

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042020\
 Data File : VV015580.D
 Acq On : 20 Apr 2020 14:08
 Operator : SY/MD
 Sample : L2333-19
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 21 00:09:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 21 00:05:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	91607	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	85390	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	39797	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	20450	4.30	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.00%
7) Chloroethane-d5	1.58	69	20721	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.80%
11) 1,1-Dichloroethene-d2	2.12	63	32702	3.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.40%
20) 2-Butanone-d5	3.95	46	74323	55.69	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.38%
24) Chloroform-d	4.38	84	51341	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.06	65	30130	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.20%
32) Benzene-d6	5.08	84	97143	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	6.10	67	31411	5.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.40%
41) Toluene-d8	7.34	98	84181	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
43) trans-1,3-Dichloropropene-	7.65	79	8428	3.28	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	65.60%
46) 2-Hexanone-d5	8.11	63	54680	44.19	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.38%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	22849	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.60%
64) 1,2-Dichlorobenzene-d4	11.65	152	32089	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

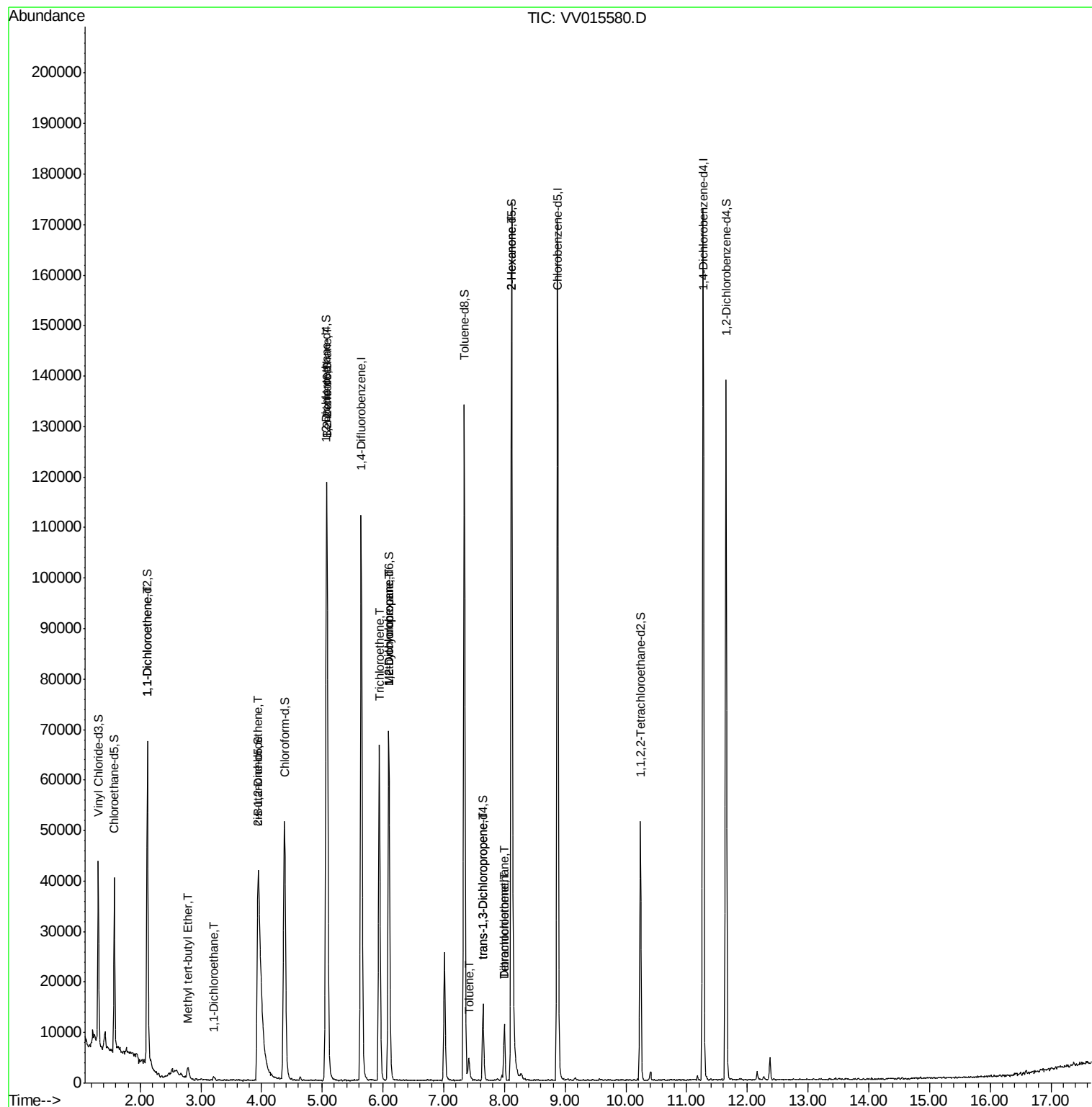
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.13	96	3172	0.552	ug/L #	1
17) Methyl tert-butyl Ether	2.79	73	1623	0.106	ug/L #	62
19) 1,1-Dichloroethane	3.21	63	927	0.076	ug/L #	81
22) cis-1,2-Dichloroethene	3.94	96	7428	1.104	ug/L	98
27) 1,2-Dichloroethane	5.08	62	583	0.072	ug/L #	77
34) Trichloroethene	5.94	95	22973	3.340	ug/L	98
35) Methylcyclohexane	6.10	83	7844	0.677	ug/L #	19
37) 1,2-Dichloropropane	6.09	63	4037	0.637	ug/L #	86
42) Toluene	7.41	91	3354	0.121	ug/L	97
44) trans-1,3-Dichloropropene	7.65	75	423	0.051	ug/L	89
47) Tetrachloroethene	8.00	164	2368	0.465	ug/L	97
48) 2-Hexanone	8.12	43	8695	2.990	ug/L #	88
49) Dibromochloromethane	8.00	129	2301	0.451	ug/L #	10

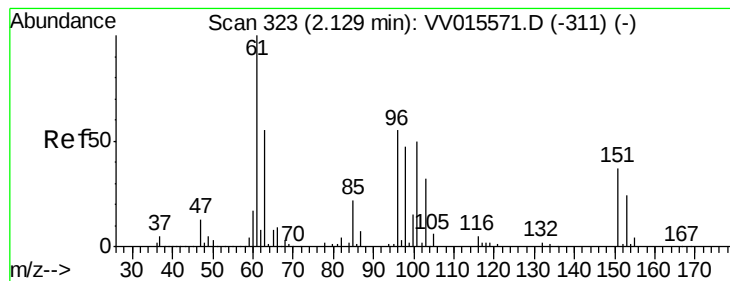
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.552 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015580.D

Acq: 20 Apr 2020 14:08

Instrument :
MSVOA_V
ClientSampled :

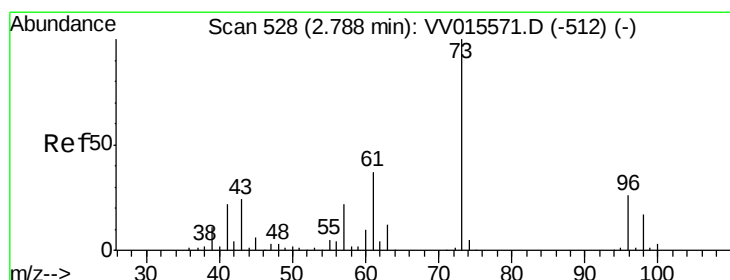
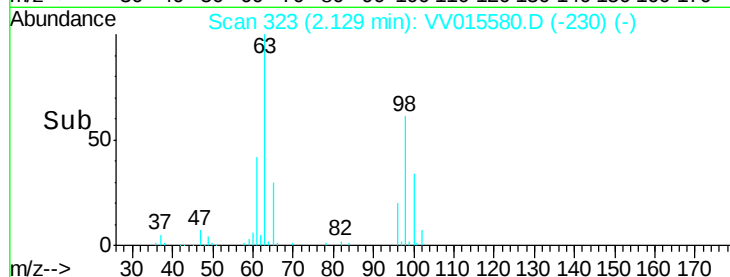
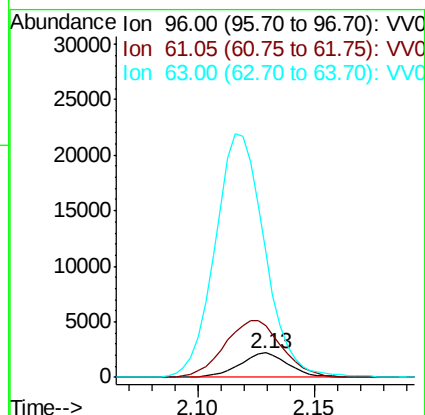
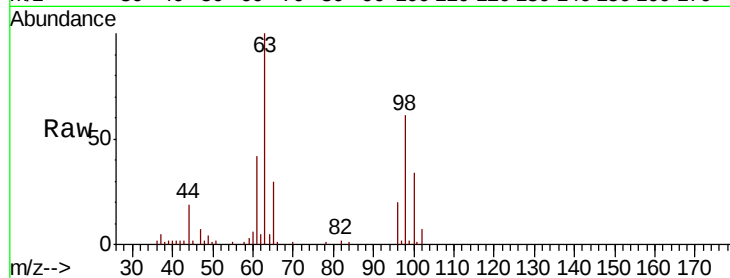
Tot Ion: 96 Resp: 3172

Ion Ratio Lower Upper

96 100

61 212.2 127.7 237.1

63 508.4 75.1 139.5#



#17

Methyl tert-butyl Ether

Concen: 0.106 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.01 min

Lab File: VV015580.D

Acq: 20 Apr 2020 14:08

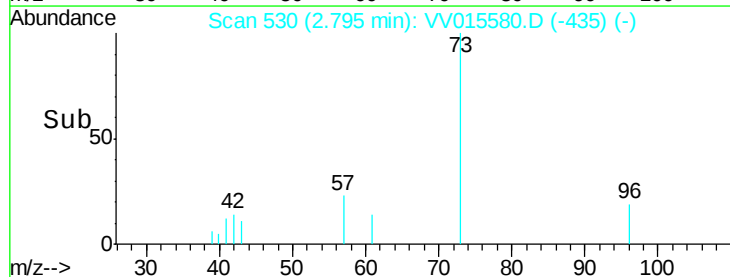
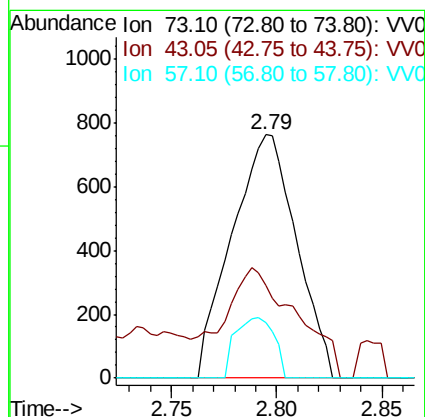
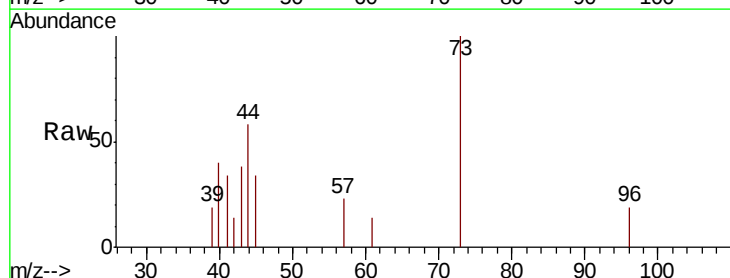
Tgt Ion: 73 Resp: 1623

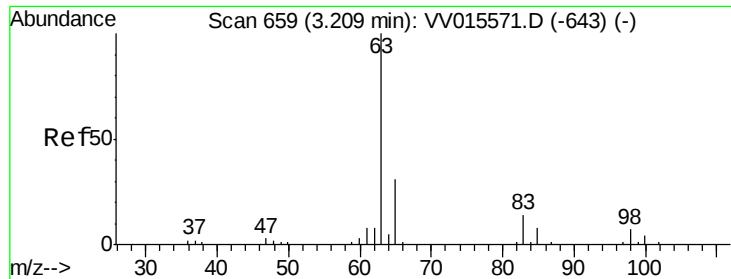
Ion Ratio Lower Upper

73 100

43 51.8 18.3 27.5#

57 14.9 18.4 27.6#

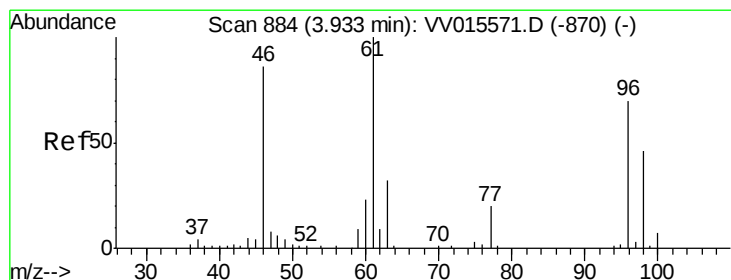
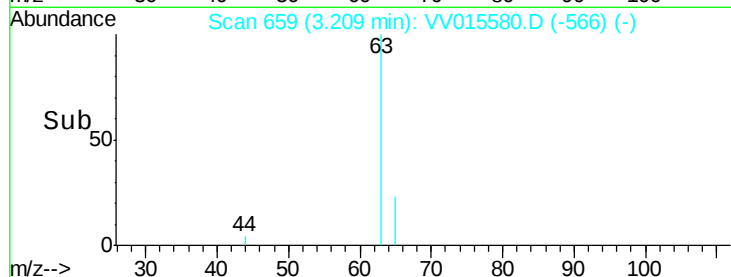
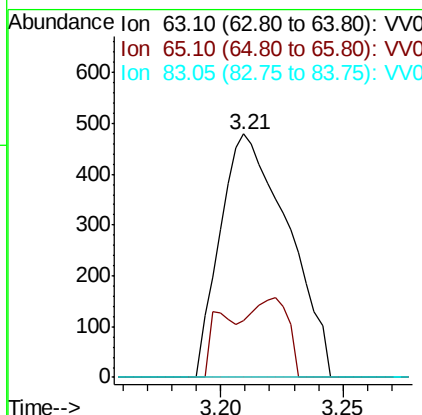
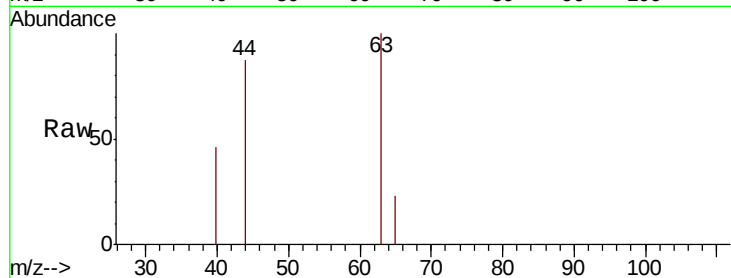




#19
 1,1-Dichloroethane
 Concen: 0.076 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV015580.D
 Acq: 20 Apr 2020 14:08

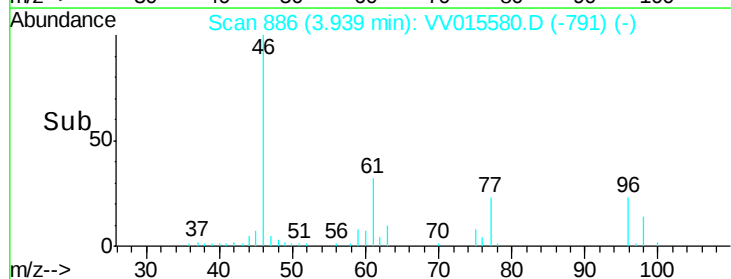
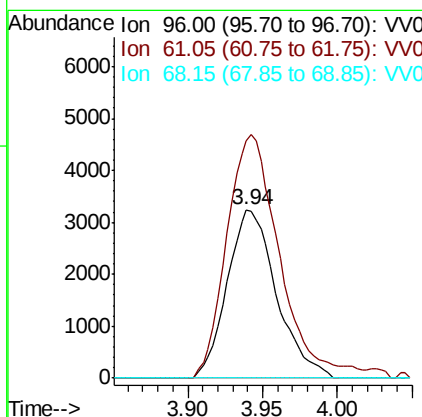
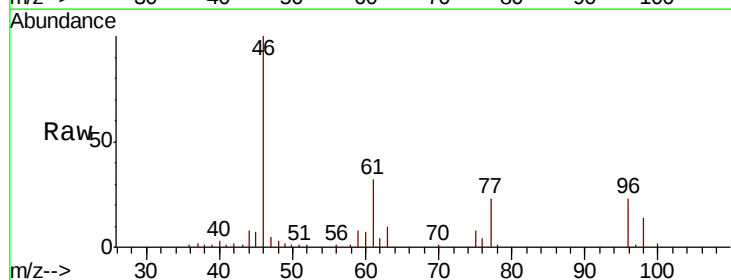
Instrument :
 MSVOA_V
 ClientSampleId :

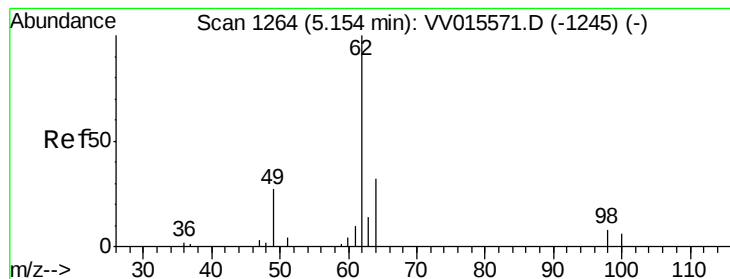
Tot Ion: 63 Resp: 927
 Ion Ratio Lower Upper
 63 100
 65 23.4 21.3 39.6
 83 0.0 9.4 17.6#



#22
 cis-1,2-Dichloroethene
 Concen: 1.104 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.01 min
 Lab File: VV015580.D
 Acq: 20 Apr 2020 14:08

Tgt Ion: 96 Resp: 7428
 Ion Ratio Lower Upper
 96 100
 61 140.5 100.0 185.8
 68 0.0 0.0 0.0





#27

1,2-Dichloroethane

Concen: 0.072 ug/L

RT: 5.08 min Scan# 1240

Delta R.T. -0.08 min

Lab File: VV015580.D

Acq: 20 Apr 2020 14:08

Instrument :

MSVOA_V

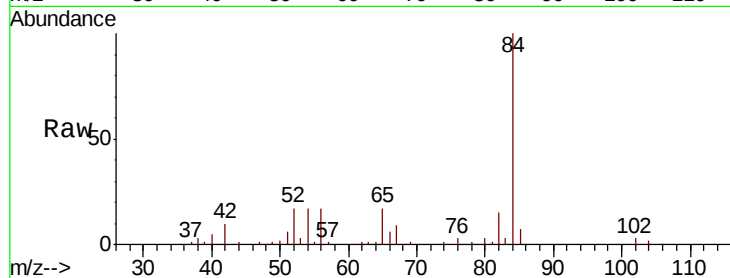
ClientSampleId :

Tot Ion: 62 Resp: 583

Ion Ratio Lower Upper

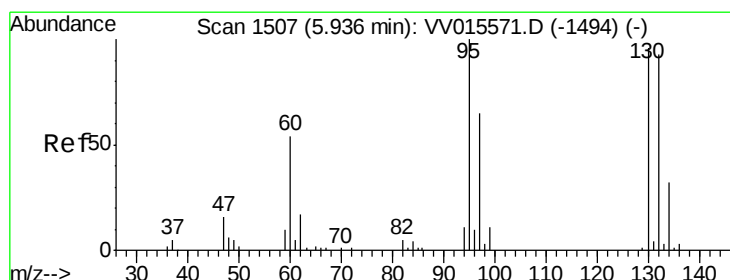
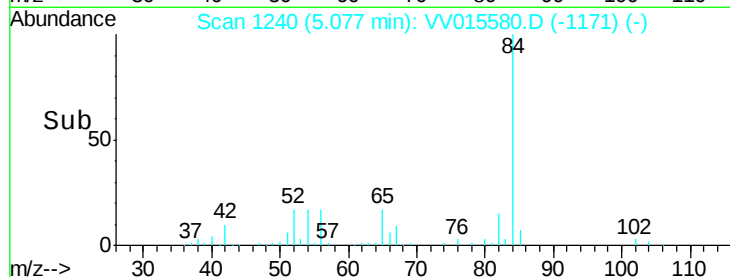
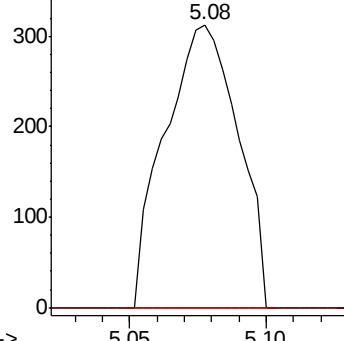
62 100

98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0



#34

Trichloroethene

Concen: 3.340 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015580.D

Acq: 20 Apr 2020 14:08

Tgt Ion: 95 Resp: 22973

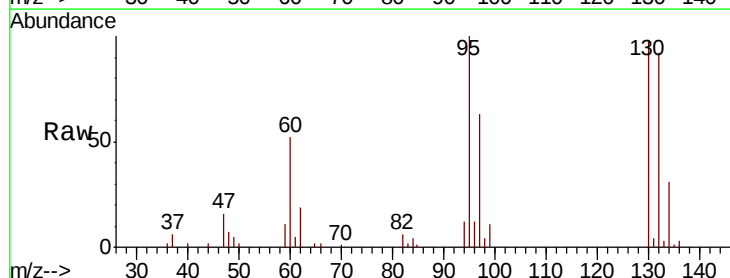
Ion Ratio Lower Upper

95 100

97 62.9 45.4 84.4

132 91.6 64.8 120.4

130 98.0 67.4 125.2

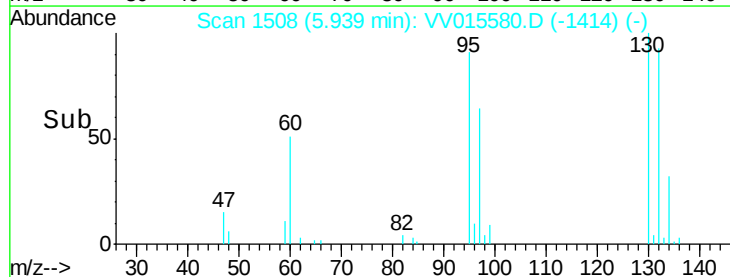
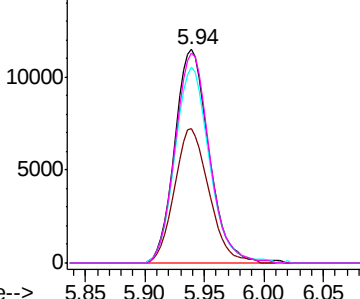


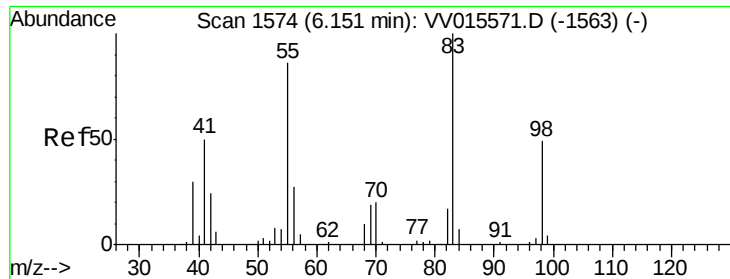
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

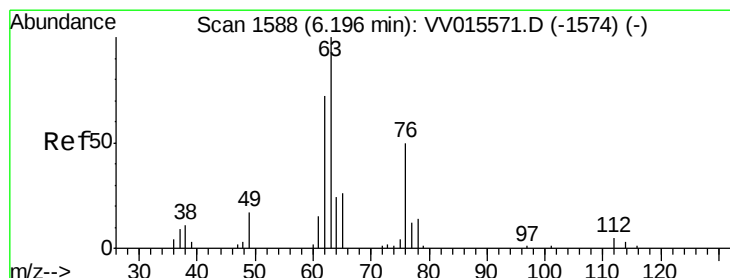
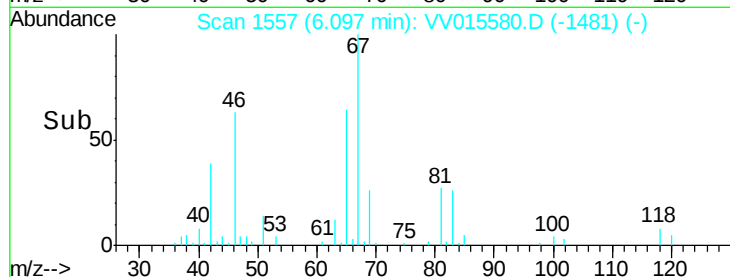
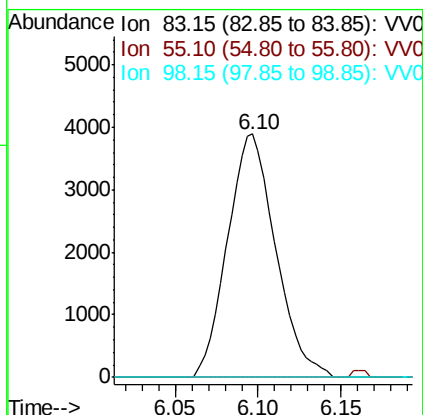
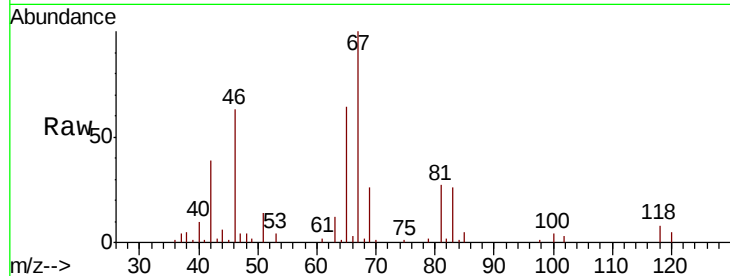




#35
Methvlcvclohexane
Concen: 0.677 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV015580.D
Acq: 20 Apr 2020 14:08

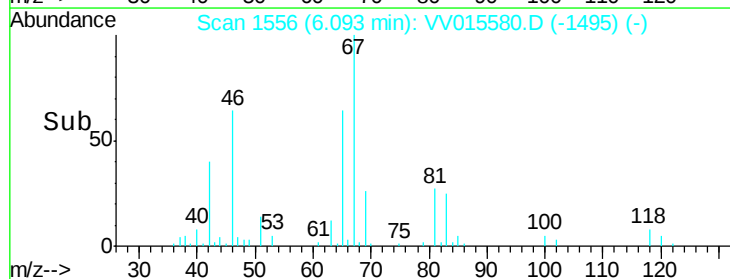
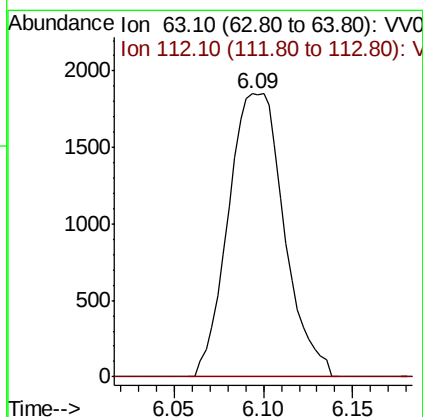
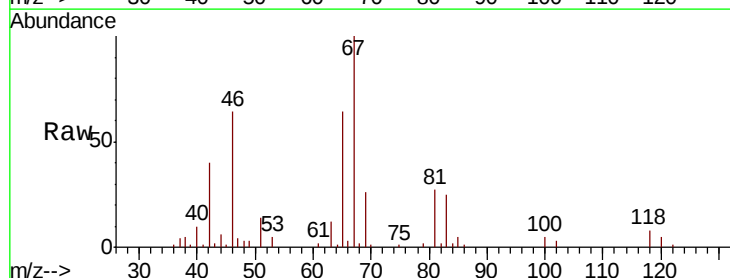
Instrument :
MSVOA_V
ClientSampleId :

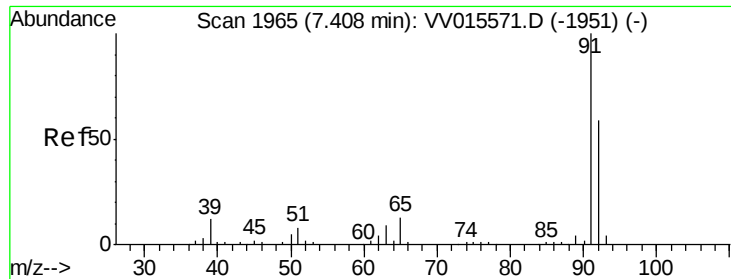
Tot Ion: 83 Resp: 7844
Ion Ratio Lower Upper
83 100
55 0.8 66.6 99.8#
98 5.2 38.7 58.1#



#37
1,2-Dichloropropane
Concen: 0.637 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV015580.D
Acq: 20 Apr 2020 14:08

Tgt Ion: 63 Resp: 4037
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#





#42

Toluene

Concen: 0.121 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV015580.D

Acq: 20 Apr 2020 14:08

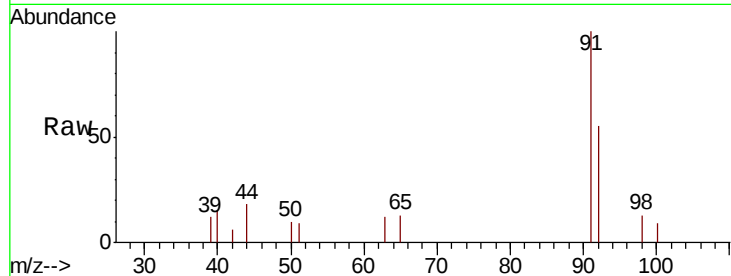
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 3354

Ion Ratio Lower Upper

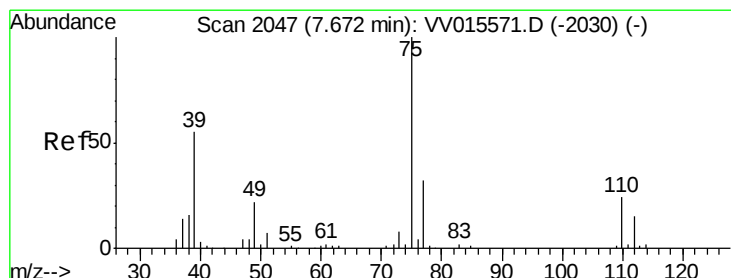
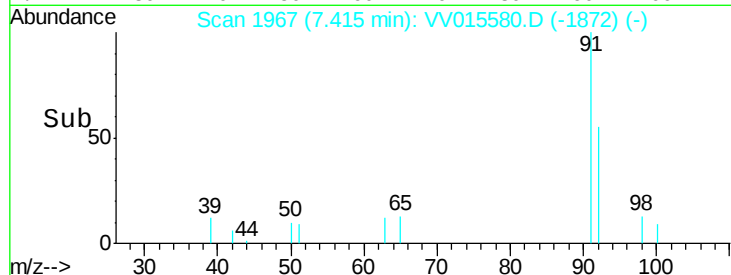
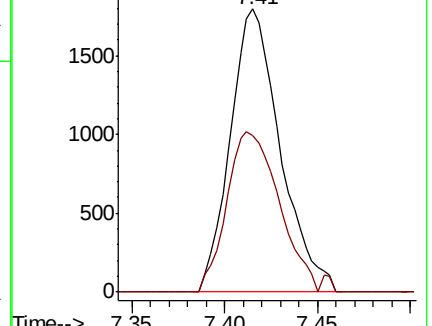
91 100

92 55.2 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VV015580.D (-1954) (-)

Ion 92.15 (91.85 to 92.85): VV015580.D (-1954) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.051 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV015580.D

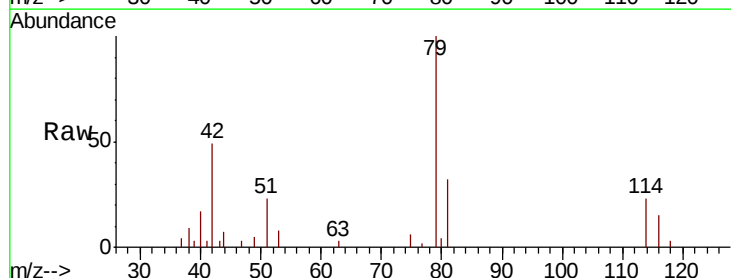
Acq: 20 Apr 2020 14:08

Tgt Ion: 75 Resp: 423

Ion Ratio Lower Upper

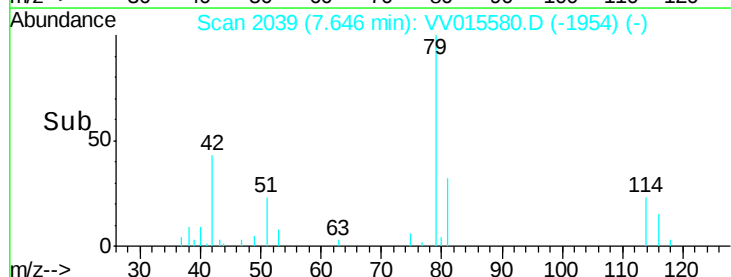
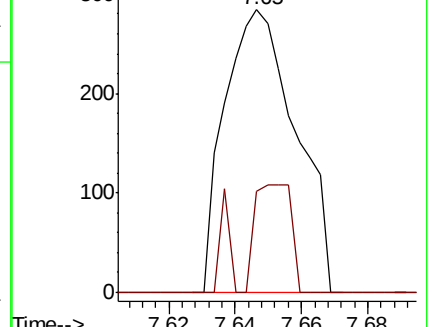
75 100

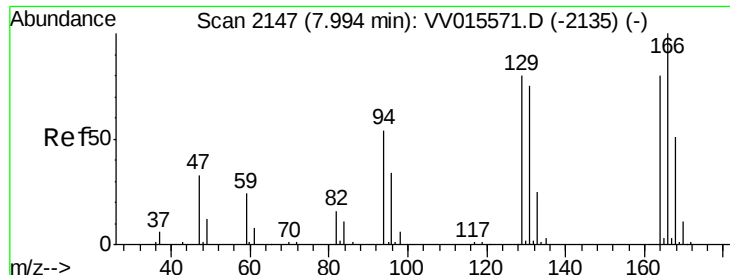
77 35.9 21.0 39.0



Abundance Ion 75.05 (74.75 to 75.75): VV015580.D (-1954) (-)

Ion 77.05 (76.75 to 77.75): VV015580.D (-1954) (-)





#47

Tetrachloroethene

Concen: 0.465 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV015580.D

Acq: 20 Apr 2020 14:08

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 2368

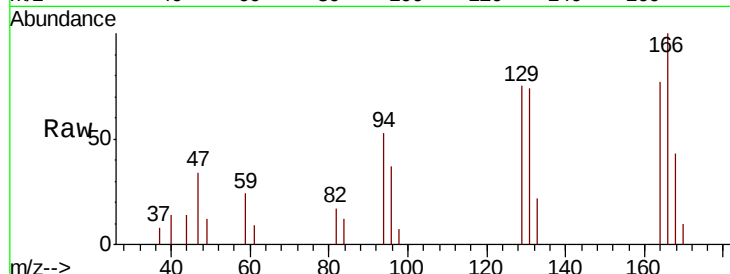
Ion Ratio Lower Upper

164 100

129 97.4 70.6 131.0

131 95.3 68.3 126.8

166 129.2 88.3 163.9

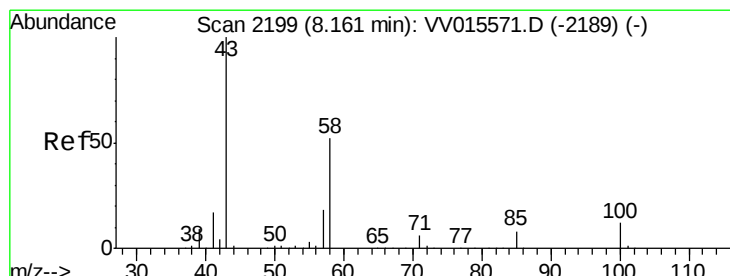
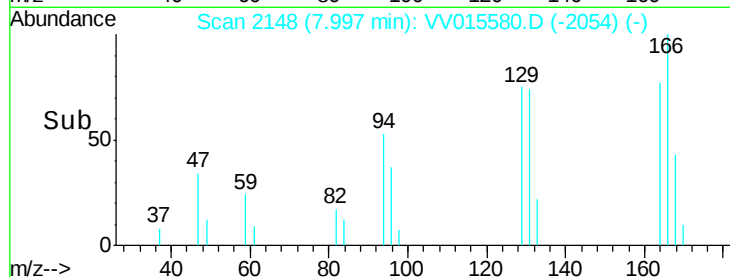
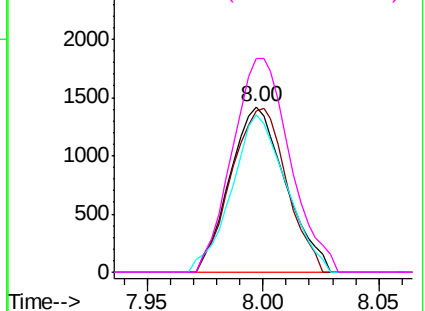


Abundance Ion 163.90 (163.60 to 164.60): V

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



#48

2-Hexanone

Concen: 2.990 ug/L

RT: 8.12 min Scan# 2185

Delta R.T. -0.04 min

Lab File: VV015580.D

Acq: 20 Apr 2020 14:08

Tgt Ion: 43 Resp: 8695

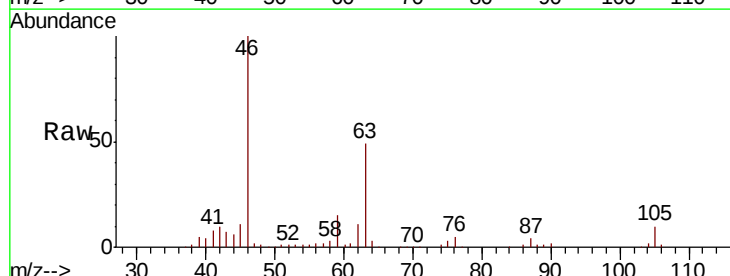
Ion Ratio Lower Upper

43 100

58 57.2 41.4 62.0

57 24.7 15.0 22.4#

100 0.0 9.4 14.2#

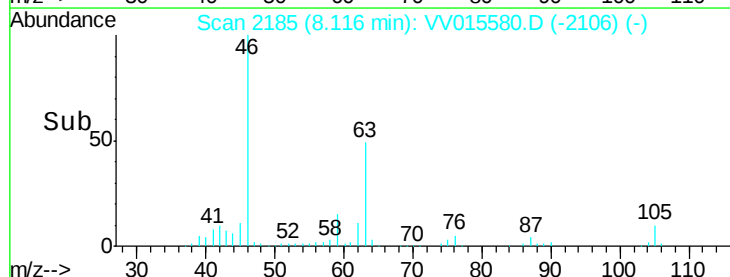
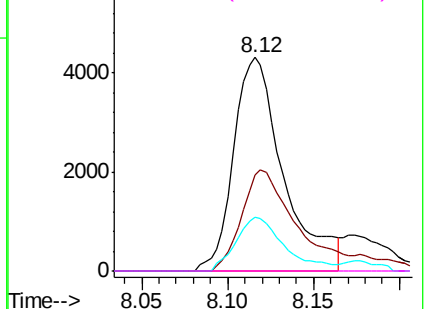


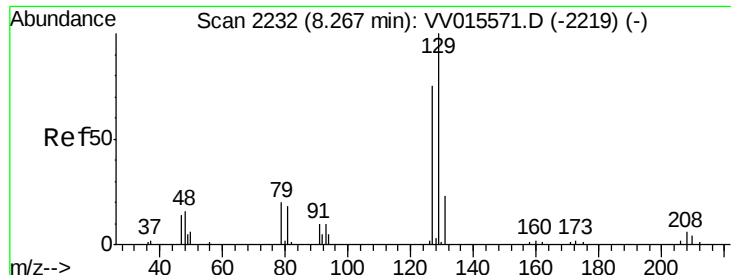
Abundance Ion 43.05 (42.75 to 43.75): VV0

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





#49

Dibromochloromethane

Concen: 0.451 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. -0.27 min

Lab File: VV015580.D

Acq: 20 Apr 2020 14:08

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 2301

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#

