

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042920\
 Data File : VV015786.D
 Acq On : 29 Apr 2020 12:44
 Operator : SY/MD
 Sample : L2419-05DL 400X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 30 01:37:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 30 01:35:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	126170	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	122709	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	57474	5.00	ug/L	0.00

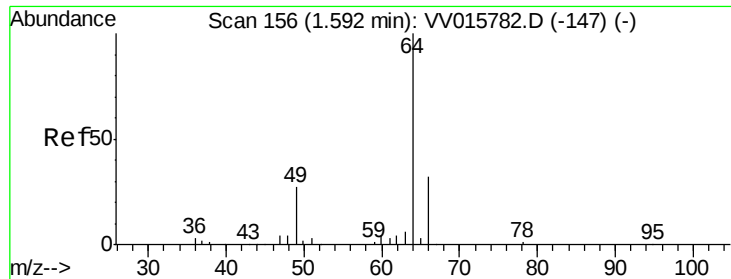
System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	38962	5.91	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	118.20%
7) Chloroethane-d5	1.58	69	33617	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.80%
11) 1,1-Dichloroethene-d2	2.12	63	57559	3.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.80%
20) 2-Butanone-d5	3.96	46	94820	44.79	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.58%
24) Chloroform-d	4.38	84	66847	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.00%
26) 1,2-Dichloroethane-d4	5.06	65	42232	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.07	84	139399	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
36) 1,2-Dichloropropane-d6	6.10	67	43945	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	7.34	98	123876	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.00%
43) trans-1,3-Dichloropropene-	7.65	79	15110	4.17	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.40%
46) 2-Hexanone-d5	8.12	63	65775	37.27	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	74.54%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	29051	4.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	44379	4.54	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.80%

Target Compounds

					Ovalue
8) Chloroethane	1.60	64	859	0.131	ug/L # 43
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	571	0.072	ug/L # 26
12) 1,1-Dichloroethene	2.11	96	529	0.072	ug/L # 1
16) Methylene chloride	2.52	84	1903	0.210	ug/L 90
25) Chloroform	4.41	83	7758	0.453	ug/L 87
35) Methylcyclohexane	6.10	83	11110	0.748	ug/L # 16
37) 1,2-Dichloropropane	6.10	63	5726	0.643	ug/L # 86
39) cis-1,3-Dichloropropene	7.01	75	1386	0.112	ug/L # 68
44) trans-1,3-Dichloropropene	7.64	75	807	0.077	ug/L # 75
47) Tetrachloroethene	8.00	164	37713	5.410	ug/L 98
48) 2-Hexanone	8.17	43	5865	1.422	ug/L # 94
49) Dibromochloromethane	8.00	129	37085	5.900	ug/L # 12

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



#8

Chloroethane

Concen: 0.131 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV015786.D

Acq: 29 Apr 2020 12:44

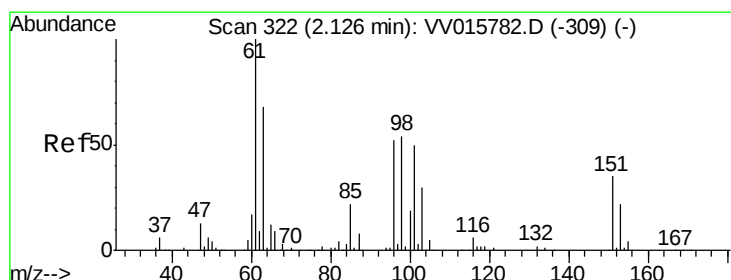
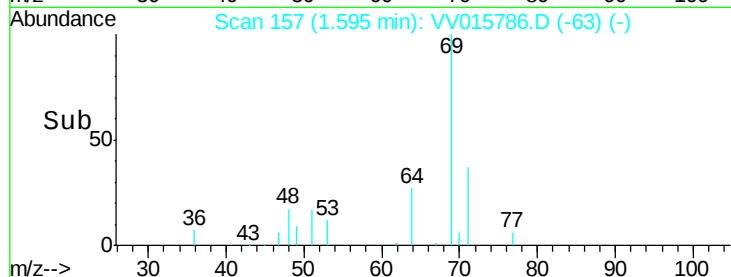
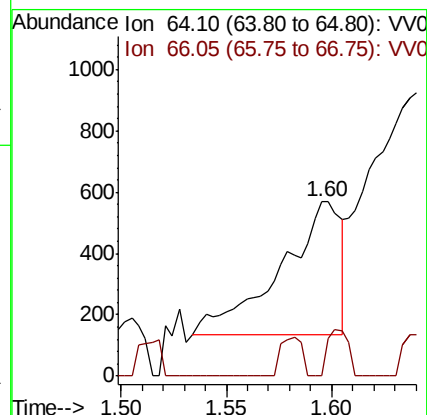
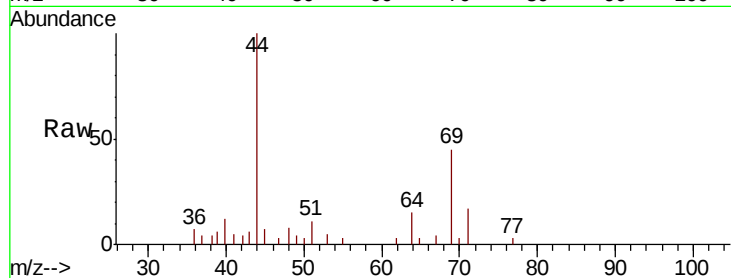
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 64 Resp: 859

Ion Ratio Lower Upper

64 100

66 0.0 22.3 41.5#



#10

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

Concen: 0.072 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV015786.D

Acq: 29 Apr 2020 12:44

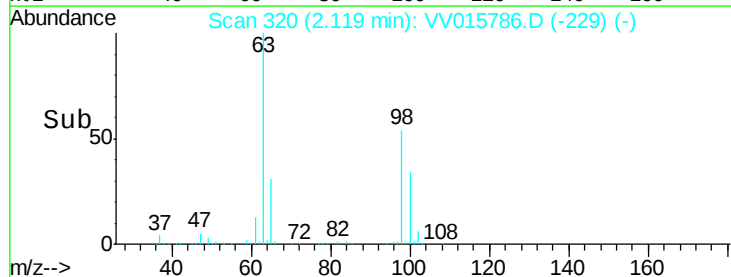
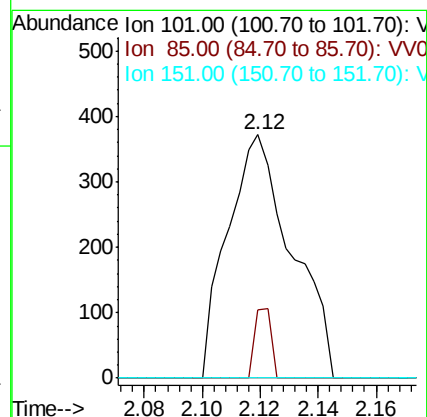
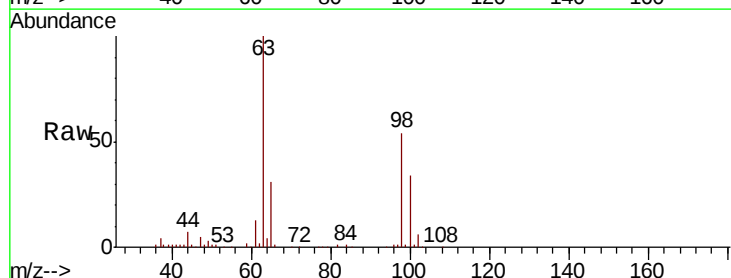
Tgt Ion: 101 Resp: 571

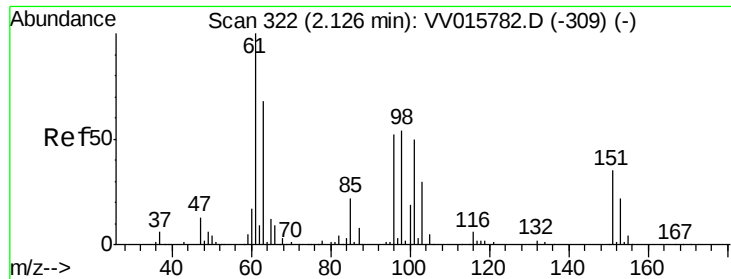
Ion Ratio Lower Upper

101 100

85 7.2 36.1 54.1#

151 0.0 55.2 82.8#





#12

1,1-Dichloroethene

Concen: 0.072 ug/L

RT: 2.11 min Scan# 318

Delta R.T. -0.01 min

Lab File: VV015786.D

Acq: 29 Apr 2020 12:44

Instrument :

MSVOA_V

ClientSampled :

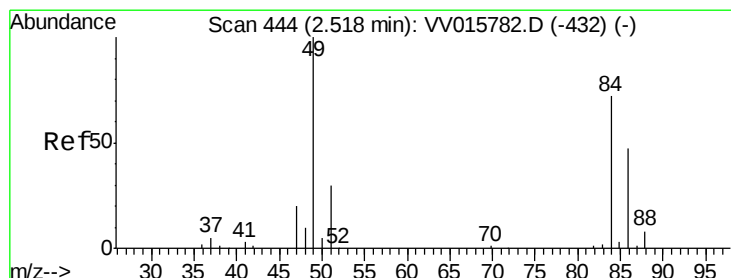
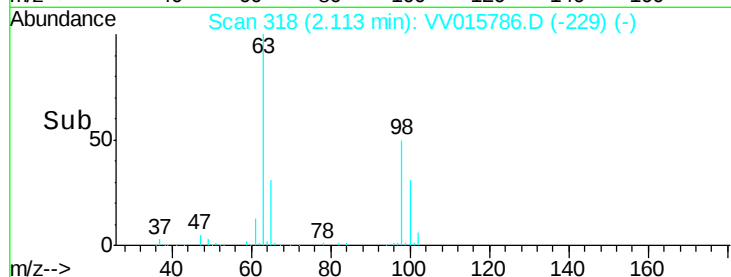
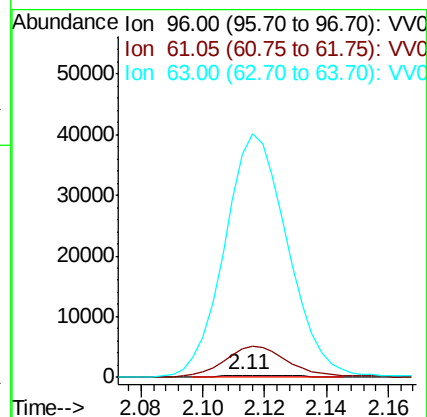
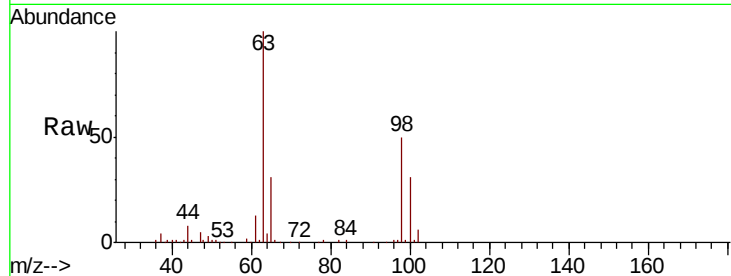
Tot Ion: 96 Resp: 529

Ion Ratio Lower Upper

96 100

61 1407.3 130.1 241.7#

63 11212.2 91.4 169.8#



#16

Methylene chloride

Concen: 0.210 ug/L

RT: 2.52 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV015786.D

Acq: 29 Apr 2020 12:44

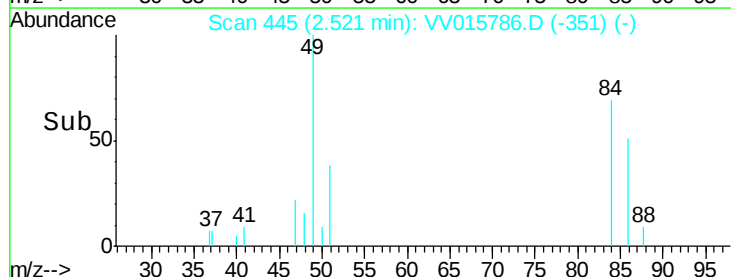
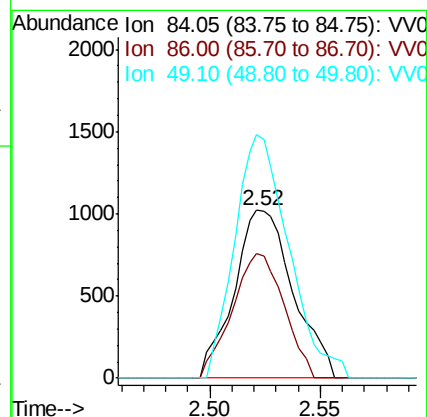
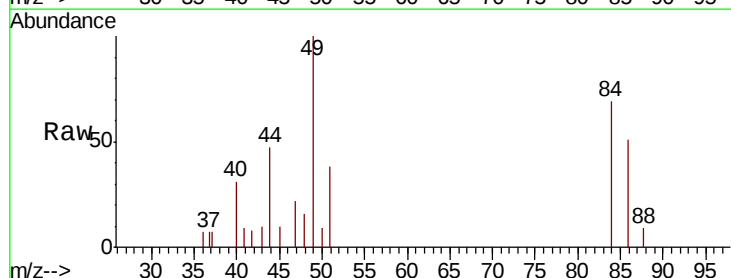
Tgt Ion: 84 Resp: 1903

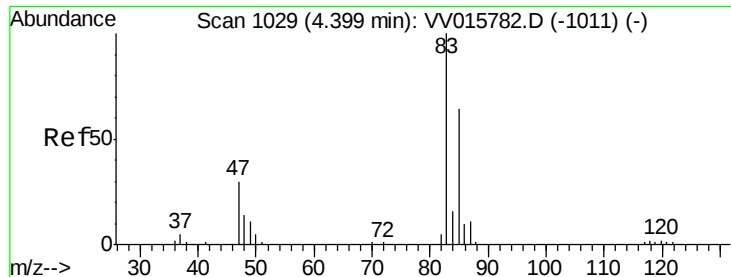
Ion Ratio Lower Upper

84 100

86 74.6 45.1 83.7

49 145.0 94.4 175.4





#25

Chloroform

Concen: 0.453 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VV015786.D

Acq: 29 Apr 2020 12:44

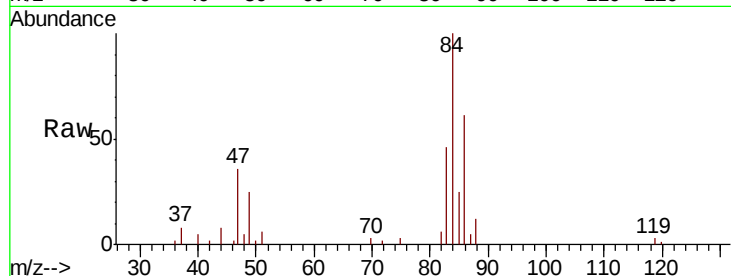
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 7758

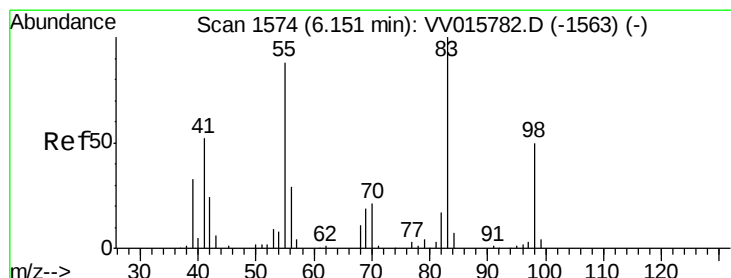
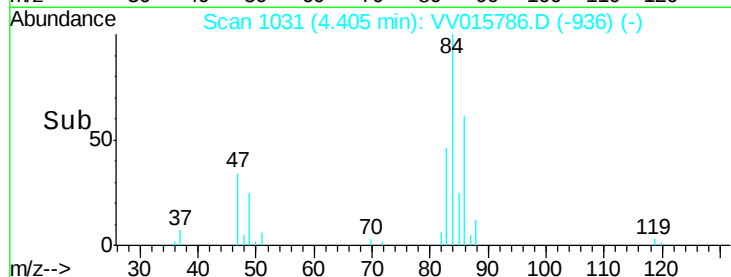
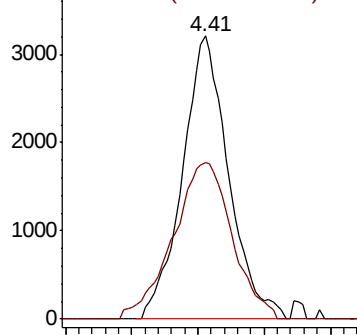
Ion Ratio Lower Upper

83 100

85 55.2 46.1 85.5



Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0



#35

Methylcyclohexane

Concen: 0.748 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.05 min

Lab File: VV015786.D

Acq: 29 Apr 2020 12:44

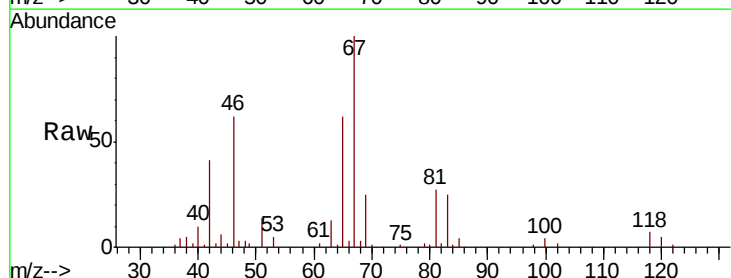
Tgt Ion: 83 Resp: 11110

Ion Ratio Lower Upper

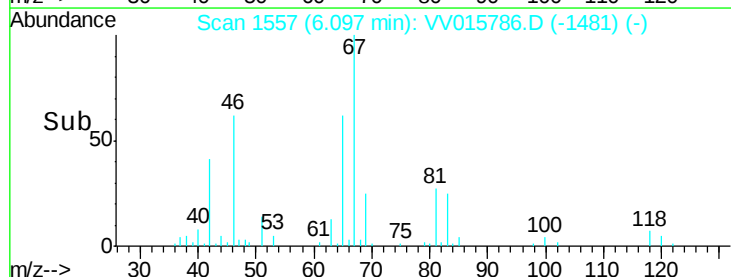
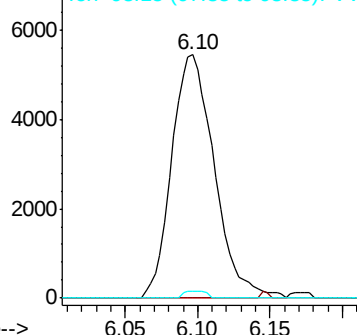
83 100

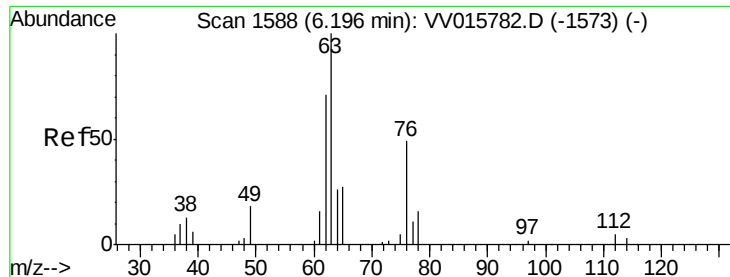
55 0.5 66.6 99.8#

98 1.5 39.5 59.3#



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

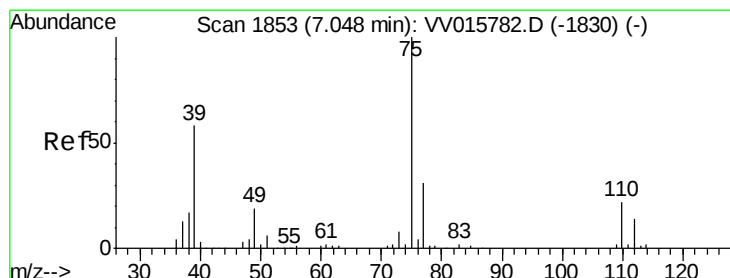
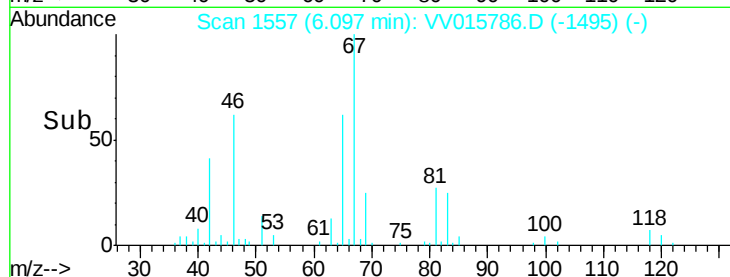
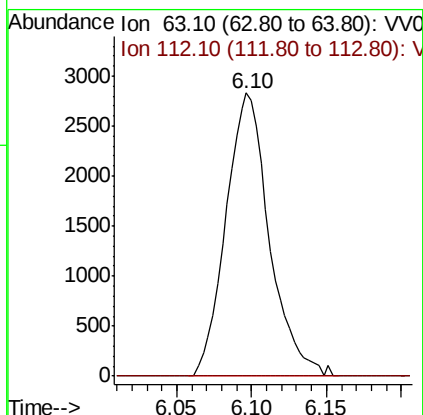
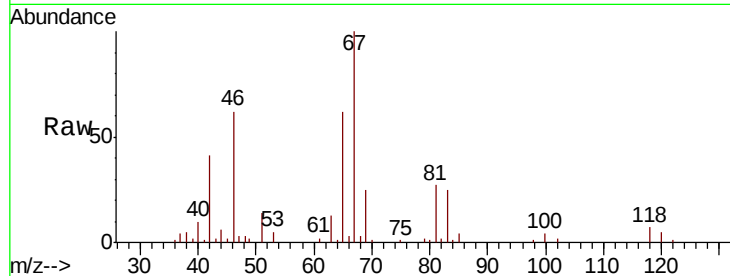




#37
 1,2-Dichloropropane
 Concen: 0.643 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV015786.D
 Acq: 29 Apr 2020 12:44

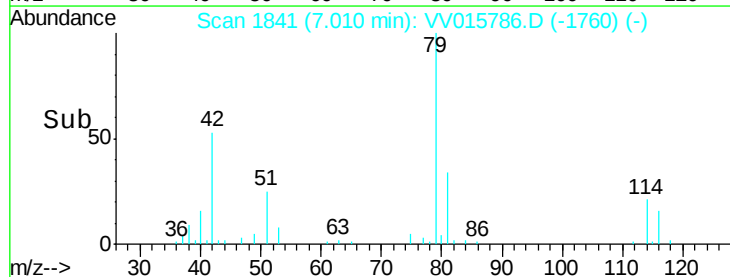
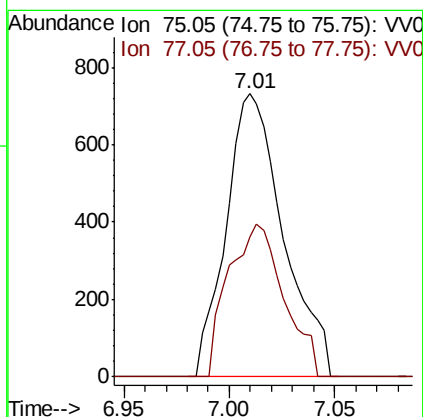
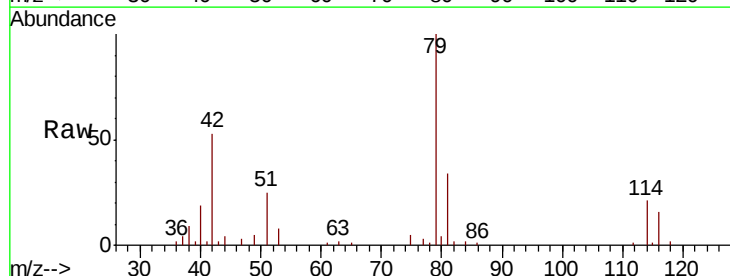
Instrument :
 MSVOA_V
 ClientSampleId :

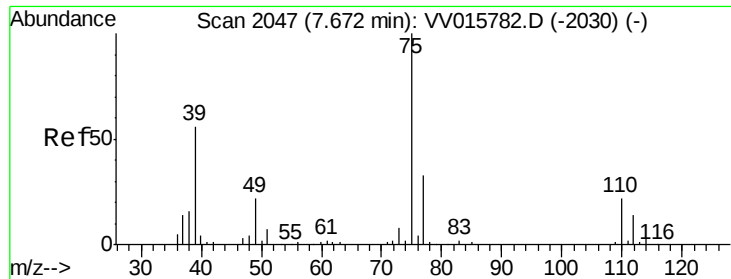
Tot Ion: 63 Resp: 5726
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.112 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV015786.D
 Acq: 29 Apr 2020 12:44

Tgt Ion: 75 Resp: 1386
 Ion Ratio Lower Upper
 75 100
 77 49.6 22.3 41.5#





#44

trans-1,3-Dichloropropene

Concen: 0.077 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. -0.03 min

Lab File: VV015786.D

Acq: 29 Apr 2020 12:44

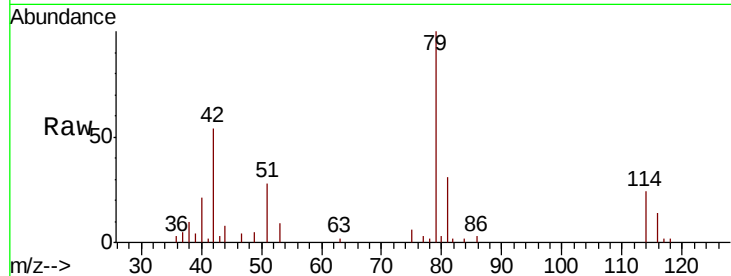
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 807

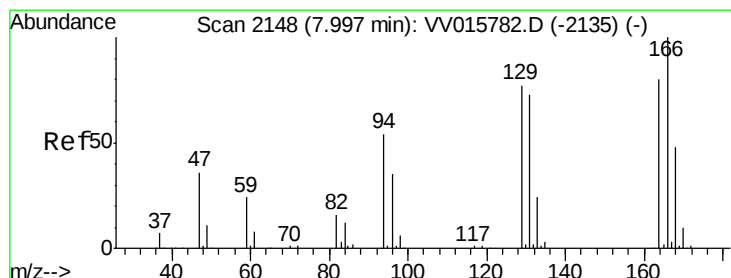
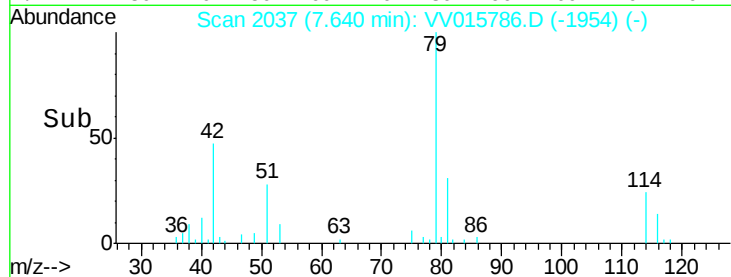
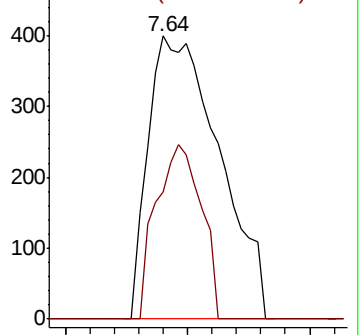
Ion Ratio Lower Upper

75 100

77 45.1 21.8 40.6#



Abundance Ion 75.05 (74.75 to 75.75): VV015786.D (-1954) (-)



#47

Tetrachloroethene

Concen: 5.410 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV015786.D

Acq: 29 Apr 2020 12:44

Tgt Ion:164 Resp: 37713

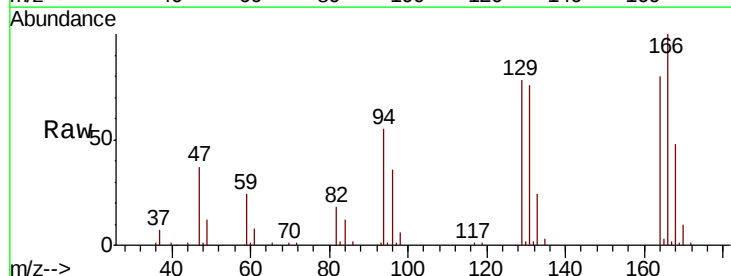
Ion Ratio Lower Upper

164 100

129 97.3 66.7 123.9

131 95.7 66.6 123.6

166 125.1 85.3 158.5

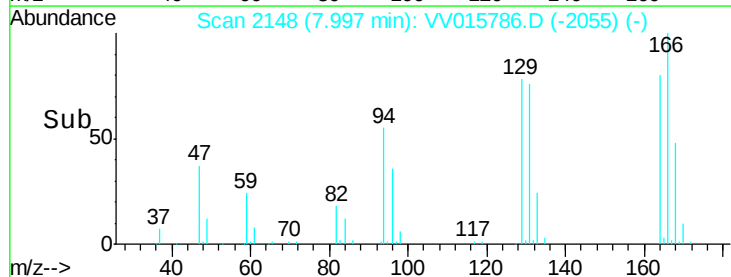
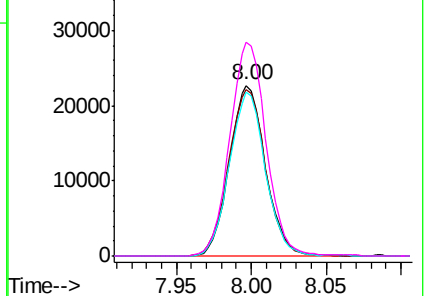


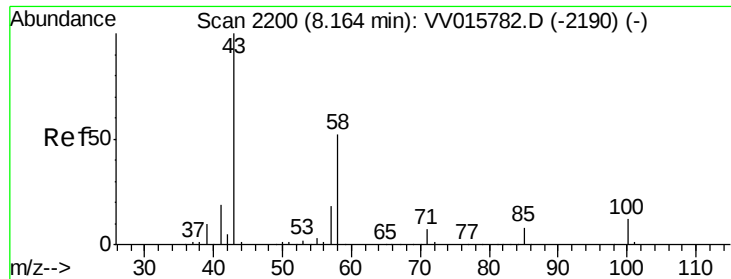
Abundance Ion 163.90 (163.60 to 164.60): VV015786.D (-2055) (-)

Ion 128.95 (128.65 to 129.65): VV015786.D (-2055) (-)

Ion 130.95 (130.65 to 131.65): VV015786.D (-2055) (-)

Ion 165.90 (165.60 to 166.60): VV015786.D (-2055) (-)

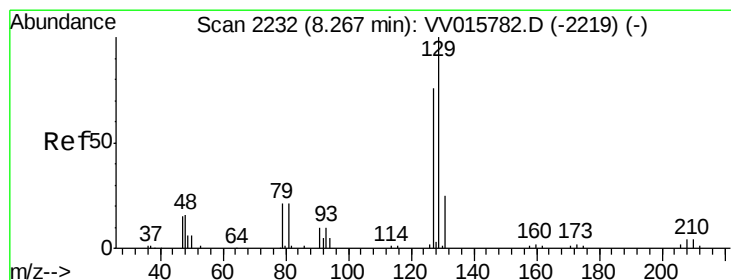
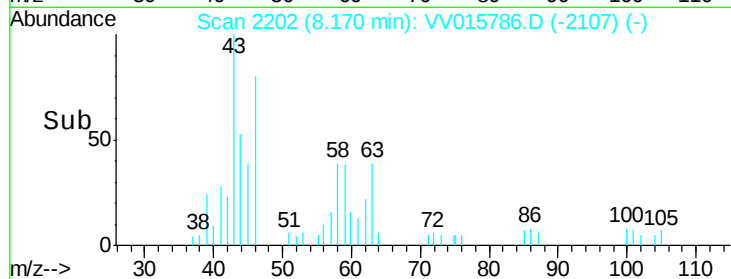
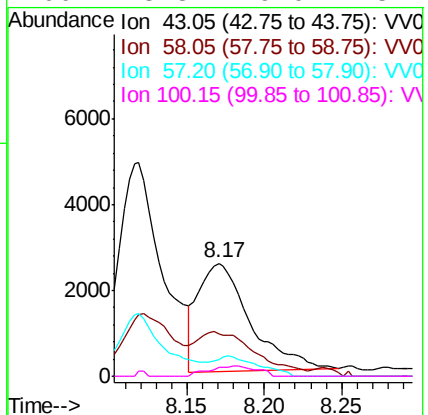
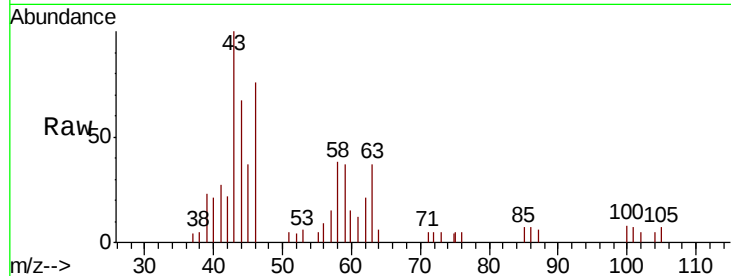




#48
2-Hexanone
Concen: 1.422 ug/L
RT: 8.17 min Scan# 2202
Delta R.T. 0.01 min
Lab File: VV015786.D
Acq: 29 Apr 2020 12:44

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 5865
Ion Ratio Lower Upper
43 100
58 47.3 41.1 61.7
57 15.5 15.0 22.4
100 8.8 9.0 13.4#



#49
Dibromochloromethane
Concen: 5.900 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV015786.D
Acq: 29 Apr 2020 12:44

Tgt Ion: 129 Resp: 37085
Ion Ratio Lower Upper
129 100
127 0.6 52.6 97.8#

