

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121721\
 Data File : VW024060.D
 Acq On : 17 Dec 2021 13:29
 Operator : SY/MD
 Sample : M5113-03
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 18 01:45:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121021WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Dec 18 01:42:59 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	90165	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	96799	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	50217	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	21147	4.363	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.200%
7) Chloroethane-d5	1.568	69	19446	4.808	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.200%
11) 1,1-Dichloroethene-d2	2.108	63	34096	3.604	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.000%
20) 2-Butanone-d5	3.899	46	44221	46.696	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.400%
24) Chloroform-d	4.349	84	50344	4.585	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.800%
26) 1,2-Dichloroethane-d4	5.034	65	24306	4.755	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.000%
32) Benzene-d6	5.050	84	91828	4.790	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.800%
36) 1,2-Dichloropropane-d6	6.069	67	27321	4.723	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.400%
41) Toluene-d8	7.317	98	83159	4.818	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.400%
43) trans-1,3-Dichloroprop...	7.625	79	9965	4.153	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.000%
46) 2-Hexanone-d5	8.091	63	34831	32.424	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	64.840%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	18203	3.794	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	75.800%
66) 1,2-Dichlorobenzene-d4	11.625	152	33681	5.021	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	710	0.090	ug/L	91
5) Vinyl chloride	1.307	62	627	0.086	ug/L #	33
12) 1,1-Dichloroethene	2.111	96	452	0.075	ug/L #	1
13) Acetone	2.191	43	1330	1.755	ug/L	73
22) cis-1,2-Dichloroethene	3.921	96	1468	0.207	ug/L	91
33) Benzene	5.101	78	69995	2.556	ug/L	100
34) Trichloroethene	5.921	95	427	0.055	ug/L	91
35) Methylcyclohexane	6.066	83	7415	0.652	ug/L #	22
37) 1,2-Dichloropropane	6.069	63	3439	0.528	ug/L #	84
39) cis-1,3-Dichloropropene	6.992	75	823	0.085	ug/L #	1
42) Toluene	7.400	91	3504	0.114	ug/L	90
45) 1,1,2-Trichloroethane	7.786	97	901	0.187	ug/L #	16
48) 2-Hexanone	8.149	43	2357	1.040	ug/L #	89
51) Chlorobenzene	8.882	112	52198	2.534	ug/L	98
52) Ethylbenzene	9.017	91	3720	0.114	ug/L	99
53) m,p-xylene	9.146	106	3445	0.268	ug/L	99
54) o-xylene	9.548	106	2878	0.231	ug/L	100
60) Isopropylbenzene	9.934	105	16251	0.551	ug/L	98
61) 1,2,3-Trichloropropane	11.188	75	292	0.085	ug/L #	1

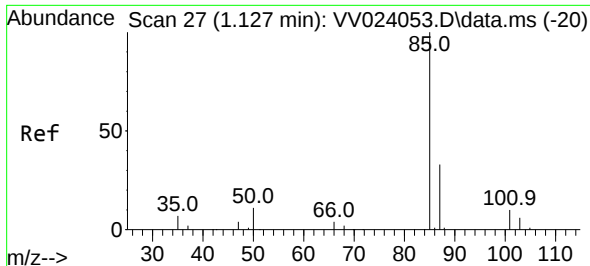
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121021WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Dec 18 01:42:59 2021
 Response via : Initial Calibration

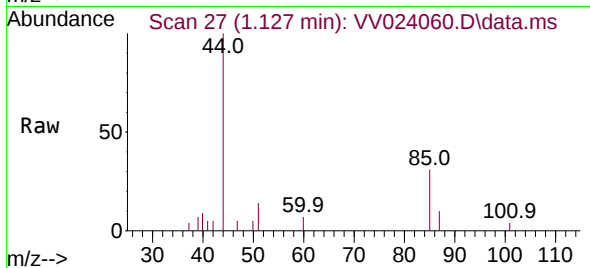
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	10.538	105	1659	0.068	ug/L	89
63) 1,2,4-Trimethylbenzene	10.915	105	9997	0.410	ug/L	93
64) 1,3-Dichlorobenzene	11.188	146	1240	0.082	ug/L #	84
65) 1,4-Dichlorobenzene	11.275	146	2927	0.193	ug/L	95
67) 1,2-Dichlorobenzene	11.644	146	8147	0.590	ug/L	90
68) 1,2-Dibromo-3-chloropr...	12.249	75	71	0.095	ug/L #	1
71) Naphthalene	13.509	128	1325	0.095	ug/L #	83

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

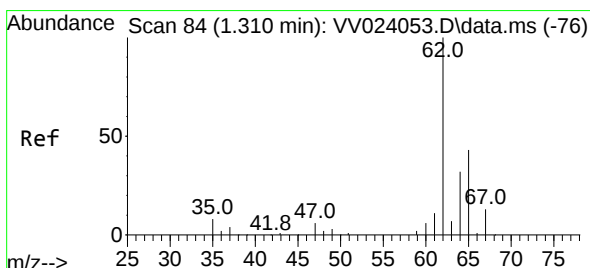
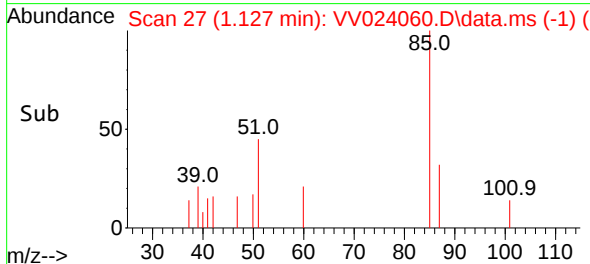
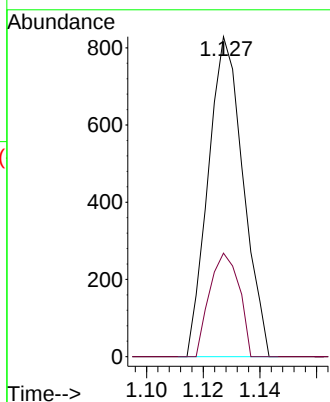


#2
 Dichlorodifluoromethane
 Concen: 0.090 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV024060.D
 Acq: 17 Dec 2021 13:29

Instrument :
 MSVOA_V
 ClientSampleId :

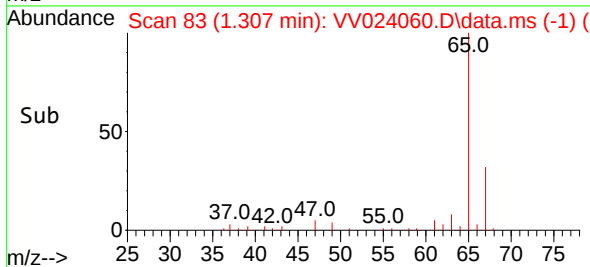
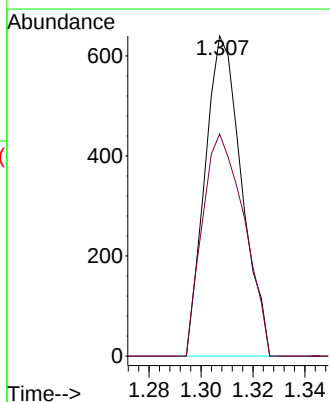
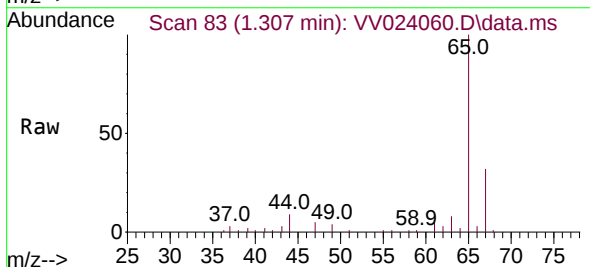


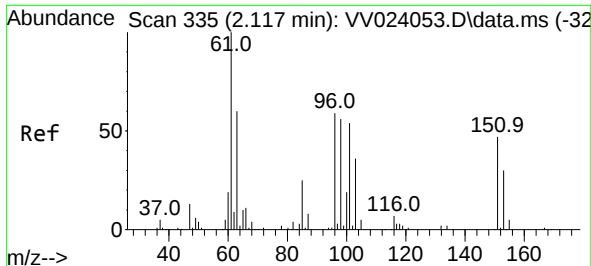
Tgt Ion: 85 Resp: 710
 Ion Ratio Lower Upper
 85 100
 87 27.3 26.0 39.0



#5
 Vinyl chloride
 Concen: 0.086 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. -0.003 min
 Lab File: VV024060.D
 Acq: 17 Dec 2021 13:29

Tgt Ion: 62 Resp: 627
 Ion Ratio Lower Upper
 62 100
 64 69.4 22.4 41.6#





#12

1,1-Dichloroethene

Concen: 0.075 ug/L

RT: 2.111 min Scan# 31

Delta R.T. -0.006 min

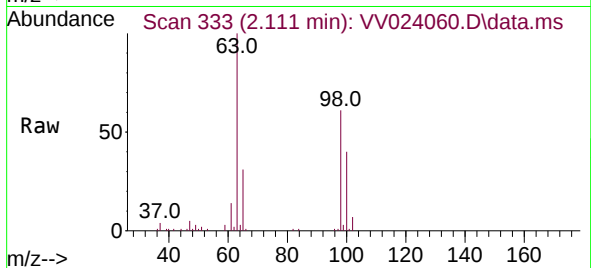
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Acq: 17 Dec 2021 13:29

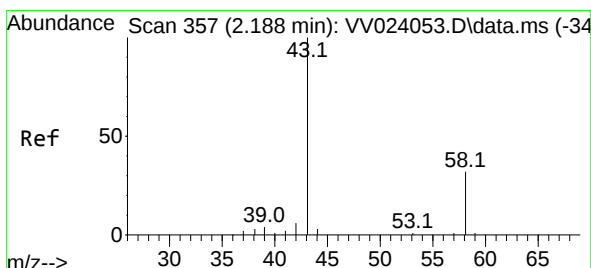
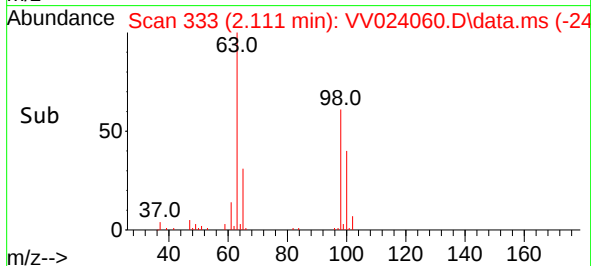
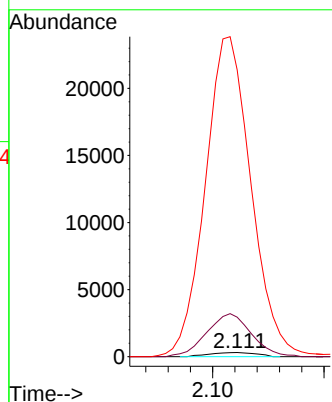
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:	96	Resp:	452
Ion	Ratio	Lower	Upper
96	100		
61	963.4	116.1	215.5#
63	6990.8	79.4	147.4#



#13

Acetone

Concen: 1.755 ug/L

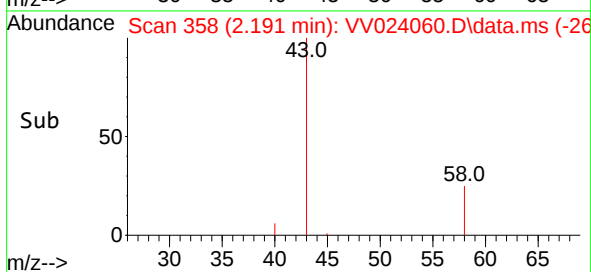
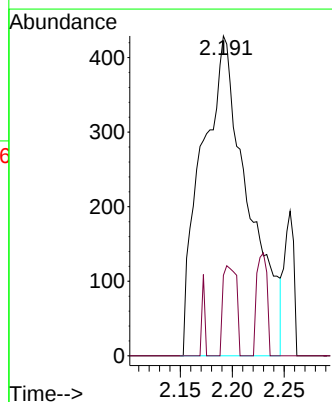
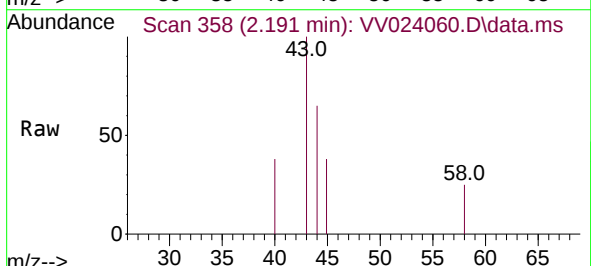
RT: 2.191 min Scan# 358

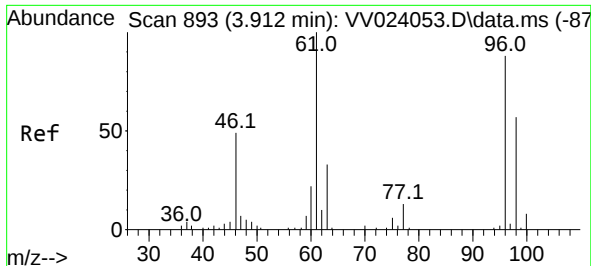
Delta R.T. 0.003 min

Lab File: VV024060.D

Acq: 17 Dec 2021 13:29

Tgt Ion:	43	Resp:	1330
Ion	Ratio	Lower	Upper
43	100		
58	8.2	0.0	41.4

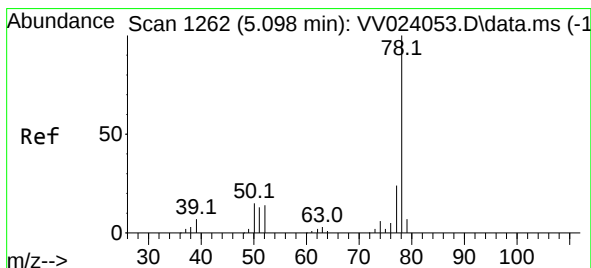
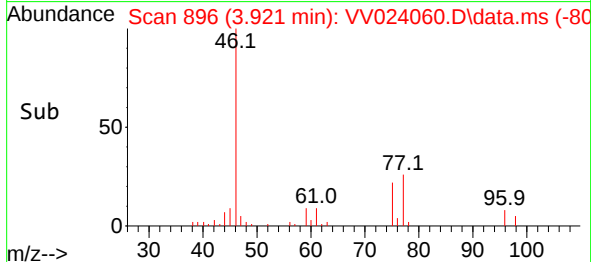
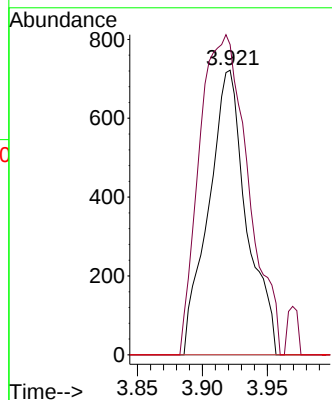
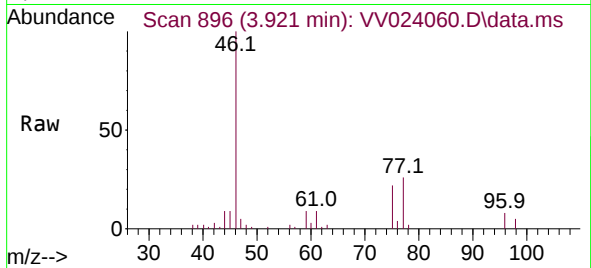




#22
 cis-1,2-Dichloroethene
 Concen: 0.207 ug/L
 RT: 3.921 min Scan# 893
 Delta R.T. 0.010 min
 Lab File: VV024060.D
 Acq: 17 Dec 2021 13:29

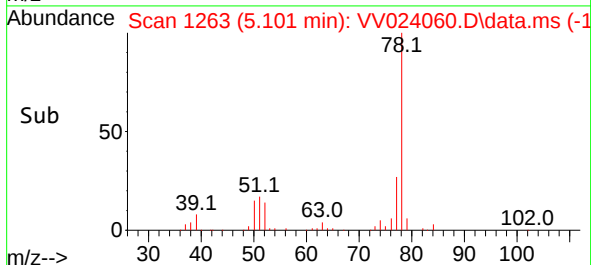
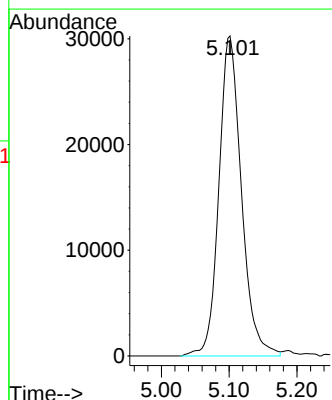
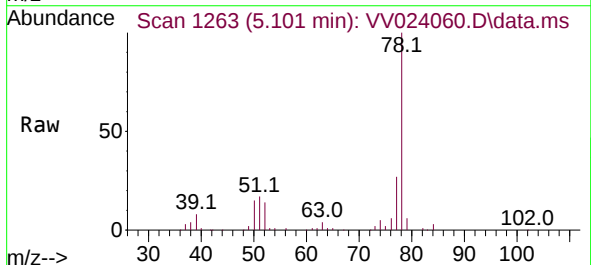
Instrument :
 MSVOA_V
 ClientSampleId :

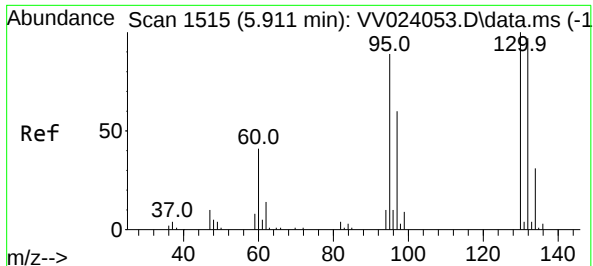
Tgt Ion: 96 Resp: 1468
 Ion Ratio Lower Upper
 96 100
 61 109.0 83.4 154.8
 68 0.0 0.0 0.0



#33
 Benzene
 Concen: 2.556 ug/L
 RT: 5.101 min Scan# 1263
 Delta R.T. 0.003 min
 Lab File: VV024060.D
 Acq: 17 Dec 2021 13:29

Tgt Ion: 78 Resp: 69995



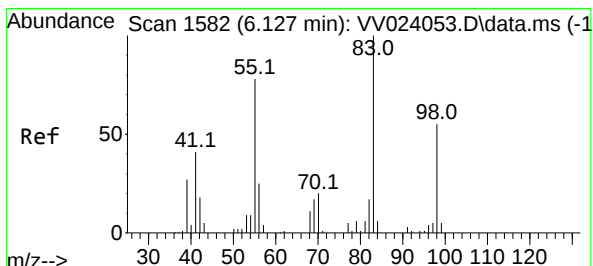
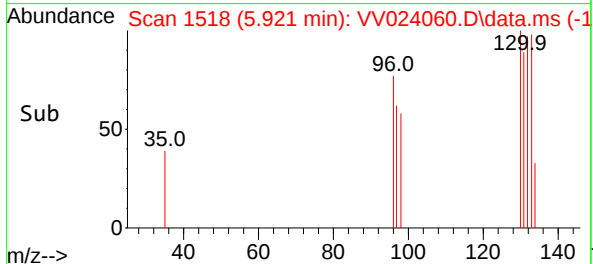
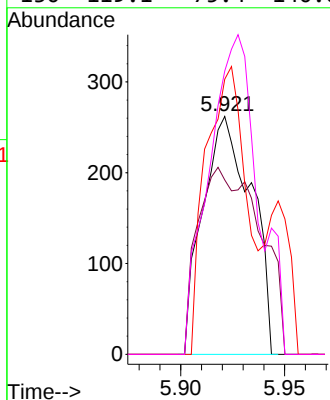
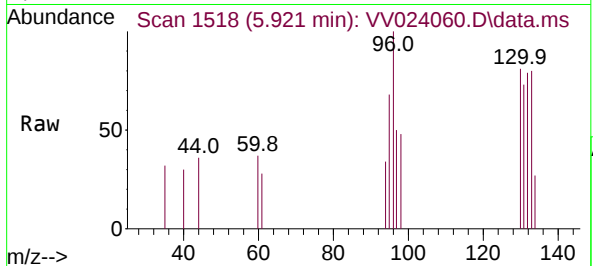


#34
Trichloroethene
Concen: 0.055 ug/L
RT: 5.921 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV024060.D
Acq: 17 Dec 2021 13:29

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 95 Resp: 427

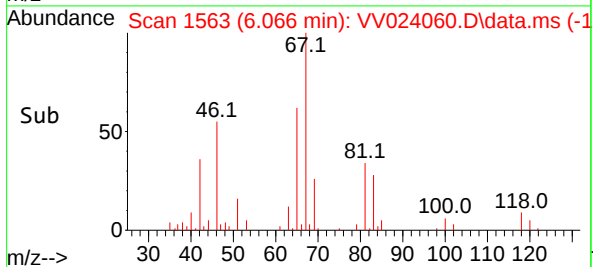
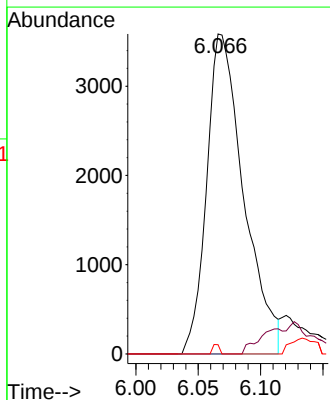
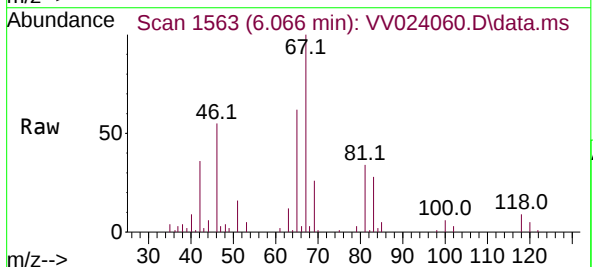
Ion	Ratio	Lower	Upper
95	100		
97	73.3	45.2	84.0
132	115.6	76.1	141.3
130	119.1	75.4	140.0

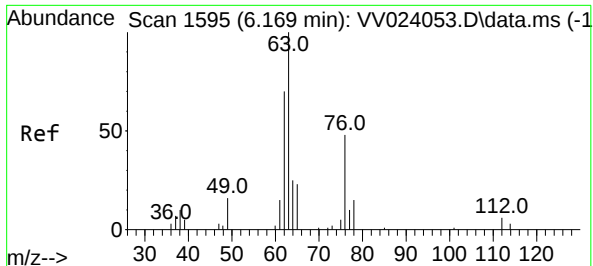


#35
Methylcyclohexane
Concen: 0.652 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.061 min
Lab File: VV024060.D
Acq: 17 Dec 2021 13:29

Tgt Ion: 83 Resp: 7415

Ion	Ratio	Lower	Upper
83	100		
55	5.2	60.2	90.2#
98	0.6	41.0	61.4#





#37

1,2-Dichloropropane

Concen: 0.528 ug/L

RT: 6.069 min Scan# 1

Delta R.T. -0.100 min

Lab File: VV024060.D

Acq: 17 Dec 2021 13:29

Instrument :

MSVOA_V

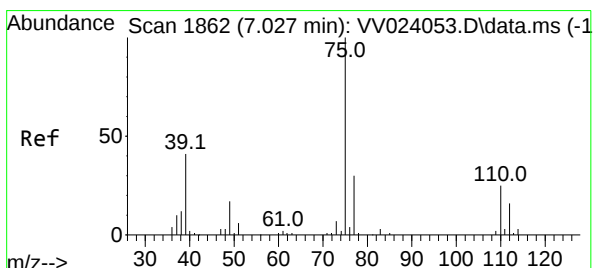
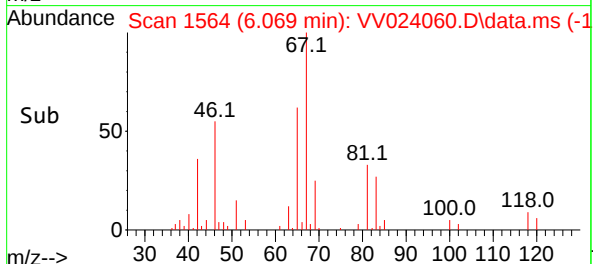
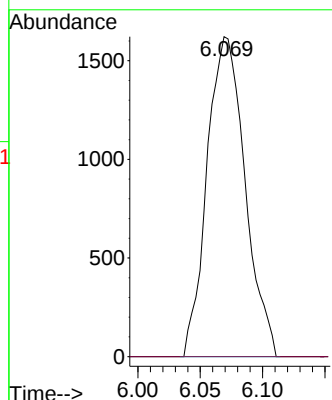
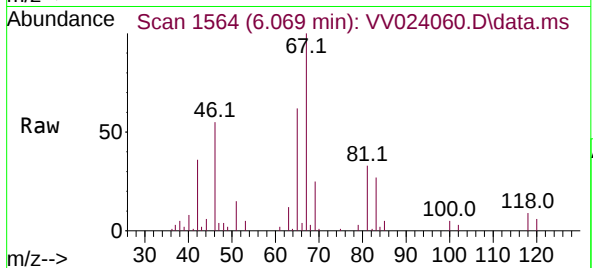
ClientSampleId :

Tgt Ion: 63 Resp: 3439

Ion Ratio Lower Upper

63 100

112 0.0 4.3 6.5#



#39

cis-1,3-Dichloropropene

Concen: 0.085 ug/L

RT: 6.992 min Scan# 1851

Delta R.T. -0.035 min

Lab File: VV024060.D

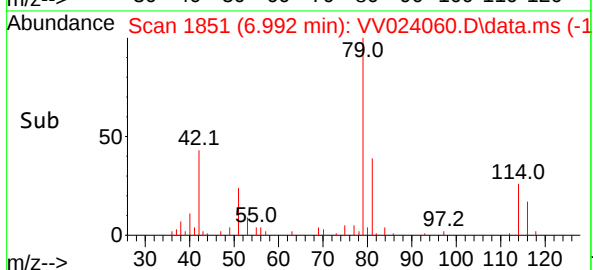
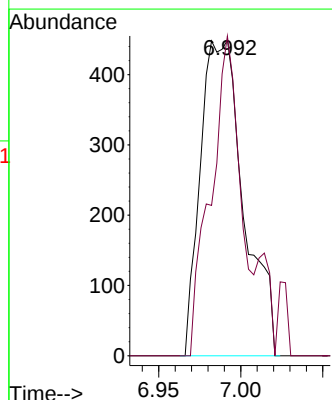
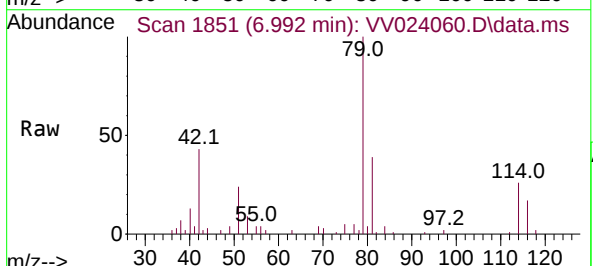
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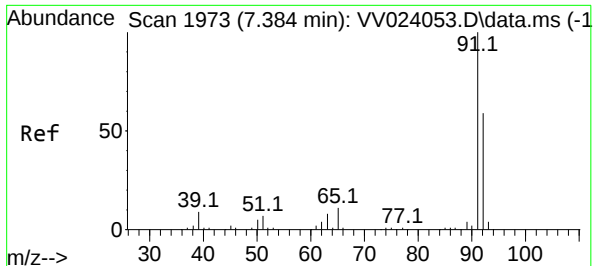
Tgt Ion: 75 Resp: 823

Ion Ratio Lower Upper

75 100

77 101.3 22.0 41.0#

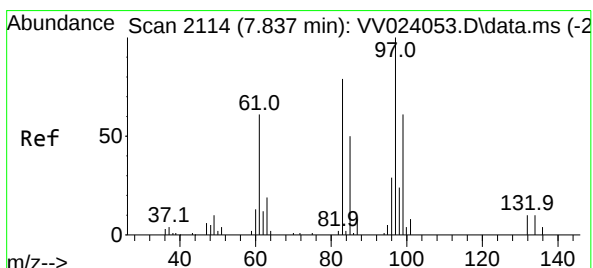
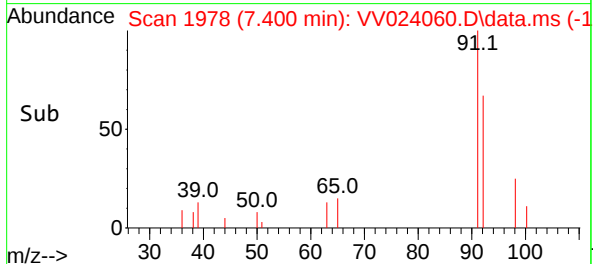
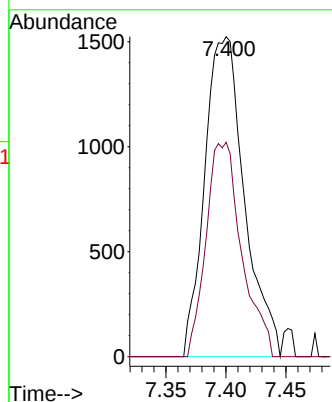
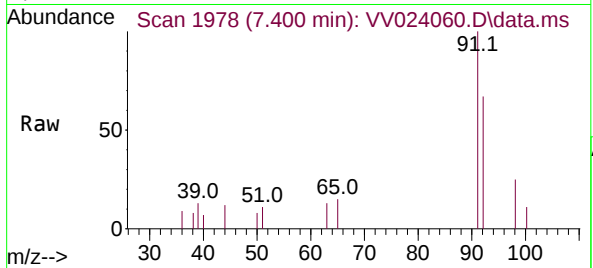




#42
Toluene
Concen: 0.114 ug/L
RT: 7.400 min Scan# 1973
Delta R.T. 0.016 min
Lab File: VV024060.D
Acq: 17 Dec 2021 13:29

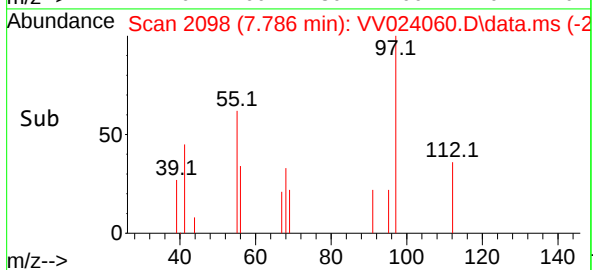
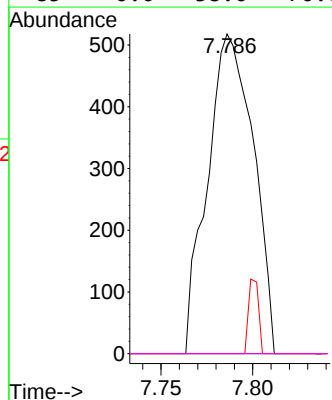
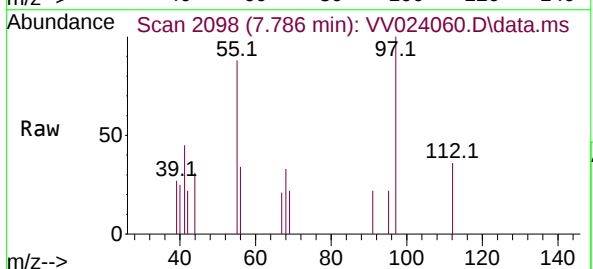
Instrument :
MSVOA_V
ClientSampleId :

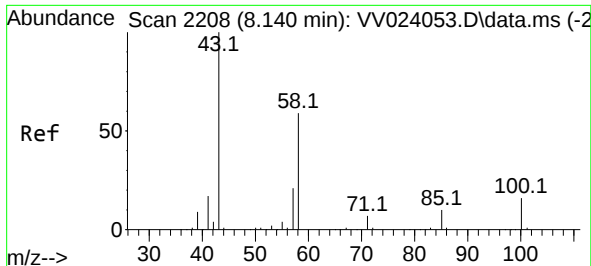
Tgt Ion: 91 Resp: 3504
Ion Ratio Lower Upper
91 100
92 67.0 41.5 77.1



#45
1,1,2-Trichloroethane
Concen: 0.187 ug/L
RT: 7.786 min Scan# 2098
Delta R.T. -0.051 min
Lab File: VV024060.D
Acq: 17 Dec 2021 13:29

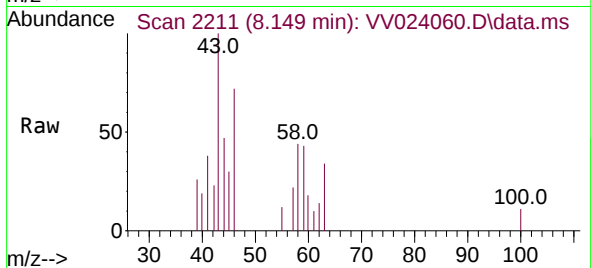
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Ion Ratio Lower Upper
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99 0.0 43.1 80.1#
83 0.0 57.9 107.5#
85 0.0 38.0 70.6#



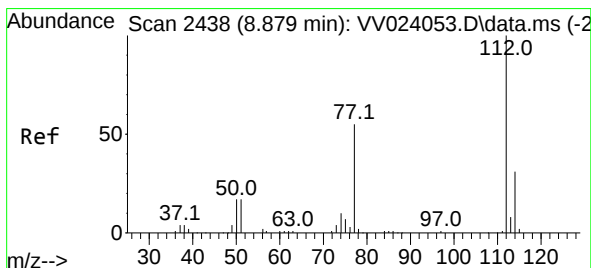
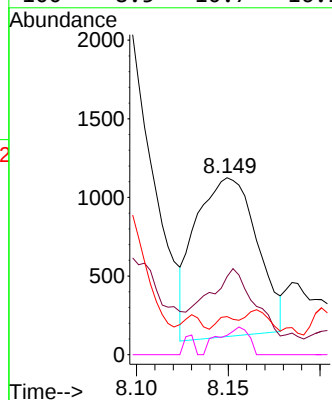
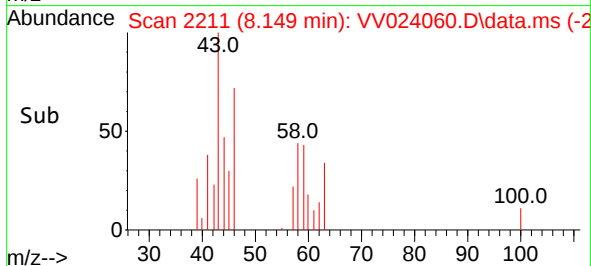


#48
2-Hexanone
Concen: 1.040 ug/L
RT: 8.149 min Scan# 2111
Delta R.T. 0.010 min
Lab File: VV024060.D
Acq: 17 Dec 2021 13:29

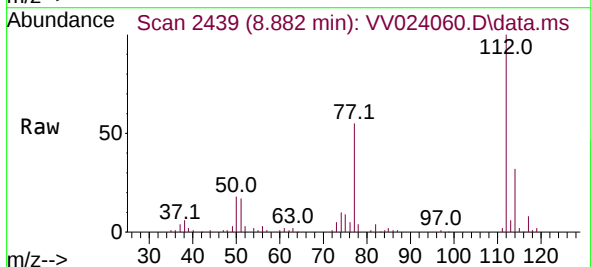
Instrument :
MSVOA_V
ClientSampleId :



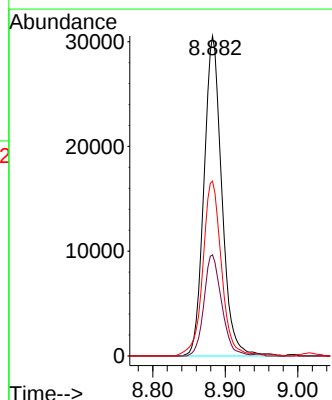
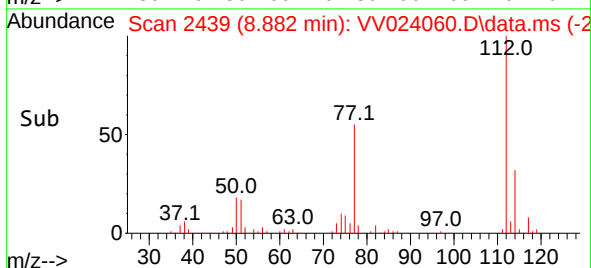
Tgt Ion: 43	Resp: 2357
Ion Ratio	Lower Upper
43 100	
58 50.4	44.5 66.7
57 9.2	15.1 22.7#
100 8.5	10.7 16.1#

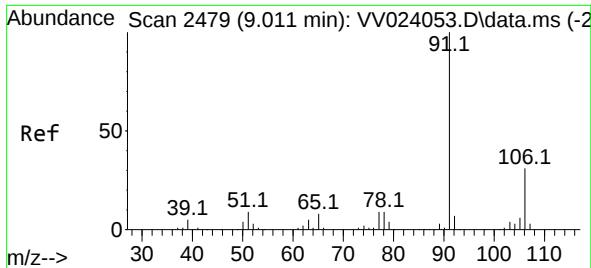


#51
Chlorobenzene
Concen: 2.534 ug/L
RT: 8.882 min Scan# 2439
Delta R.T. 0.003 min
Lab File: VV024060.D
Acq: 17 Dec 2021 13:29



Tgt Ion:112	Resp: 52198
Ion Ratio	Lower Upper
112 100	
114 31.6	23.3 43.3
77 54.7	43.3 64.9

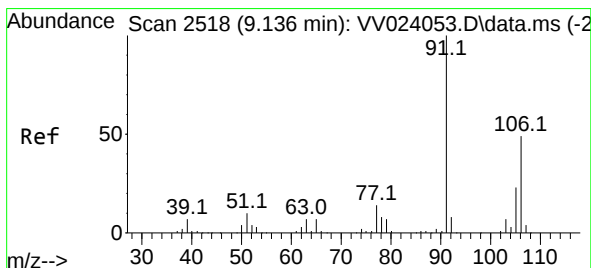
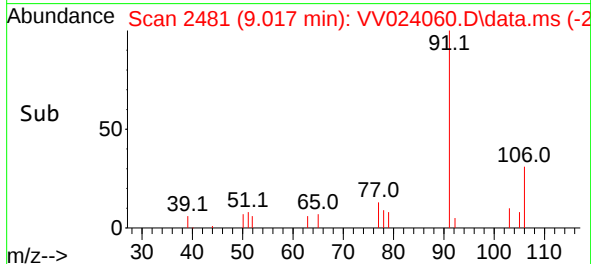
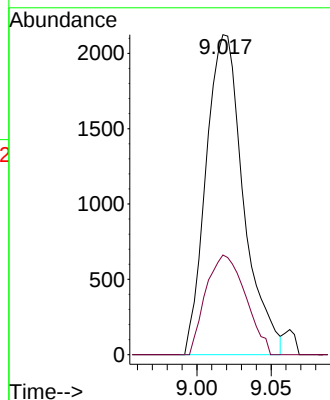
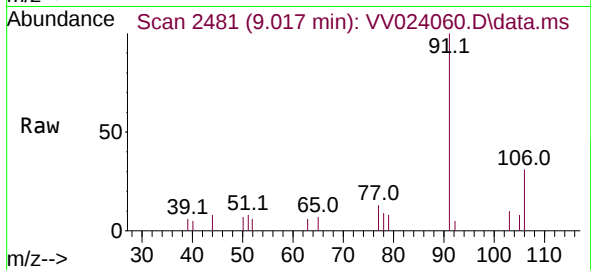




#52
Ethylbenzene
Concen: 0.114 ug/L
RT: 9.017 min Scan# 2479
Delta R.T. 0.006 min
Lab File: VV024060.D
Acq: 17 Dec 2021 13:29

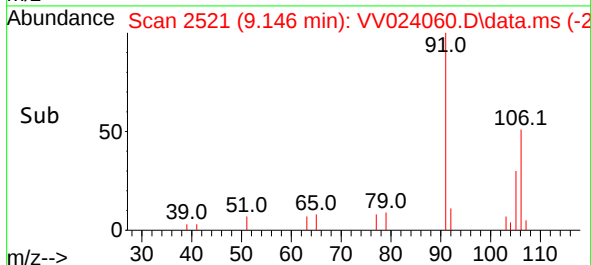
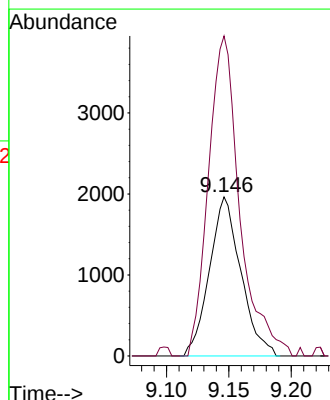
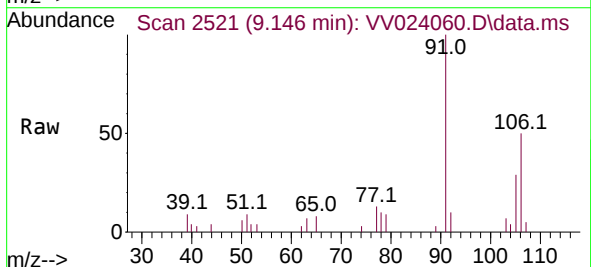
Instrument :
MSVOA_V
ClientSampleId :

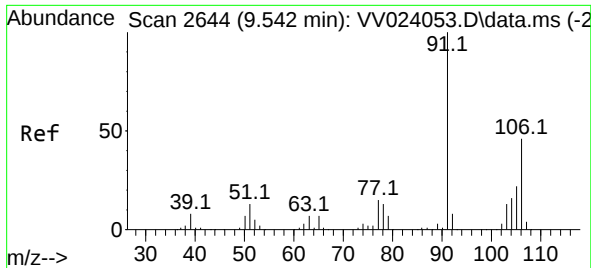
Tgt Ion: 91 Resp: 3720
Ion Ratio Lower Upper
91 100
106 31.1 22.0 41.0



#53
m,p-xylene
Concen: 0.268 ug/L
RT: 9.146 min Scan# 2521
Delta R.T. 0.010 min
Lab File: VV024060.D
Acq: 17 Dec 2021 13:29

Tgt Ion: 106 Resp: 3445
Ion Ratio Lower Upper
106 100
91 201.3 139.5 259.1

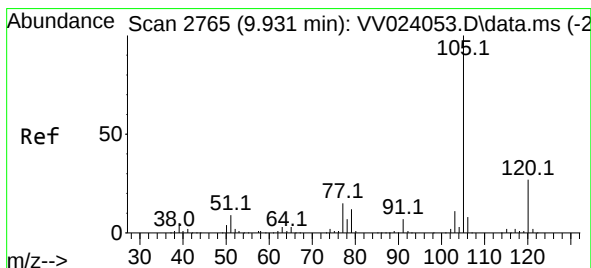
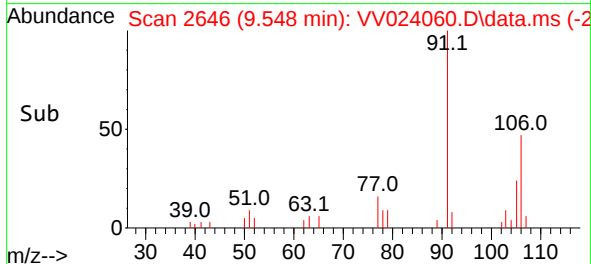
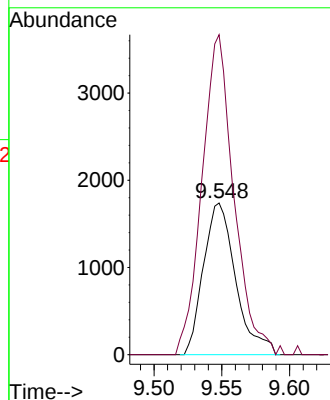
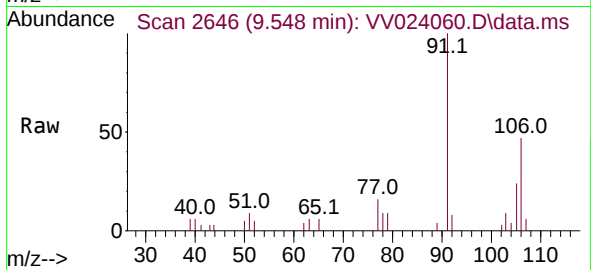




#54
o-xylene
Concen: 0.231 ug/L
RT: 9.548 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV024060.D
Acq: 17 Dec 2021 13:29

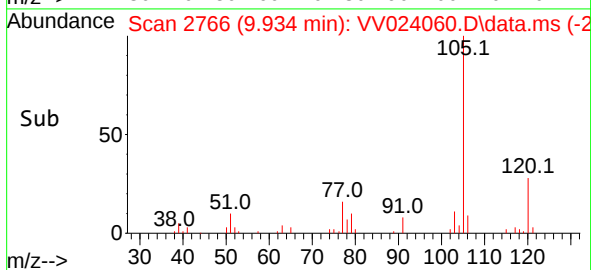
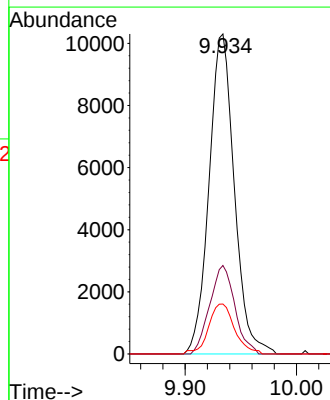
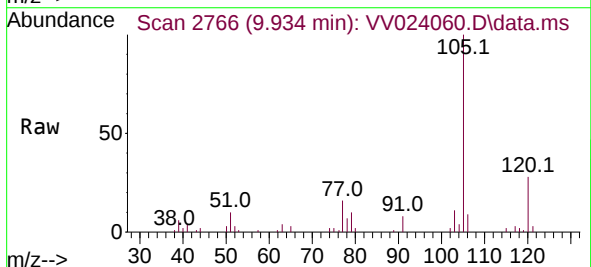
Instrument :
MSVOA_V
ClientSampleId :

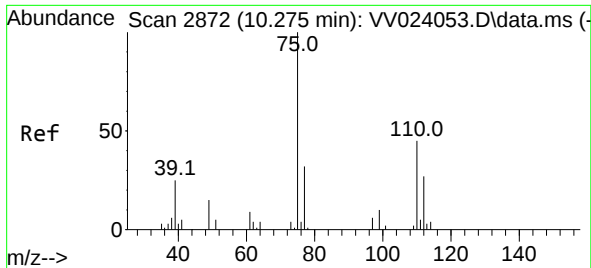
Tgt Ion:106 Resp: 2878
Ion Ratio Lower Upper
106 100
91 211.0 147.9 274.7



#60
Isopropylbenzene
Concen: 0.551 ug/L
RT: 9.934 min Scan# 2766
Delta R.T. 0.003 min
Lab File: VV024060.D
Acq: 17 Dec 2021 13:29

Tgt Ion:105 Resp: 16251
Ion Ratio Lower Upper
105 100
120 27.5 21.4 32.0
77 16.1 12.2 18.4

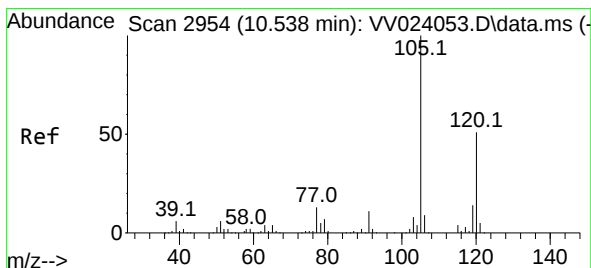
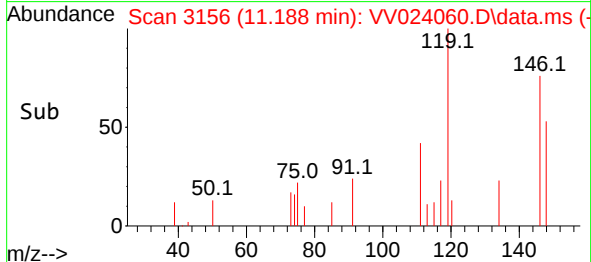
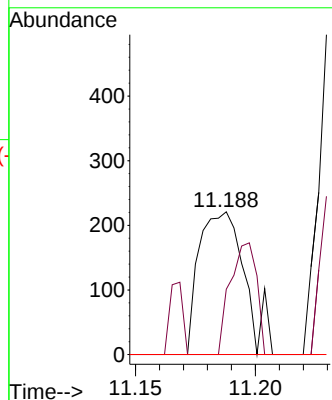
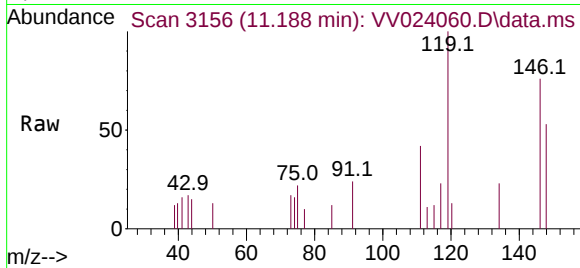




#61
 1,2,3-Trichloropropane
 Concen: 0.085 ug/L
 RT: 11.188 min Scan# 3156
 Delta R.T. 0.913 min
 Lab File: VV024060.D
 Acq: 17 Dec 2021 13:29

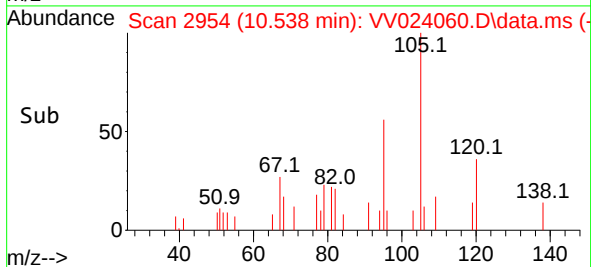
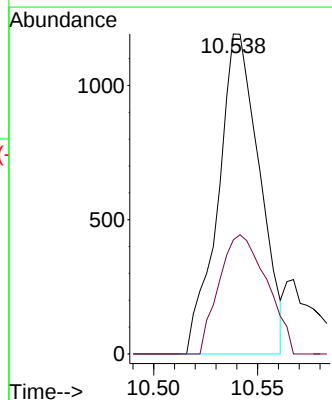
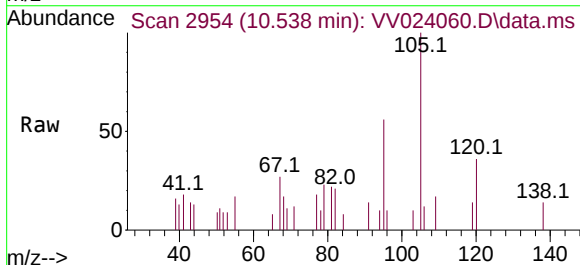
Instrument :
 MSVOA_V
 ClientSampleId :

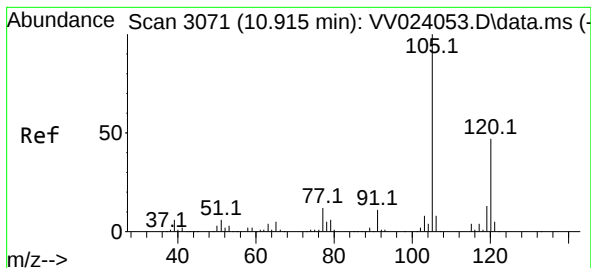
Tgt Ion: 75 Resp: 292
 Ion Ratio Lower Upper
 75 100
 77 476.7 26.4 39.6#
 110 0.0 34.2 51.2#



#62
 1,3,5-Trimethylbenzene
 Concen: 0.068 ug/L
 RT: 10.538 min Scan# 2954
 Delta R.T. 0.000 min
 Lab File: VV024060.D
 Acq: 17 Dec 2021 13:29

Tgt Ion: 105 Resp: 1659
 Ion Ratio Lower Upper
 105 100
 120 42.7 40.1 60.1





#63

1,2,4-Trimethylbenzene

Concen: 0.410 ug/L

RT: 10.915 min Scan# 3071

Delta R.T. 0.000 min

Lab File: VV024060.D

Acq: 17 Dec 2021 13:29

Instrument :

MSVOA_V

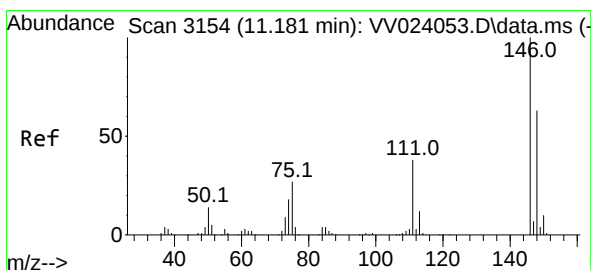
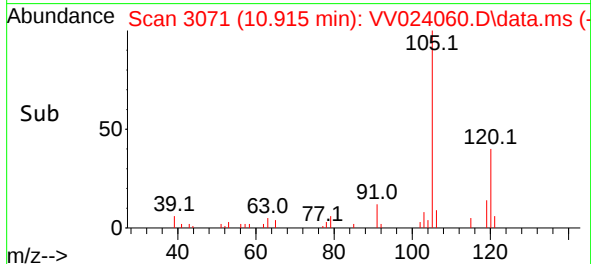
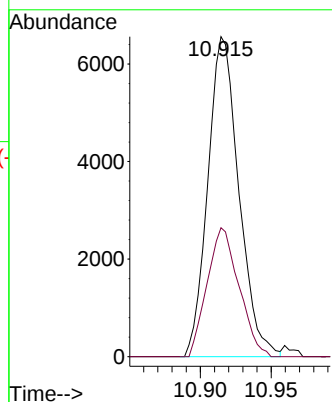
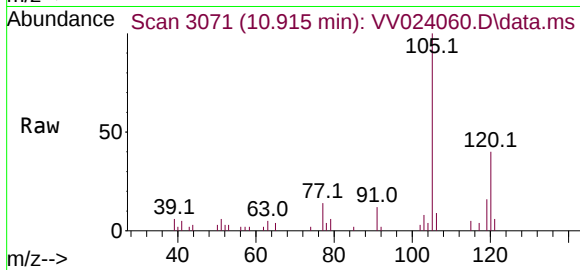
ClientSampleId :

Tgt Ion:105 Resp: 9997

Ion Ratio Lower Upper

105 100

120 41.2 36.7 55.1



#64

1,3-Dichlorobenzene

Concen: 0.082 ug/L

RT: 11.188 min Scan# 3156

Delta R.T. 0.006 min

Lab File: VV024060.D

Acq: 17 Dec 2021 13:29

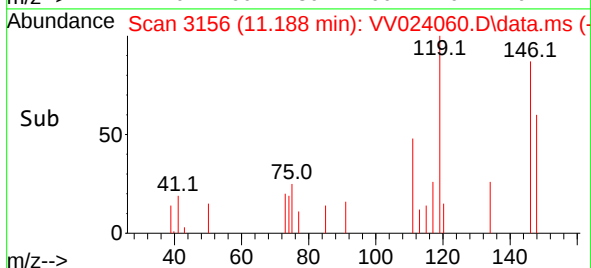
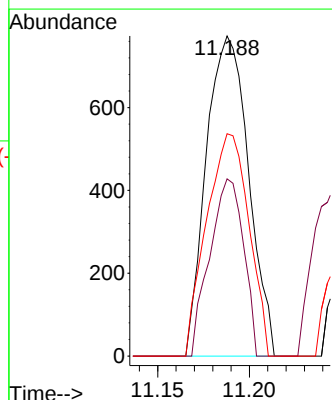
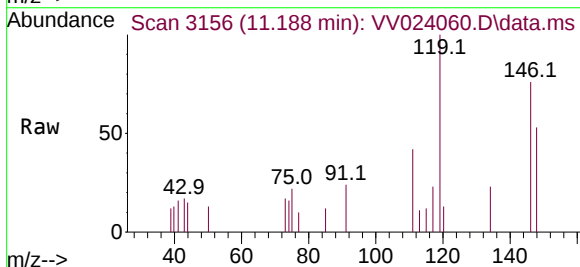
Tgt Ion:146 Resp: 1240

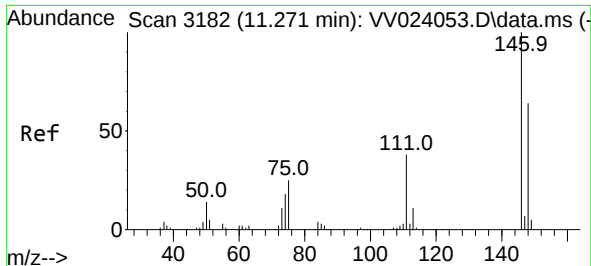
Ion Ratio Lower Upper

146 100

111 55.4 26.3 48.9#

148 69.5 44.4 82.5

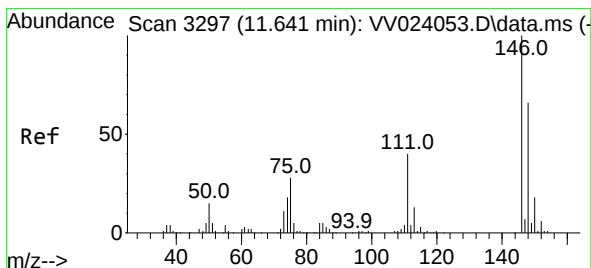
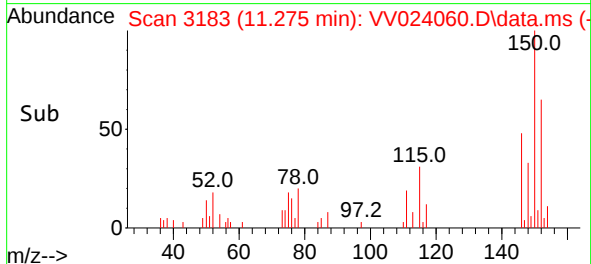
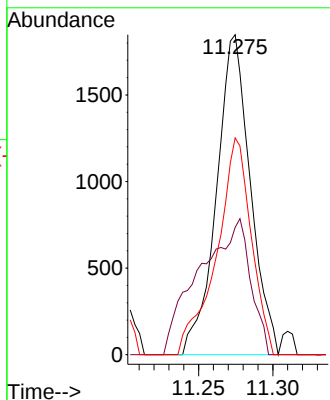
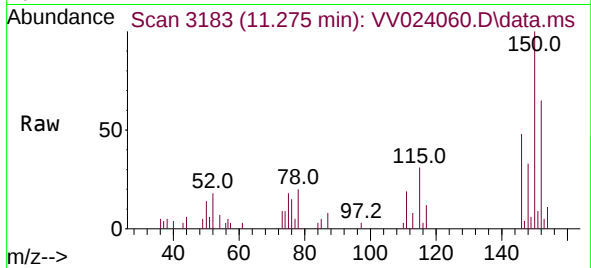




#65
1,4-Dichlorobenzene
Concen: 0.193 ug/L
RT: 11.275 min Scan# 3182
Delta R.T. 0.003 min
Lab File: VV024060.D
Acq: 17 Dec 2021 13:29

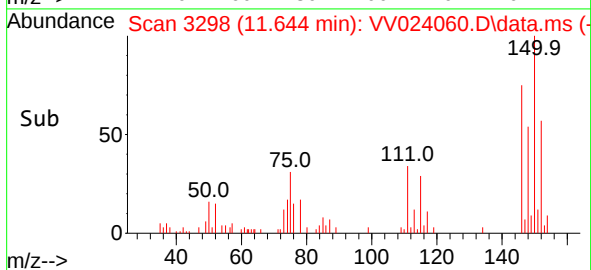
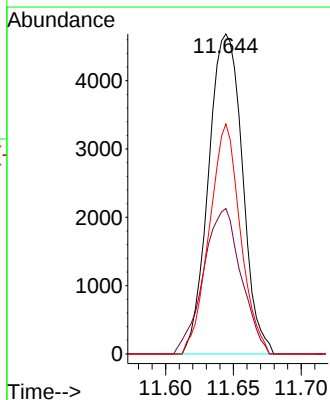
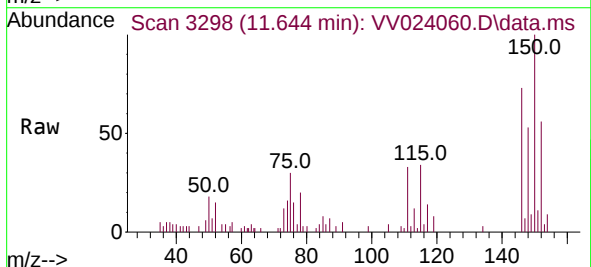
Instrument :
MSVOA_V
ClientSampleId :

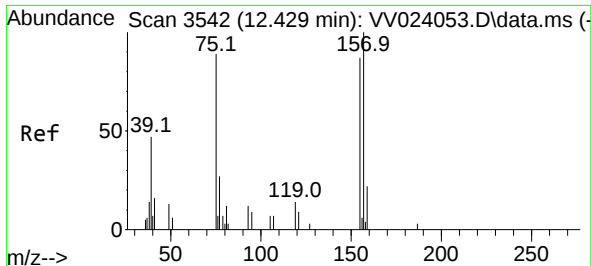
Tgt Ion:146 Resp: 2927
Ion Ratio Lower Upper
146 100
111 39.8 25.6 47.6
148 67.7 44.8 83.2



#67
1,2-Dichlorobenzene
Concen: 0.590 ug/L
RT: 11.644 min Scan# 3298
Delta R.T. 0.003 min
Lab File: VV024060.D
Acq: 17 Dec 2021 13:29

Tgt Ion:146 Resp: 8147
Ion Ratio Lower Upper
146 100
111 45.5 31.9 47.9
148 71.9 50.5 75.7

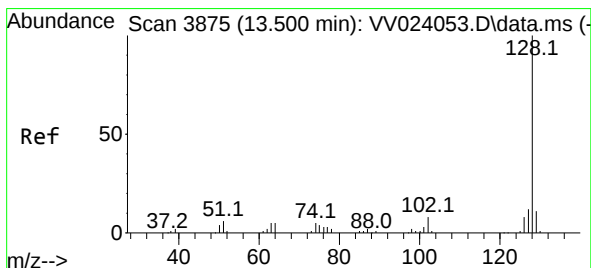
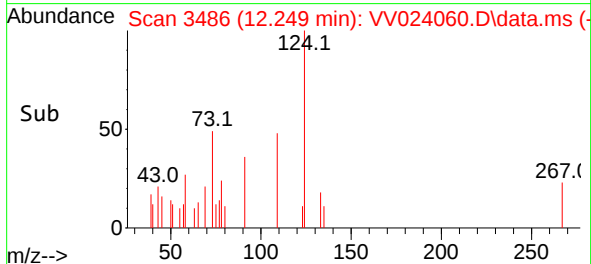
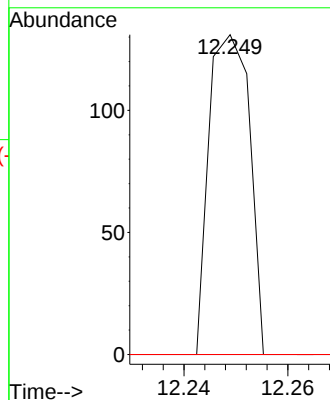
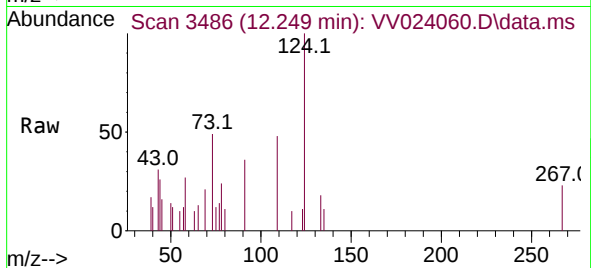




#68
1,2-Dibromo-3-chloropropane
Concen: 0.095 ug/L
RT: 12.249 min Scan# 3486
Delta R.T. -0.180 min
Lab File: VV024060.D
Acq: 17 Dec 2021 13:29

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 75 Resp: 71
Ion Ratio Lower Upper
75 100
155 0.0 71.7 107.5#
157 0.0 103.3 154.9#



#71
Naphthalene
Concen: 0.095 ug/L
RT: 13.509 min Scan# 3878
Delta R.T. 0.010 min
Lab File: VV024060.D
Acq: 17 Dec 2021 13:29

Tgt Ion: 128 Resp: 1325
Ion Ratio Lower Upper
128 100
129 5.1 9.0 13.4#
127 5.6 10.2 15.4#

