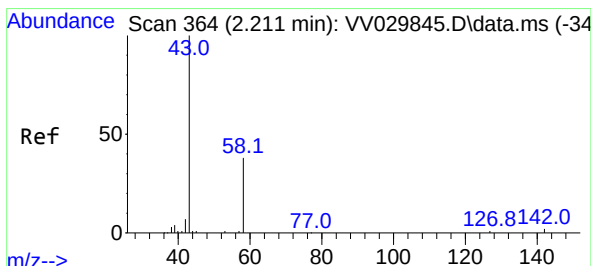
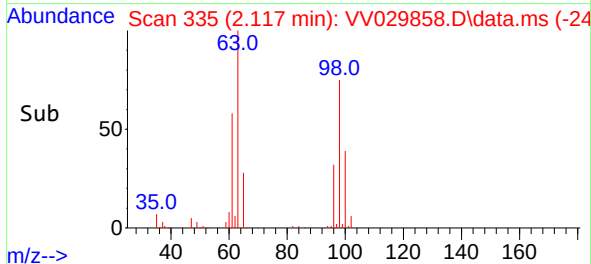
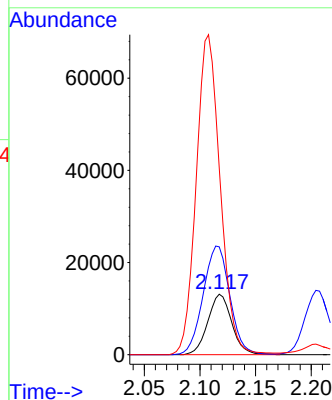
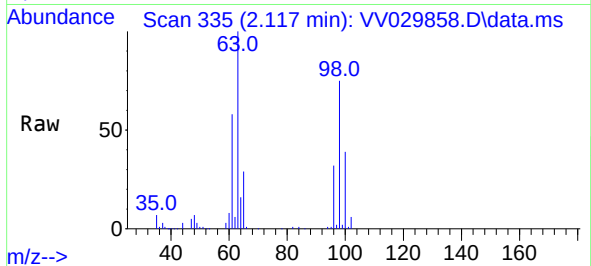




#12
1,1-Dichloroethene
Concen: 1.277 ug/L
RT: 2.117 min Scan# 31
Delta R.T. 0.006 min
Lab File: VV029858.D
Acq: 14 Jan 2023 14:48

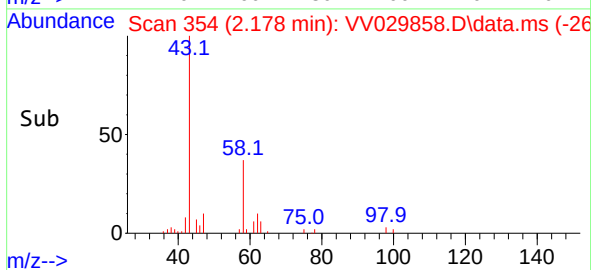
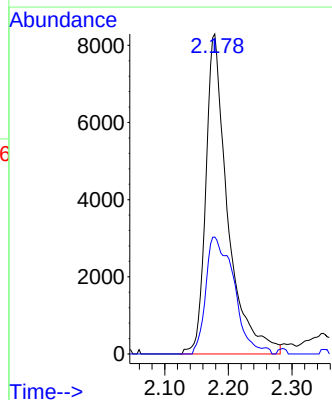
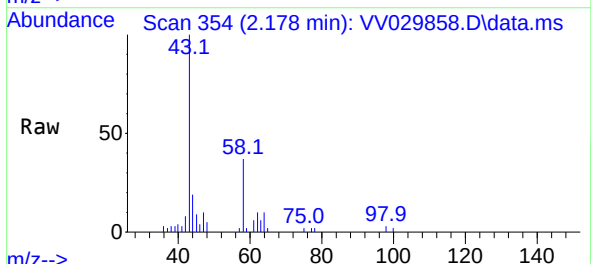
Instrument :
MSVOA_V
ClientSampleId :
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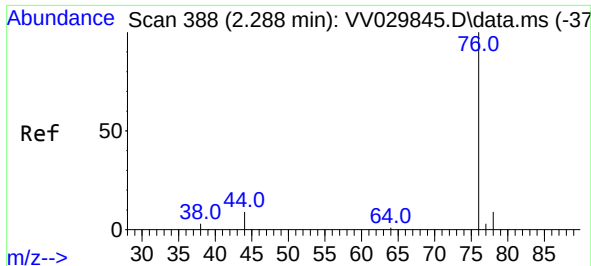
Tgt Ion: 96 Resp: 19630
Ion Ratio Lower Upper
96 100
61 178.3 106.1 197.1
63 308.8 76.4 141.8#



#13
Acetone
Concen: 11.495 ug/L
RT: 2.178 min Scan# 354
Delta R.T. -0.019 min
Lab File: VV029858.D
Acq: 14 Jan 2023 14:48

Tgt Ion: 43 Resp: 19854
Ion Ratio Lower Upper
43 100
58 46.4 0.0 68.8

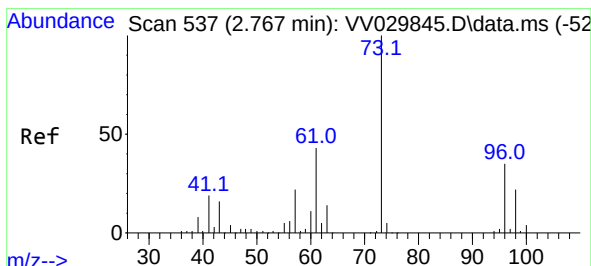
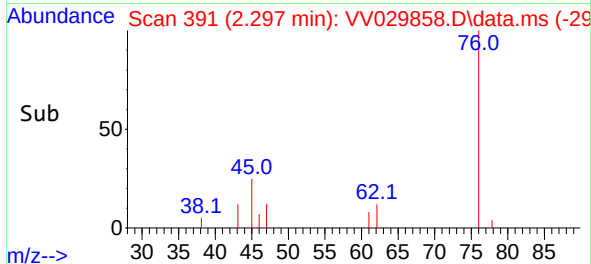
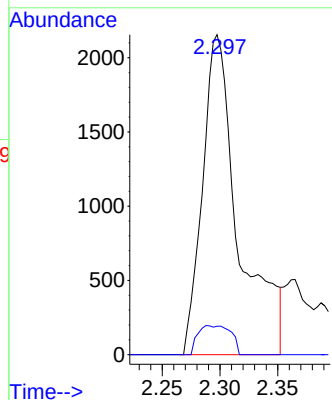
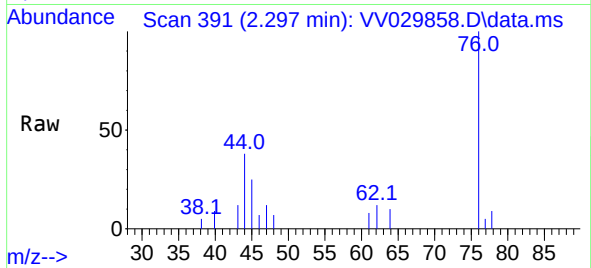




#14
Carbon disulfide
Concen: 0.105 ug/L
RT: 2.297 min Scan# 391
Delta R.T. 0.013 min
Lab File: VV029858.D
Acq: 14 Jan 2023 14:48

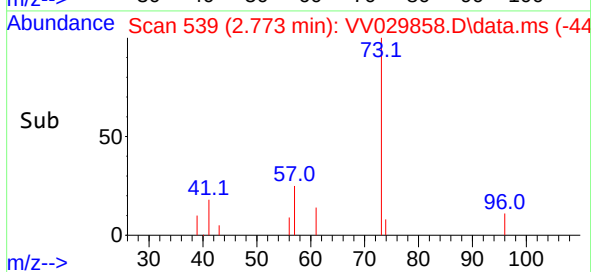
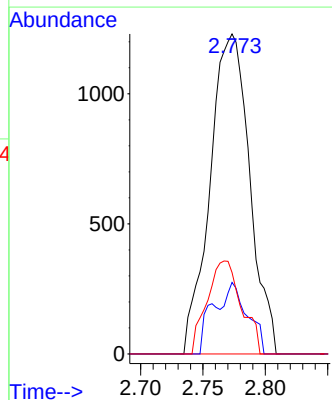
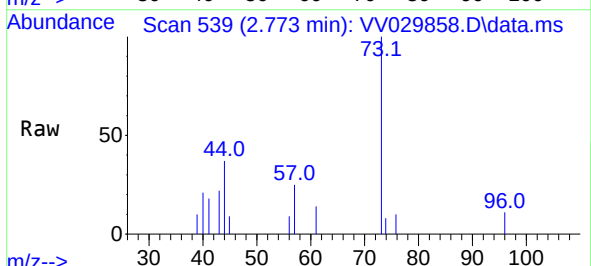
Instrument :
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ClientSampleId :
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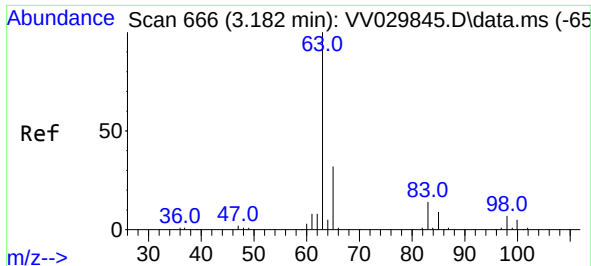
Tgt Ion: 76 Resp: 4654
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0



#17
Methyl tert-butyl Ether
Concen: 0.103 ug/L
RT: 2.773 min Scan# 539
Delta R.T. 0.013 min
Lab File: VV029858.D
Acq: 14 Jan 2023 14:48

Tgt Ion: 73 Resp: 2724
Ion Ratio Lower Upper
73 100
43 12.8 13.0 19.4#
57 25.2 17.1 25.7





#19

1,1-Dichloroethane

Concen: 0.966 ug/L

RT: 3.185 min Scan# 6

Delta R.T. 0.006 min

Lab File: VV029858.D

Acq: 14 Jan 2023 14:48

Instrument :

MSVOA_V

ClientSampleId :

BH1W7

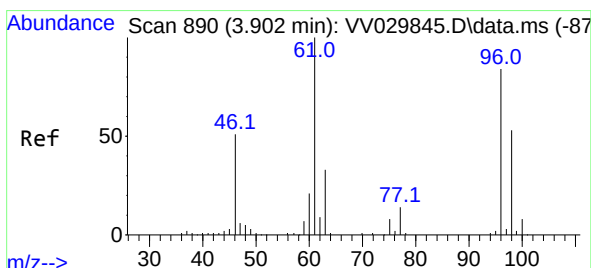
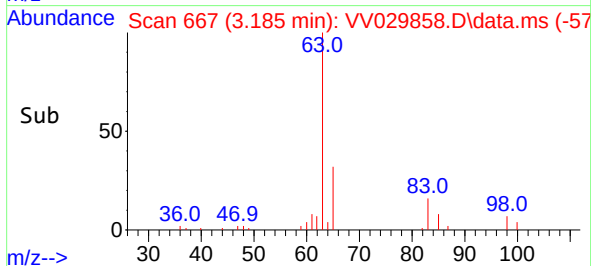
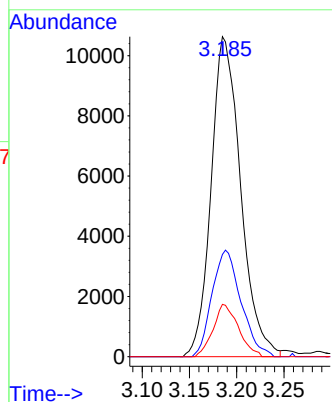
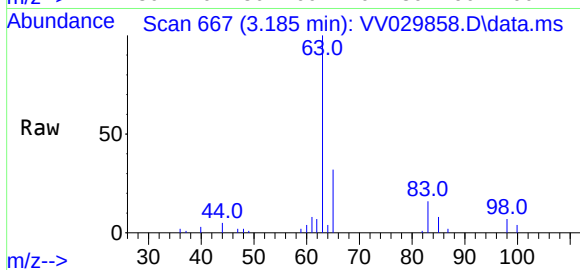
Tgt Ion: 63 Resp: 23100

Ion Ratio Lower Upper

63 100

65 32.0 22.4 41.6

83 16.4 10.2 19.0



#22

cis-1,2-Dichloroethene

Concen: 1.327 ug/L

RT: 3.912 min Scan# 893

Delta R.T. 0.013 min

Lab File: VV029858.D

Acq: 14 Jan 2023 14:48

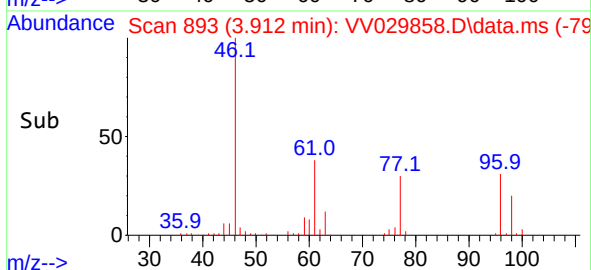
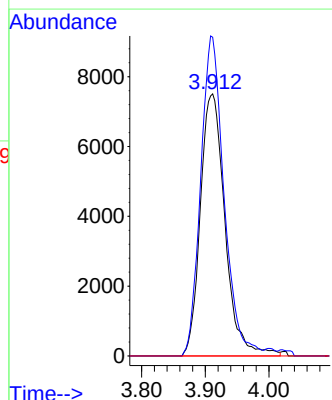
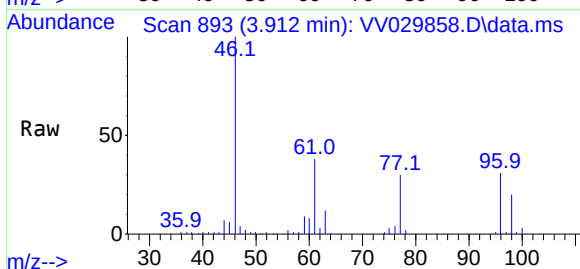
Tgt Ion: 96 Resp: 20207

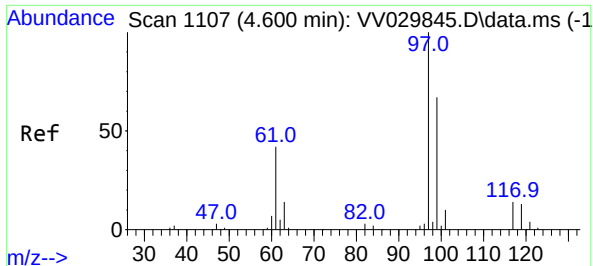
Ion Ratio Lower Upper

96 100

61 121.6 80.0 148.6

68 0.0 0.0 0.0





#29

1,1,1-Trichloroethane

Concen: 0.101 ug/L

RT: 4.609 min Scan# 1107

Delta R.T. 0.013 min

Lab File: VV029858.D

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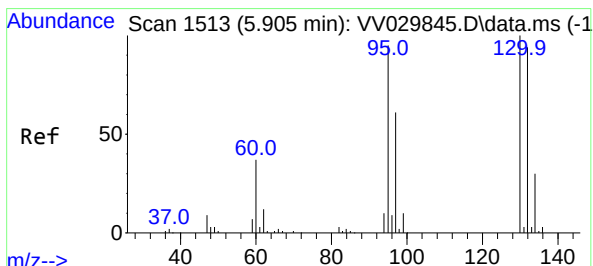
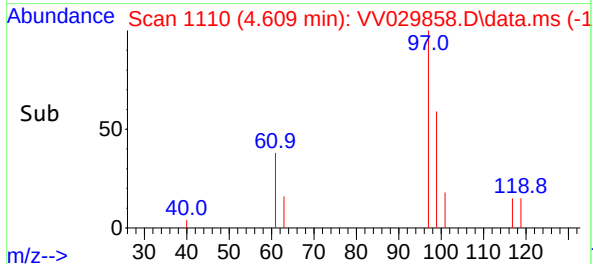
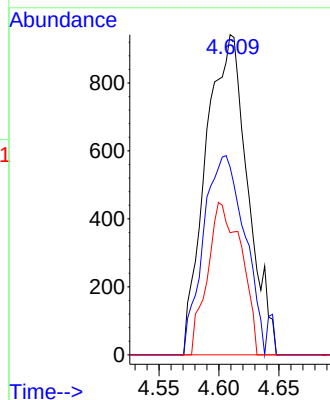
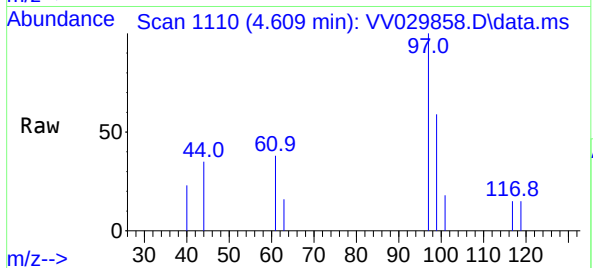
Tgt Ion: 97 Resp: 2288

Ion Ratio Lower Upper

97 100

99 61.2 51.3 76.9

61 38.5 31.6 47.4



#34

Trichloroethene

Concen: 8.975 ug/L

RT: 5.908 min Scan# 1514

Delta R.T. 0.003 min

Lab File: VV029858.D

Acq: 14 Jan 2023 14:48

Tgt Ion: 95 Resp: 131580

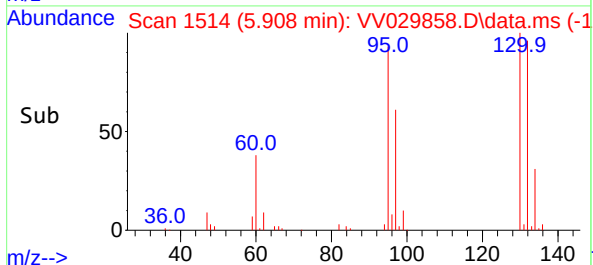
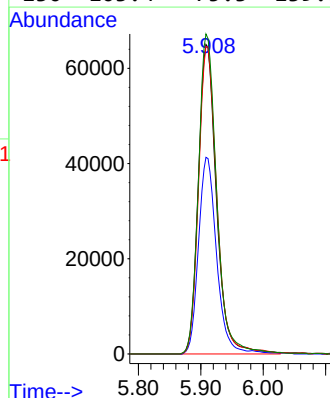
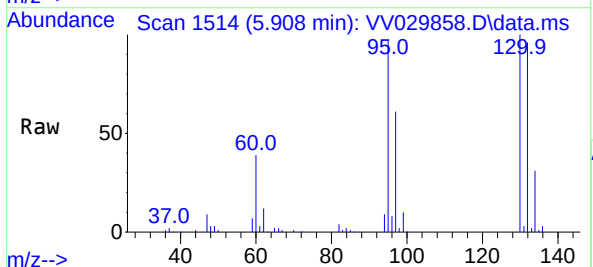
Ion Ratio Lower Upper

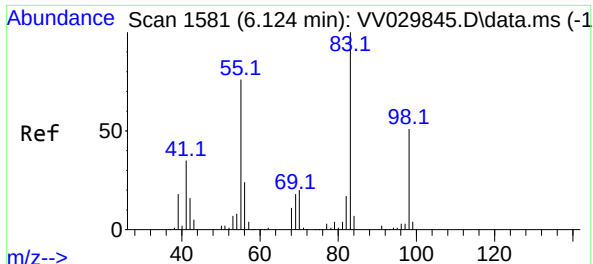
95 100

97 63.6 44.9 83.3

132 99.4 71.8 133.4

130 103.4 75.3 139.8





#35

Methylcyclohexane

Concen: 0.934 ug/L

RT: 6.066 min Scan# 11

Delta R.T. -0.055 min

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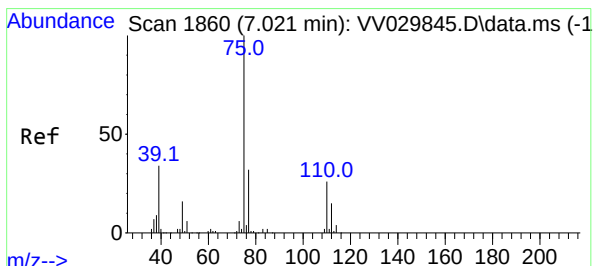
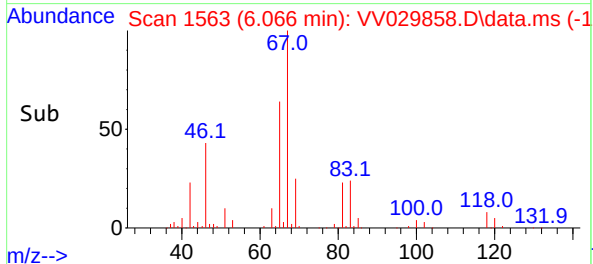
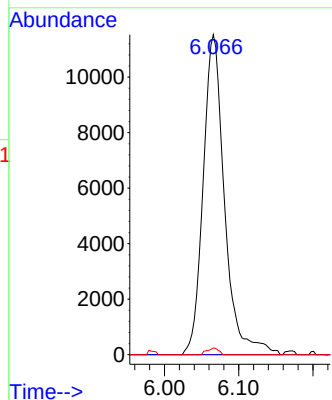
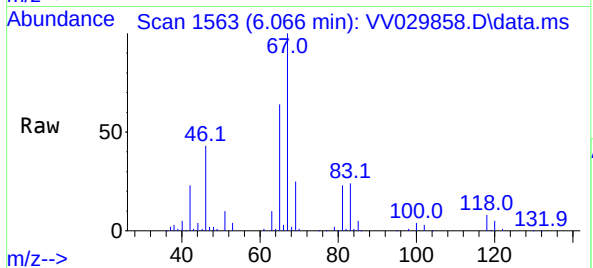
Tgt Ion: 83 Resp: 23105

Ion Ratio Lower Upper

83 100

55 0.0 57.3 85.9#

98 1.1 39.0 58.6#



#39

cis-1,3-Dichloropropene

Concen: 0.106 ug/L

RT: 6.982 min Scan# 1848

Delta R.T. -0.036 min

Lab File: VV029858.D

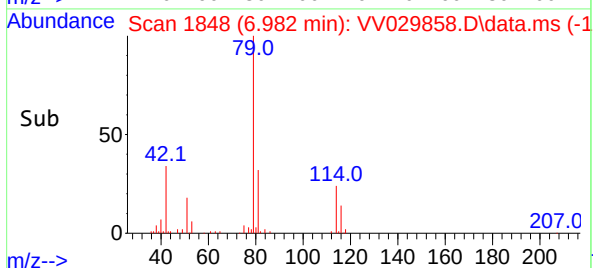
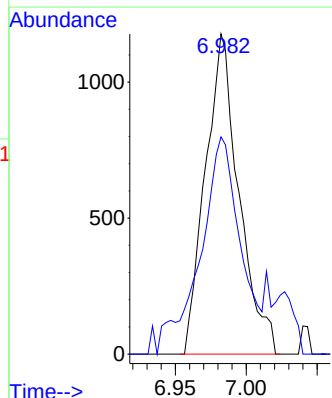
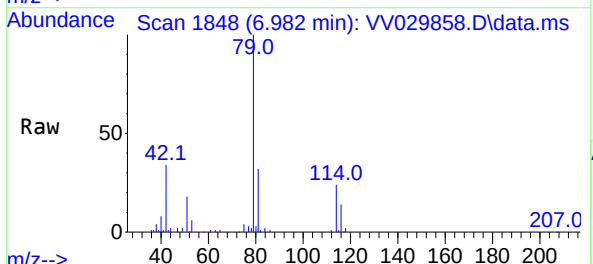
Acq: 14 Jan 2023 14:48

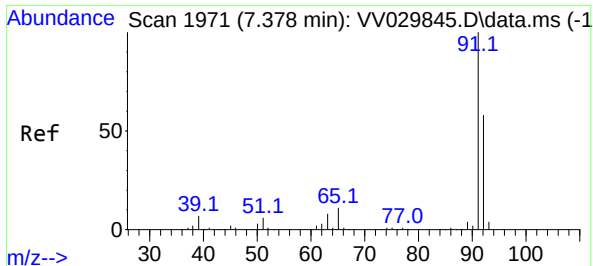
Tgt Ion: 75 Resp: 1934

Ion Ratio Lower Upper

75 100

77 67.9 22.4 41.6#

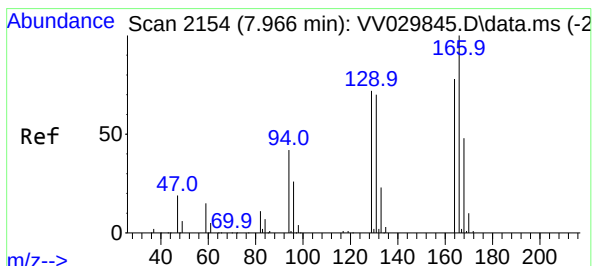
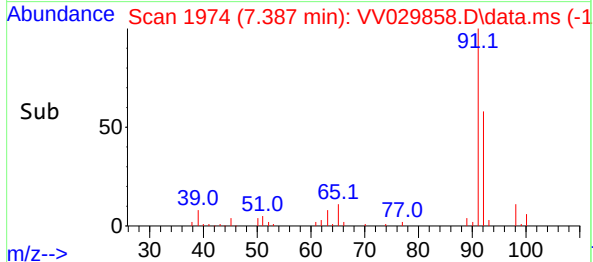
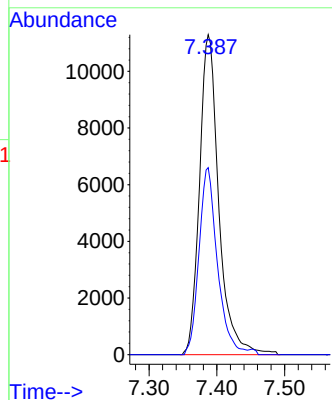
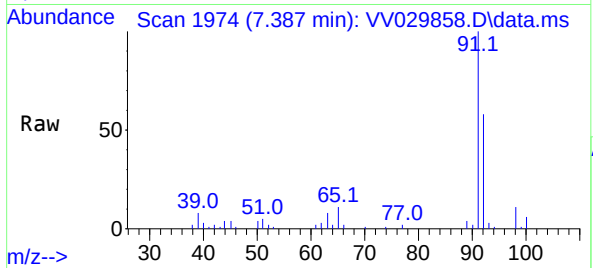




#42
Toluene
Concen: 0.358 ug/L
RT: 7.387 min Scan# 1971
Delta R.T. 0.009 min
Lab File: VV029858.D
Acq: 14 Jan 2023 14:48

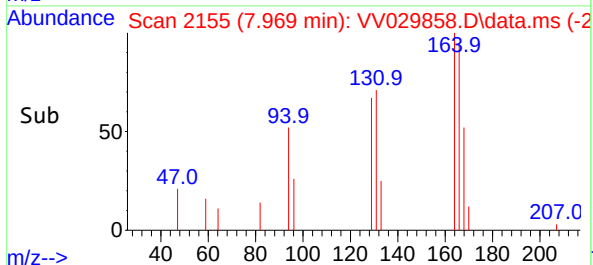
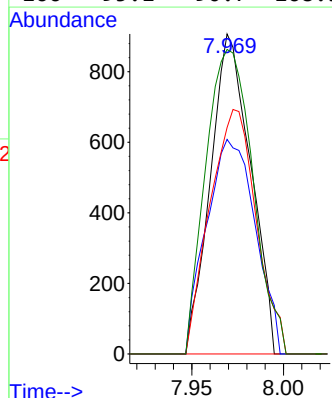
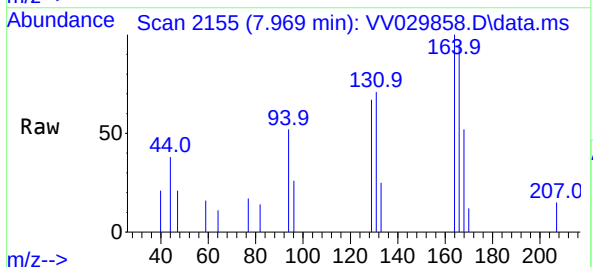
Instrument :
MSVOA_V
ClientSampleId :
BH1W7

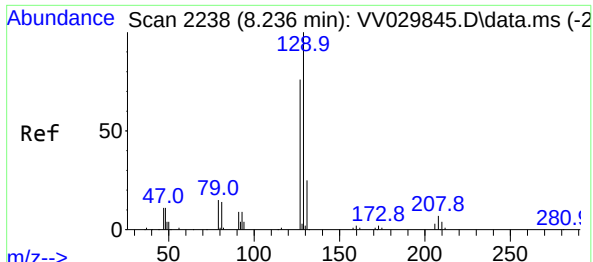
Tgt Ion: 91 Resp: 22350
Ion Ratio Lower Upper
91 100
92 58.5 40.6 75.4



#47
Tetrachloroethene
Concen: 0.112 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. 0.003 min
Lab File: VV029858.D
Acq: 14 Jan 2023 14:48

Tgt Ion: 164 Resp: 1383
Ion Ratio Lower Upper
164 100
129 67.0 64.5 119.7
131 70.8 62.9 116.7
166 95.1 90.7 168.5





#49

Dibromochloromethane

Concen: 0.099 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.267 min

Lab File: VV029858.D

Acq: 14 Jan 2023 14:48

Instrument :

MSVOA_V

ClientSampleId :

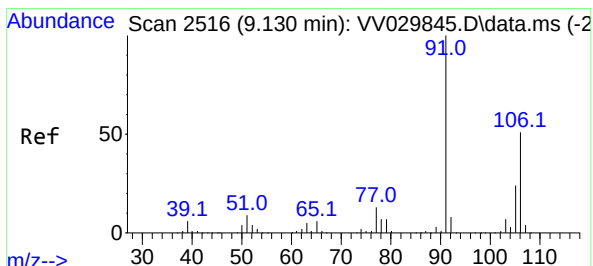
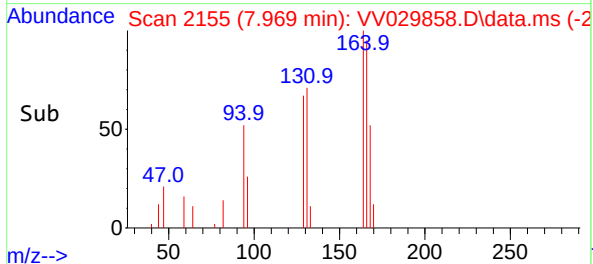
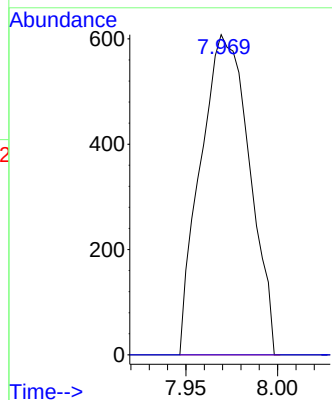
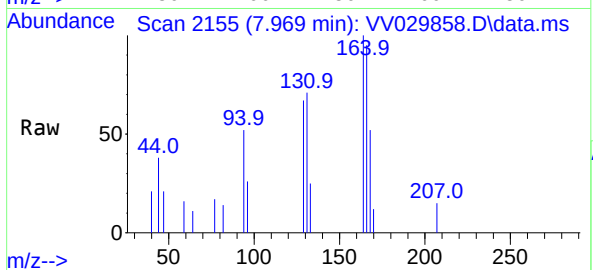
BH1W7

Tgt Ion:129 Resp: 1129

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#



#53

m,p-Xylene

Concen: 0.088 ug/L

RT: 9.136 min Scan# 2518

Delta R.T. 0.006 min

Lab File: VV029858.D

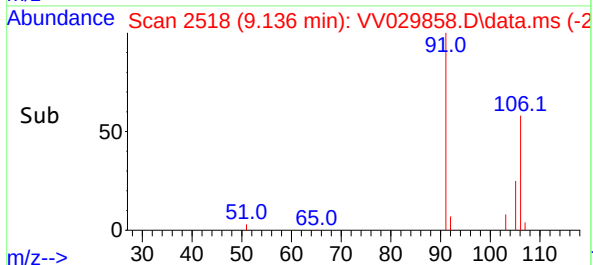
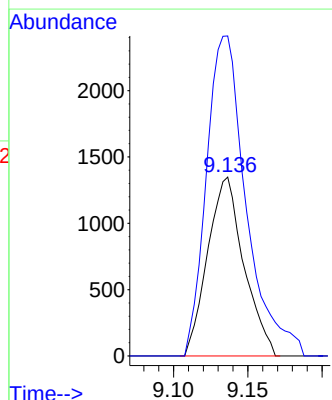
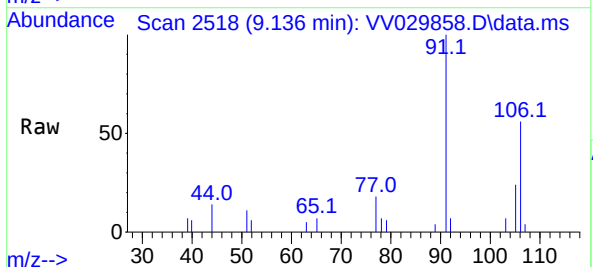
Acq: 14 Jan 2023 14:48

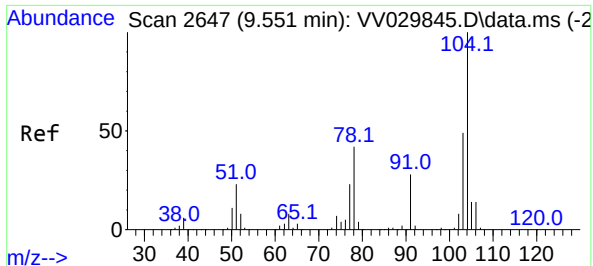
Tgt Ion:106 Resp: 2286

Ion Ratio Lower Upper

106 100

91 178.9 138.7 257.7

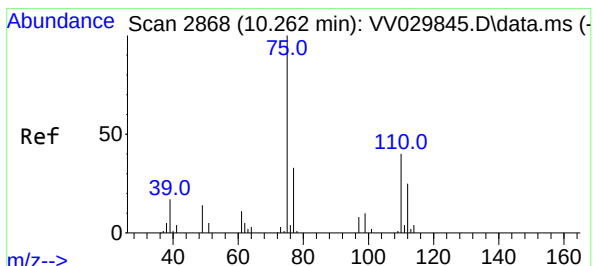
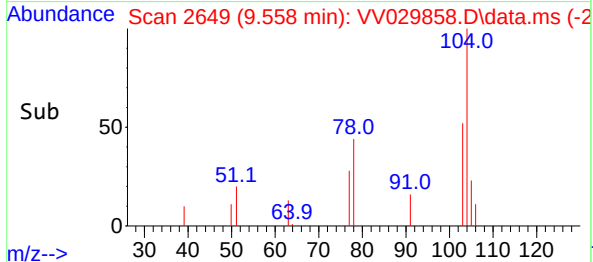
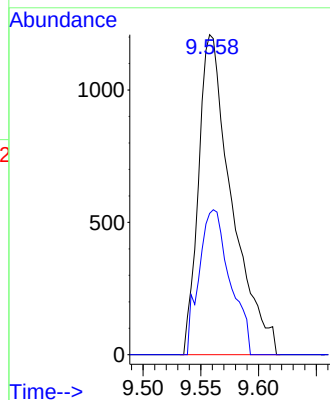
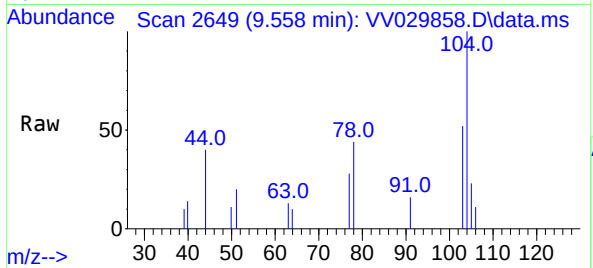




#55
Styrene
Concen: 0.057 ug/L
RT: 9.558 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV029858.D
Acq: 14 Jan 2023 14:48

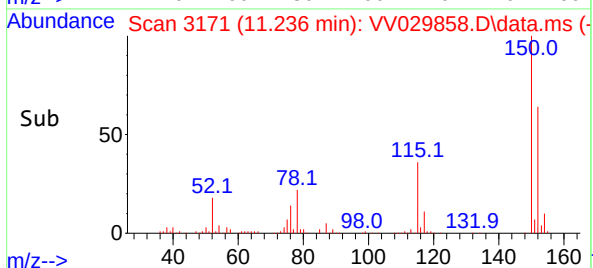
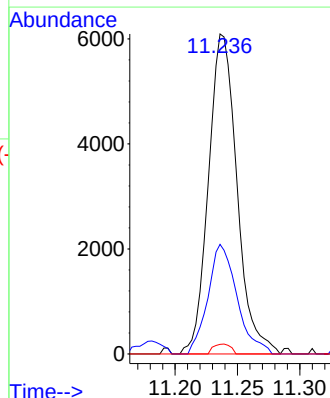
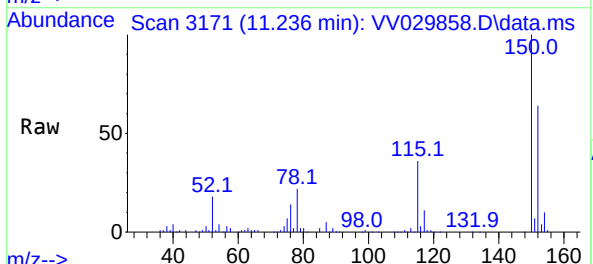
Instrument :
MSVOA_V
ClientSampleId :
BH1W7

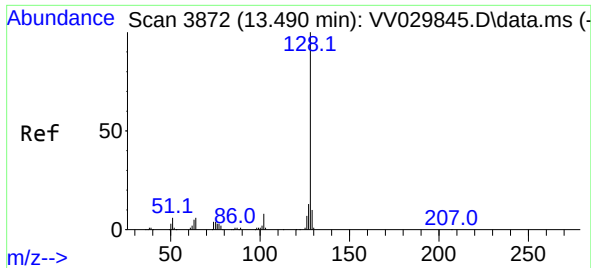
Tgt Ion:104 Resp: 2415
Ion Ratio Lower Upper
104 100
78 44.2 28.6 53.2



#61
1,2,3-Trichloropropane
Concen: 1.463 ug/L
RT: 11.236 min Scan# 3171
Delta R.T. 0.974 min
Lab File: VV029858.D
Acq: 14 Jan 2023 14:48

Tgt Ion: 75 Resp: 9723
Ion Ratio Lower Upper
75 100
77 34.9 26.5 39.7
110 1.9 31.8 47.8#





#71
Naphthalene
Concen: 0.189 ug/L
RT: 13.493 min Scan# 3873
Delta R.T. 0.003 min
Lab File: VV029858.D
Acq: 14 Jan 2023 14:48

Instrument :
MSVOA_V
ClientSampleId :
BH1W7

Tgt Ion:	128	Resp:	4481
Ion	Ratio	Lower	Upper
128	100		
129	9.3	8.6	12.8
127	10.1	10.0	15.0

