

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062420\
 Data File : VV017074.D
 Acq On : 24 Jun 2020 16:17
 Operator : SY/MD
 Sample : L3093-02
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ETTN1

Quant Time: Jun 25 02:01:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 25 01:16:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	207417	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	199990	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	101148	5.00	ug/L	0.00

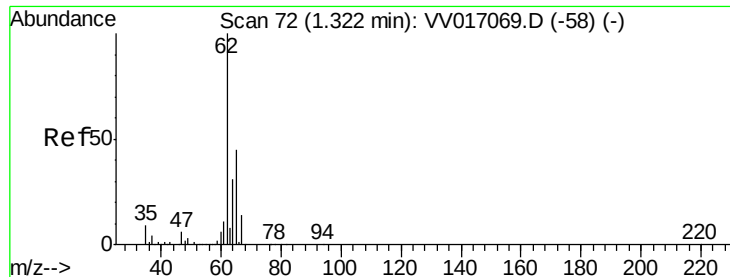
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	41652	3.35	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.00%
7) Chloroethane-d5	1.58	69	35577	3.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.60%
11) 1,1-Dichloroethene-d2	2.13	63	64718	2.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.60%#
20) 2-Butanone-d5	3.92	46	123290	38.86	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	77.72%
24) Chloroform-d	4.38	84	107785	4.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.00%
26) 1,2-Dichloroethane-d4	5.06	65	58282	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.60%
32) Benzene-d6	5.08	84	202039	3.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.00%
36) 1,2-Dichloropropane-d6	6.10	67	59932	3.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	77.20%
41) Toluene-d8	7.34	98	183930	3.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.60%
45) trans-1,3-Dichloropropene-	7.64	79	24130	3.73	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.60%
48) 2-Hexanone-d5	8.11	63	97039	39.37	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.74%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	44230	4.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	74985	4.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	80.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	19007	1.396	ug/L	91
8) Chloroethane	1.60	64	2709	0.360	ug/L	97
18) trans-1,2-Dichloroethene	2.78	96	4149	0.393	ug/L	95
19) 1,1-Dichloroethane	3.21	63	15758	0.665	ug/L	90
22) cis-1,2-Dichloroethene	3.94	96	40030	2.775	ug/L	99
33) Benzene	5.13	78	5292	0.101	ug/L	100
34) Trichloroethene	5.94	95	10999	0.717	ug/L	95
53) Chlorobenzene	8.90	112	34670	0.913	ug/L	98
63) 1,3-Dichlorobenzene	11.20	146	19200	0.631	ug/L	95
64) 1,4-Dichlorobenzene	11.30	146	7118	0.230	ug/L	92

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



#5

Vinyl chloride

Concen: 1.396 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

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MSVOA_V

ClientSampleId :

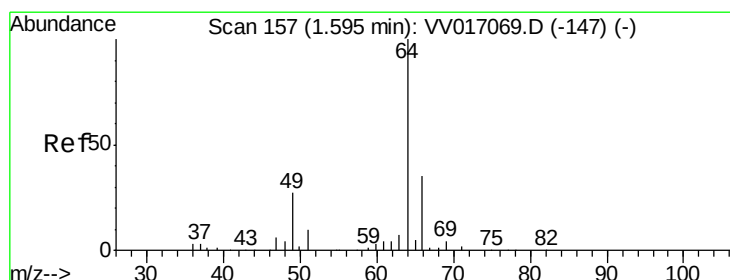
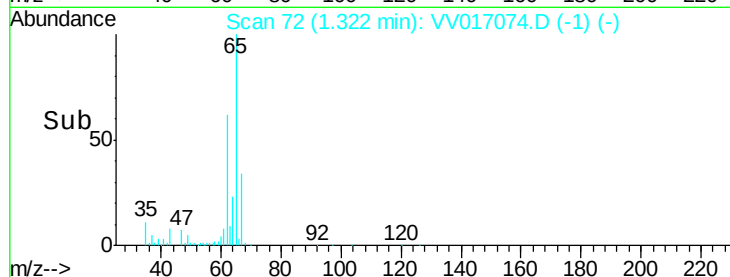
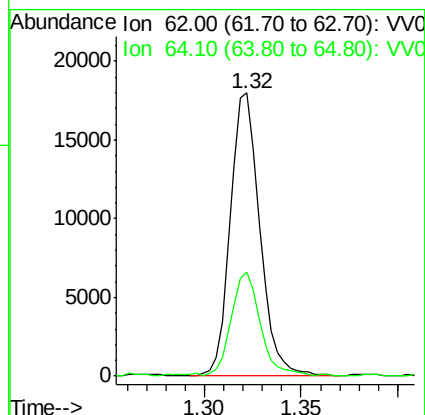
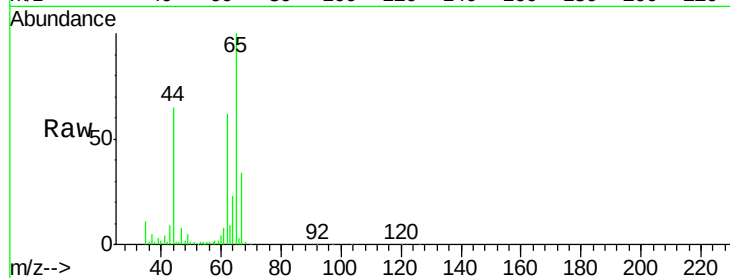
ETTN1

Tot Ion: 62 Resp: 19007

Ion Ratio Lower Upper

62 100

64 36.9 22.5 41.7



#8

Chloroethane

Concen: 0.360 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV017074.D

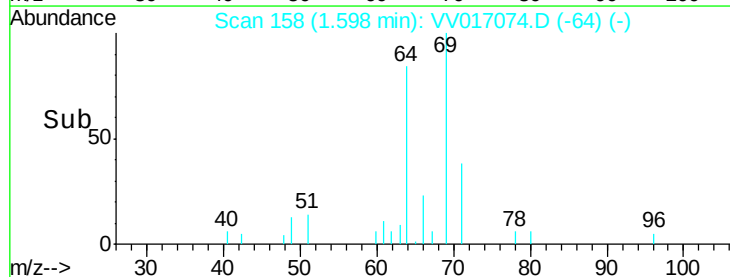
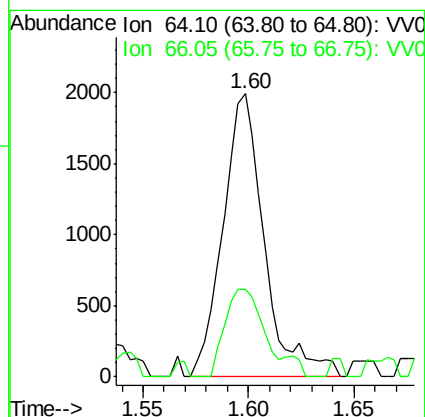
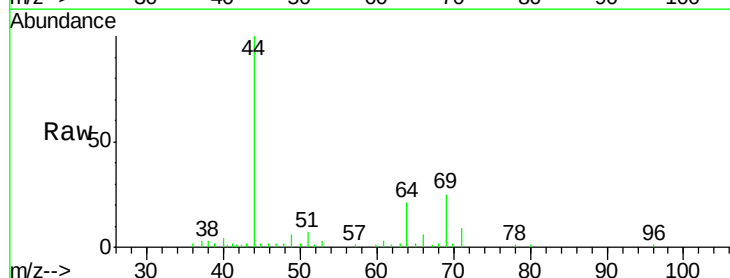
Acq: 24 Jun 2020 16:17

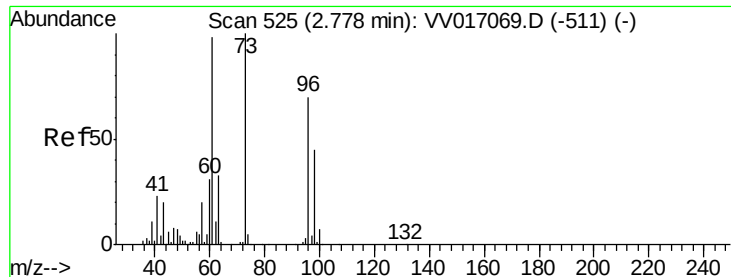
Tgt Ion: 64 Resp: 2709

Ion Ratio Lower Upper

64 100

66 31.0 22.8 42.4





#18

trans-1,2-Dichloroethene

Concen: 0.393 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV017074.D

Acq: 24 Jun 2020 16:17

Instrument :

MSVOA_V

ClientSampleId :

ETTN1

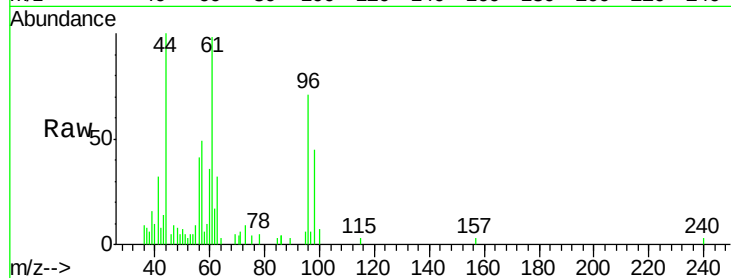
Tot Ion: 96 Resp: 4149

Ion Ratio Lower Upper

96 100

61 138.2 102.3 189.9

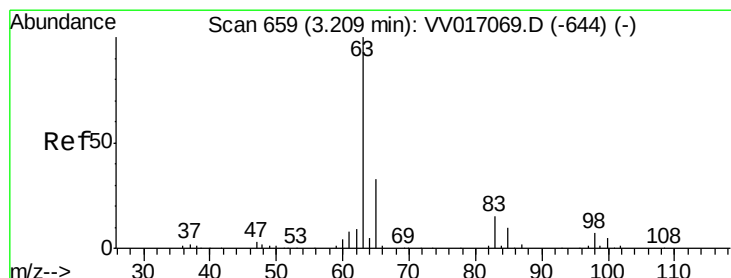
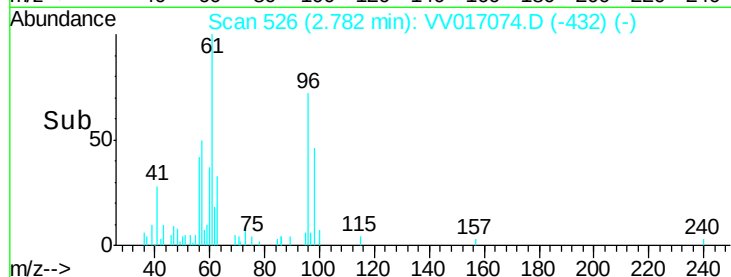
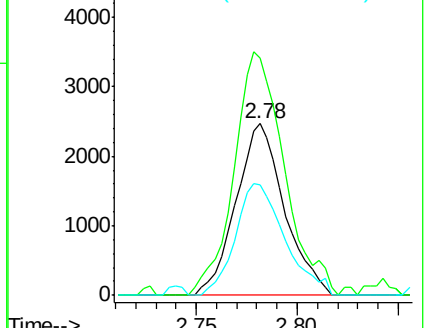
98 64.1 44.7 82.9



Abundance Ion 96.00 (95.70 to 96.70): VV017074.D (-432) (-)

Ion 61.05 (60.75 to 61.75): VV017074.D (-432) (-)

Ion 97.95 (97.65 to 98.65): VV017074.D (-432) (-)



#19

1,1-Dichloroethane

Concen: 0.665 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV017074.D

Acq: 24 Jun 2020 16:17

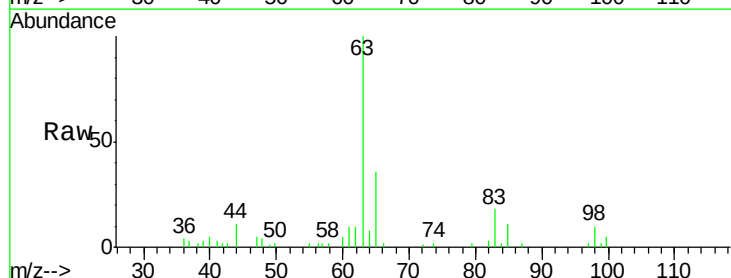
Tgt Ion: 63 Resp: 15758

Ion Ratio Lower Upper

63 100

65 36.4 21.8 40.4

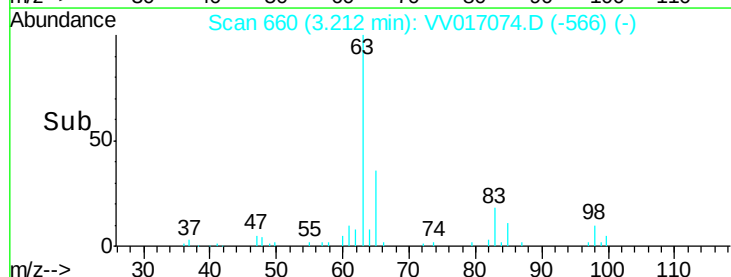
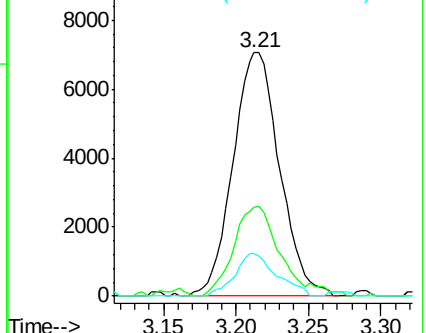
83 17.7 9.7 17.9

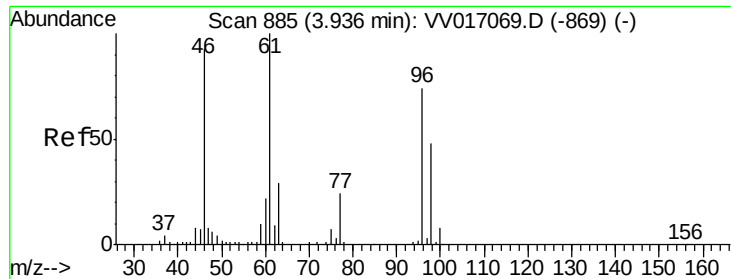


Abundance Ion 63.10 (62.80 to 63.80): VV017074.D (-566) (-)

Ion 65.10 (64.80 to 65.80): VV017074.D (-566) (-)

Ion 83.05 (82.75 to 83.75): VV017074.D (-566) (-)



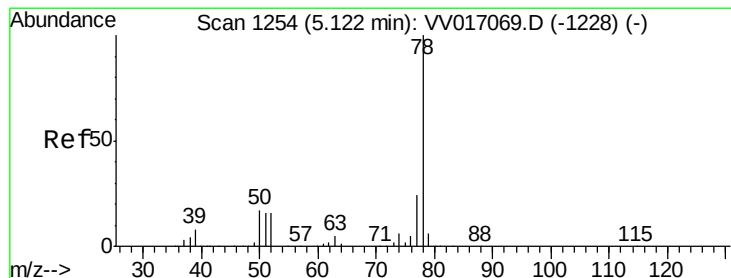
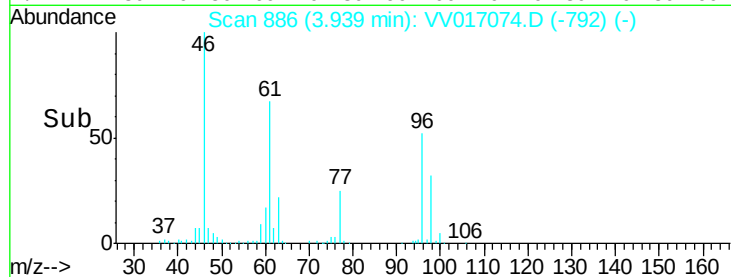
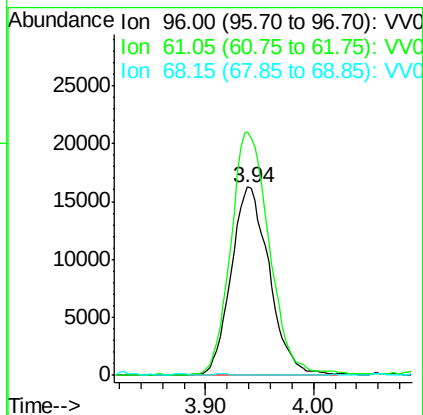
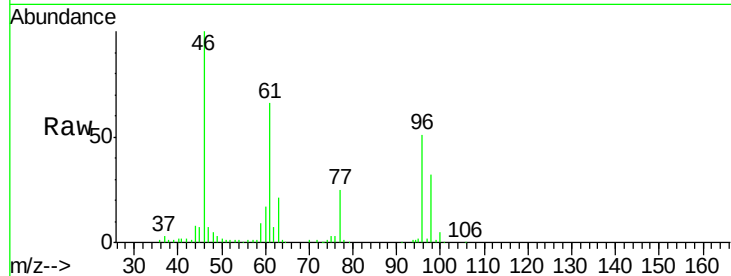


#22

cis-1,2-Dichloroethene
Concen: 2.775 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV017074.D
Acq: 24 Jun 2020 16:17

Instrument :
MSVOA_V
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ETTN1

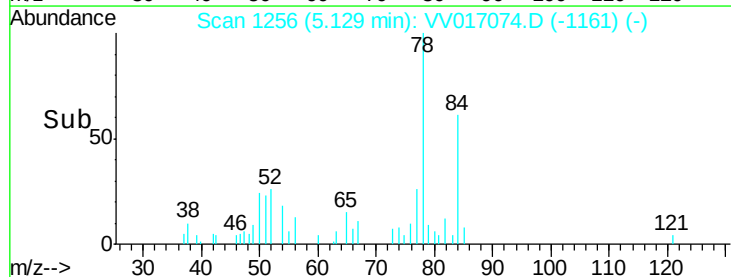
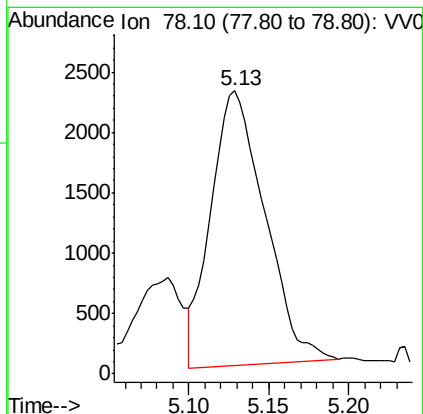
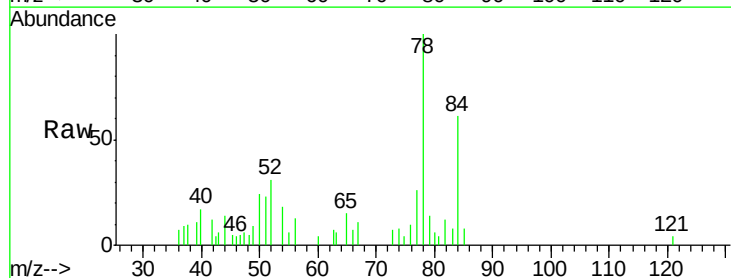
Tot Ion: 96 Resp: 40030
Ion Ratio Lower Upper
96 100
61 129.1 91.0 169.0
68 0.0 0.0 0.0

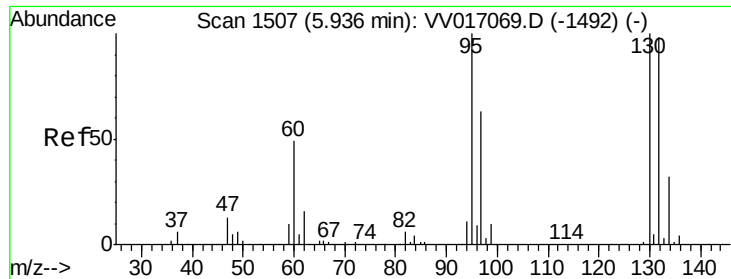


#33

Benzene
Concen: 0.101 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VV017074.D
Acq: 24 Jun 2020 16:17

Tgt Ion: 78 Resp: 5292





#34

Trichloroethene

Concen: 0.717 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017074.D

Acq: 24 Jun 2020 16:17

Instrument :

MSVOA_V

ClientSampleId :

ETTN1

Tot Ion: 95 Resp: 10999

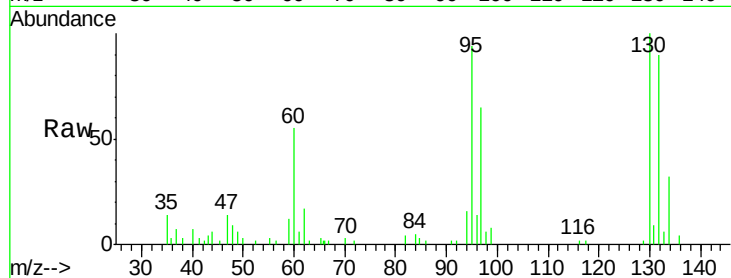
Ion Ratio Lower Upper

95 100

97 69.4 45.3 84.1

132 95.4 68.8 127.8

130 106.6 70.2 130.4

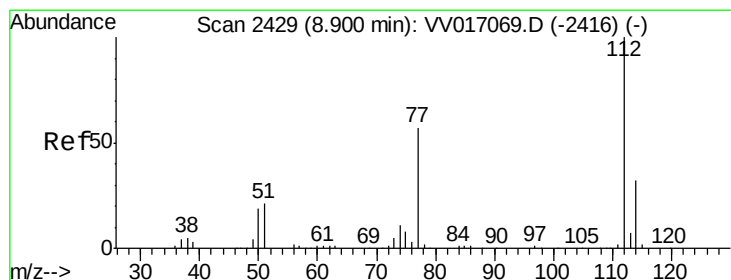
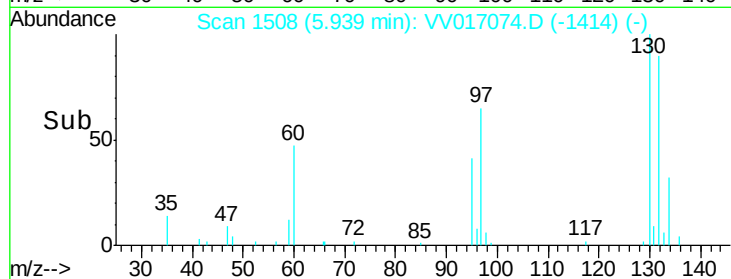
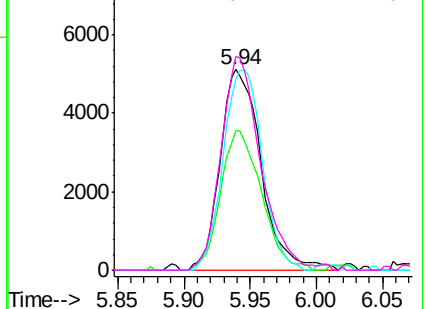


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#53

Chlorobenzene

Concen: 0.913 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV017074.D

Acq: 24 Jun 2020 16:17

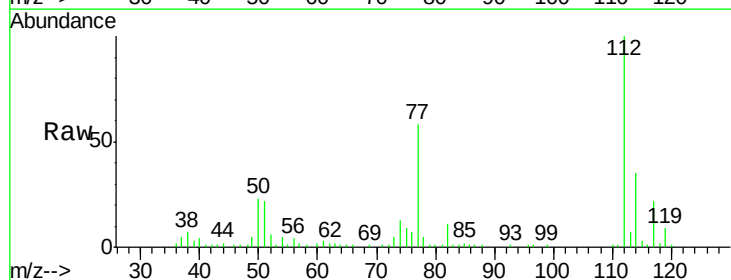
Tgt Ion: 112 Resp: 34670

Ion Ratio Lower Upper

112 100

114 34.5 22.0 41.0

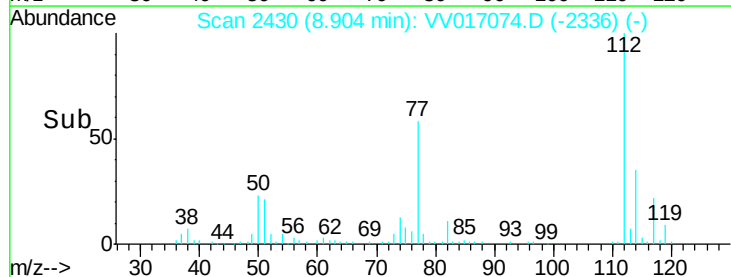
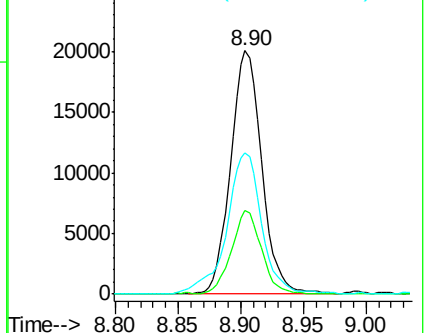
77 58.0 46.0 69.0

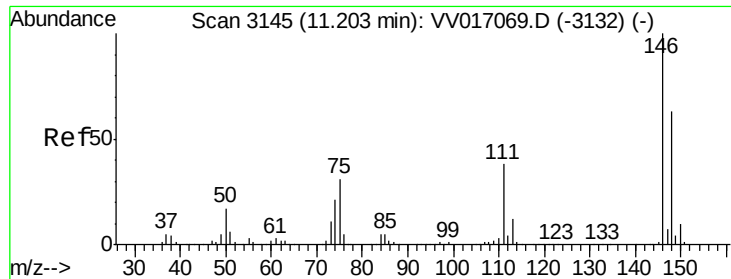


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0

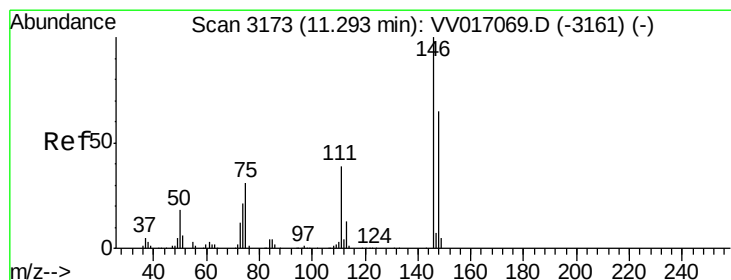
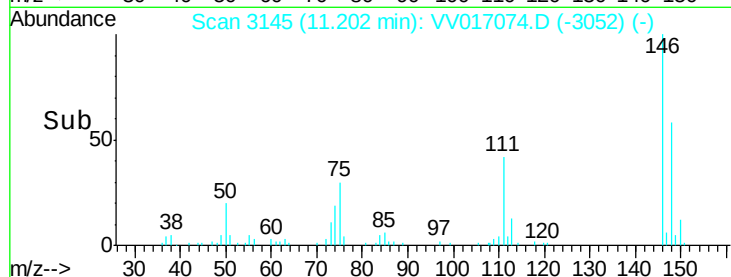
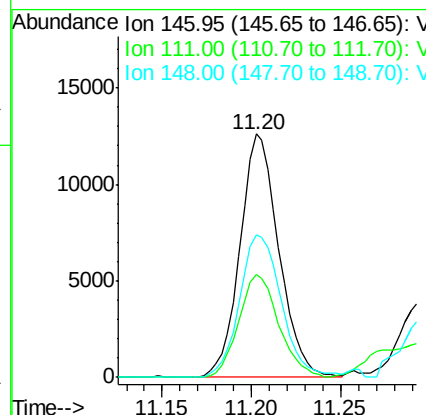
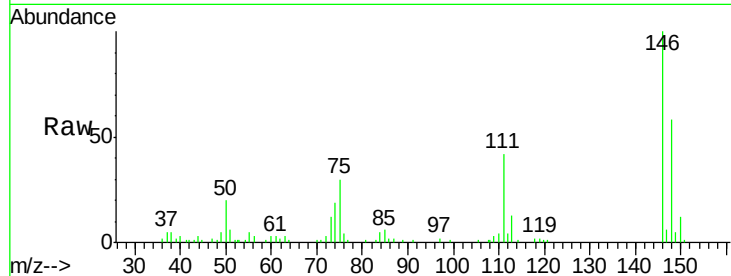




#63
 1,3-Dichlorobenzene
 Concen: 0.631 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV017074.D
 Acq: 24 Jun 2020 16:17

Instrument :
 MSVOA_V
 ClientSampleId :
 ETTN1

Tot Ion:146 Resp: 19200
 Ion Ratio Lower Upper
 146 100
 111 42.1 29.2 54.2
 148 58.4 44.9 83.5



#64
 1,4-Dichlorobenzene
 Concen: 0.230 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV017074.D
 Acq: 24 Jun 2020 16:17

Tgt Ion:146 Resp: 7118
 Ion Ratio Lower Upper
 146 100
 111 42.2 27.4 50.8
 148 71.4 44.3 82.3

