

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121921\
 Data File : VW024121.D
 Acq On : 20 Dec 2021 04:35
 Operator : SY/MD
 Sample : M5148-21
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 20 05:38:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121021WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Dec 20 04:04:22 2021
 Response via : Initial Calibration

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

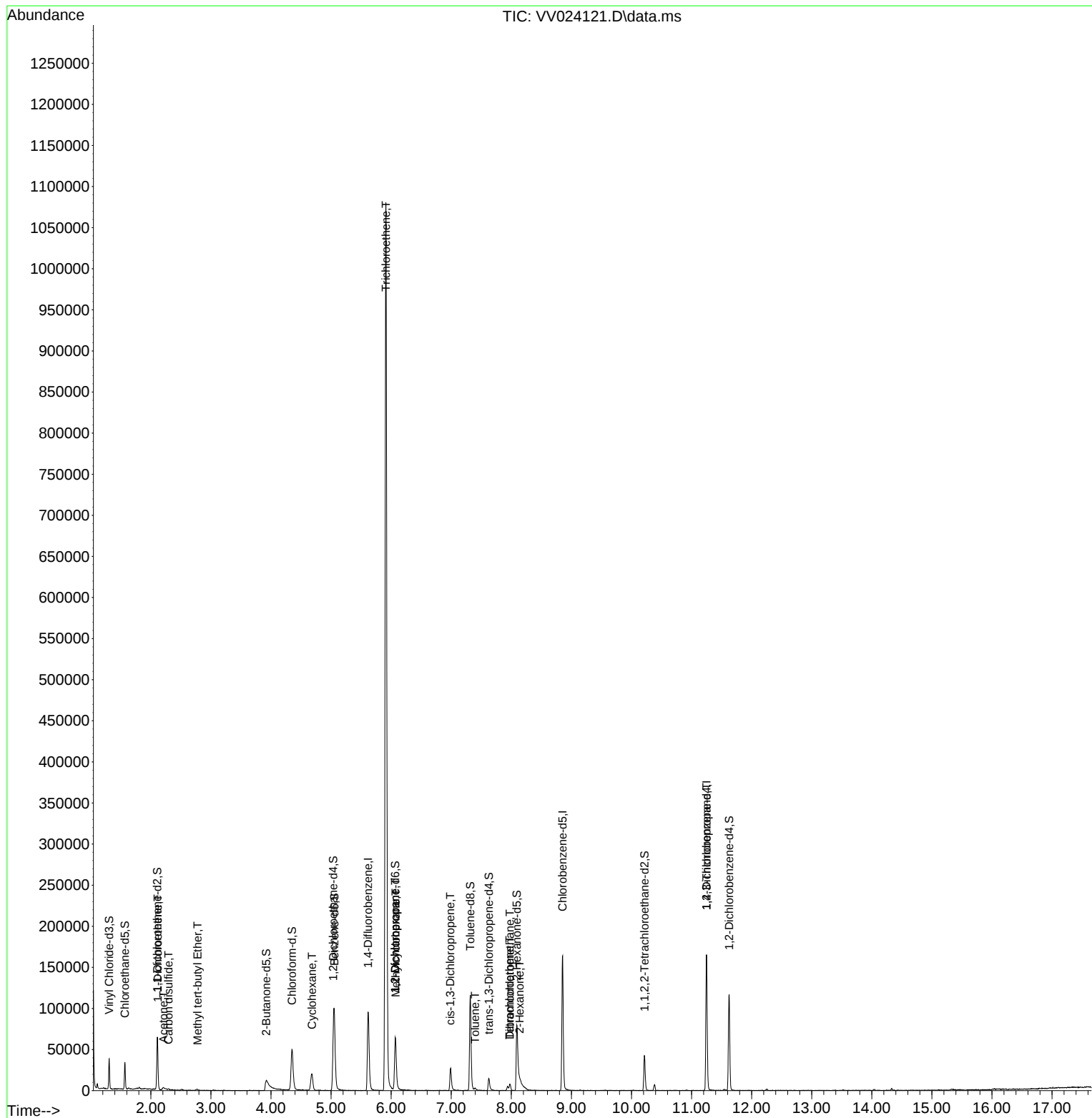
Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	86301	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	94372	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	46088	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	19525	4.208	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	84.200%	
7) Chloroethane-d5	1.568	69	18776	4.851	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	97.000%	
11) 1,1-Dichloroethene-d2	2.108	63	31661	3.496	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	70.000%	
20) 2-Butanone-d5	3.921	46	30073	33.178	ug/L	0.01
Spiked Amount	50.000	Range 40 - 130	Recovery	=	66.360%	
24) Chloroform-d	4.349	84	52253	4.972	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	99.400%	
26) 1,2-Dichloroethane-d4	5.037	65	25310	5.173	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	103.400%	
32) Benzene-d6	5.053	84	91840	4.913	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	98.200%	
36) 1,2-Dichloropropane-d6	6.069	67	28685	5.087	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	101.800%	
41) Toluene-d8	7.317	98	78285	4.652	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	93.000%	
43) trans-1,3-Dichloroprop...	7.625	79	9143	3.908	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	78.200%	
46) 2-Hexanone-d5	8.091	63	29536	28.202	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	56.400%	
56) 1,1,2,2-Tetrachloroeth...	10.217	84	19634	4.197	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	84.000%	
66) 1,2-Dichlorobenzene-d4	11.625	152	32394	5.262	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	105.200%	
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.114	96	588	0.102	ug/L #	1
13) Acetone	2.211	43	5817	8.022	ug/L	91
14) Carbon disulfide	2.294	76	878	0.052	ug/L #	80
17) Methyl tert-butyl Ether	2.777	73	996	0.076	ug/L #	46
30) Cyclohexane	4.680	56	9148	0.934	ug/L #	91
34) Trichloroethene	5.911	95	353364	46.925	ug/L	99
35) Methylcyclohexane	6.075	83	7511	0.678	ug/L #	18
37) 1,2-Dichloropropane	6.069	63	3528	0.556	ug/L #	84
39) cis-1,3-Dichloropropene	6.985	75	779	0.083	ug/L	93
42) Toluene	7.397	91	1992	0.066	ug/L	100
47) Tetrachloroethene	7.973	164	1838	0.277	ug/L	95
48) 2-Hexanone	8.140	43	4283	1.938	ug/L #	64
49) Dibromochloromethane	7.976	129	1754	0.275	ug/L #	11
61) 1,2,3-Trichloropropane	11.249	75	4658	1.484	ug/L #	62

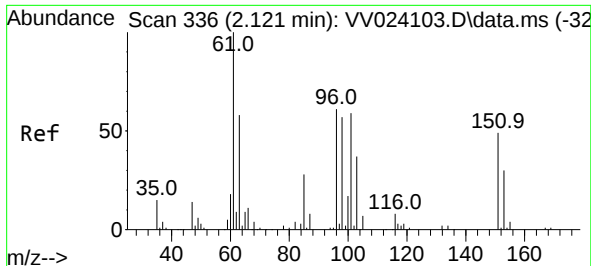
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.102 ug/L

RT: 2.114 min Scan# 31

Delta R.T. -0.006 min

Lab File: VV024121.D

Acq: 20 Dec 2021 04:35

Instrument :

MSVOA_V

ClientSampleId :

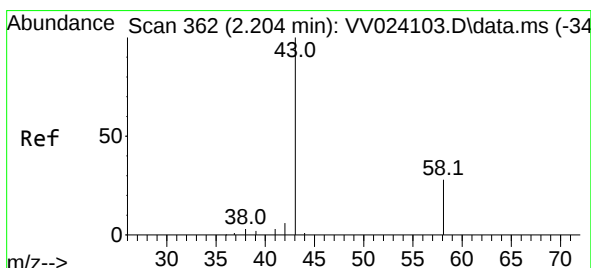
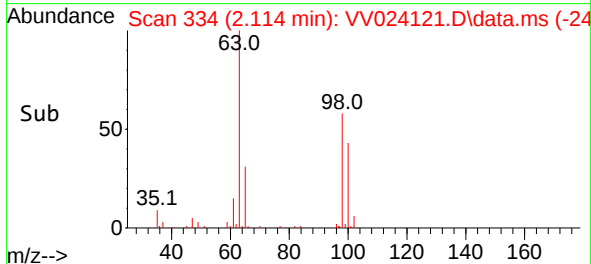
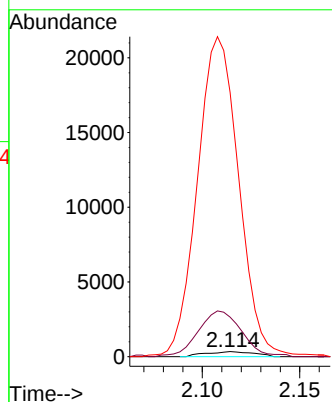
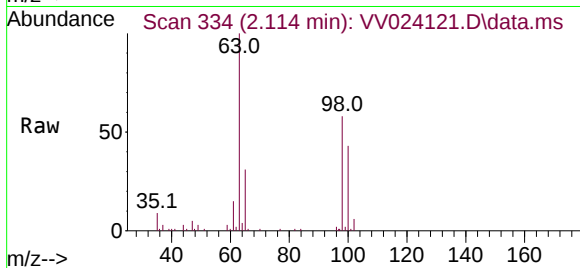
Tgt Ion: 96 Resp: 588

Ion Ratio Lower Upper

96 100

61 779.1 116.1 215.5#

63 5200.0 79.4 147.4#



#13

Acetone

Concen: 8.022 ug/L

RT: 2.211 min Scan# 364

Delta R.T. 0.006 min

Lab File: VV024121.D

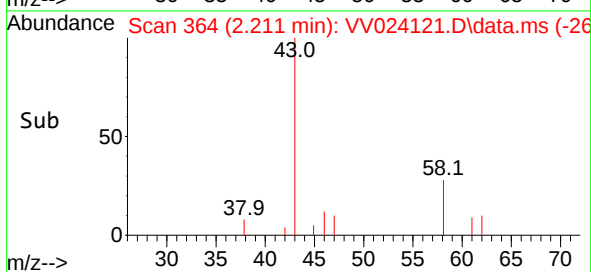
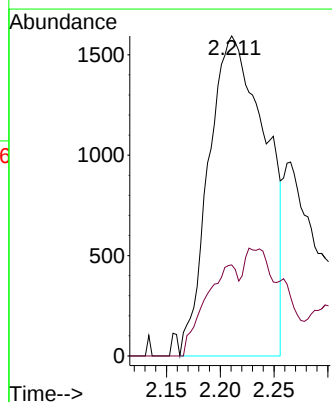
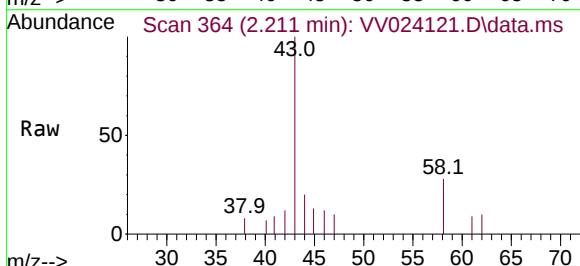
Acq: 20 Dec 2021 04:35

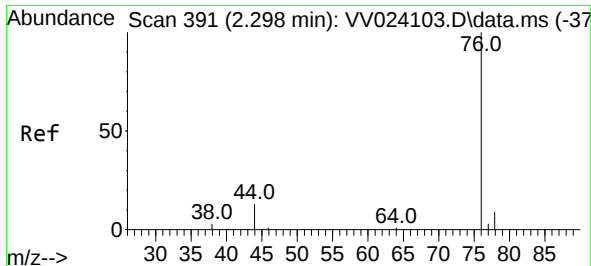
Tgt Ion: 43 Resp: 5817

Ion Ratio Lower Upper

43 100

58 16.5 0.0 41.4

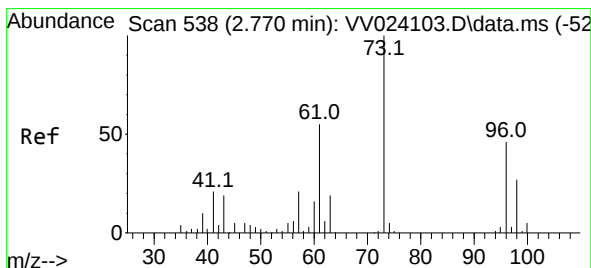
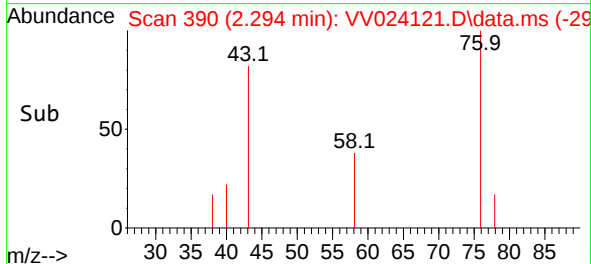
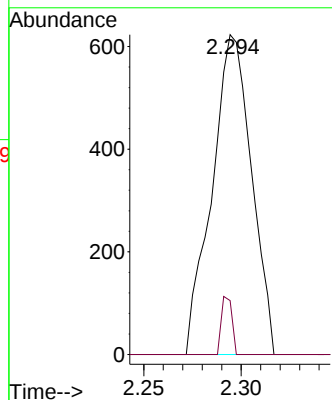
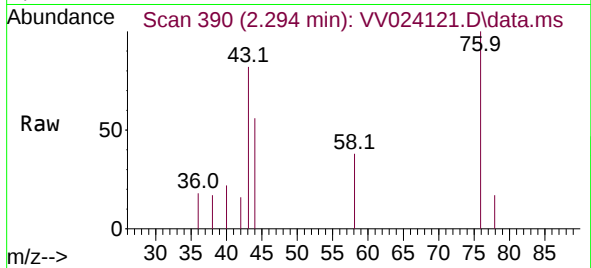




#14
Carbon disulfide
Concen: 0.052 ug/L
RT: 2.294 min Scan# 391
Delta R.T. -0.003 min
Lab File: VV024121.D
Acq: 20 Dec 2021 04:35

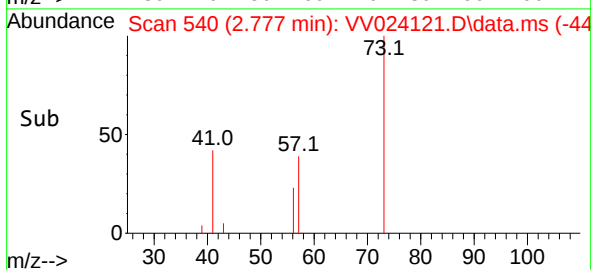
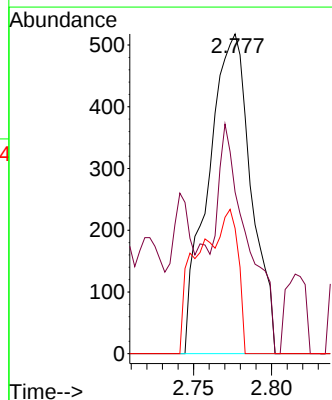
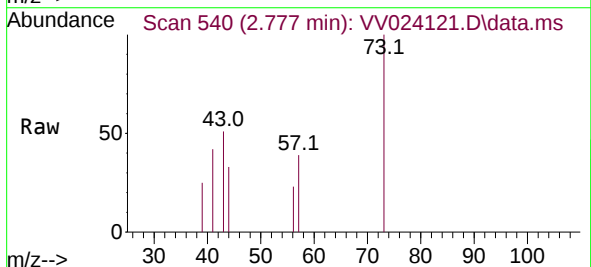
Instrument :
MSVOA_V
ClientSampleId :

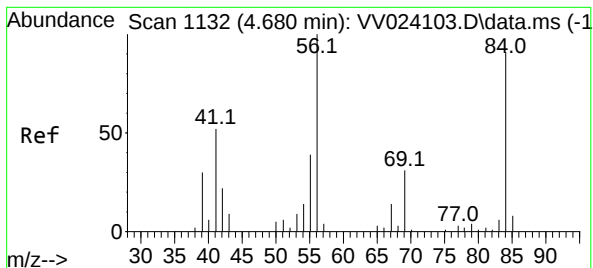
Tgt Ion: 76 Resp: 878
Ion Ratio Lower Upper
76 100
78 16.9 7.5 11.3#



#17
Methyl tert-butyl Ether
Concen: 0.076 ug/L
RT: 2.777 min Scan# 540
Delta R.T. 0.006 min
Lab File: VV024121.D
Acq: 20 Dec 2021 04:35

Tgt Ion: 73 Resp: 996
Ion Ratio Lower Upper
73 100
43 49.9 15.5 23.3#
57 41.5 17.1 25.7#





#30

Cyclohexane

Concen: 0.934 ug/L

RT: 4.680 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VV024121.D

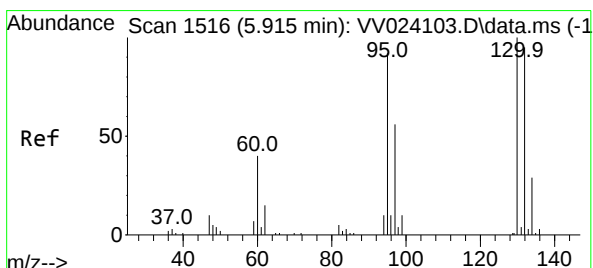
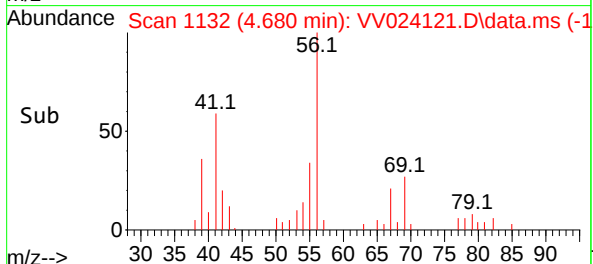
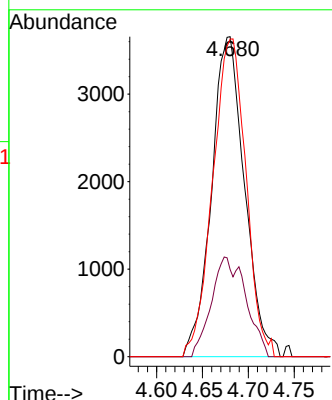
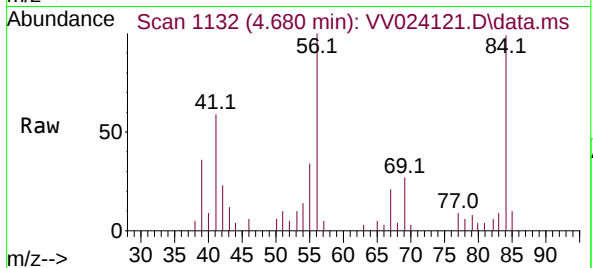
Acq: 20 Dec 2021 04:35

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	56	Resp:	9148
Ion	Ratio	Lower	Upper
56	100		
69	19.9	24.8	37.2#
84	99.7	75.9	113.9



#34

Trichloroethene

Concen: 46.925 ug/L

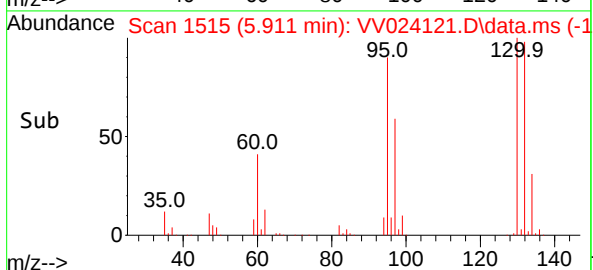
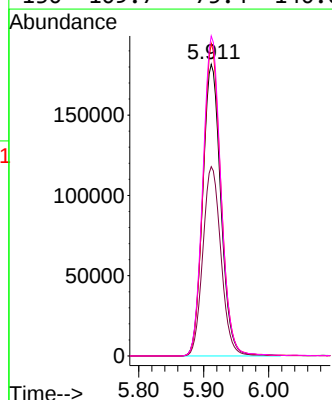
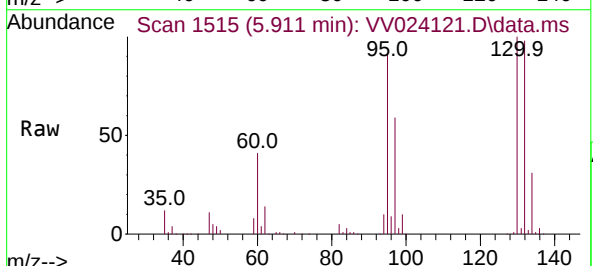
RT: 5.911 min Scan# 1515

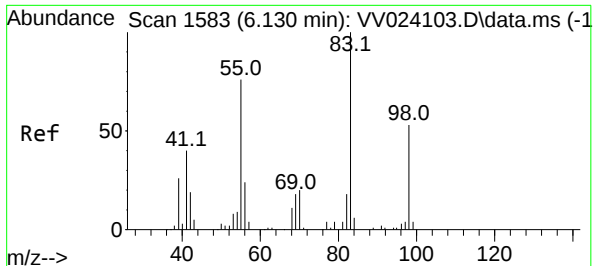
Delta R.T. -0.003 min

Lab File: VV024121.D

Acq: 20 Dec 2021 04:35

Tgt Ion:	95	Resp:	353364
Ion	Ratio	Lower	Upper
95	100		
97	64.9	45.2	84.0
132	107.2	76.1	141.3
130	109.7	75.4	140.0





#35

Methylcyclohexane

Concen: 0.678 ug/L

RT: 6.075 min Scan# 1566

Delta R.T. -0.055 min

Lab File: VV024121.D

Acq: 20 Dec 2021 04:35

Instrument :

MSVOA_V

ClientSampleId :

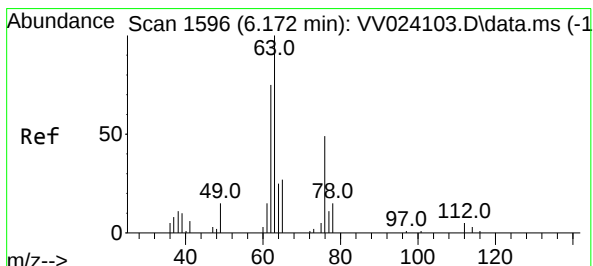
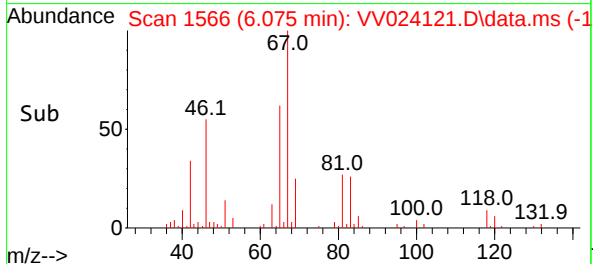
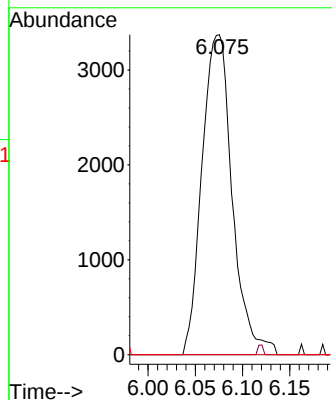
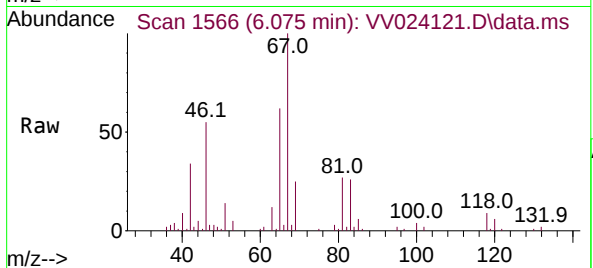
Tgt Ion: 83 Resp: 7511

Ion Ratio Lower Upper

83 100

55 0.5 60.2 90.2#

98 0.0 41.0 61.4#



#37

1,2-Dichloropropane

Concen: 0.556 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.103 min

Lab File: VV024121.D

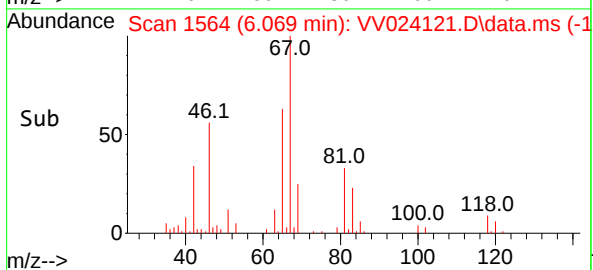
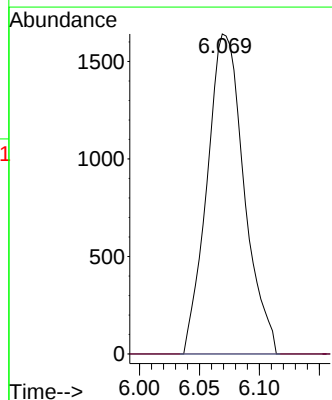
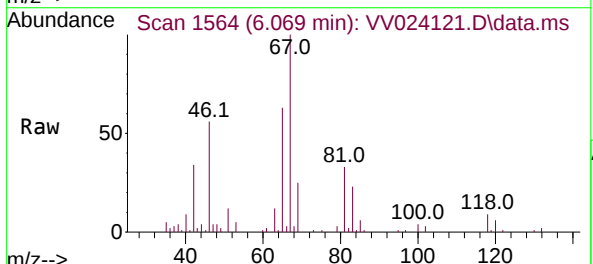
Acq: 20 Dec 2021 04:35

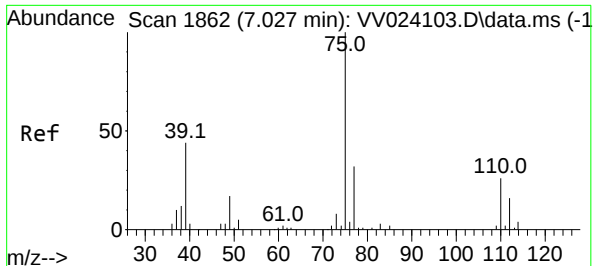
Tgt Ion: 63 Resp: 3528

Ion Ratio Lower Upper

63 100

112 0.0 4.3 6.5#





#39

cis-1,3-Dichloropropene

Concen: 0.083 ug/L

RT: 6.985 min Scan# 11

Delta R.T. -0.042 min

Lab File: VV024121.D

Acq: 20 Dec 2021 04:35

Instrument :

MSVOA_V

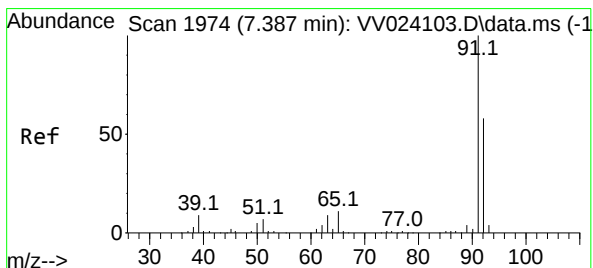
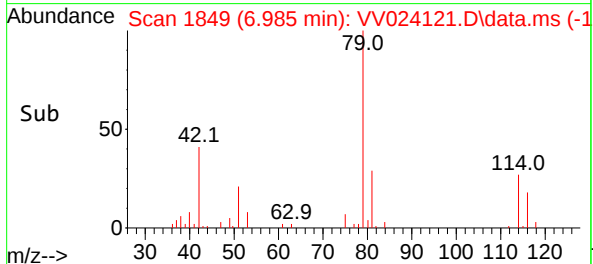
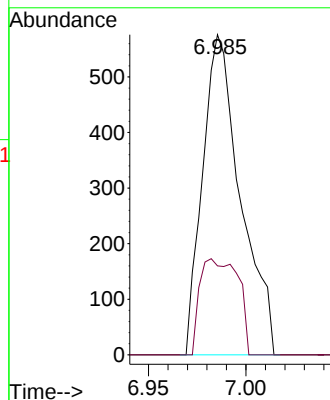
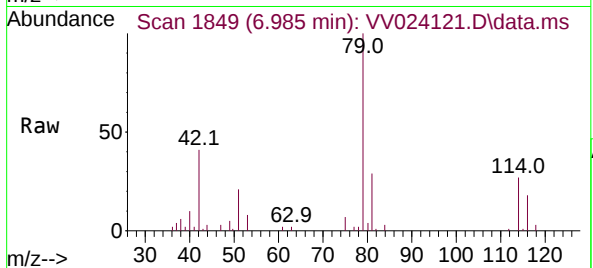
ClientSampleId :

Tgt Ion: 75 Resp: 779

Ion Ratio Lower Upper

75 100

77 27.8 22.0 41.0



#42

Toluene

Concen: 0.066 ug/L

RT: 7.397 min Scan# 1977

Delta R.T. 0.010 min

Lab File: VV024121.D

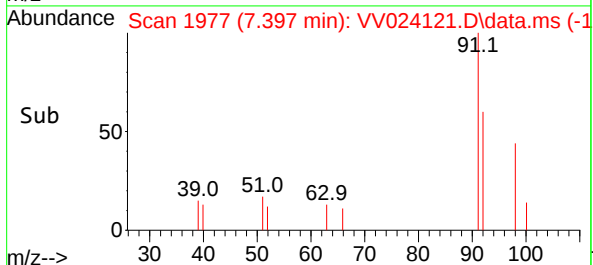
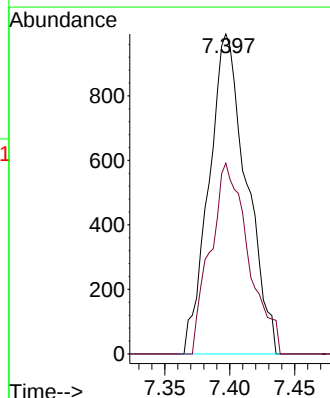
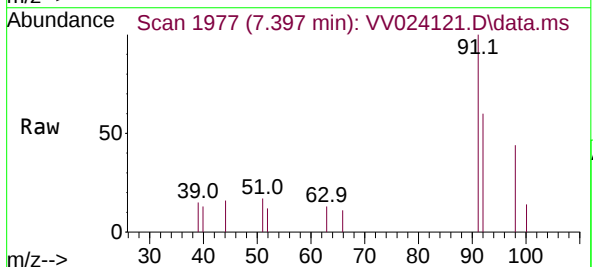
Acq: 20 Dec 2021 04:35

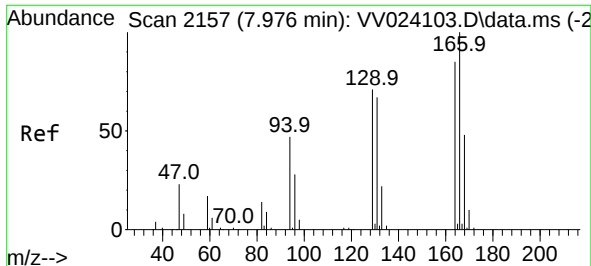
Tgt Ion: 91 Resp: 1992

Ion Ratio Lower Upper

91 100

92 59.6 41.5 77.1





#47

Tetrachloroethene

Concen: 0.277 ug/L

RT: 7.973 min Scan# 2157

Delta R.T. -0.003 min

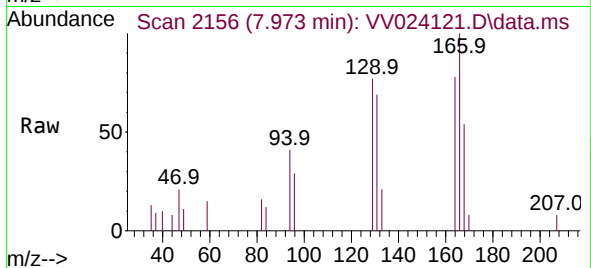
Lab File: VV024121.D

Acq: 20 Dec 2021 04:35

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 1838

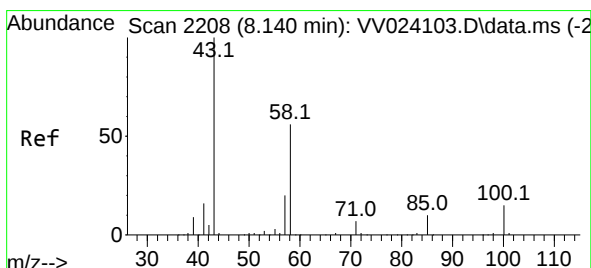
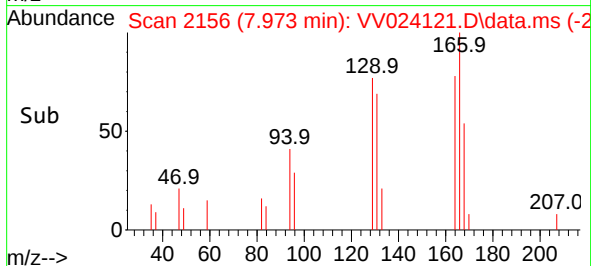
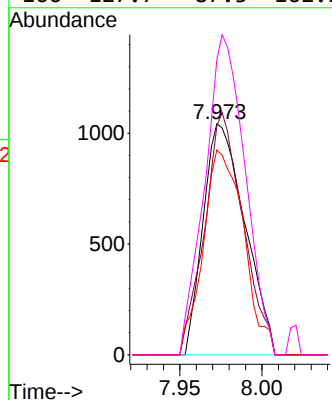
Ion Ratio Lower Upper

164 100

129 98.8 62.6 116.2

131 88.6 61.0 113.4

166 127.7 87.3 162.1



#48

2-Hexanone

Concen: 1.938 ug/L

RT: 8.140 min Scan# 2208

Delta R.T. -0.000 min

Lab File: VV024121.D

Acq: 20 Dec 2021 04:35

Tgt Ion: 43 Resp: 4283

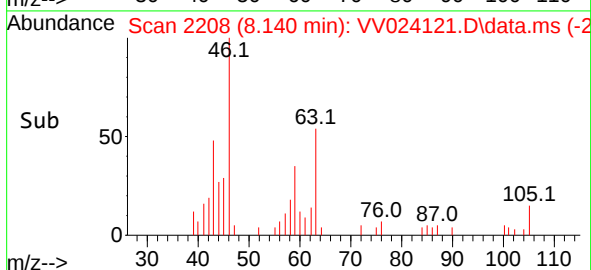
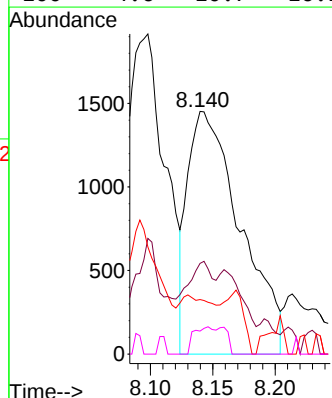
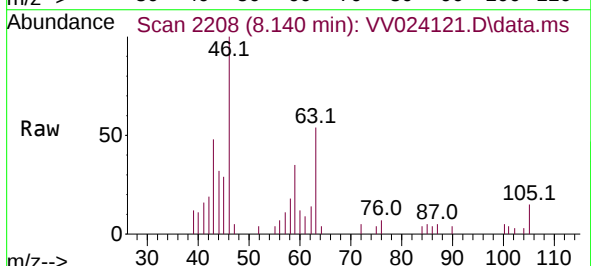
Ion Ratio Lower Upper

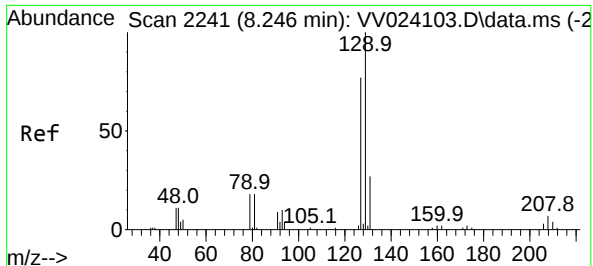
43 100

58 20.8 44.5 66.7#

57 14.5 15.1 22.7#

100 4.6 10.7 16.1#





#49

Dibromochloromethane

Concen: 0.275 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.270 min

Lab File: VV024121.D

Acq: 20 Dec 2021 04:35

Instrument :

MSVOA_V

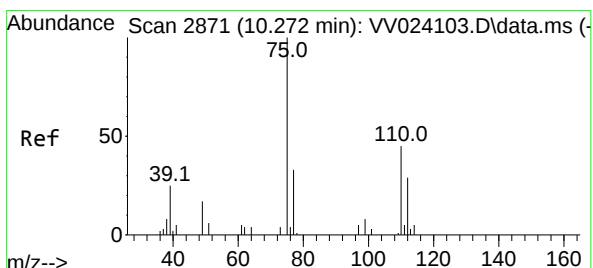
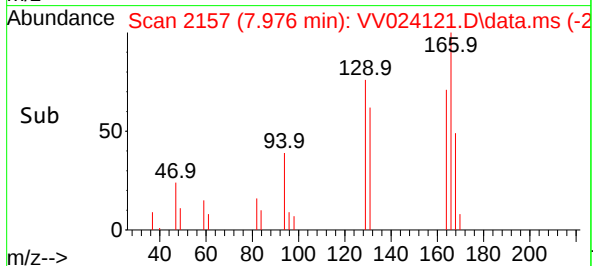
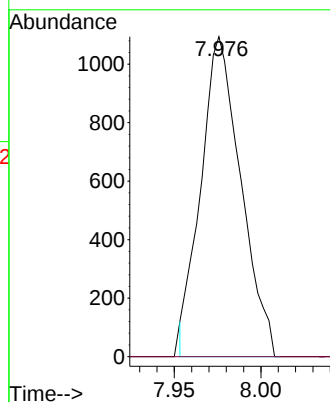
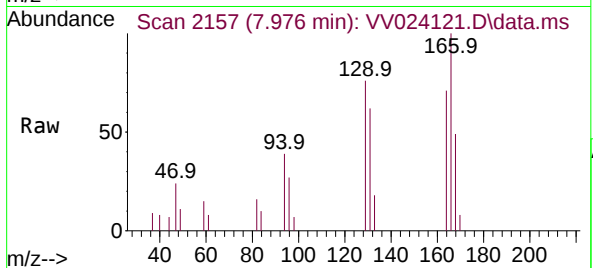
ClientSampleId :

Tgt Ion:129 Resp: 1754

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.3#



#61

1,2,3-Trichloropropane

Concen: 1.484 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.977 min

Lab File: VV024121.D

Acq: 20 Dec 2021 04:35

Tgt Ion: 75 Resp: 4658

Ion Ratio Lower Upper

75 100

77 32.7 26.4 39.6

110 0.0 34.2 51.2#

