

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062520\
 Data File : VV017175.D
 Acq On : 26 Jun 2020 11:58
 Operator : SY/MD
 Sample : L3068-08
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9F44

Quant Time: Jun 26 13:01:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 26 12:57:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	163781	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	162797	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	76578	5.00	ug/L	0.00

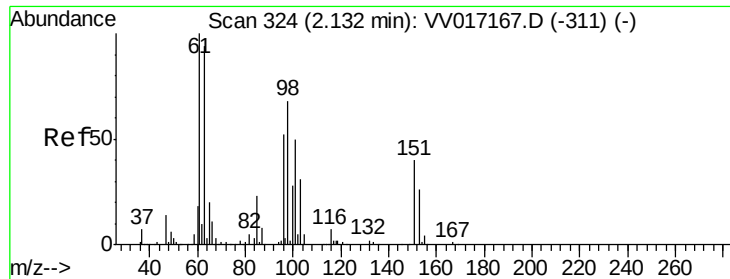
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	43829	4.46	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.20%
7) Chloroethane-d5	1.58	69	35979	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.60%
11) 1,1-Dichloroethene-d2	2.12	63	64867	3.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.40%
20) 2-Butanone-d5	3.94	46	108443	43.29	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.58%
24) Chloroform-d	4.38	84	100797	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.06	65	52148	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
32) Benzene-d6	5.07	84	179316	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.00%
36) 1,2-Dichloropropane-d6	6.10	67	51487	4.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.40%
41) Toluene-d8	7.34	98	153940	3.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.80%
45) trans-1,3-Dichloropropene-	7.64	79	21153	4.02	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.40%
48) 2-Hexanone-d5	8.11	63	73310	36.54	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	73.08%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	36182	4.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	63501	4.49	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	669	0.077	ug/L #	29
16) Methylene chloride	2.53	84	899	0.107	ug/L	82
25) Chloroform	4.41	83	56431	2.761	ug/L	100
35) Methylcyclohexane	6.09	83	13970	0.720	ug/L #	18
37) 1,2-Dichloropropane	6.09	63	6954	0.659	ug/L #	85
38) Bromodichloromethane	6.53	83	13075	0.912	ug/L	91
39) cis-1,3-Dichloropropene	7.01	75	2114	0.135	ug/L #	70
46) trans-1,3-Dichloropropene	7.64	75	1174	0.087	ug/L	84
49) Tetrachloroethene	8.00	164	1207	0.120	ug/L	94
50) 2-Hexanone	8.17	43	2737	0.631	ug/L #	48
51) Dibromochloromethane	8.27	129	4385	0.483	ug/L	92
62) Bromoform	9.75	173	1562	0.381	ug/L #	91
63) 1,3-Dichlorobenzene	11.30	146	2382	0.103	ug/L	97
64) 1,4-Dichlorobenzene	11.30	146	2382	0.102	ug/L	98

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



#10

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

Concen: 0.077 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV017175.D

Acq: 26 Jun 2020 11:58

Instrument :

MSVOA_V

ClientSampleId :

F9F44

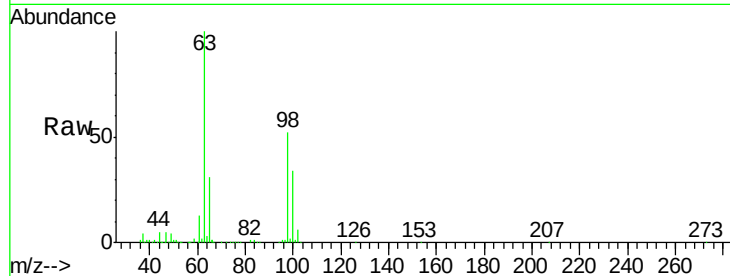
Tgt Ion:101 Resp: 669

Ion Ratio Lower Upper

101 100

85 21.4 35.4 53.2#

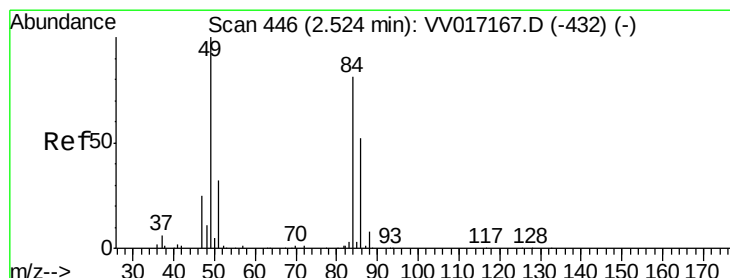
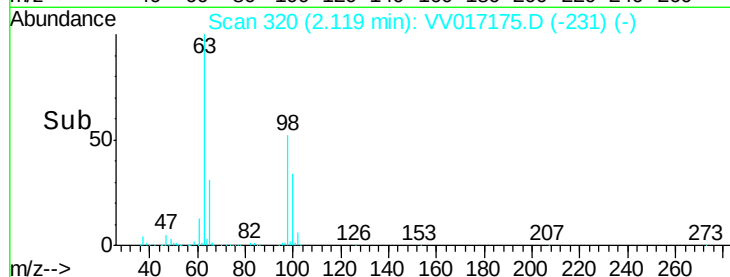
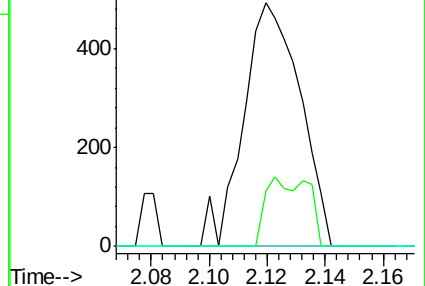
151 0.0 63.9 95.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#16

Methylene chloride

Concen: 0.107 ug/L

RT: 2.53 min Scan# 448

Delta R.T. 0.01 min

Lab File: VV017175.D

Acq: 26 Jun 2020 11:58

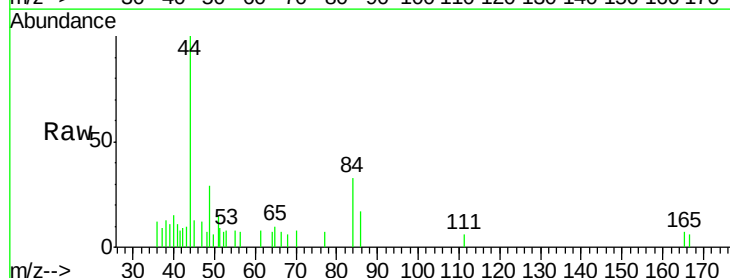
Tgt Ion: 84 Resp: 899

Ion Ratio Lower Upper

84 100

86 52.1 45.8 85.0

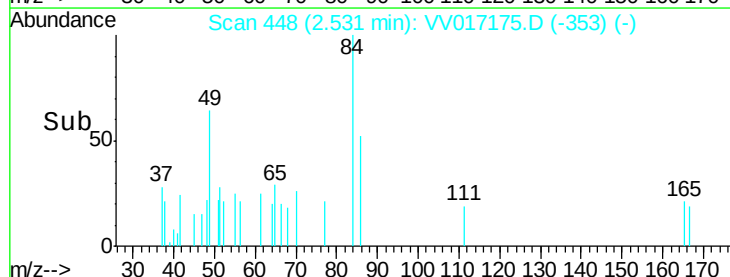
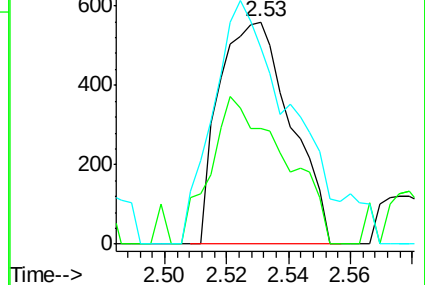
49 107.3 89.6 166.4

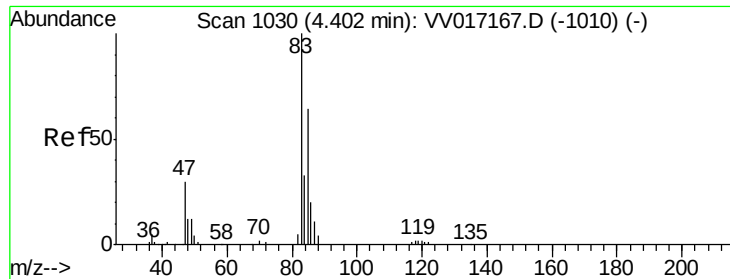


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0





#25

Chloroform

Concen: 2.761 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VV017175.D

Acq: 26 Jun 2020 11:58

Instrument :

MSVOA_V

ClientSampleId :

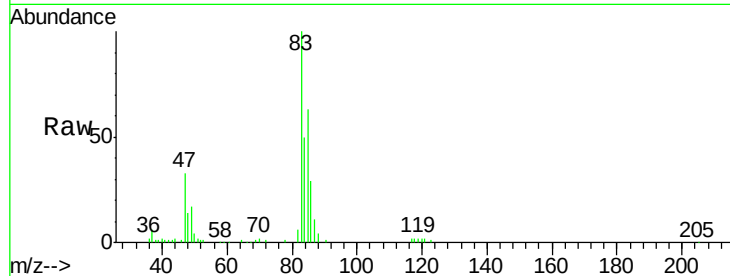
F9F44

Tgt Ion: 83 Resp: 56431

Ion Ratio Lower Upper

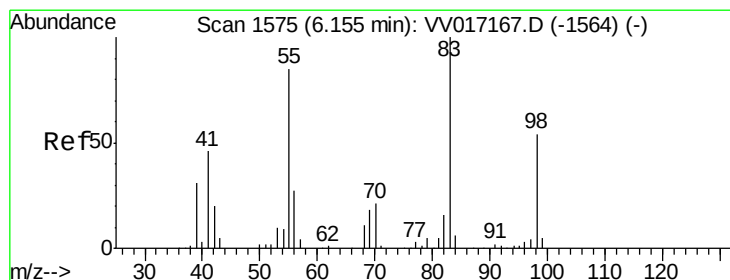
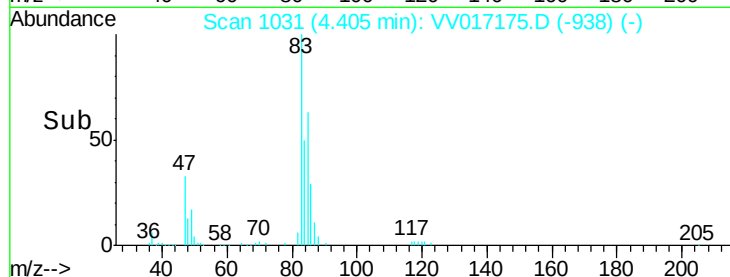
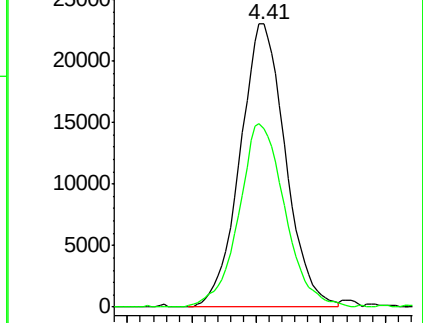
83 100

85 63.0 44.2 82.2



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0



#35

Methylcyclohexane

Concen: 0.720 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV017175.D

Acq: 26 Jun 2020 11:58

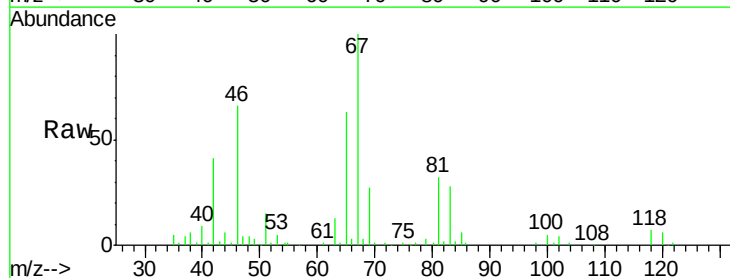
Tgt Ion: 83 Resp: 13970

Ion Ratio Lower Upper

83 100

55 0.8 63.6 95.4#

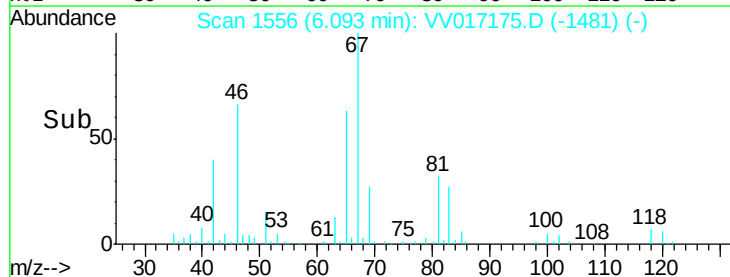
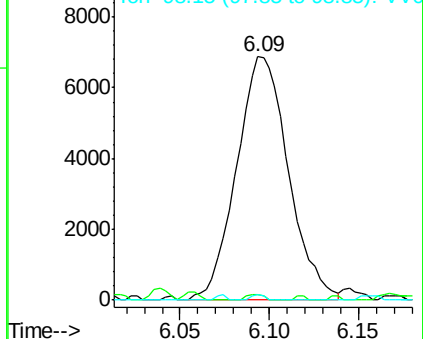
98 0.5 38.8 58.2#

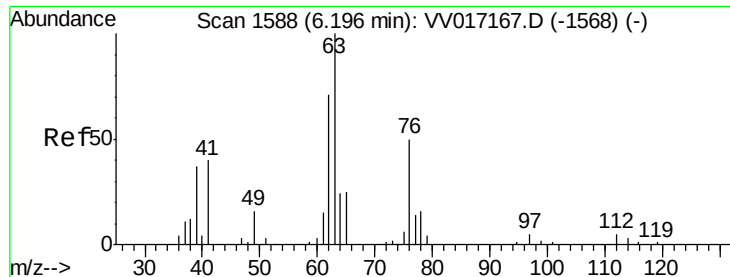


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

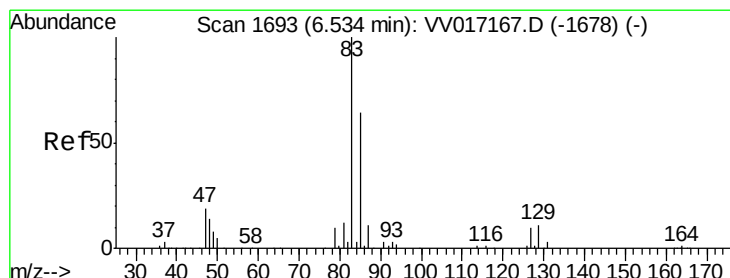
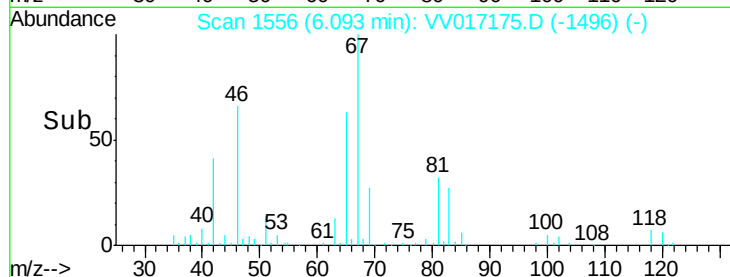
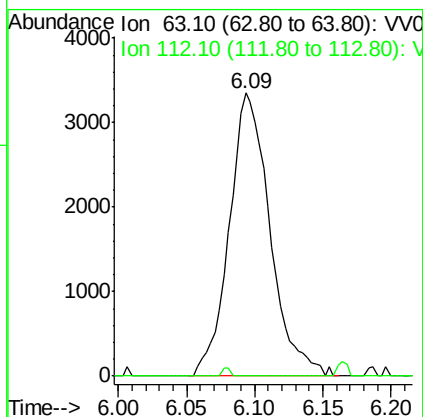
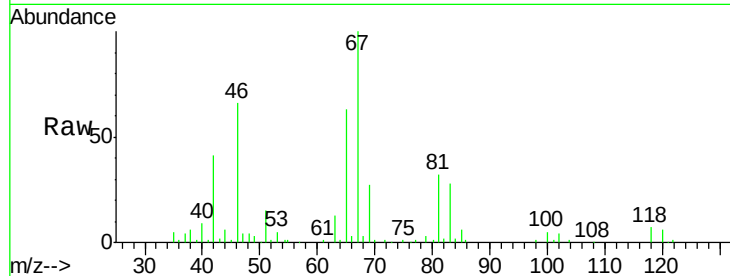




#37
 1,2-Dichloropropane
 Concen: 0.659 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.11 min
 Lab File: VV017175.D
 Acq: 26 Jun 2020 11:58

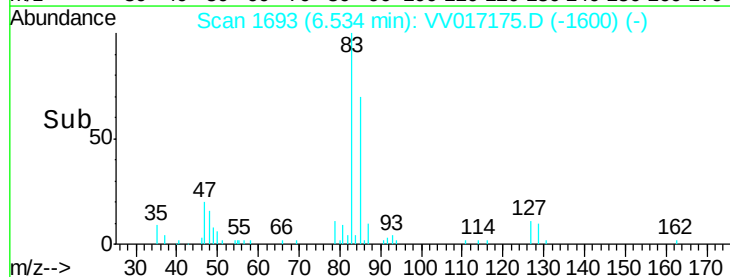
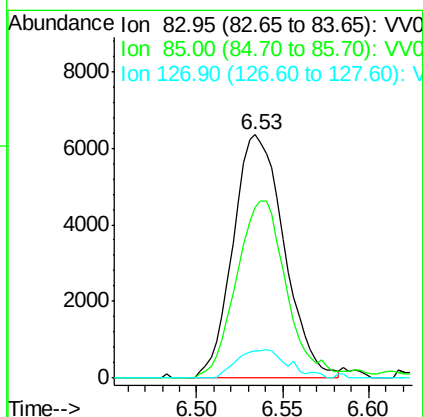
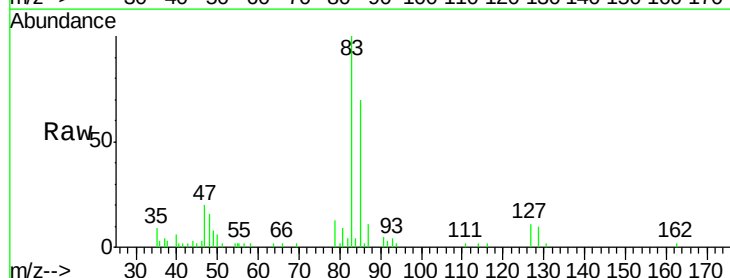
Instrument :
 MSVOA_V
 ClientSampleId :
 F9F44

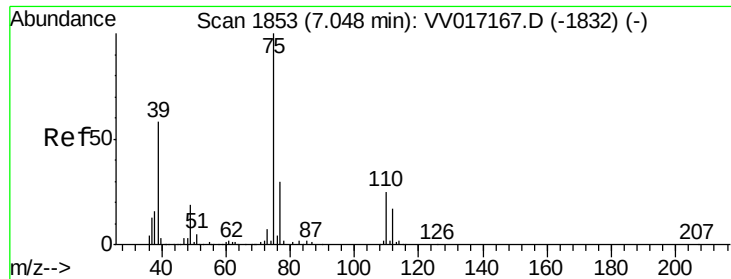
Tgt Ion: 63 Resp: 6954
 Ion Ratio Lower Upper
 63 100
 112 0.6 4.4 6.6#



#38
 Bromodichloromethane
 Concen: 0.912 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV017175.D
 Acq: 26 Jun 2020 11:58

Tgt Ion: 83 Resp: 13075
 Ion Ratio Lower Upper
 83 100
 85 70.0 43.4 80.6
 127 10.9 7.9 11.9





#39

cis-1,3-Dichloropropene

Concen: 0.135 ug/L

RT: 7.01 min Scan# 1842

Delta R.T. -0.04 min

Lab File: VV017175.D

Acq: 26 Jun 2020 11:58

Instrument :

MSVOA_V

ClientSampled :

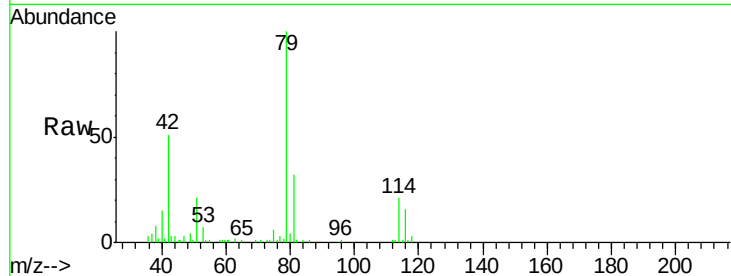
F9F44

Tgt Ion: 75 Resp: 2114

Ion Ratio Lower Upper

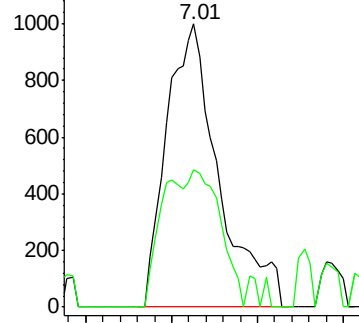
75 100

77 48.7 22.3 41.5#

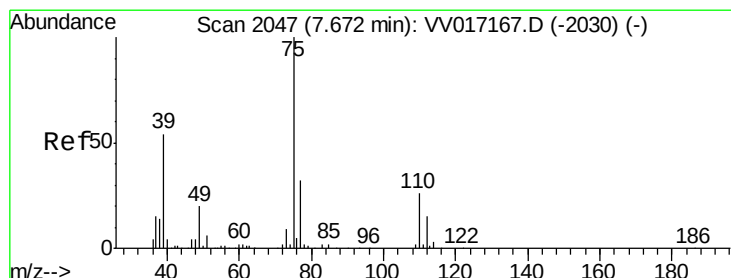
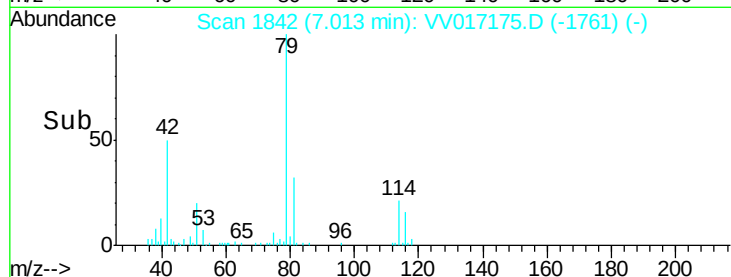


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



Time-->



#46

trans-1,3-Dichloropropene

Concen: 0.087 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV017175.D

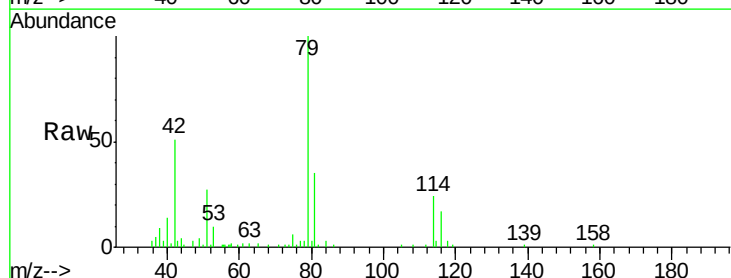
Acq: 26 Jun 2020 11:58

Tgt Ion: 75 Resp: 1174

Ion Ratio Lower Upper

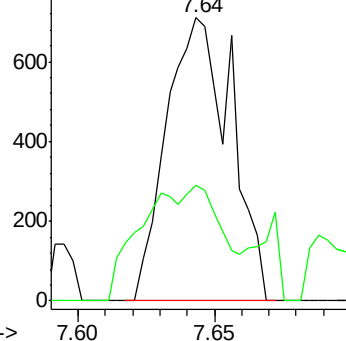
75 100

77 40.7 22.3 41.3

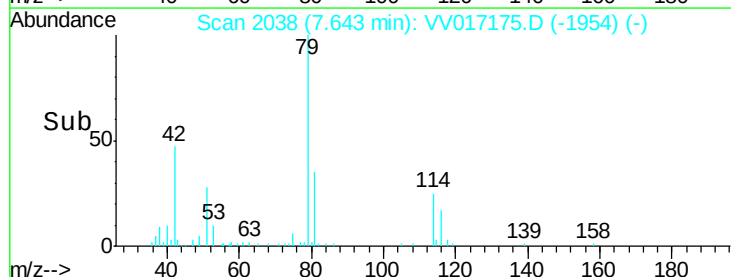


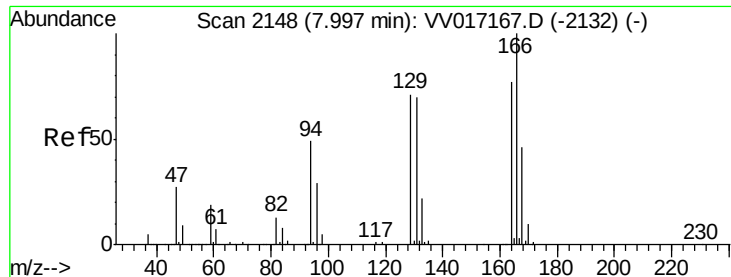
Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



Time-->





#49

Tetrachloroethene

Concen: 0.120 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV017175.D

Acq: 26 Jun 2020 11:58

Instrument :

MSVOA_V

ClientSampled :

F9F44

Tgt Ion:164 Resp: 1207

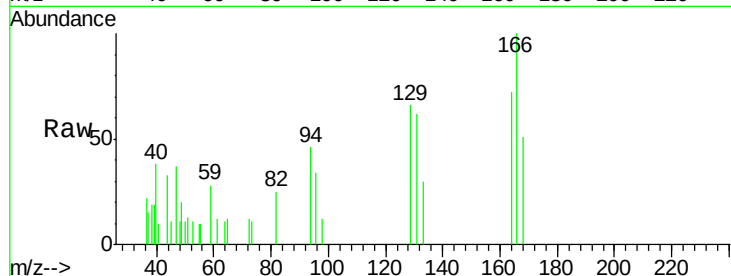
Ion Ratio Lower Upper

164 100

129 92.7 65.2 121.0

131 86.1 64.1 119.1

166 139.5 90.2 167.4

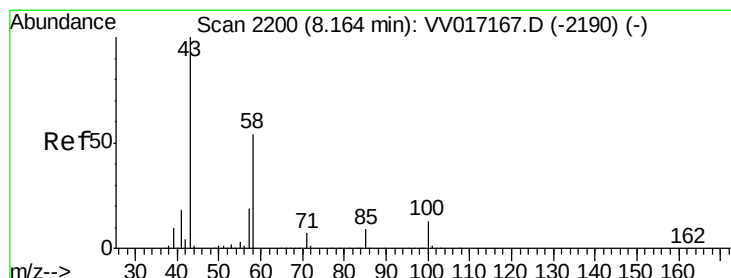
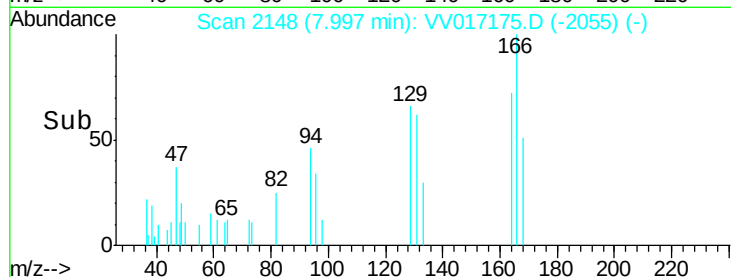
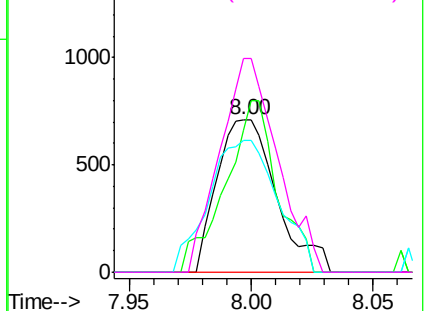


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#50

2-Hexanone

Concen: 0.631 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VV017175.D

Acq: 26 Jun 2020 11:58

Tgt Ion: 43 Resp: 2737

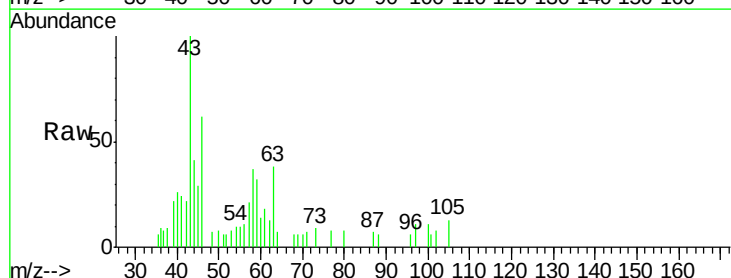
Ion Ratio Lower Upper

43 100

58 6.1 41.6 62.4#

57 38.5 15.4 23.0#

100 17.0 10.1 15.1#

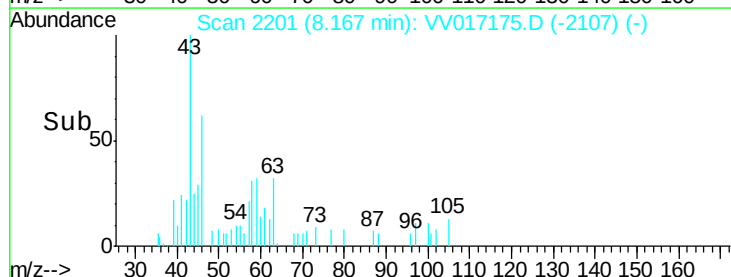
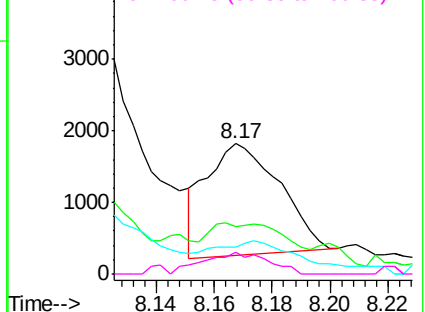


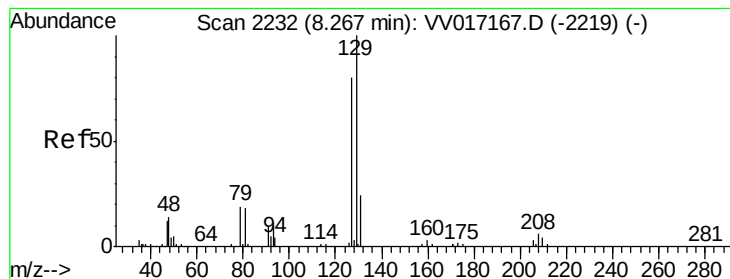
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0





#51

Dibromochloromethane

Concen: 0.483 ug/L

RT: 8.27 min Scan# 2233

Delta R.T. 0.00 min

Lab File: VV017175.D

Acq: 26 Jun 2020 11:58

Instrument :

MSVOA_V

ClientSampleId :

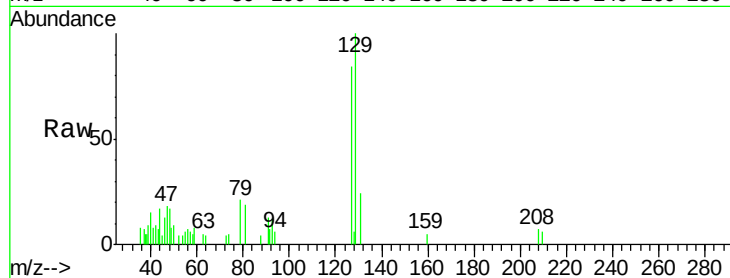
F9F44

Tgt Ion:129 Resp: 4385

Ion Ratio Lower Upper

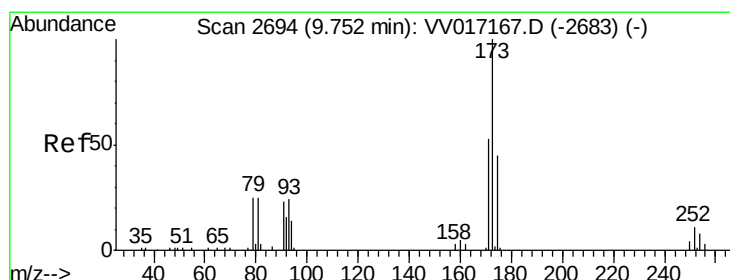
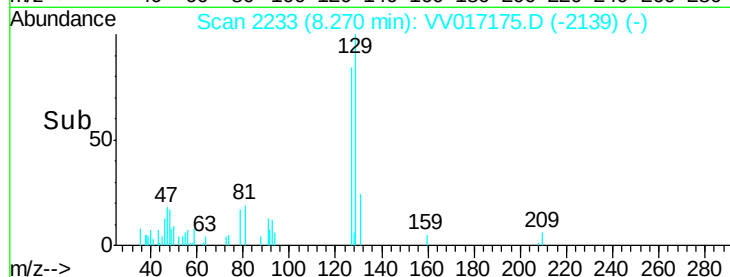
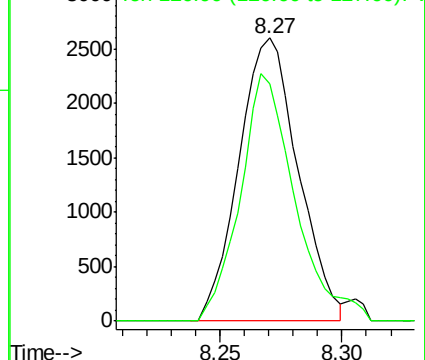
129 100

127 84.0 54.1 100.5



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#62

Bromoform

Concen: 0.381 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017175.D

Acq: 26 Jun 2020 11:58

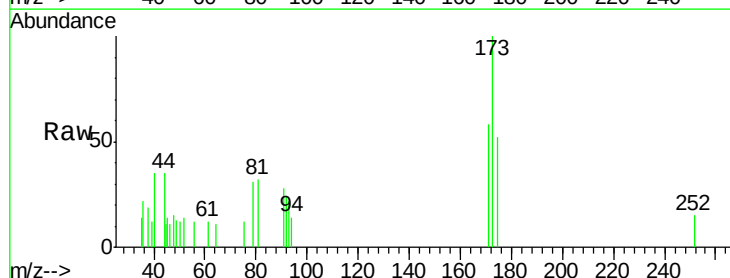
Tgt Ion:173 Resp: 1562

Ion Ratio Lower Upper

173 100

175 45.1 39.4 59.2

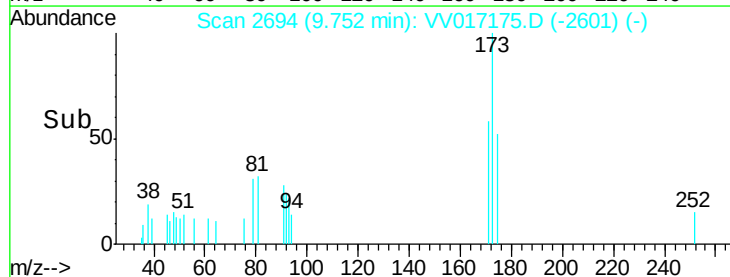
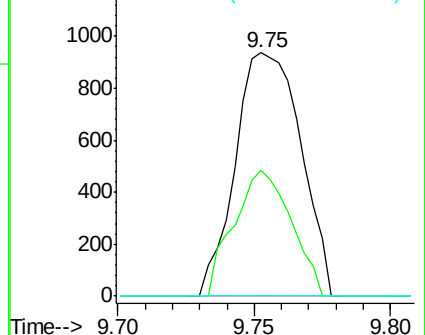
254 0.0 7.4 11.2#

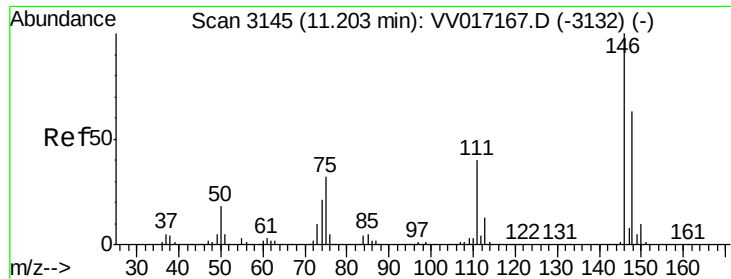


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V

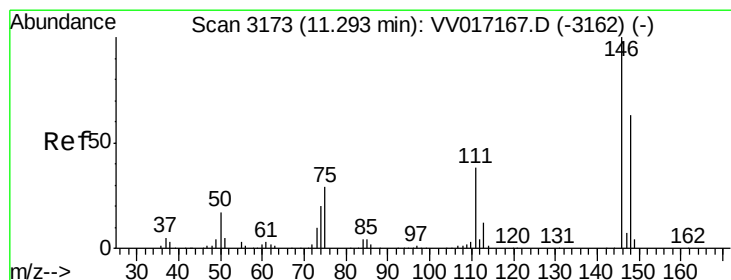
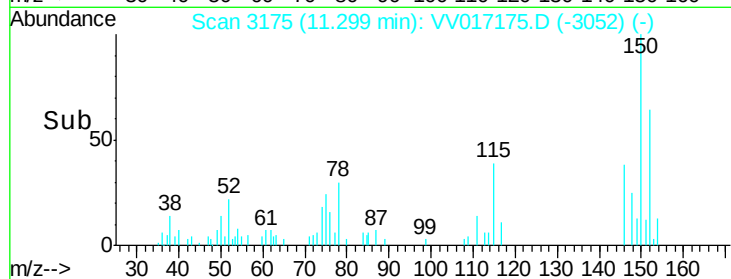
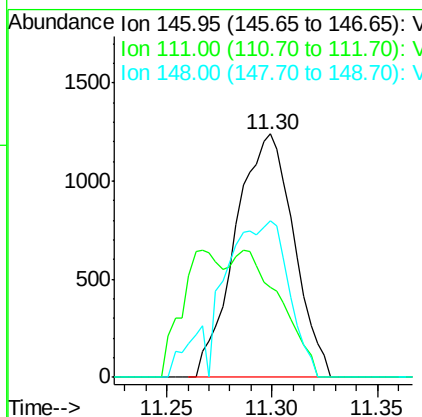
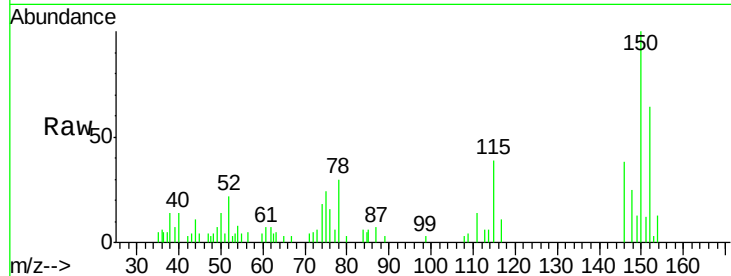




#63
 1,3-Dichlorobenzene
 Concen: 0.103 ug/L
 RT: 11.30 min Scan# 3175
 Delta R.T. 0.10 min
 Lab File: VV017175.D
 Acq: 26 Jun 2020 11:58

Instrument :
 MSVOA_V
 ClientSampleId :
 F9F44

Tgt Ion:146 Resp: 2382
 Ion Ratio Lower Upper
 146 100
 111 36.9 29.2 54.2
 148 64.3 44.9 83.5



#64
 1,4-Dichlorobenzene
 Concen: 0.102 ug/L
 RT: 11.30 min Scan# 3175
 Delta R.T. 0.01 min
 Lab File: VV017175.D
 Acq: 26 Jun 2020 11:58

Tgt Ion:146 Resp: 2382
 Ion Ratio Lower Upper
 146 100
 111 36.9 27.4 50.8
 148 64.3 44.3 82.3

