

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW032322\
 Data File : VW025136.D
 Acq On : 23 Mar 2022 16:43
 Operator : SY/MD
 Sample : N2083-03
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 24 01:17:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Mar 24 01:12:55 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	125230	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	118596	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	53621	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	40408	4.087	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	81.800%	
7) Chloroethane-d5	1.571	69	35549	4.910	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	98.200%	
11) 1,1-Dichloroethene-d2	2.111	63	53881	3.372	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	67.400%	
20) 2-Butanone-d5	3.899	46	85340	71.423	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	142.840%#	
24) Chloroform-d	4.349	84	84979	5.182	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	103.600%	
26) 1,2-Dichloroethane-d4	5.034	65	38258	5.581	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	111.600%	
32) Benzene-d6	5.053	84	168306	4.892	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	97.800%	
36) 1,2-Dichloropropane-d6	6.072	67	52733	5.330	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	106.600%	
41) Toluene-d8	7.317	98	141479	4.512	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	90.200%	
43) trans-1,3-Dichloroprop...	7.625	79	14593	4.231	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	84.600%	
46) 2-Hexanone-d5	8.088	63	70234	59.705	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	119.400%	
56) 1,1,2,2-Tetrachloroeth...	10.214	84	35223	6.052	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	121.000%#	
66) 1,2-Dichlorobenzene-d4	11.625	152	49130	5.412	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	108.200%	
Target Compounds						
					Qvalue	
8) Chloroethane	1.526	64	23476	3.516	ug/L #	51
12) 1,1-Dichloroethene	2.117	96	1122	0.141	ug/L #	1
17) Methyl tert-butyl Ether	2.770	73	4010	0.231	ug/L	97
18) trans-1,2-Dichloroethene	2.770	96	1009	0.105	ug/L	81
19) 1,1-Dichloroethane	3.195	63	4336	0.265	ug/L	96
22) cis-1,2-Dichloroethene	3.915	96	12929	1.334	ug/L	96
25) Chloroform	4.378	83	8564	0.503	ug/L	99
27) 1,2-Dichloroethane	5.050	62	866	0.102	ug/L #	71
29) 1,1,1-Trichloroethane	4.612	97	51178	3.384	ug/L	99
31) Carbon tetrachloride	4.831	117	22056	1.700	ug/L	100
34) Trichloroethene	5.918	95	18300	1.782	ug/L	98
35) Methylcyclohexane	6.069	83	12267	0.754	ug/L #	21
37) 1,2-Dichloropropane	6.069	63	5087	0.574	ug/L #	86
39) cis-1,3-Dichloropropene	6.985	75	998	0.081	ug/L #	60
42) Toluene	7.394	91	18962	0.470	ug/L	96
47) Tetrachloroethene	7.976	164	15926	2.204	ug/L	96
49) Dibromochloromethane	7.976	129	16476	2.486	ug/L #	10
52) Ethylbenzene	9.021	91	1908	0.045	ug/L	92
53) m,p-xylene	9.140	106	2591	0.158	ug/L	95

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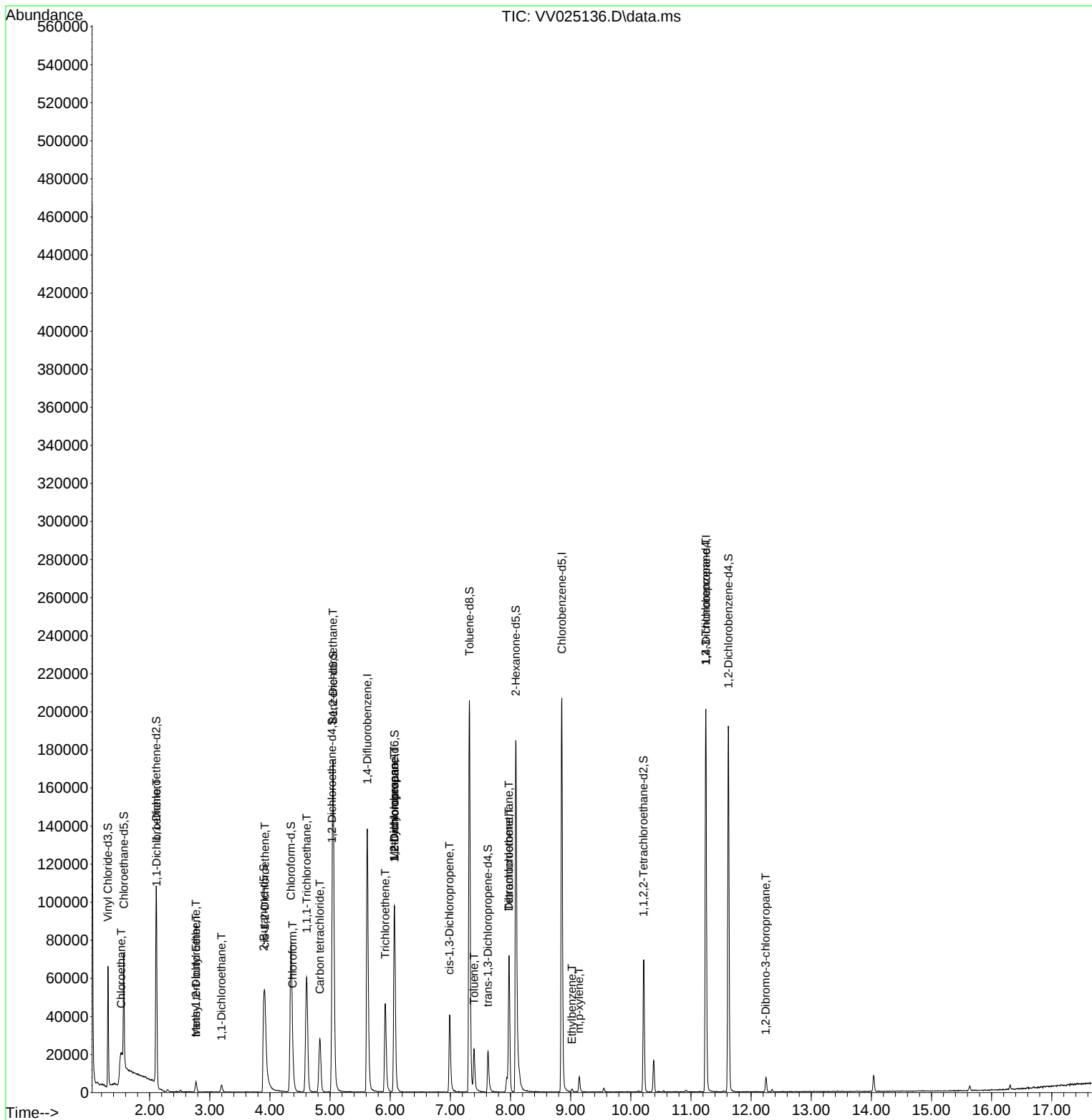
Instrument :
MSVOA_V
ClientSampleId :

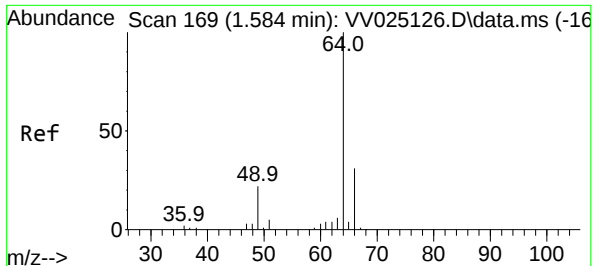
Quant Time: Mar 24 01:17:39 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031522WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Mar 24 01:12:55 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.246	75	6652	1.475	ug/L #	65
68) 1,2-Dibromo-3-chloropr...	12.242	75	220	0.285	ug/L #	1

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

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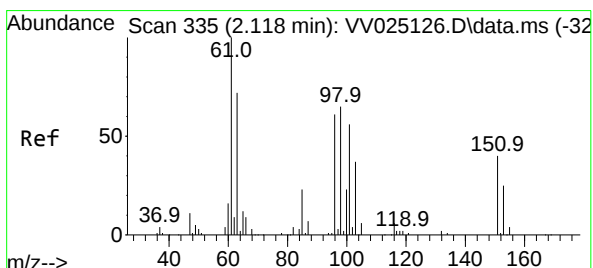
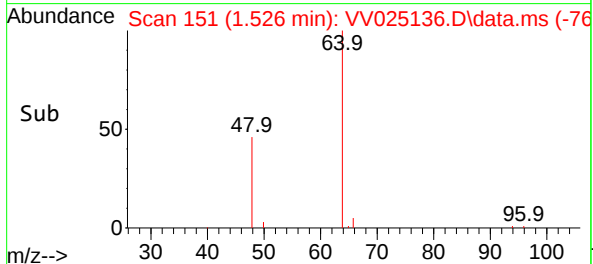
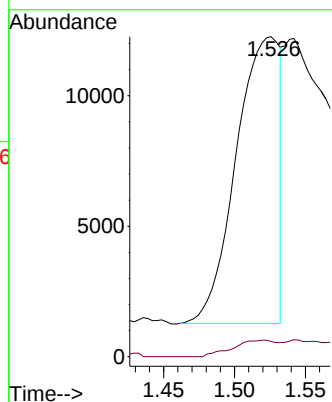
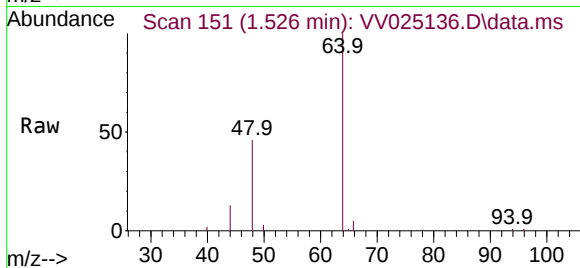




#8
Chloroethane
Concen: 3.516 ug/L
RT: 1.526 min Scan# 11
Delta R.T. -0.058 min
Lab File: VV025136.D
Acq: 23 Mar 2022 16:43

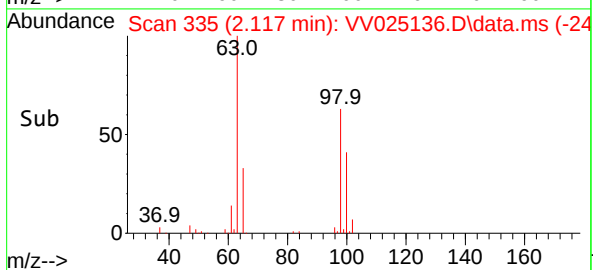
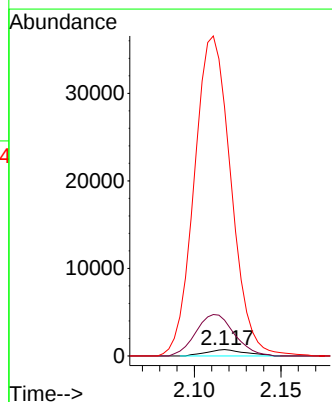
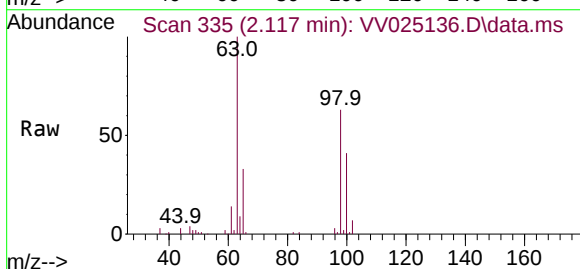
Instrument :
MSVOA_V
ClientSampleId :

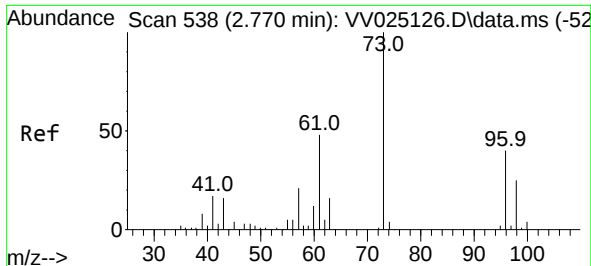
Tgt Ion: 64 Resp: 23476
Ion Ratio Lower Upper
64 100
66 4.8 22.5 41.7#



#12
1,1-Dichloroethene
Concen: 0.141 ug/L
RT: 2.117 min Scan# 335
Delta R.T. -0.000 min
Lab File: VV025136.D
Acq: 23 Mar 2022 16:43

Tgt Ion: 96 Resp: 1122
Ion Ratio Lower Upper
96 100
61 563.5 113.0 209.9#
63 3915.3 82.1 152.5#





#17

Methyl tert-butyl Ether

Concen: 0.231 ug/L

RT: 2.770 min Scan# 51

Delta R.T. -0.000 min

Lab File: VV025136.D

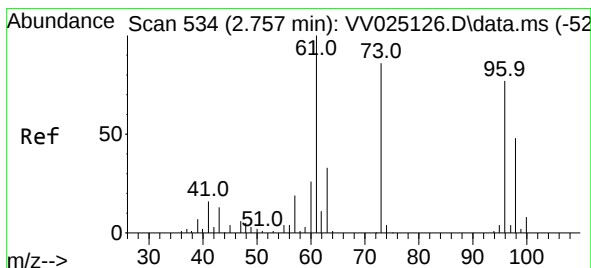
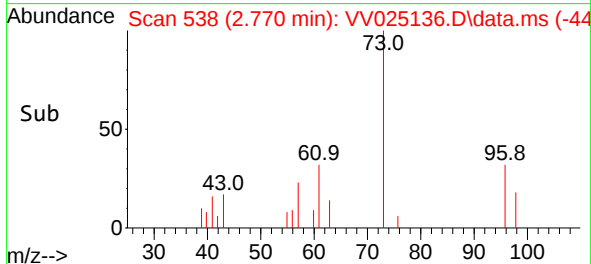
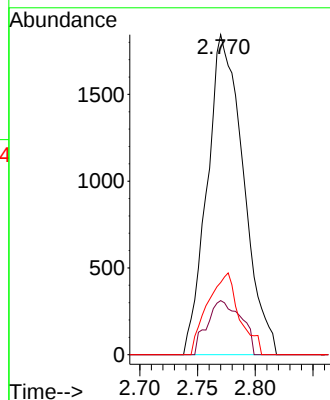
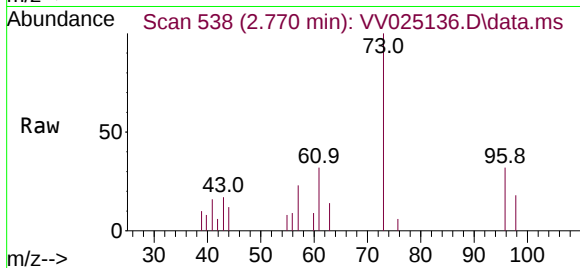
Acq: 23 Mar 2022 16:43

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 73	Resp:	4010
Ion	Ratio	Lower Upper
73	100	
43	15.9	13.2 19.8
57	22.6	16.7 25.1



#18

trans-1,2-Dichloroethene

Concen: 0.105 ug/L

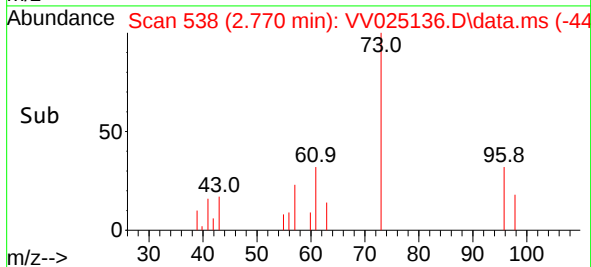
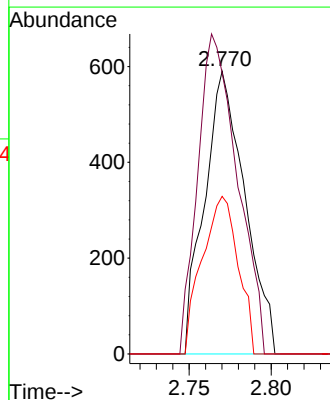
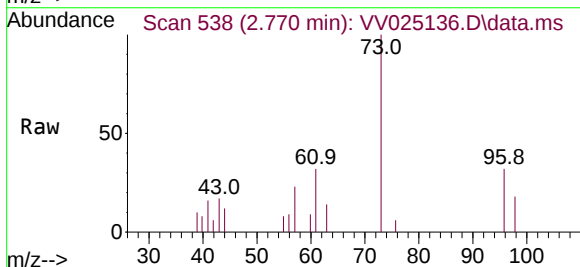
RT: 2.770 min Scan# 538

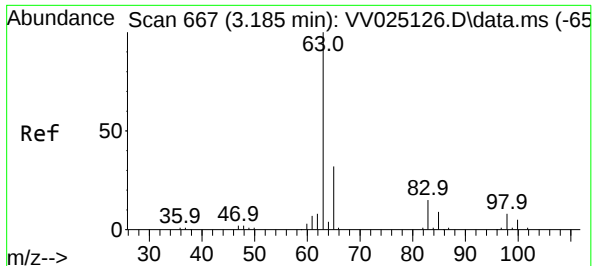
Delta R.T. 0.013 min

Lab File: VV025136.D

Acq: 23 Mar 2022 16:43

Tgt Ion: 96	Resp:	1009
Ion	Ratio	Lower Upper
96	100	
61	99.5	89.2 165.6
98	55.8	43.9 81.5





#19

1,1-Dichloroethane

Concen: 0.265 ug/L

RT: 3.195 min Scan# 6

Delta R.T. 0.009 min

Lab File: VV025136.D

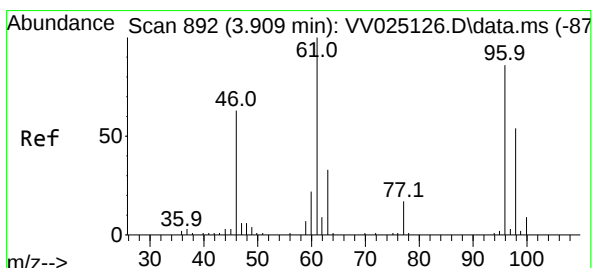
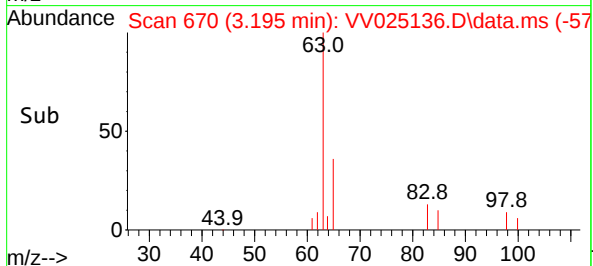
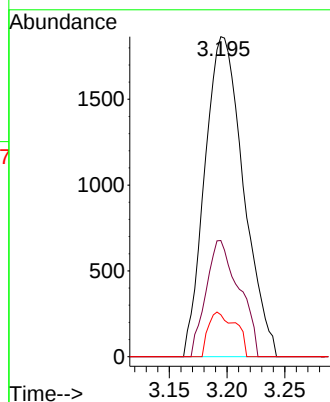
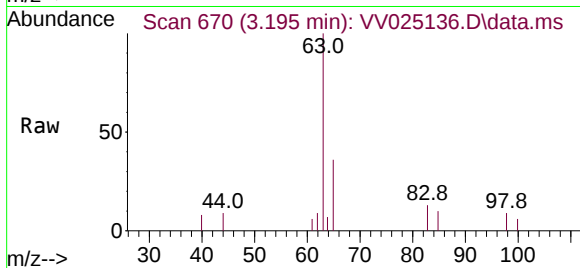
Acq: 23 Mar 2022 16:43

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	63	Resp:	4336
Ion	Ratio	Lower	Upper
63	100		
65	34.0	22.2	41.2
83	12.3	9.4	17.4



#22

cis-1,2-Dichloroethene

Concen: 1.334 ug/L

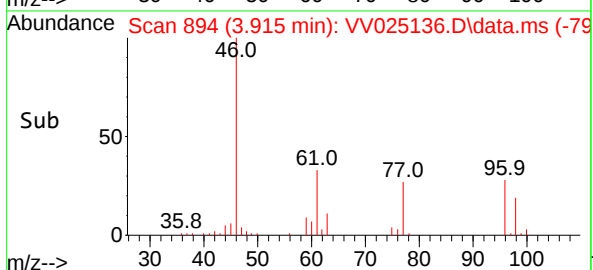
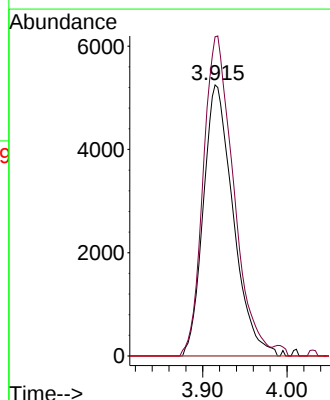
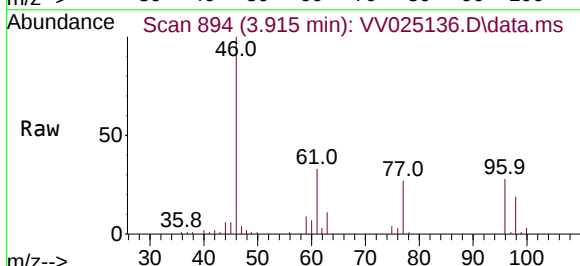
RT: 3.915 min Scan# 894

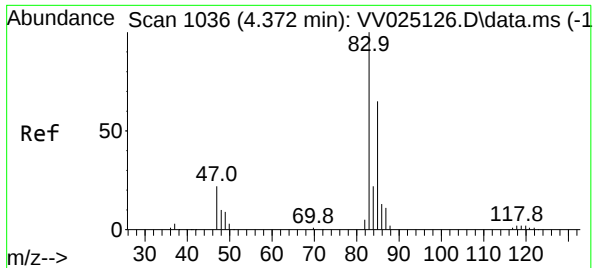
Delta R.T. 0.006 min

Lab File: VV025136.D

Acq: 23 Mar 2022 16:43

Tgt Ion:	96	Resp:	12929
Ion	Ratio	Lower	Upper
96	100		
61	117.7	79.7	147.9
68	0.0	0.0	0.0

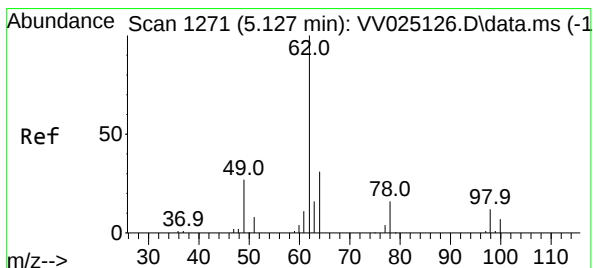
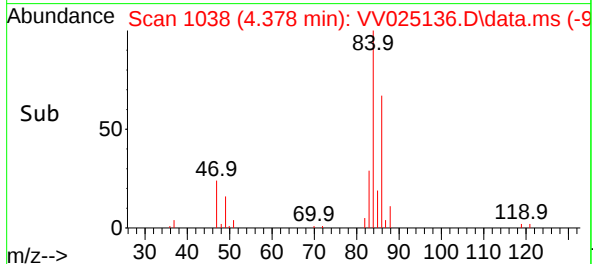
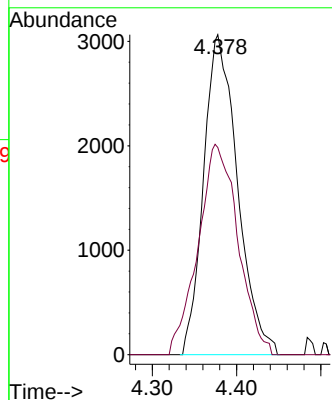
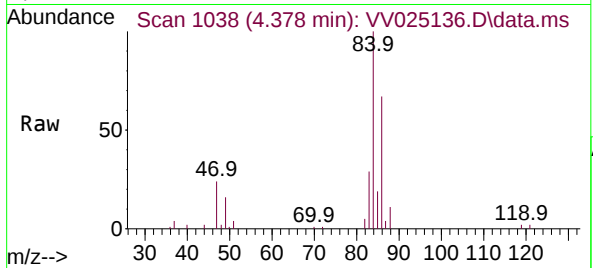




#25
Chloroform
Concen: 0.503 ug/L
RT: 4.378 min Scan# 1036
Delta R.T. 0.006 min
Lab File: VV025136.D
Acq: 23 Mar 2022 16:43

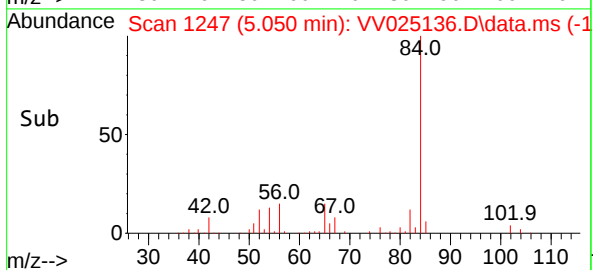
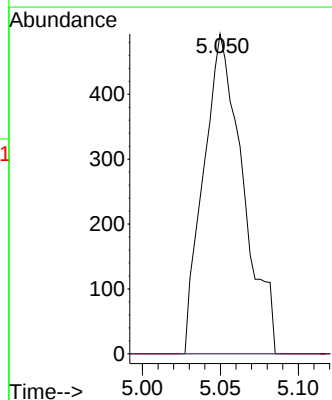
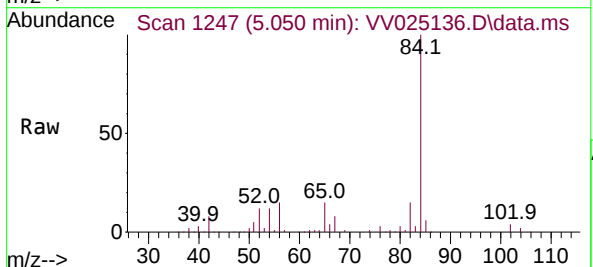
Instrument :
MSVOA_V
ClientSampleId :

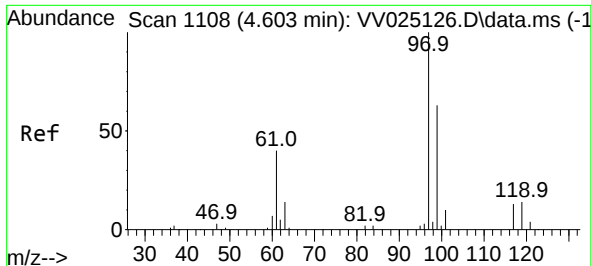
Tgt Ion: 83 Resp: 8564
Ion Ratio Lower Upper
83 100
85 64.8 44.5 82.7



#27
1,2-Dichloroethane
Concen: 0.102 ug/L
RT: 5.050 min Scan# 1247
Delta R.T. -0.077 min
Lab File: VV025136.D
Acq: 23 Mar 2022 16:43

Tgt Ion: 62 Resp: 866
Ion Ratio Lower Upper
62 100
98 0.0 9.0 13.4#





#29

1,1,1-Trichloroethane

Concen: 3.384 ug/L

RT: 4.612 min Scan# 1111

Delta R.T. 0.009 min

Lab File: VV025136.D

Acq: 23 Mar 2022 16:43

Instrument :

MSVOA_V

ClientSampleId :

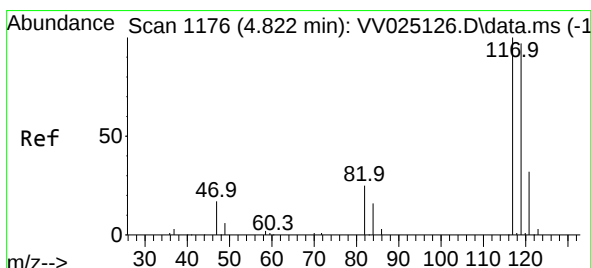
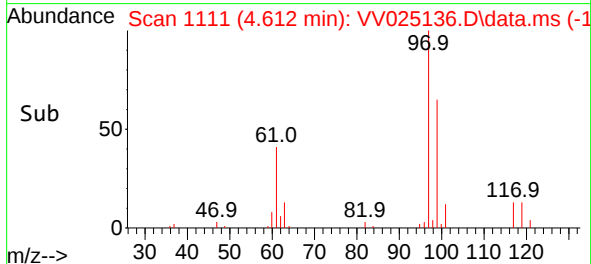
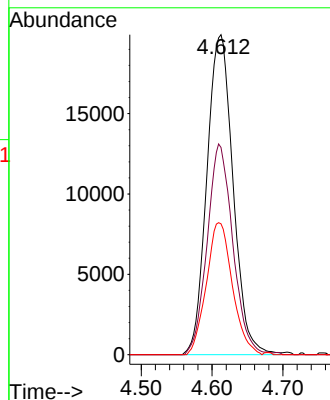
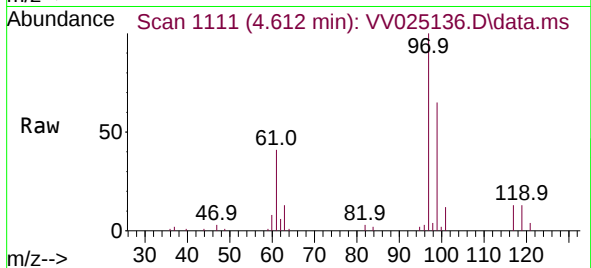
Tgt Ion: 97 Resp: 51178

Ion Ratio Lower Upper

97 100

99 64.4 50.7 76.1

61 40.9 32.4 48.6



#31

Carbon tetrachloride

Concen: 1.700 ug/L

RT: 4.831 min Scan# 1179

Delta R.T. 0.009 min

Lab File: VV025136.D

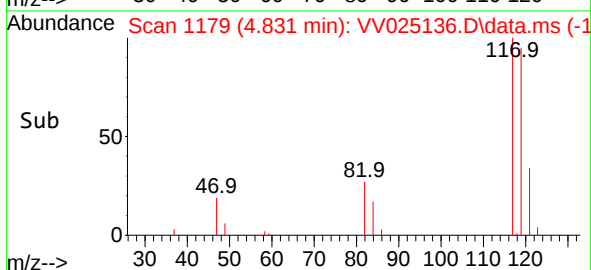
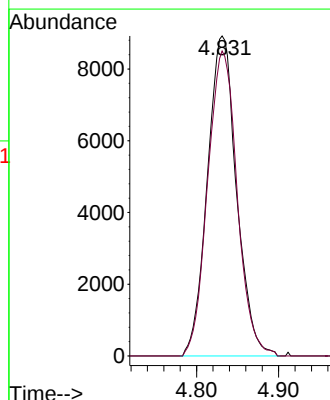
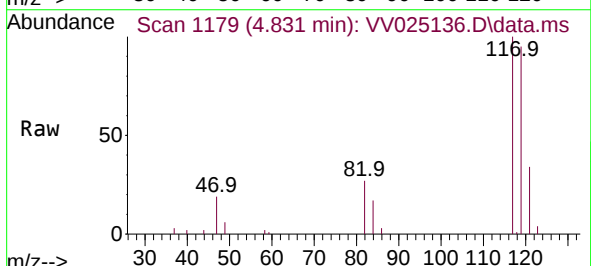
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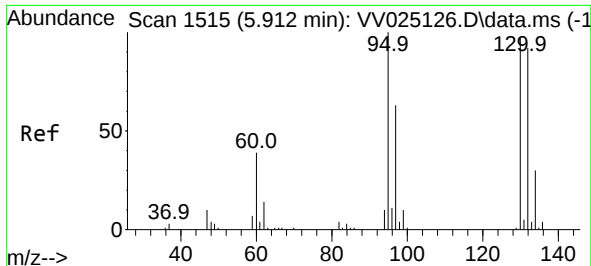
Tgt Ion: 117 Resp: 22056

Ion Ratio Lower Upper

117 100

119 96.3 76.8 115.2

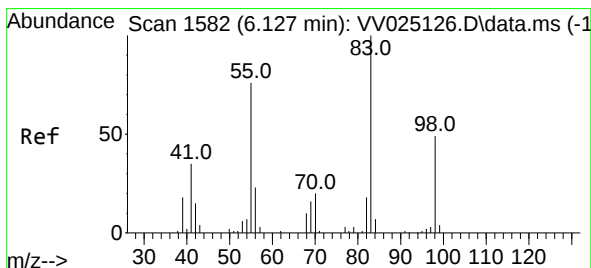
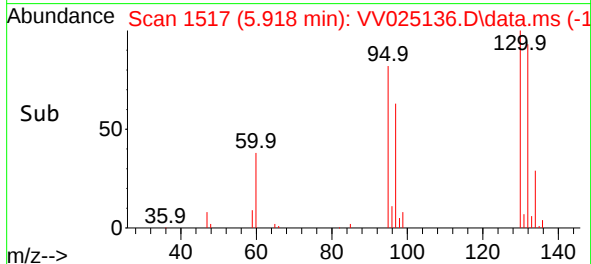
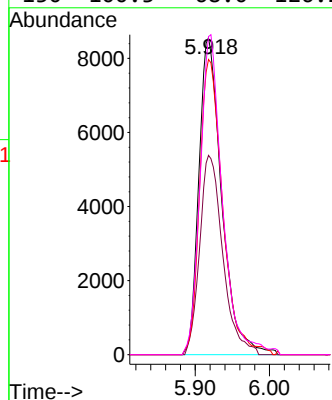
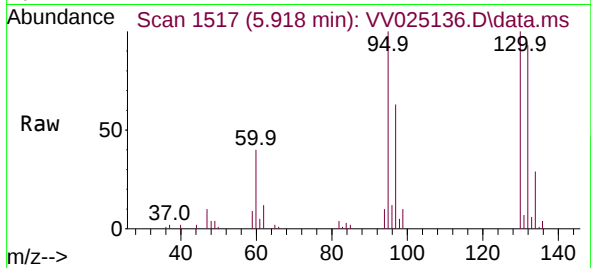




#34
Trichloroethene
Concen: 1.782 ug/L
RT: 5.918 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV025136.D
Acq: 23 Mar 2022 16:43

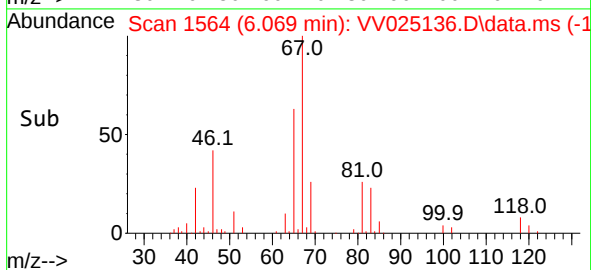
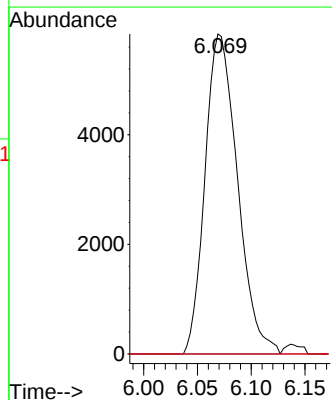
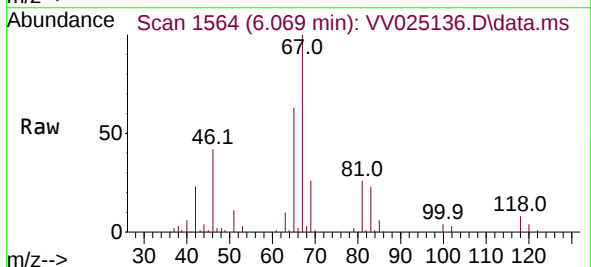
Instrument :
MSVOA_V
ClientSampleId :

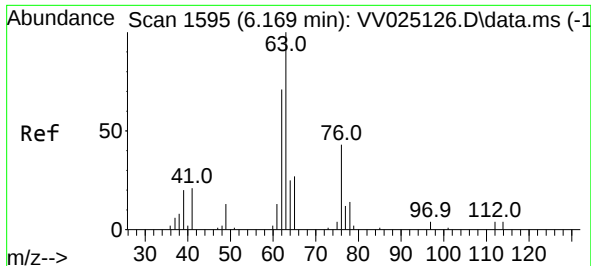
Tgt Ion: 95 Resp: 18300
Ion Ratio Lower Upper
95 100
97 62.9 44.5 82.7
132 93.1 66.5 123.5
130 100.3 68.0 126.2



#35
Methylcyclohexane
Concen: 0.754 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.058 min
Lab File: VV025136.D
Acq: 23 Mar 2022 16:43

Tgt Ion: 83 Resp: 12267
Ion Ratio Lower Upper
83 100
55 0.0 55.4 83.0#
98 0.3 38.4 57.6#





#37

1,2-Dichloropropane

Concen: 0.574 ug/L

RT: 6.069 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV025136.D

Acq: 23 Mar 2022 16:43

Instrument :

MSVOA_V

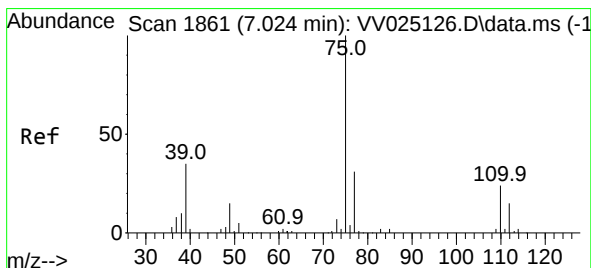
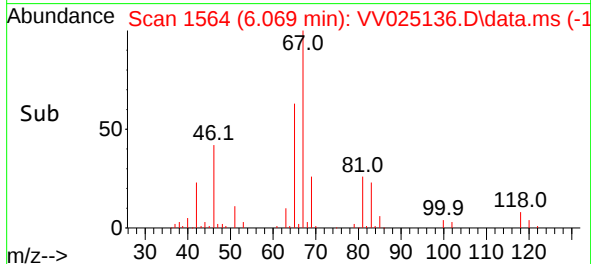
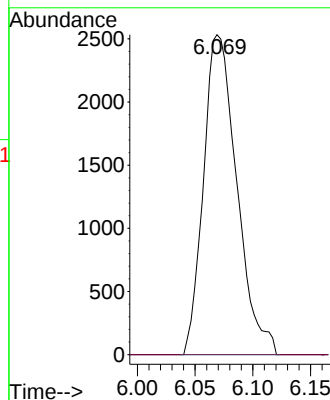
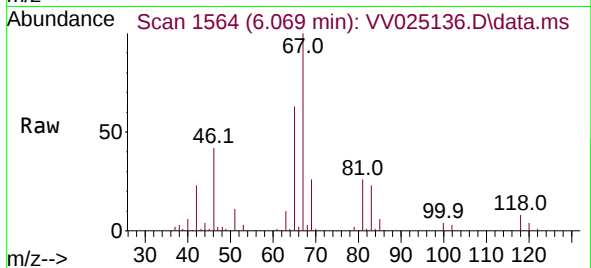
ClientSampleId :

Tgt Ion: 63 Resp: 5087

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.081 ug/L

RT: 6.985 min Scan# 1849

Delta R.T. -0.039 min

Lab File: VV025136.D

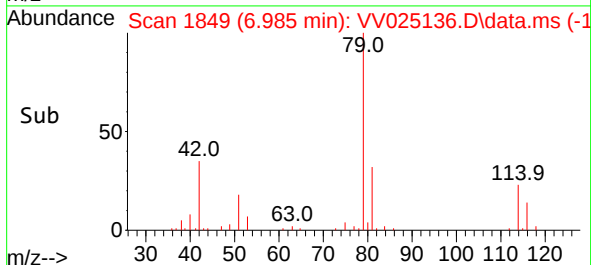
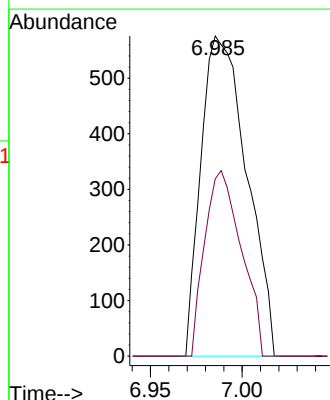
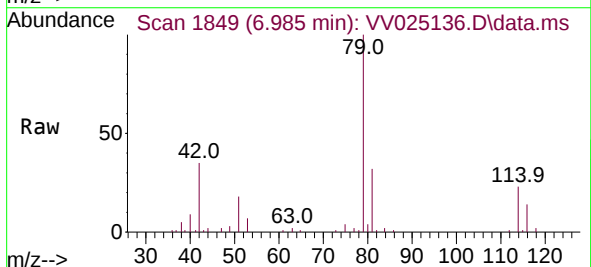
Acq: 23 Mar 2022 16:43

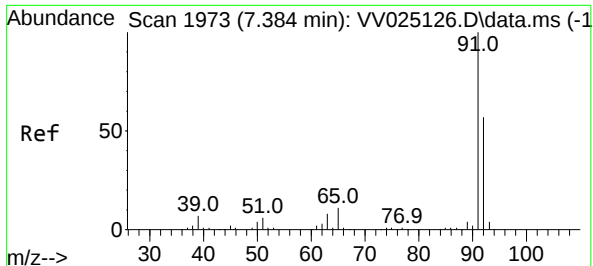
Tgt Ion: 75 Resp: 998

Ion Ratio Lower Upper

75 100

77 55.4 23.0 42.8#

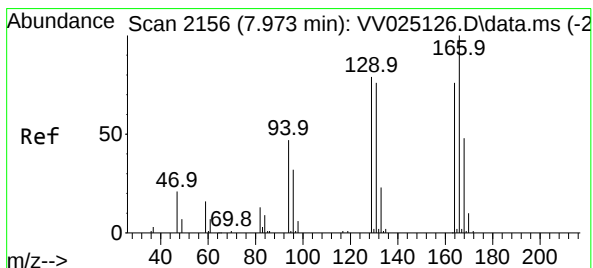
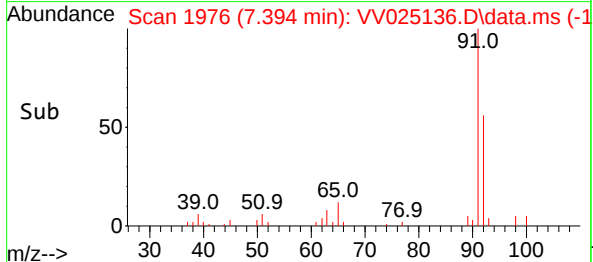
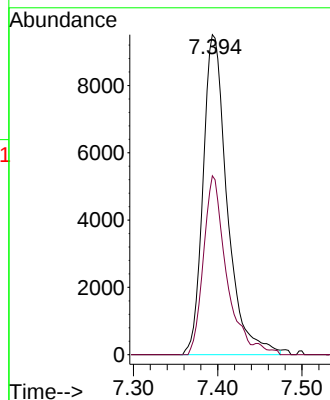
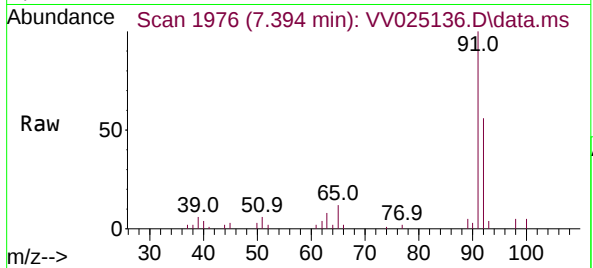




#42
Toluene
Concen: 0.470 ug/L
RT: 7.394 min Scan# 1973
Delta R.T. 0.009 min
Lab File: VV025136.D
Acq: 23 Mar 2022 16:43

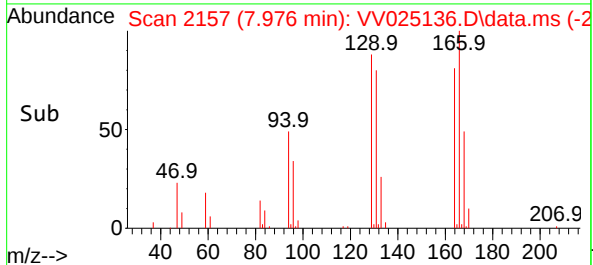
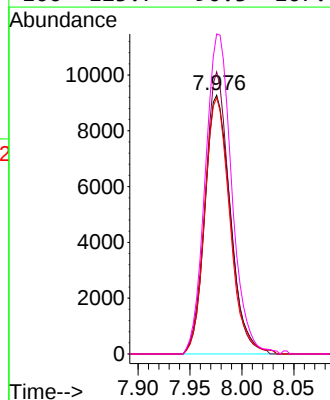
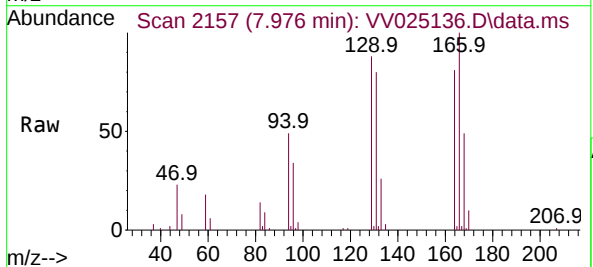
Instrument :
MSVOA_V
ClientSampleId :

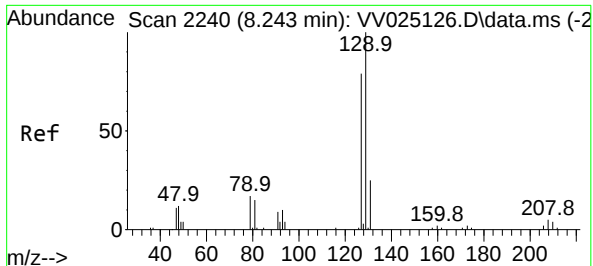
Tgt Ion: 91 Resp: 18962
Ion Ratio Lower Upper
91 100
92 55.9 41.2 76.4



#47
Tetrachloroethene
Concen: 2.204 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.003 min
Lab File: VV025136.D
Acq: 23 Mar 2022 16:43

Tgt Ion: 164 Resp: 15926
Ion Ratio Lower Upper
164 100
129 109.0 70.3 130.7
131 99.1 69.4 129.0
166 123.7 90.3 167.7





#49

Dibromochloromethane

Concen: 2.486 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.267 min

Lab File: VV025136.D

Acq: 23 Mar 2022 16:43

Instrument :

MSVOA_V

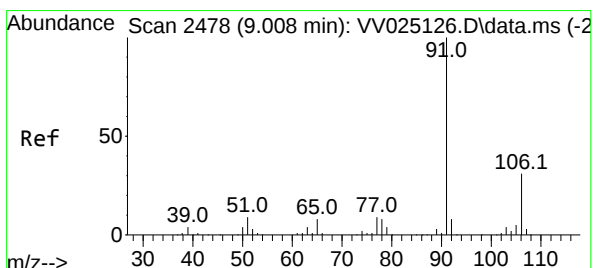
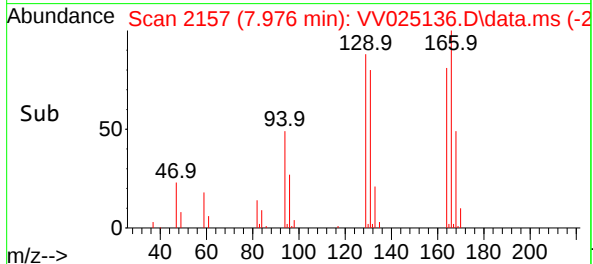
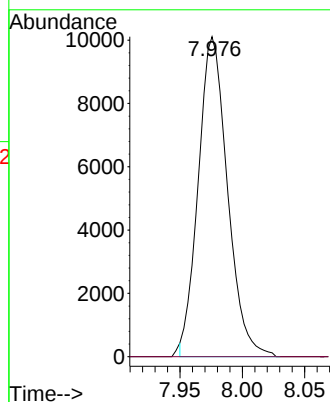
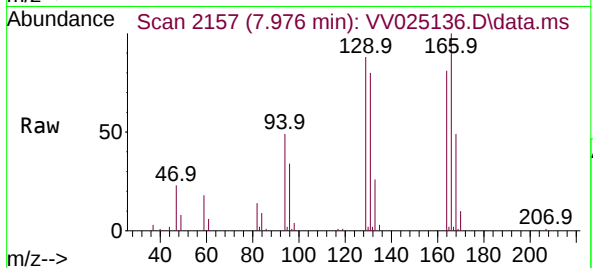
ClientSampleId :

Tgt Ion:129 Resp: 16476

Ion Ratio Lower Upper

129 100

127 0.0 54.9 102.1#



#52

Ethylbenzene

Concen: 0.045 ug/L

RT: 9.021 min Scan# 2482

Delta R.T. 0.013 min

Lab File: VV025136.D

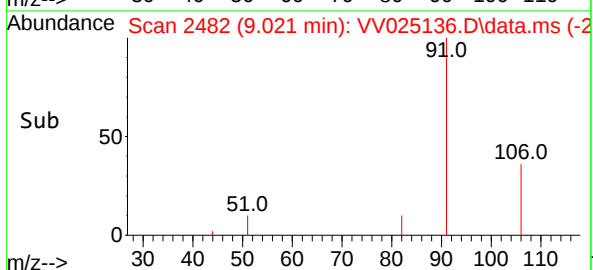
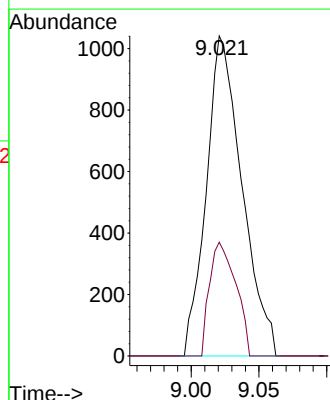
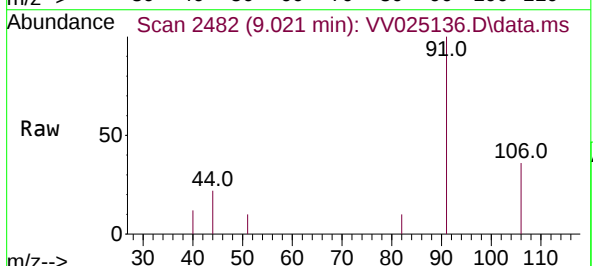
Acq: 23 Mar 2022 16:43

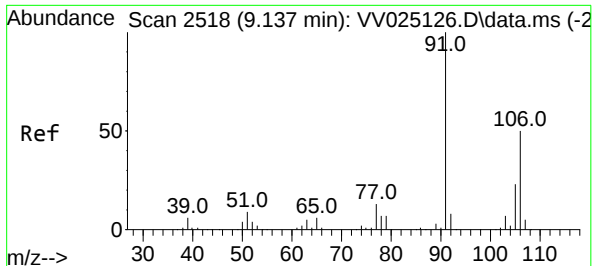
Tgt Ion: 91 Resp: 1908

Ion Ratio Lower Upper

91 100

106 35.5 21.9 40.7

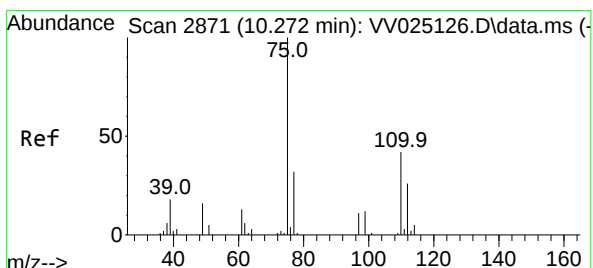
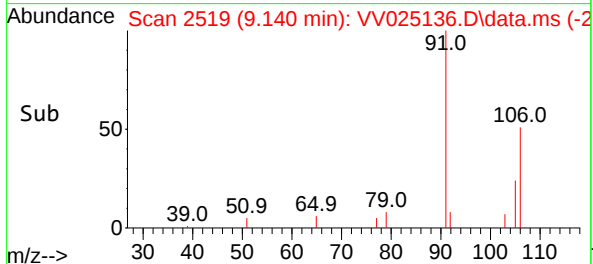
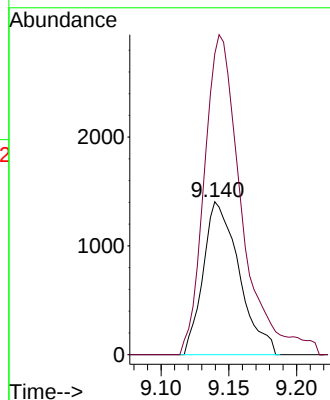
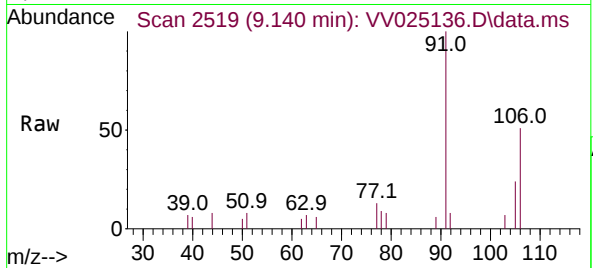




#53
m,p-xylene
Concen: 0.158 ug/L
RT: 9.140 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV025136.D
Acq: 23 Mar 2022 16:43

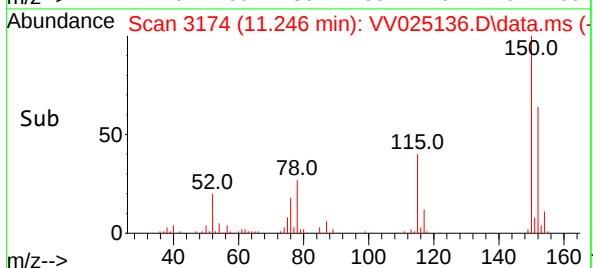
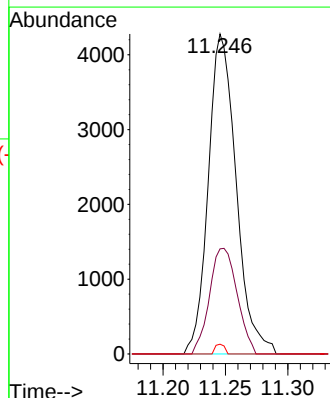
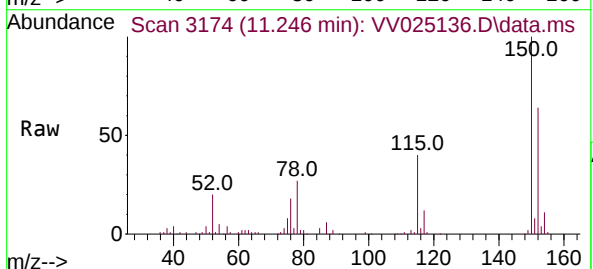
Instrument :
MSVOA_V
ClientSampleId :

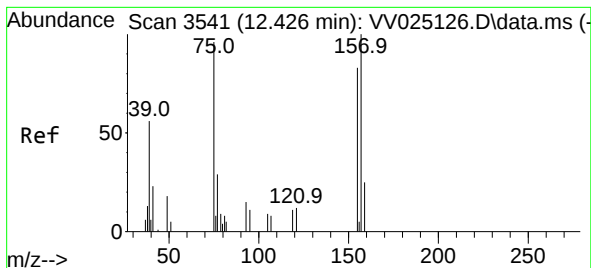
Tgt Ion:106 Resp: 2591
Ion Ratio Lower Upper
106 100
91 196.6 143.4 266.4



#61
1,2,3-Trichloropropane
Concen: 1.475 ug/L
RT: 11.246 min Scan# 3174
Delta R.T. 0.974 min
Lab File: VV025136.D
Acq: 23 Mar 2022 16:43

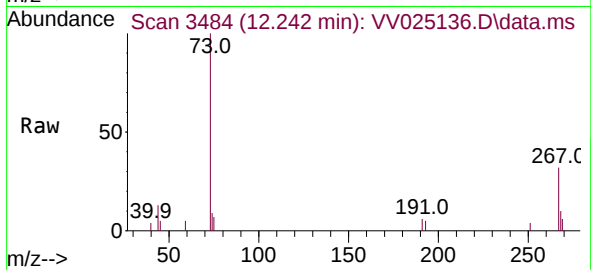
Tgt Ion: 75 Resp: 6652
Ion Ratio Lower Upper
75 100
77 32.7 25.7 38.5
110 1.0 31.2 46.8#





#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.285 ug/L
 RT: 12.242 min Scan# 34
 Delta R.T. -0.183 min
 Lab File: VV025136.D
 Acq: 23 Mar 2022 16:43

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75 Resp: 220
 Ion Ratio Lower Upper
 75 100
 155 0.0 65.9 98.9#
 157 0.0 89.7 134.5#

