

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060620\
 Data File : VV016584.D
 Acq On : 06 Jun 2020 12:54
 Operator : SY/MD
 Sample : L2895-04
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EW0H0

Quant Time: Jun 06 23:49:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 06 23:47:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	347886	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	327131	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	157974	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	96649	39.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.44%
7) Chloroethane-d5	1.57	69	74436	41.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.70%
11) 1,1-Dichloroethene-d2	2.12	63	136254	31.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.38%
21) 2-Butanone-d5	3.89	46	175053	111.11	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.11%
24) Chloroform-d	4.37	84	220229	47.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.26%
26) 1,2-Dichloroethane-d4	5.05	65	154421	49.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.74%
32) Benzene-d6	5.07	84	436591	49.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.64%
36) 1,2-Dichloropropane-d6	6.09	67	140615	51.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.00%
41) Toluene-d8	7.34	98	391595	49.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.42%
43) trans-1,3-Dichloropropene-	7.64	79	66808	50.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.42%
47) 2-Hexanone-d5	8.11	63	127590	109.11	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.11%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	185054	49.97	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.94%
64) 1,2-Dichlorobenzene-d4	11.65	152	163402	55.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.08%

Target Compounds

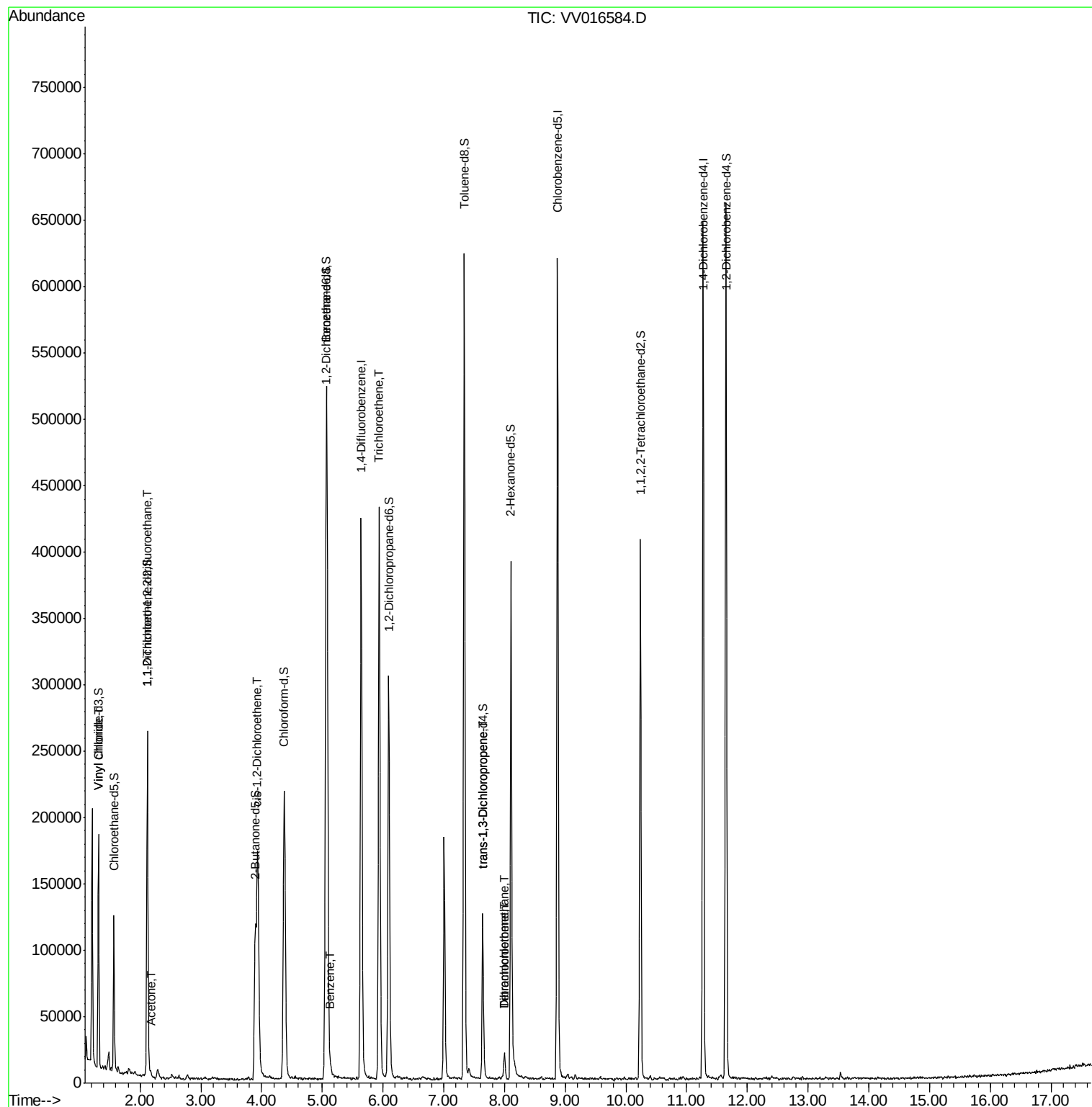
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	2717	1.017	ug/L #	17
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1321	0.658	ug/L #	21
13) Acetone	2.17	43	4088	2.776	ug/L	79
20) cis-1,2-Dichloroethene	3.94	96	83502	31.750	ug/L	99
33) Benzene	5.13	78	7761	0.807	ug/L	100
34) Trichloroethene	5.94	95	146947	58.209	ug/L	95
44) trans-1,3-Dichloropropene	7.64	75	3237	0.902	ug/L	93
46) Tetrachloroethene	8.00	164	4405	2.263	ug/L	97
49) Dibromochloromethane	8.00	129	4229	1.794	ug/L #	10

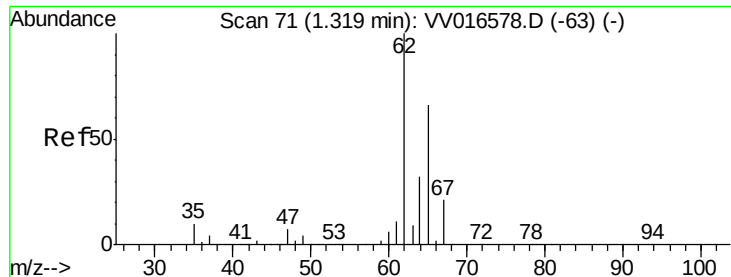
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jun 06 23:47:35 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.017 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV016584.D

Acq: 06 Jun 2020 12:54

Instrument :

MSVOA_V

ClientSampled :

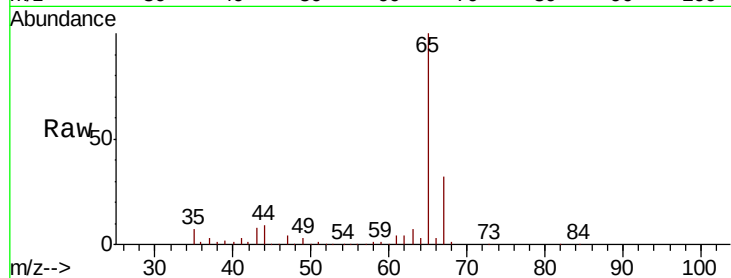
EW0H0

Tot Ion: 62 Resp: 2717

Ion Ratio Lower Upper

62 100

64 78.9 22.7 42.1#



Abundance Ion 62.00 (61.70 to 62.70): VV016578.D (-63) (-)

Ion 64.00 (63.70 to 64.70): VV016578.D (-63) (-)

1.32

2500

2000

1500

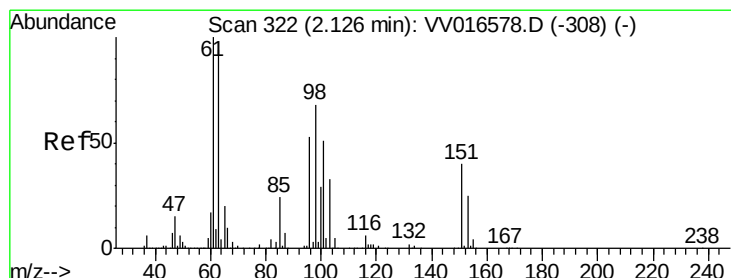
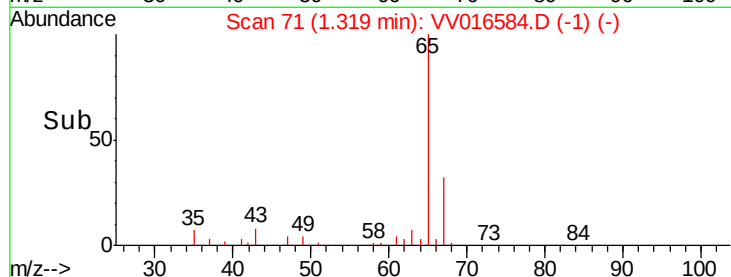
1000

500

0

1.28 1.30 1.32 1.34 1.36

Time-->



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.658 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV016584.D

Acq: 06 Jun 2020 12:54

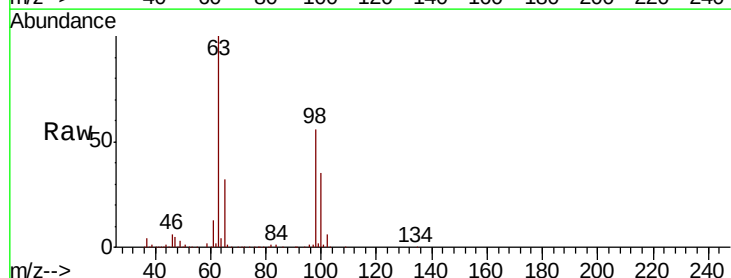
Tgt Ion:101 Resp: 1321

Ion Ratio Lower Upper

101 100

85 5.1 35.6 53.4#

151 0.0 61.8 92.8#



Abundance Ion 101.00 (100.70 to 101.70): VV016578.D (-308) (-)

Ion 85.00 (84.70 to 85.70): VV016578.D (-308) (-)

Ion 151.00 (150.70 to 151.70): VV016578.D (-308) (-)

1200

1000

800

600

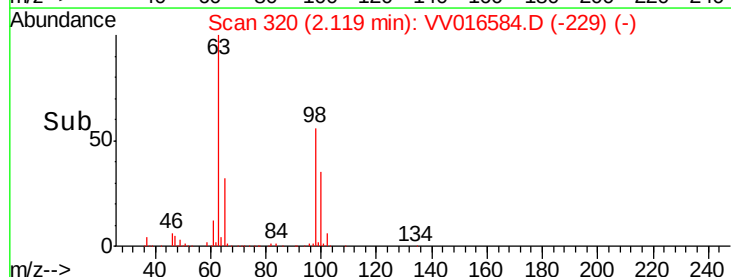
400

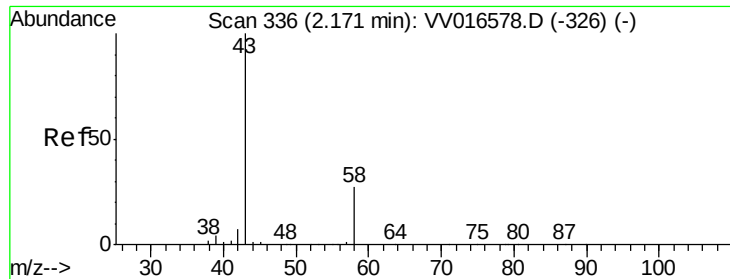
200

0

2.08 2.10 2.12 2.14 2.16

Time-->





#13

Acetone

Concen: 2.776 ug/L

RT: 2.17 min Scan# 336

Delta R.T. 0.00 min

Lab File: VV016584.D

Acq: 06 Jun 2020 12:54

Instrument :

MSVOA_V

ClientSampled :

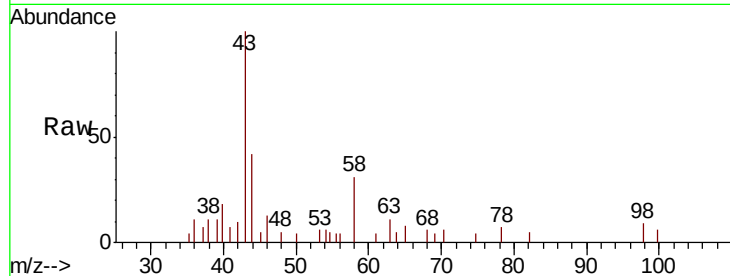
EW0H0

Tot Ion: 43 Resp: 4088

Ion Ratio Lower Upper

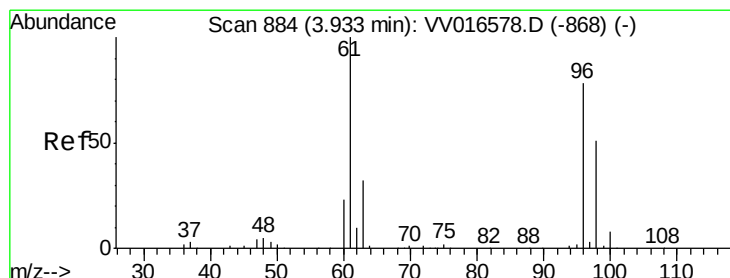
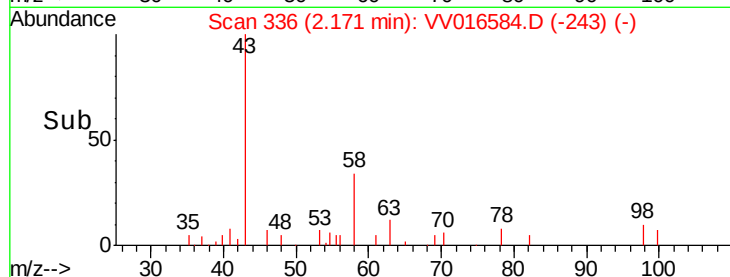
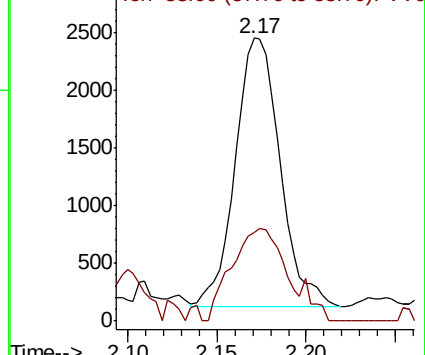
43 100

58 39.7 0.0 57.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 31.750 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV016584.D

Acq: 06 Jun 2020 12:54

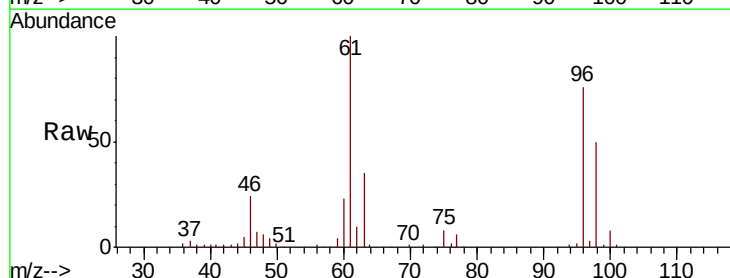
Tgt Ion: 96 Resp: 83502

Ion Ratio Lower Upper

96 100

61 131.7 93.4 173.4

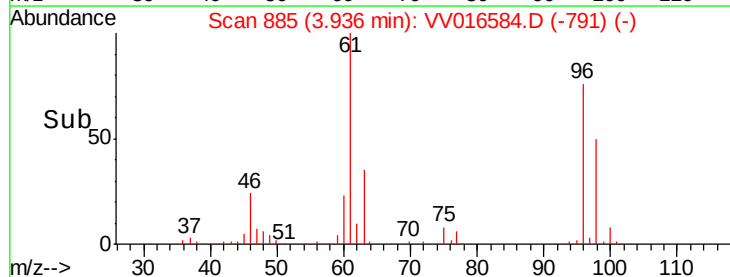
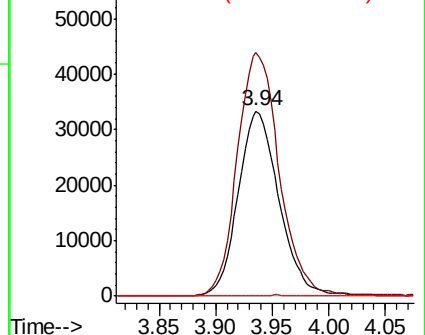
68 0.0 0.0 0.0

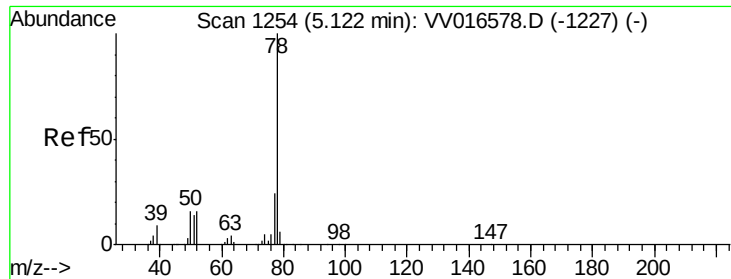


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#33

Benzene

Concen: 0.807 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VV016584.D

Acq: 06 Jun 2020 12:54

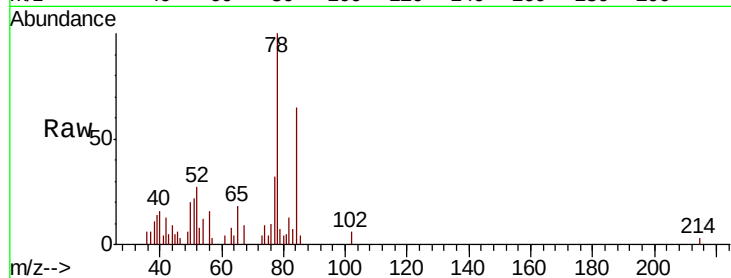
Instrument :

MSVOA_V

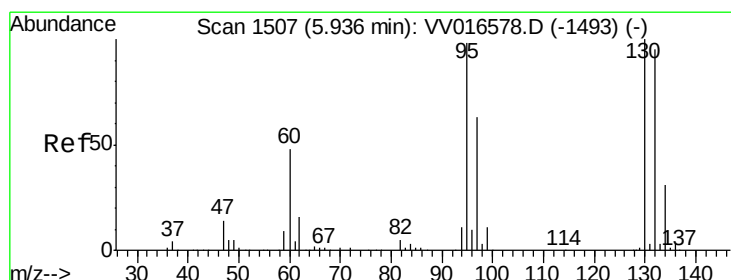
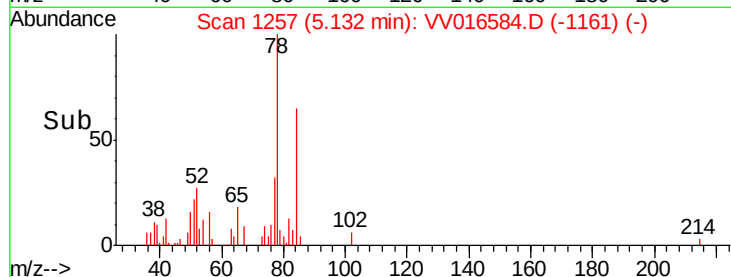
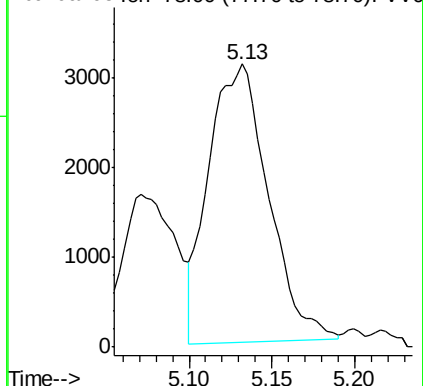
ClientSampled :

EW0H0

Tgt Ion: 78 Resp: 7761



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 58.209 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV016584.D

Acq: 06 Jun 2020 12:54

Tgt Ion: 95 Resp: 146947

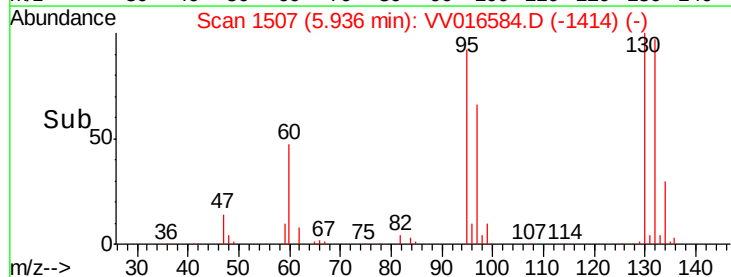
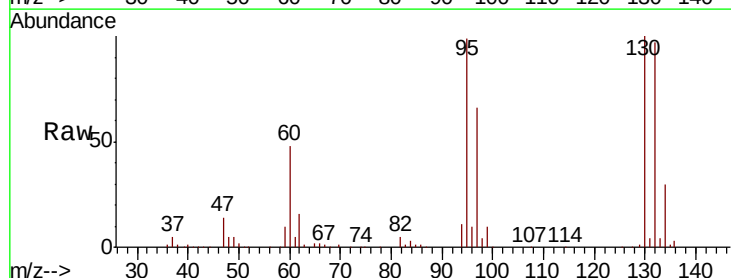
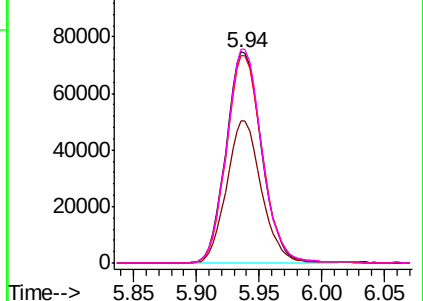
Ion	Ratio	Lower	Upper
95	100		
97	67.0	42.8	79.6
132	98.5	65.6	121.8
130	101.2	69.0	128.1

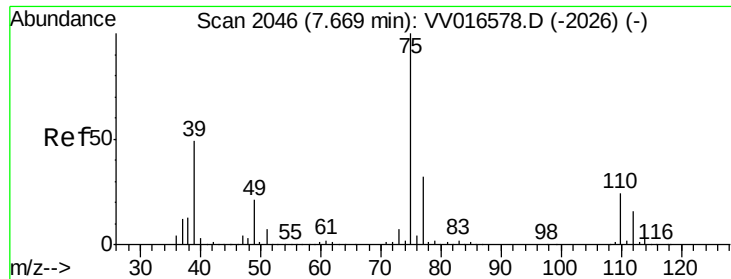
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0





#44

trans-1,3-Dichloropropene

Concen: 0.902 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV016584.D

Acq: 06 Jun 2020 12:54

Instrument :

MSVOA_V

ClientSampleId :

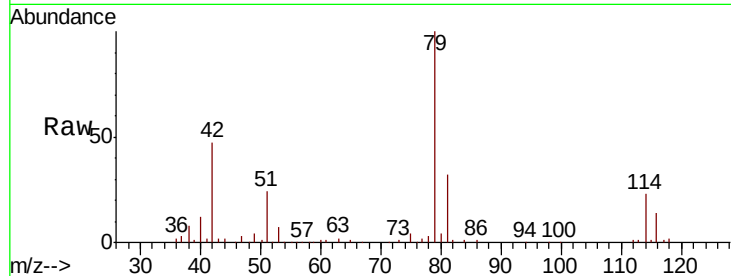
EW0H0

Tot Ion: 75 Resp: 3237

Ion Ratio Lower Upper

75 100

77 35.3 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VV016578.D (-2026) (-)

Ion 77.00 (76.70 to 77.70): VV016578.D (-2026) (-)

7.64

1500

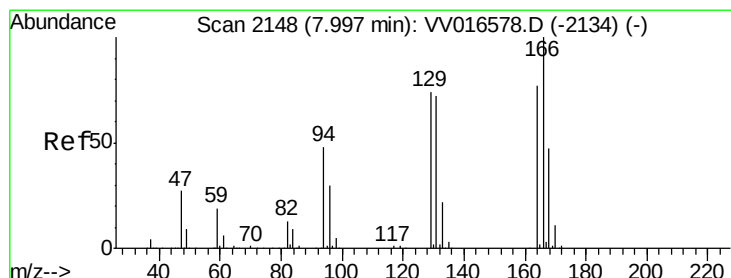
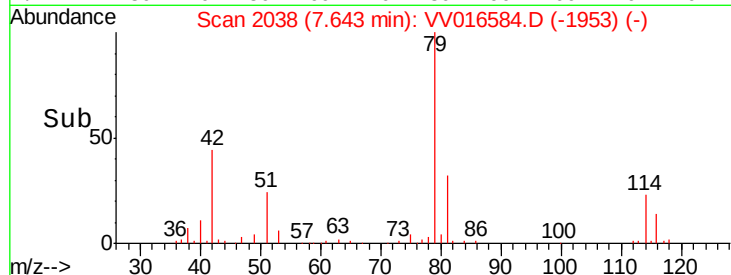
1000

500

0

7.60 7.65 7.70

Time-->



#46

Tetrachloroethene

Concen: 2.263 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV016584.D

Acq: 06 Jun 2020 12:54

Tgt Ion: 164 Resp: 4405

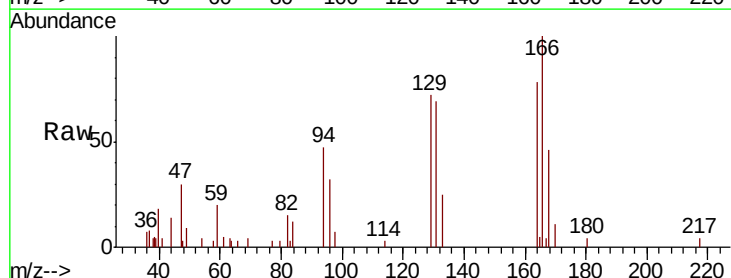
Ion Ratio Lower Upper

164 100

129 92.5 67.7 125.7

131 89.2 63.8 118.6

166 128.7 88.7 164.7



Abundance Ion 164.00 (163.70 to 164.70): VV016578.D (-2134) (-)

Ion 129.00 (128.70 to 129.70): VV016578.D (-2134) (-)

Ion 131.00 (130.70 to 131.70): VV016578.D (-2134) (-)

Ion 166.00 (165.70 to 166.70): VV016578.D (-2134) (-)

5000

4000

3000

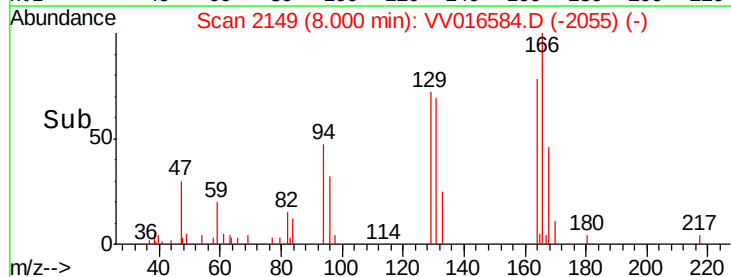
2000

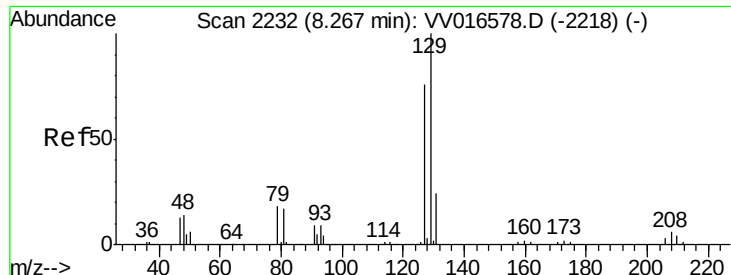
1000

0

7.95 8.00 8.05

Time-->





#49
 Dibromochloromethane
 Concen: 1.794 ug/L
 RT: 8.00 min Scan# 2150
 Delta R.T. -0.26 min
 Lab File: VV016584.D
 Acq: 06 Jun 2020 12:54

Instrument :
 MSVOA_V
 ClientSampleId :
 EW0H0

Tot Ion:129 Resp: 4229
 Ion Ratio Lower Upper
 129 100
 127 0.0 54.6 101.4#

