

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062320\
 Data File : VV017055.D
 Acq On : 23 Jun 2020 14:58
 Operator : SY/MD
 Sample : L3067-19DL 25X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXH6DL

Quant Time: Jun 24 06:32:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jun 24 05:01:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	179967	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	176289	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	87905	5.00	ug/L	0.00

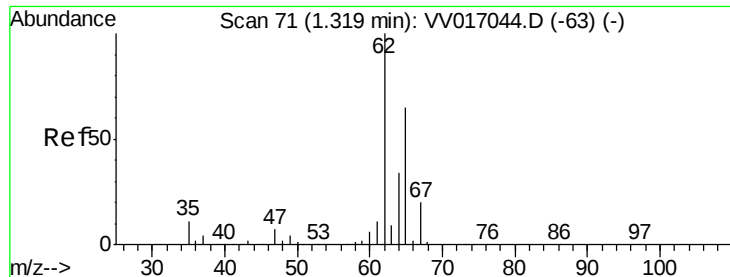
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	43864	4.06	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.20%
7) Chloroethane-d5	1.58	69	35967	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	2.13	63	118952	5.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	115.80%
20) 2-Butanone-d5	3.93	46	140036	50.87	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.74%
24) Chloroform-d	4.38	84	103969	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
26) 1,2-Dichloroethane-d4	5.06	65	61814	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
32) Benzene-d6	5.08	84	212926	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	6.10	67	62602	4.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.40%
41) Toluene-d8	7.34	98	194378	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.60%
45) trans-1,3-Dichloropropene-	7.64	79	24352	4.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.40%
48) 2-Hexanone-d5	8.11	63	84779	39.02	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.04%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	43854	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	80718	4.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	8657	0.733	ug/L	96
8) Chloroethane	1.60	64	11595	1.777	ug/L	92
12) 1,1-Dichloroethene	2.14	96	89733	10.389	ug/L #	78
19) 1,1-Dichloroethane	3.21	63	1666223	81.022	ug/L	99
22) cis-1,2-Dichloroethene	3.94	96	11024	0.881	ug/L	88
25) Chloroform	4.40	83	10218	0.455	ug/L	99
29) 1,1,1-Trichloroethane	4.64	97	6038482	285.904	ug/L	98
34) Trichloroethene	5.94	95	1540	0.114	ug/L	91
42) Toluene	7.41	91	6418	0.120	ug/L	96
47) 1,1,2-Trichloroethane	7.87	97	1288	0.159	ug/L	90
53) Chlorobenzene	8.90	112	14778	0.442	ug/L	95
66) 1,2-Dichlorobenzene	11.67	146	6874	0.286	ug/L #	79

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



#5

Vinyl chloride

Concen: 0.733 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017055.D

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Instrument :

MSVOA_V

ClientSampleId :

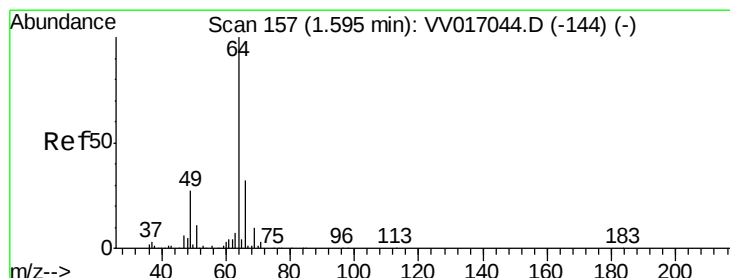
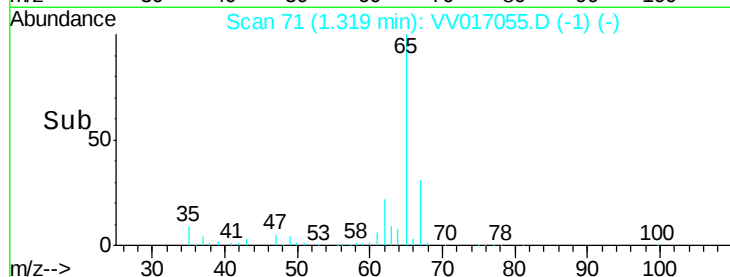
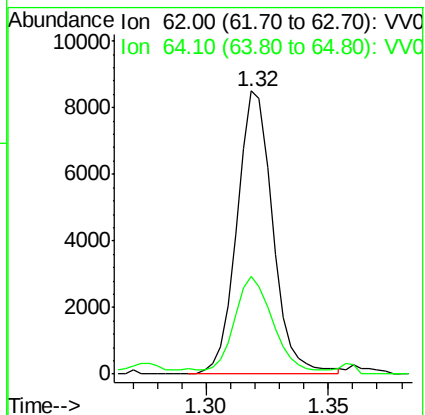
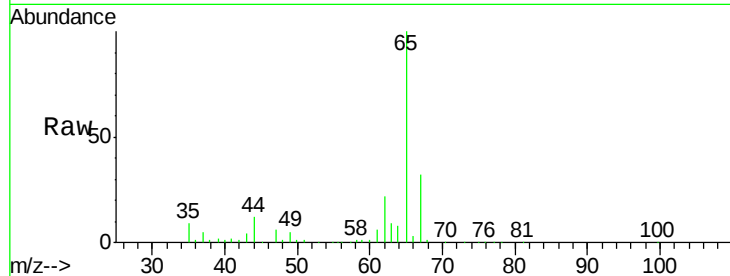
BFXH6DL

Tot Ion: 62 Resp: 8657

Ion Ratio Lower Upper

62 100

64 34.4 22.5 41.7



#8

Chloroethane

Concen: 1.777 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017055.D

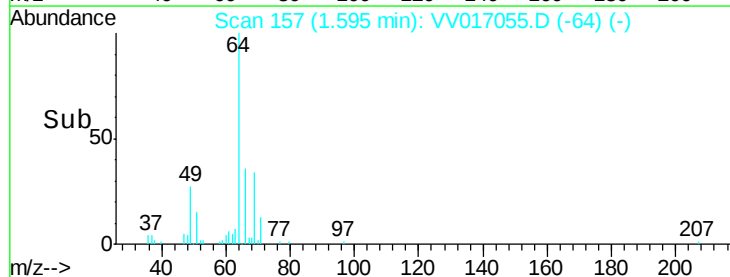
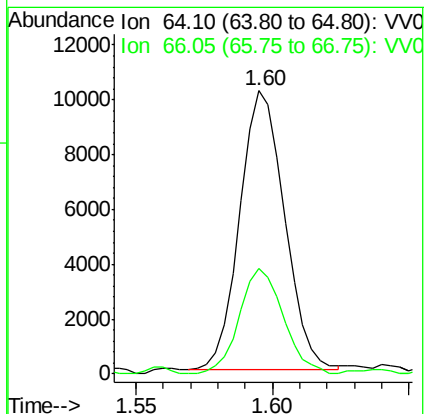
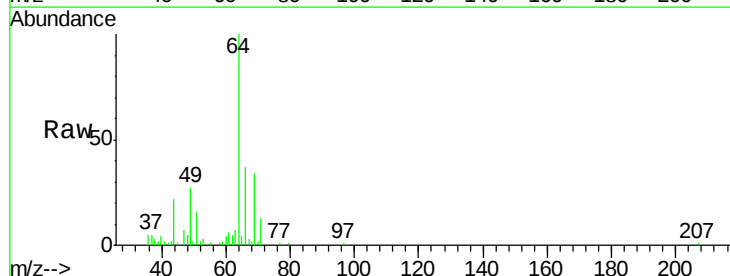
Acq: 23 Jun 2020 14:58

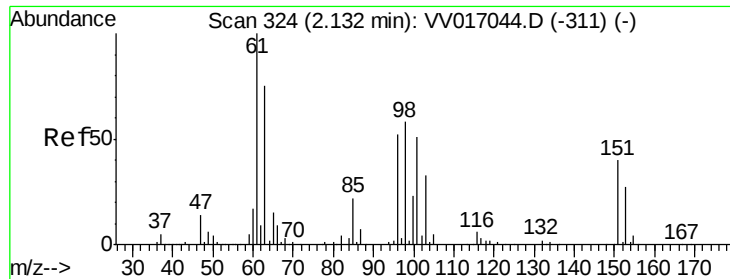
Tgt Ion: 64 Resp: 11595

Ion Ratio Lower Upper

64 100

66 37.2 22.8 42.4





#12

1,1-Dichloroethene

Concen: 10.389 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV017055.D

Acq: 23 Jun 2020 14:58

Instrument :

MSVOA_V

ClientSampleId :

BFXH6DL

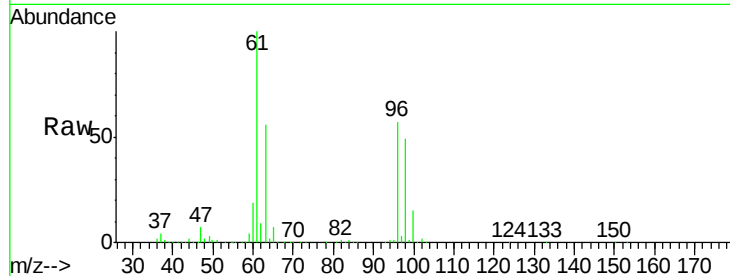
Tot Ion: 96 Resp: 89733

Ion Ratio Lower Upper

96 100

61 175.5 125.0 232.2

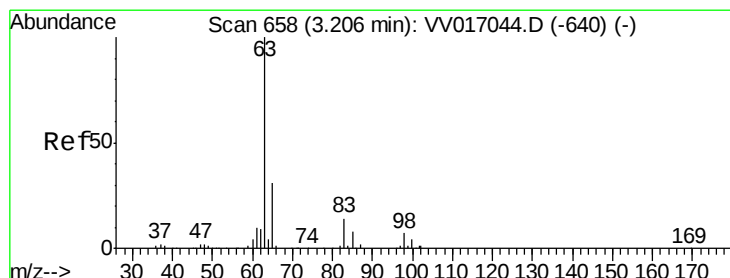
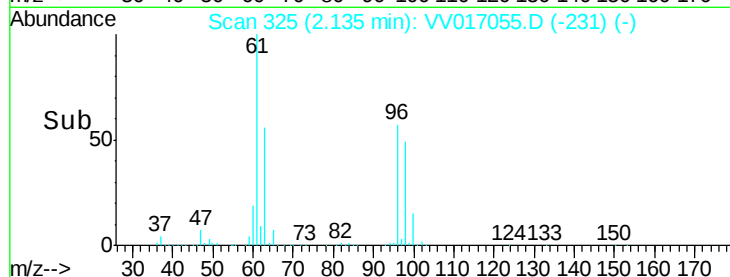
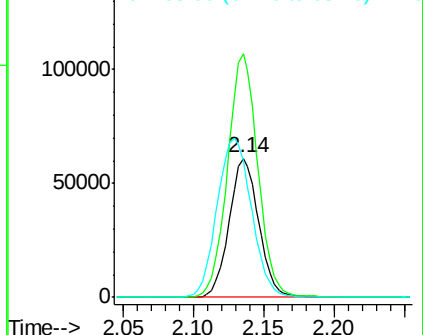
63 97.7 109.8 203.8#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0



#19

1,1-Dichloroethane

Concen: 81.022 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.01 min

Lab File: VV017055.D

Acq: 23 Jun 2020 14:58

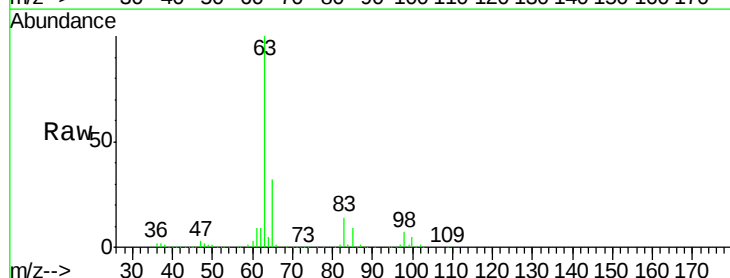
Tgt Ion: 63 Resp: 1666223

Ion Ratio Lower Upper

63 100

65 31.8 21.8 40.4

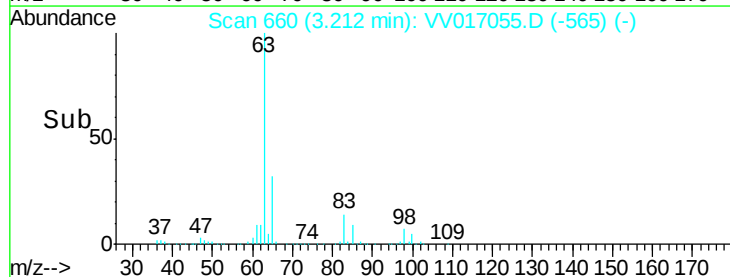
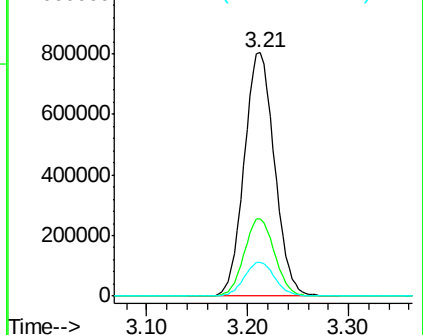
83 13.9 9.7 17.9

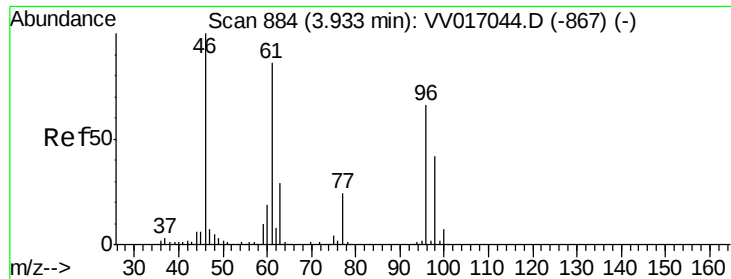


Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



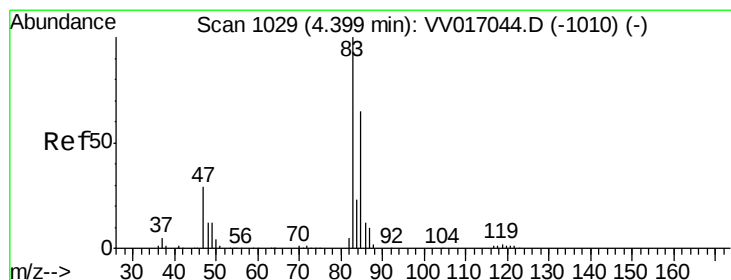
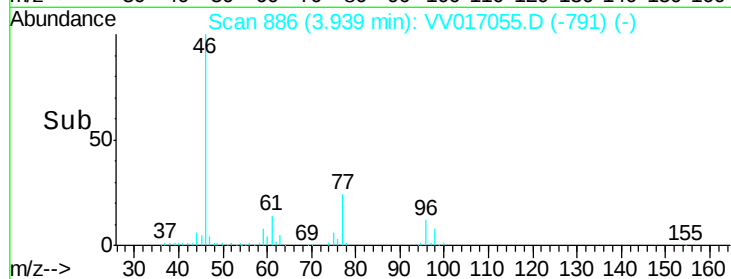
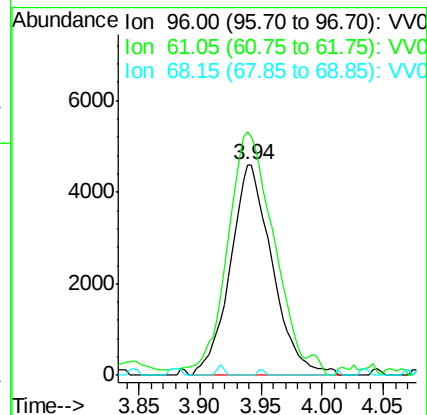
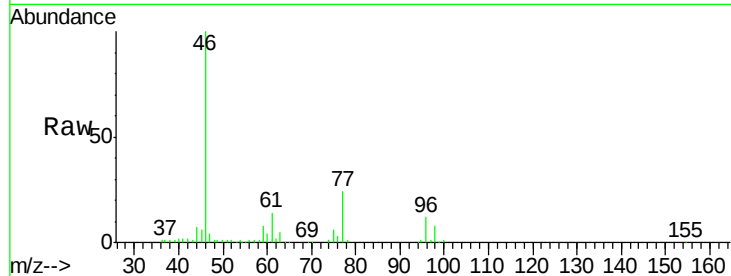


#22

cis-1,2-Dichloroethene
 Concen: 0.881 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.01 min
 Lab File: VV017055.D
 Acq: 23 Jun 2020 14:58

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXH6DL

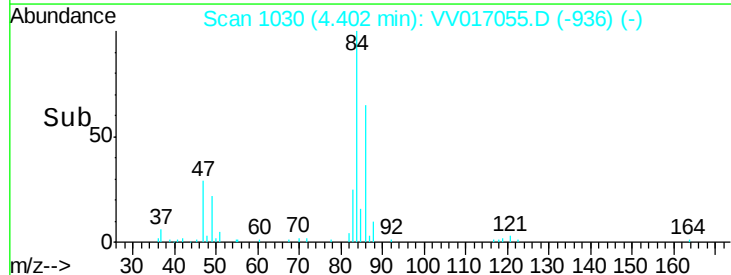
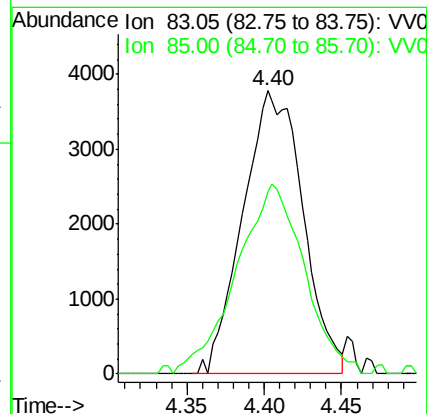
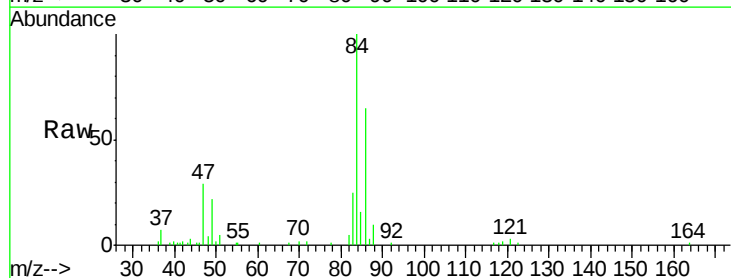
Tot Ion: 96 Resp: 11024
 Ion Ratio Lower Upper
 96 100
 61 115.7 91.0 169.0
 68 0.0 0.0 0.0

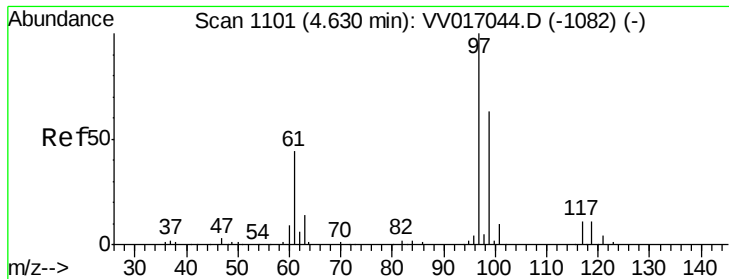


#25

Chloroform
 Concen: 0.455 ug/L
 RT: 4.40 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VV017055.D
 Acq: 23 Jun 2020 14:58

Tgt Ion: 83 Resp: 10218
 Ion Ratio Lower Upper
 83 100
 85 64.4 44.2 82.2

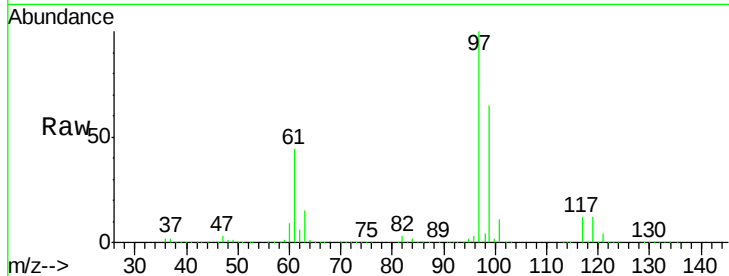




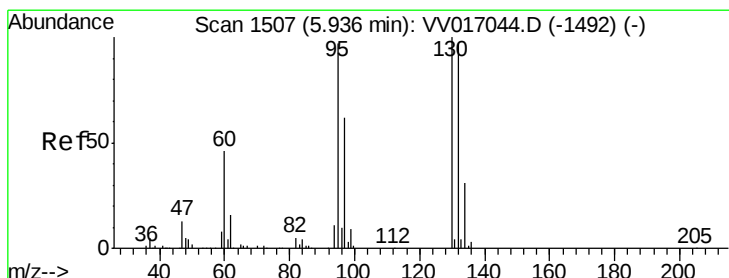
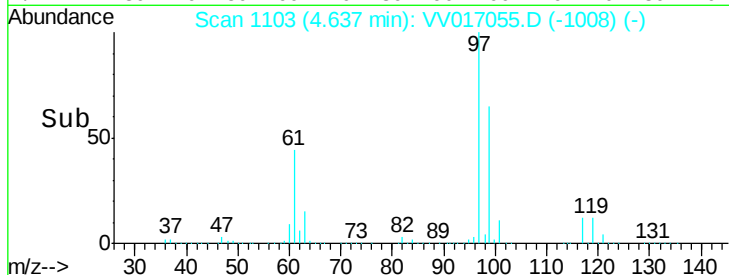
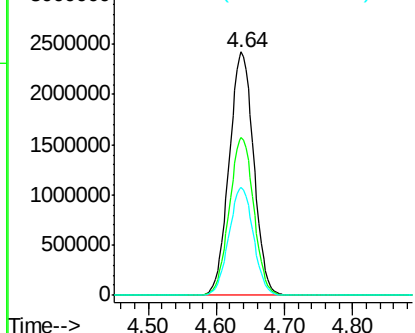
#29
 1,1,1-Trichloroethane
 Concen: 285.904 ug/L
 RT: 4.64 min Scan# 1103
 Delta R.T. 0.01 min
 Lab File: VV017055.D
 Acq: 23 Jun 2020 14:58

Instrument :
 MSVOA_V
 ClientSampled :
 BFXH6DL

Tot Ion: 97 Resp: 6038482
 Ion Ratio Lower Upper
 97 100
 99 64.6 50.3 75.5
 61 44.2 36.0 54.0

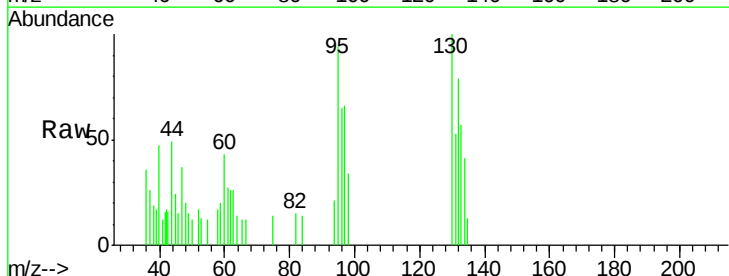


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

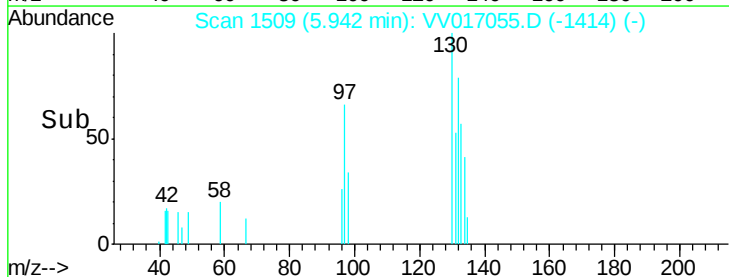
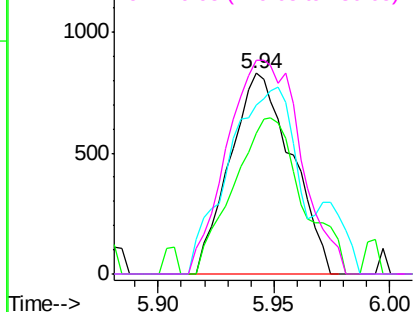


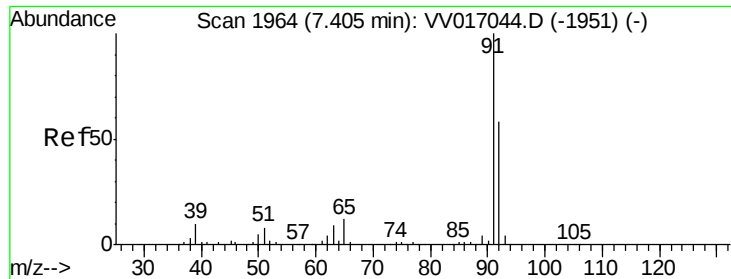
#34
 Trichloroethene
 Concen: 0.114 ug/L
 RT: 5.94 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: VV017055.D
 Acq: 23 Jun 2020 14:58

Tgt Ion: 95 Resp: 1540
 Ion Ratio Lower Upper
 95 100
 97 69.9 45.3 84.1
 132 84.1 68.8 127.8
 130 106.3 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): VV0
 Ion 129.95 (129.65 to 130.65): VV0





#42

Toluene

Concen: 0.120 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV017055.D

Acq: 23 Jun 2020 14:58

Instrument :

MSVOA_V

ClientSampleId :

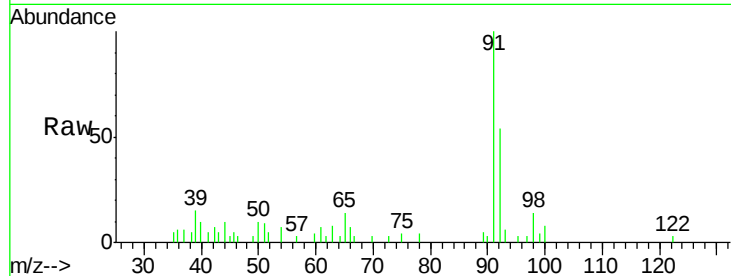
BFXH6DL

Tot Ion: 91 Resp: 6418

Ion Ratio Lower Upper

91 100

92 53.9 39.9 74.1

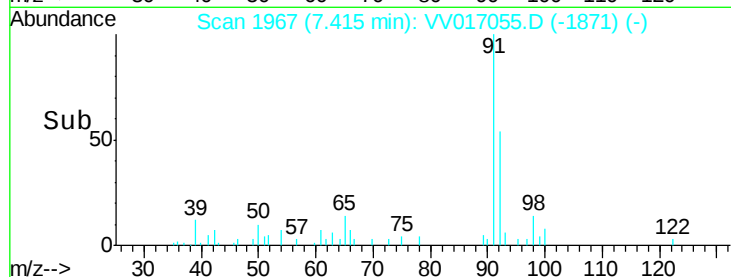


Abundance Ion 91.15 (90.85 to 91.85): VV017044.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV017044.D (-1951) (-)

7.41

Time-->



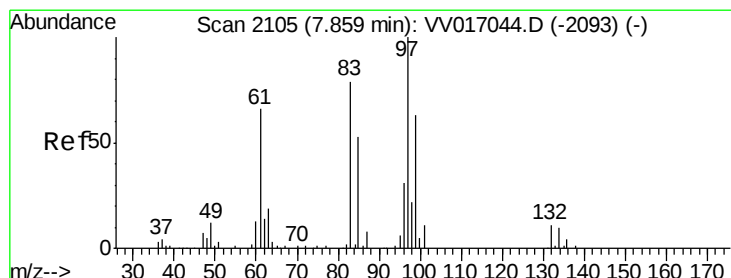
Abundance

Ion 91.15 (90.85 to 91.85): VV017044.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV017044.D (-1951) (-)

7.41

Time-->



#47

1,1,2-Trichloroethane

Concen: 0.159 ug/L

RT: 7.87 min Scan# 2108

Delta R.T. 0.01 min

Lab File: VV017055.D

Acq: 23 Jun 2020 14:58

Tgt Ion: 97 Resp: 1288

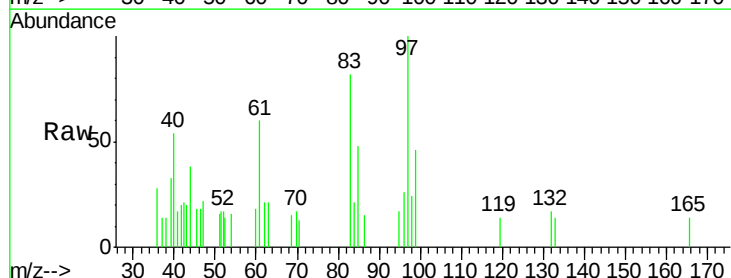
Ion Ratio Lower Upper

97 100

99 45.5 43.6 81.0

83 81.5 57.4 106.6

85 48.0 38.8 72.0



Abundance Ion 96.95 (96.65 to 97.65): VV017044.D (-2093) (-)

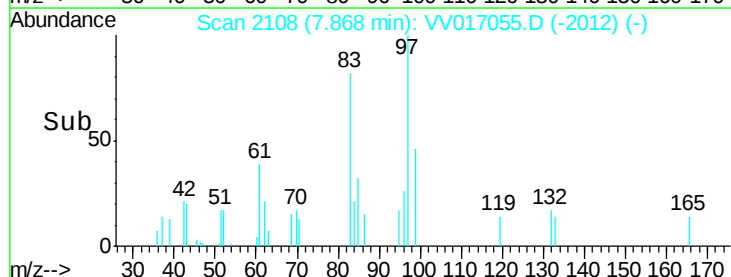
Ion 99.05 (98.75 to 99.75): VV017044.D (-2093) (-)

Ion 82.95 (82.65 to 83.65): VV017044.D (-2093) (-)

Ion 85.00 (84.70 to 85.70): VV017044.D (-2093) (-)

7.87

Time-->



Abundance

Ion 96.95 (96.65 to 97.65): VV017044.D (-2093) (-)

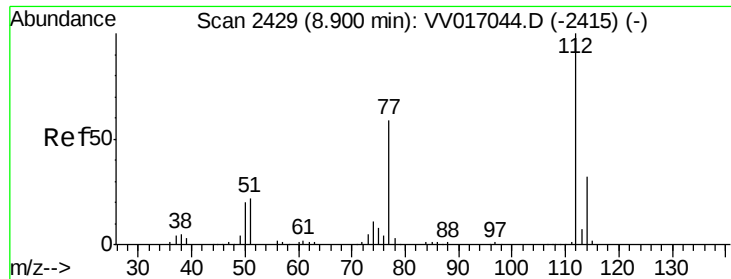
Ion 99.05 (98.75 to 99.75): VV017044.D (-2093) (-)

Ion 82.95 (82.65 to 83.65): VV017044.D (-2093) (-)

Ion 85.00 (84.70 to 85.70): VV017044.D (-2093) (-)

7.87

Time-->



#53

Chlorobenzene

Concen: 0.442 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV017055.D

Acq: 23 Jun 2020 14:58

Instrument :

MSVOA_V

ClientSampleId :

BFXH6DL

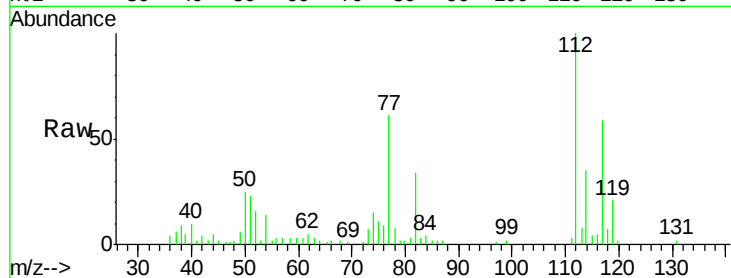
Tot Ion:112 Resp: 14778

Ion Ratio Lower Upper

112 100

114 35.2 22.0 41.0

77 60.8 46.0 69.0

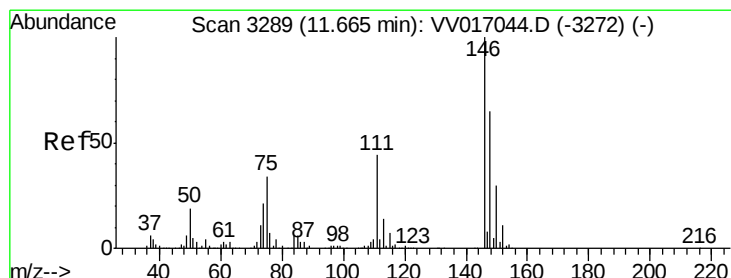
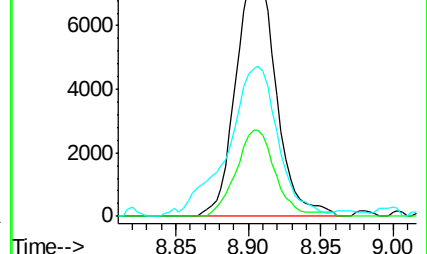
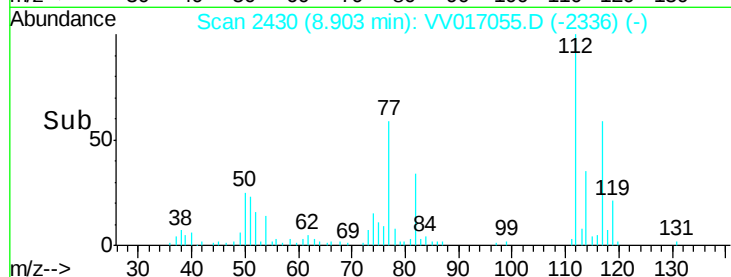


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V

Time-->



#66

1,2-Dichlorobenzene

Concen: 0.286 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017055.D

Acq: 23 Jun 2020 14:58

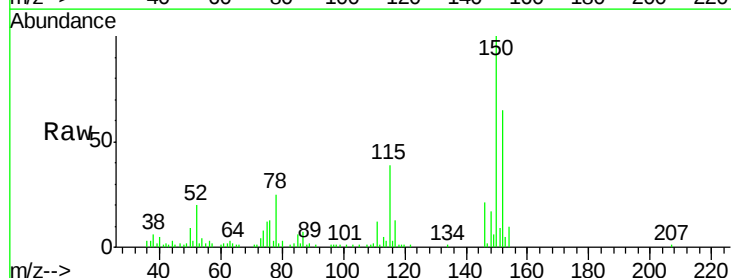
Tgt Ion:146 Resp: 6874

Ion Ratio Lower Upper

146 100

111 54.7 34.4 51.6#

148 79.7 49.9 74.9#



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

Time-->

