

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041720\
 Data File : VV015551.D
 Acq On : 17 Apr 2020 13:40
 Operator : SY/MD
 Sample : L2320-06DL 5X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 18 00:40:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Apr 18 00:37:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	93278	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	87138	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	42554	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	23619	4.88	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.60%
7) Chloroethane-d5	1.58	69	22398	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.60%
11) 1,1-Dichloroethene-d2	2.12	63	35614	3.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.80%
20) 2-Butanone-d5	3.93	46	72766	53.55	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.10%
24) Chloroform-d	4.38	84	52977	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.06	65	30291	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.80%
32) Benzene-d6	5.07	84	101081	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.60%
36) 1,2-Dichloropropane-d6	6.10	67	31874	5.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.80%
41) Toluene-d8	7.34	98	92232	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
43) trans-1,3-Dichloropropene-	7.65	79	12278	4.69	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.80%
46) 2-Hexanone-d5	8.11	63	58920	46.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.32%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	20720	4.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	34760	5.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

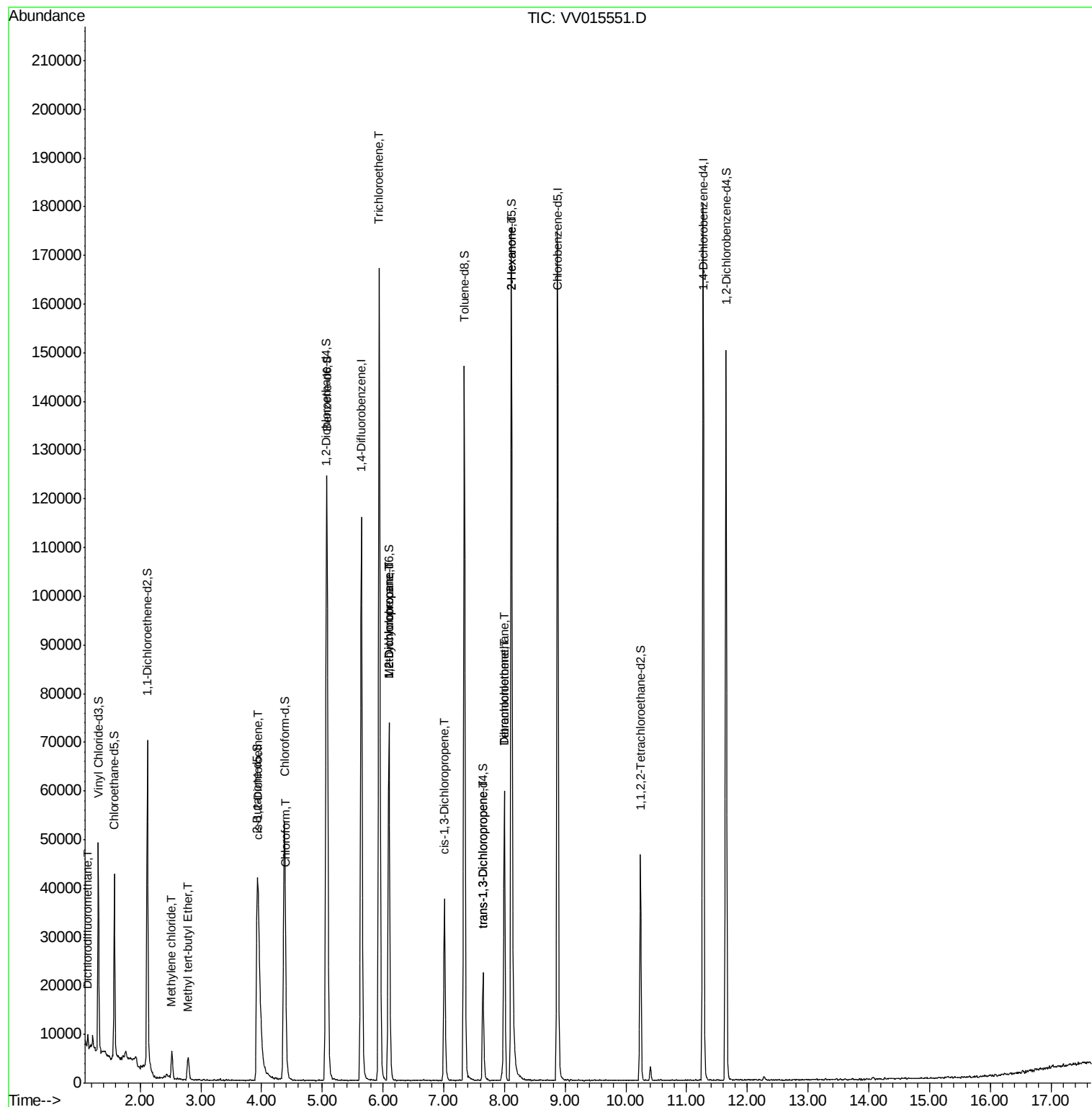
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	1095	0.119	ug/L	91
16) Methylene chloride	2.52	84	2250	0.328	ug/L	89
17) Methyl tert-butyl Ether	2.79	73	4517	0.289	ug/L #	89
22) cis-1,2-Dichloroethene	3.95	96	1903	0.278	ug/L	85
25) Chloroform	4.40	83	2285	0.180	ug/L	82
34) Trichloroethene	5.94	95	56744	8.084	ug/L	98
35) Methylcyclohexane	6.10	83	7967	0.674	ug/L #	17
37) 1,2-Dichloropropane	6.10	63	4247	0.657	ug/L #	86
39) cis-1,3-Dichloropropene	7.01	75	941	0.095	ug/L #	58
44) trans-1,3-Dichloropropene	7.65	75	626	0.075	ug/L #	65
47) Tetrachloroethene	8.00	164	12063	2.319	ug/L	99
48) 2-Hexanone	8.11	43	8340	2.810	ug/L #	73
49) Dibromochloromethane	8.00	129	12112	2.325	ug/L #	10

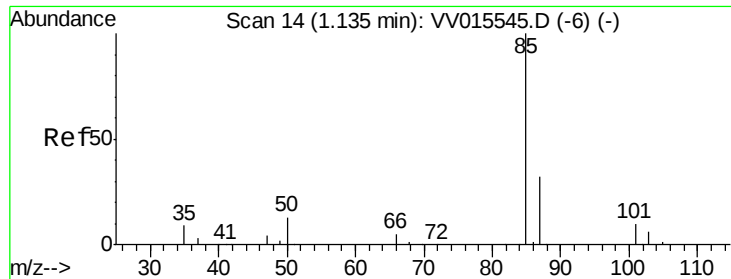
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 17 Apr 2020 13:40
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Apr 18 00:37:52 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.119 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015551.D

Acq: 17 Apr 2020 13:40

Instrument :

MSVOA_V

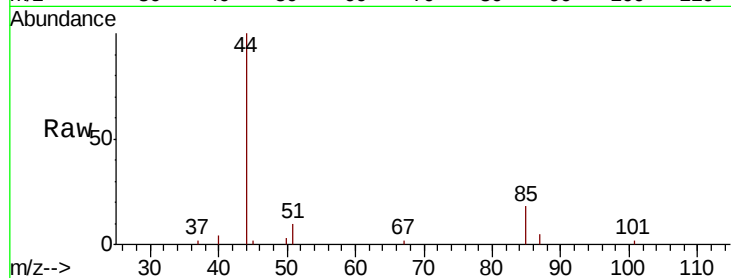
ClientSampleId :

Tot Ion: 85 Resp: 1095

Ion Ratio Lower Upper

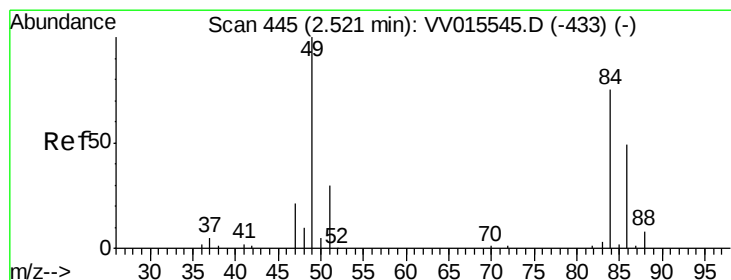
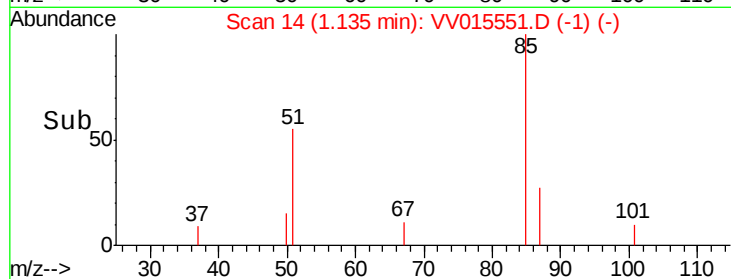
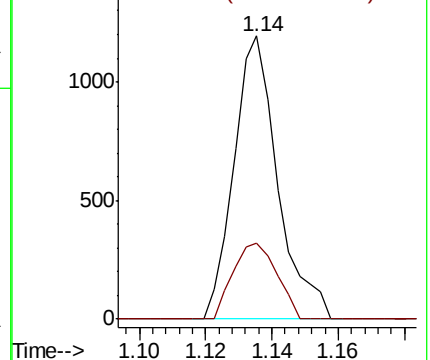
85 100

87 26.8 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#16

Methylene chloride

Concen: 0.328 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV015551.D

Acq: 17 Apr 2020 13:40

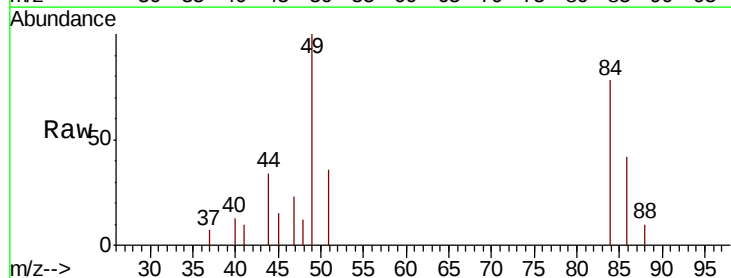
Tgt Ion: 84 Resp: 2250

Ion Ratio Lower Upper

84 100

86 54.0 45.1 83.7

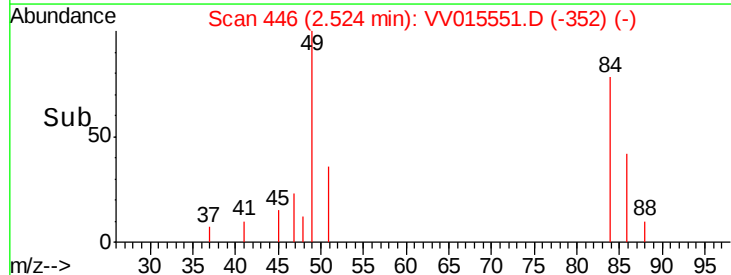
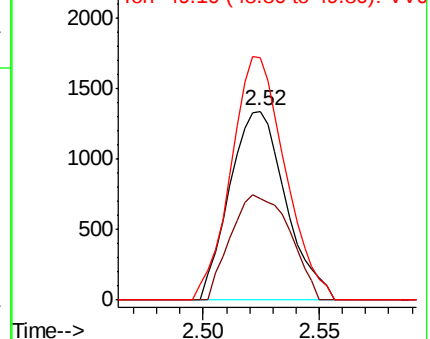
49 128.3 97.9 181.7

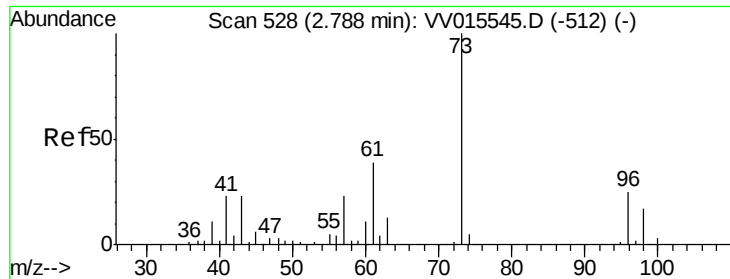


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

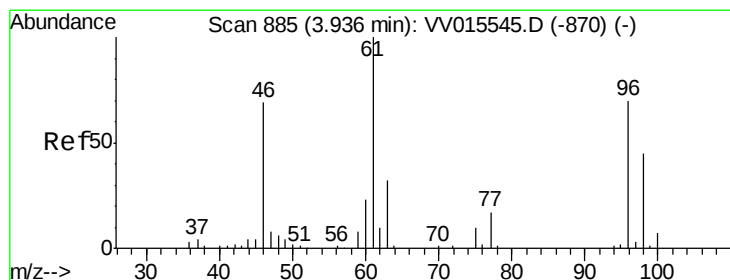
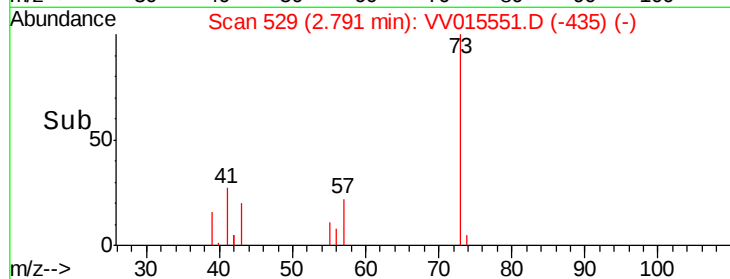
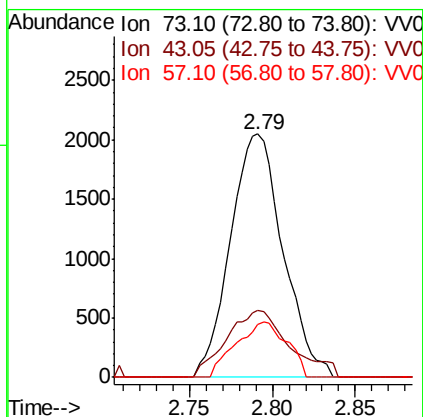
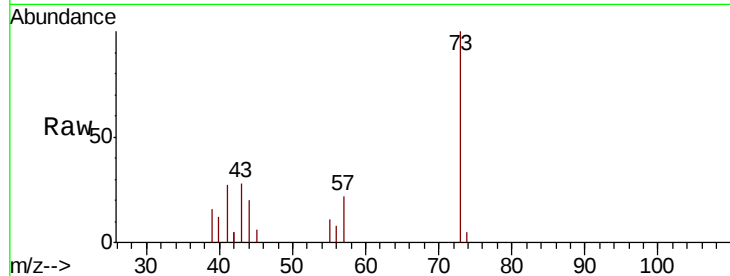




#17
Methvl tert-butvl Ether
Concen: 0.289 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV015551.D
Acq: 17 Apr 2020 13:40

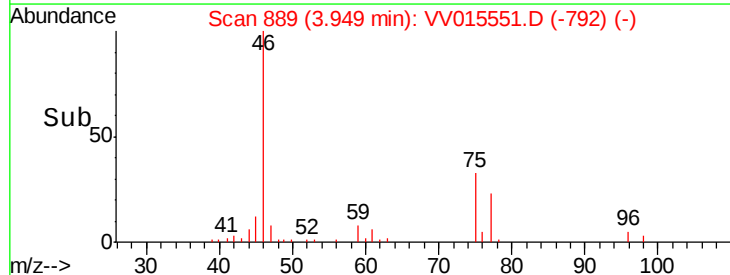
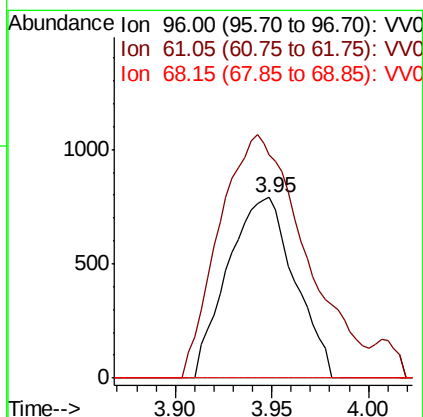
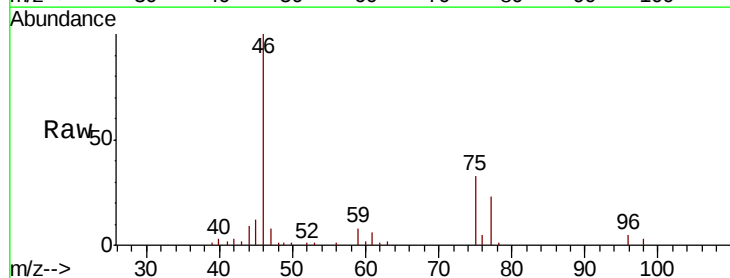
Instrument :
MSVOA_V
ClientSampled :

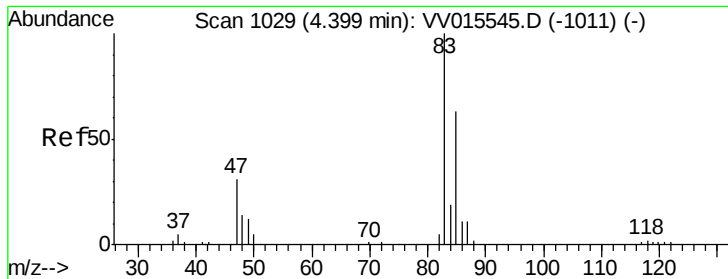
Tot Ion: 73 Resp: 4517
Ion Ratio Lower Upper
73 100
43 32.9 18.3 27.5#
57 22.0 18.4 27.6



#22
cis-1,2-Dichloroethene
Concen: 0.278 ug/L
RT: 3.95 min Scan# 889
Delta R.T. 0.01 min
Lab File: VV015551.D
Acq: 17 Apr 2020 13:40

Tgt Ion: 96 Resp: 1903
Ion Ratio Lower Upper
96 100
61 123.8 100.0 185.8
68 0.0 0.0 0.0

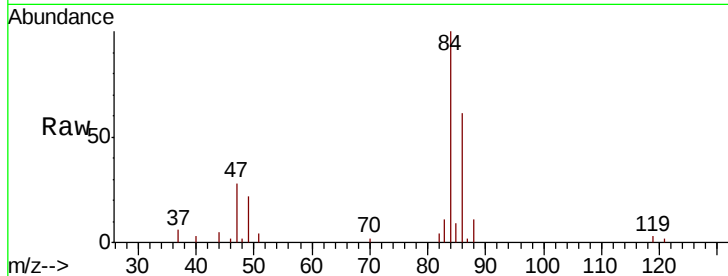




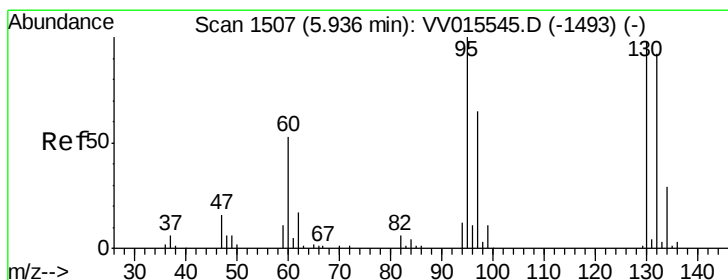
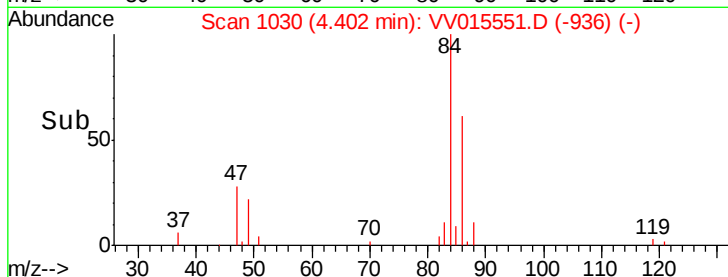
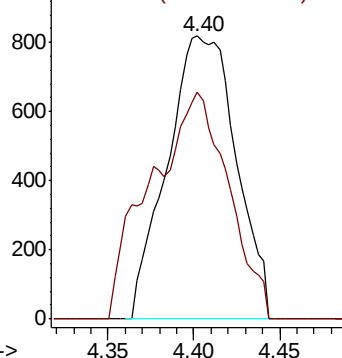
#25
Chloroform
Concen: 0.180 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV015551.D
Acq: 17 Apr 2020 13:40

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 2285
Ion Ratio Lower Upper
83 100
85 80.2 45.9 85.3

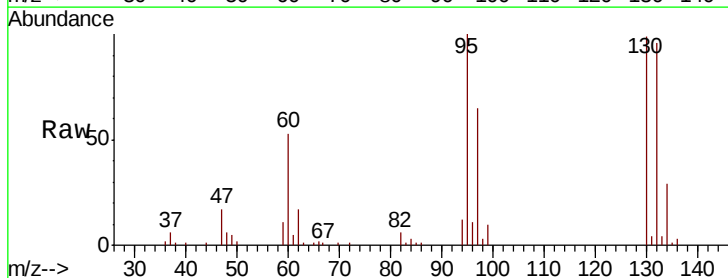


Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0

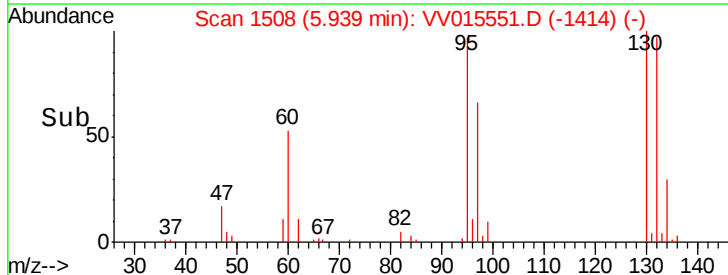
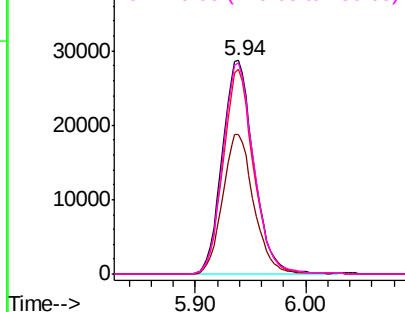


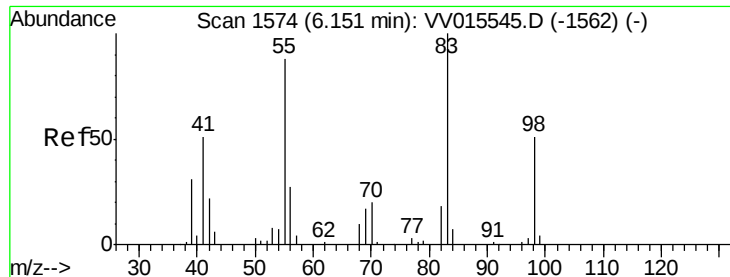
#34
Trichloroethene
Concen: 8.084 ug/L
RT: 5.94 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VV015551.D
Acq: 17 Apr 2020 13:40

Tgt Ion: 95 Resp: 56744
Ion Ratio Lower Upper
95 100
97 65.3 45.4 84.4
132 95.9 64.8 120.4
130 98.7 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

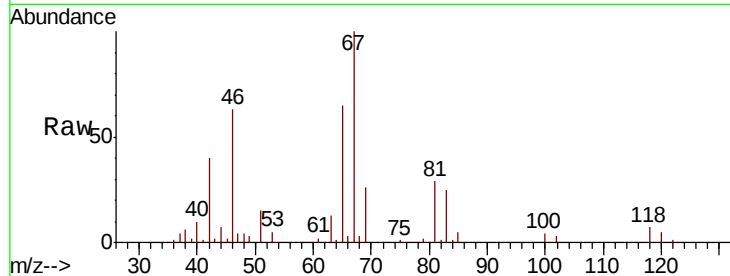




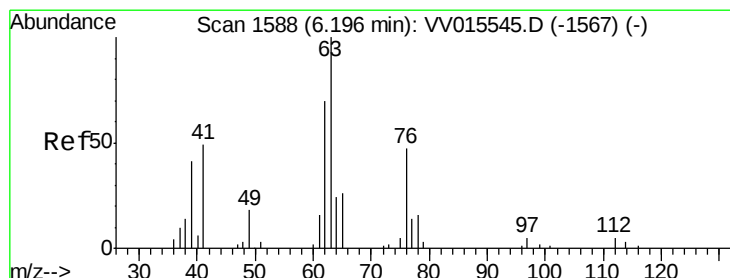
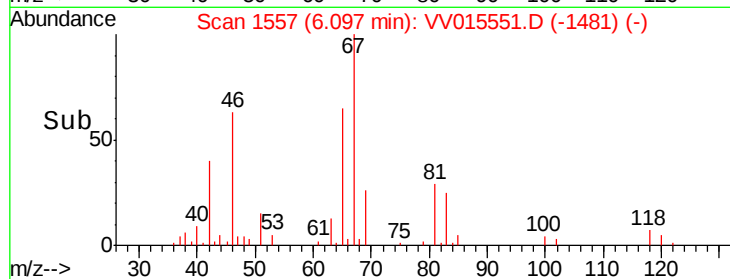
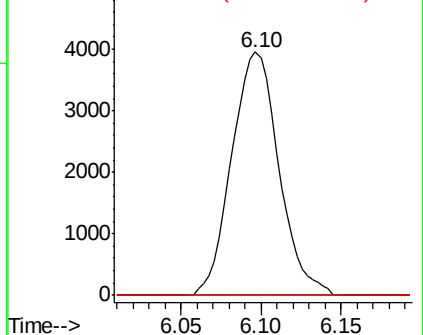
#35
Methvlcvclohexane
Concen: 0.674 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV015551.D
Acq: 17 Apr 2020 13:40

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 7967
Ion Ratio Lower Upper
83 100
55 0.0 66.6 99.8#
98 3.4 38.7 58.1#

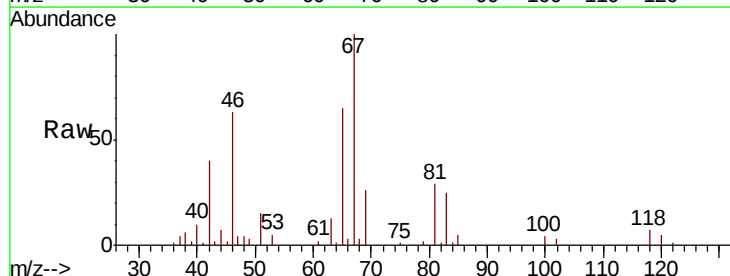


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

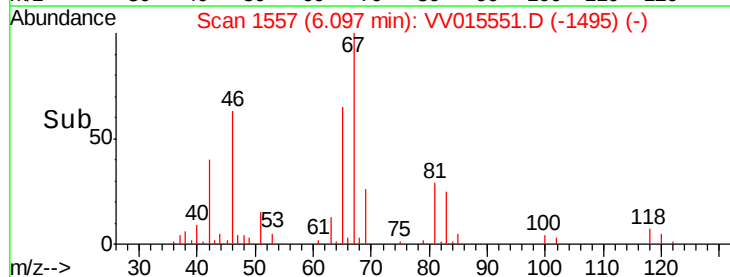
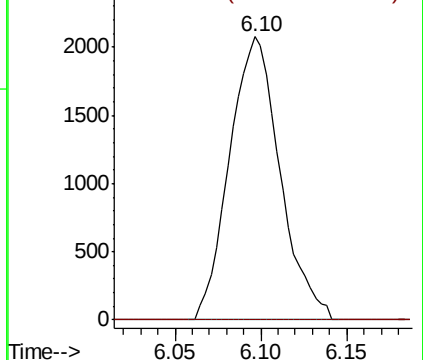


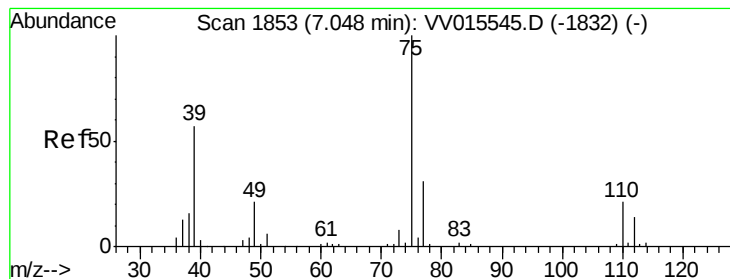
#37
1,2-Dichloropropane
Concen: 0.657 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV015551.D
Acq: 17 Apr 2020 13:40

Tgt Ion: 63 Resp: 4247
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V



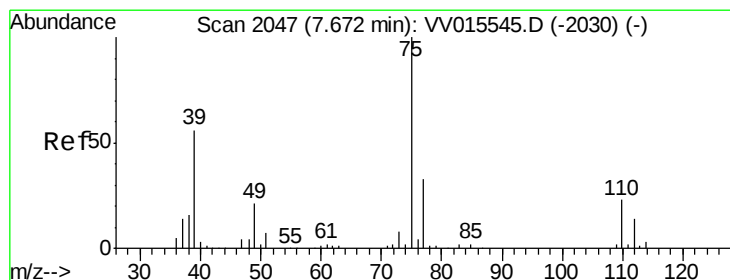
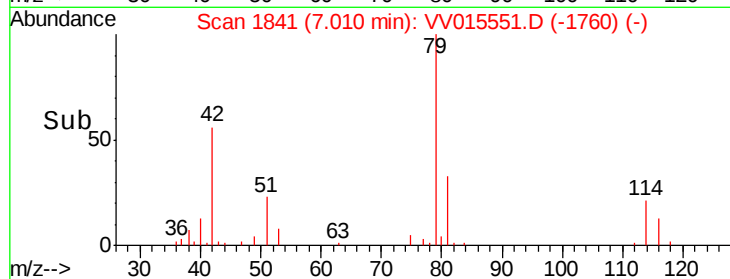
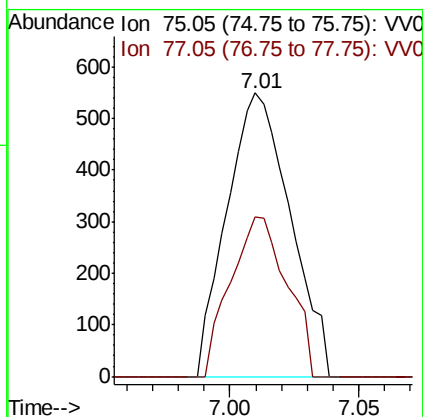
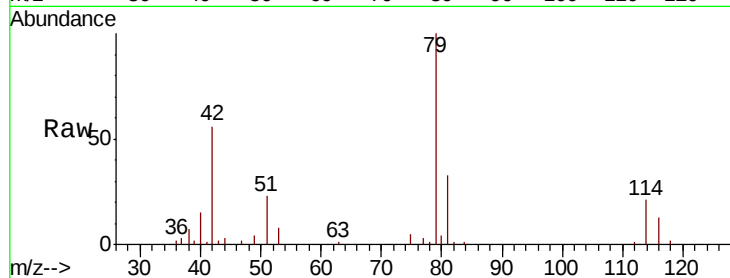


#39

cis-1,3-Dichloropropene
Concen: 0.095 ug/L
RT: 7.01 min Scan# 1841
Delta R.T. -0.04 min
Lab File: VV015551.D
Acq: 17 Apr 2020 13:40

Instrument :
MSVOA_V
ClientSampled :

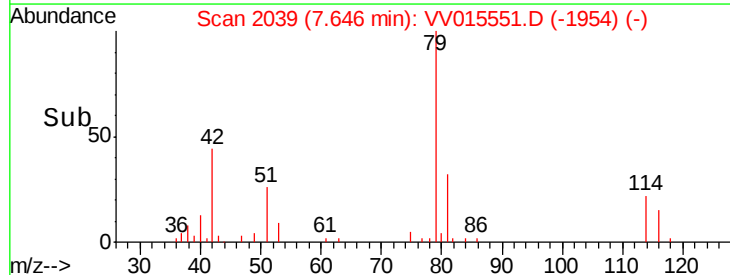
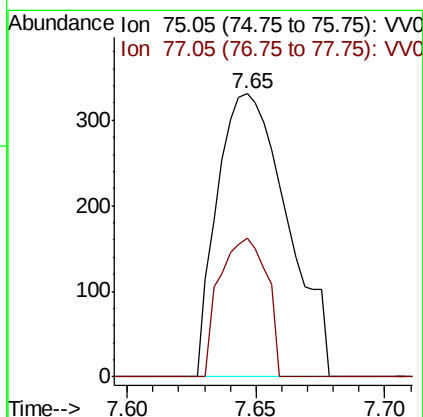
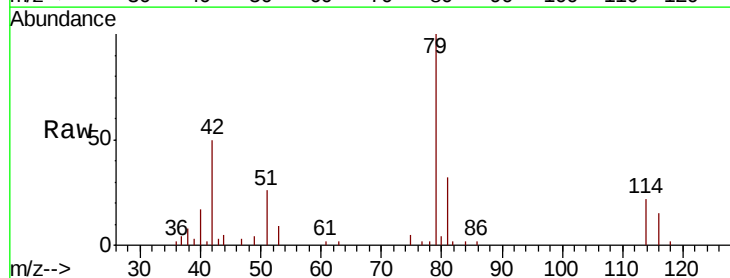
Tot Ion: 75 Resp: 941
Ion Ratio Lower Upper
75 100
77 56.5 23.0 42.6#

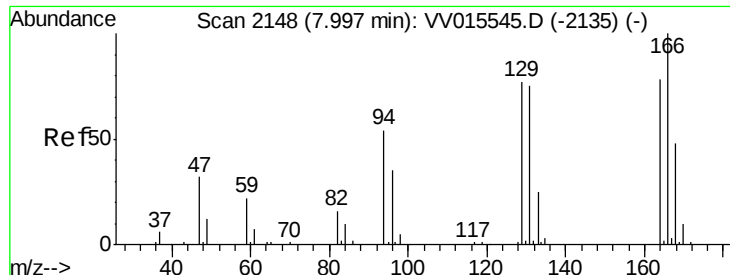


#44

trans-1,3-Dichloropropene
Concen: 0.075 ug/L
RT: 7.65 min Scan# 2039
Delta R.T. -0.03 min
Lab File: VV015551.D
Acq: 17 Apr 2020 13:40

Tgt Ion: 75 Resp: 626
Ion Ratio Lower Upper
75 100
77 48.9 21.0 39.0#





#47

Tetrachloroethene

Concen: 2.319 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV015551.D

Acq: 17 Apr 2020 13:40

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 12063

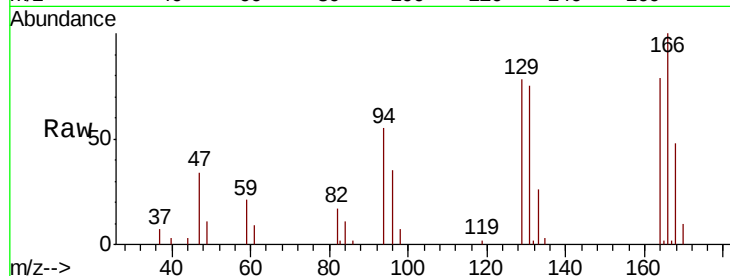
Ion Ratio Lower Upper

164 100

129 99.9 70.6 131.0

131 95.0 68.3 126.8

166 127.4 88.3 163.9

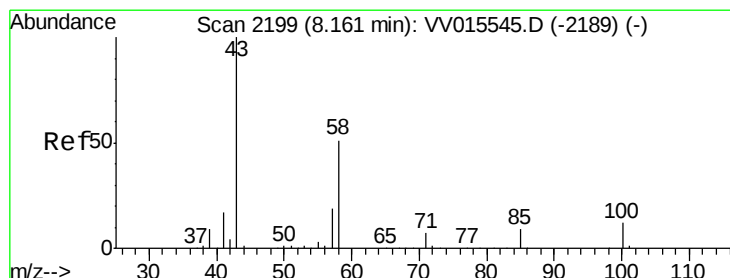
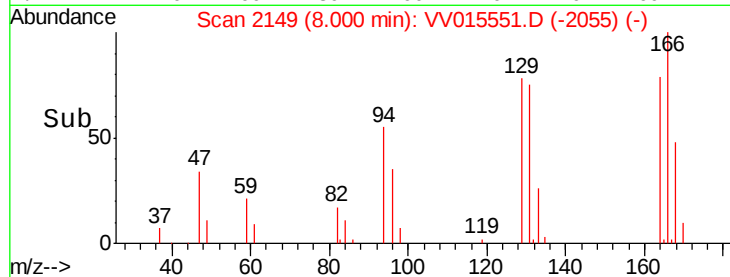
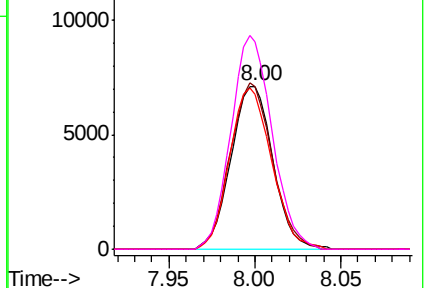


Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.810 ug/L

RT: 8.11 min Scan# 2184

Delta R.T. -0.05 min

Lab File: VV015551.D

Acq: 17 Apr 2020 13:40

Tgt Ion: 43 Resp: 8340

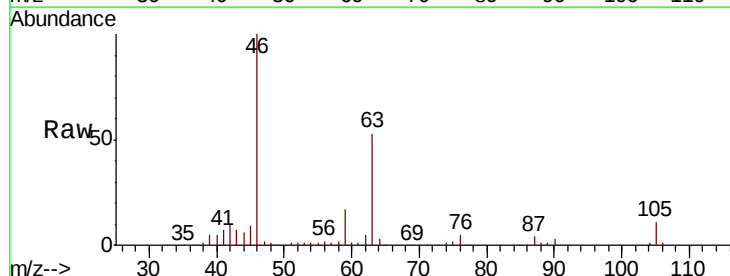
Ion Ratio Lower Upper

43 100

58 28.3 41.4 62.0#

57 20.9 15.0 22.4

100 0.0 9.4 14.2#

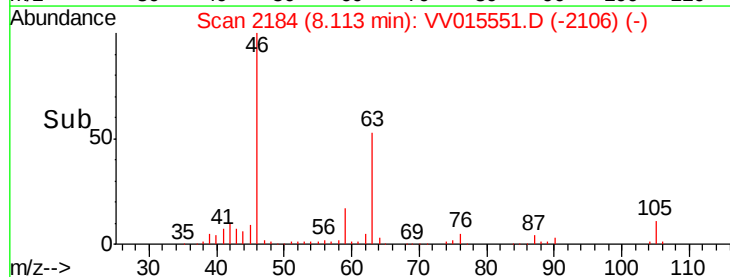
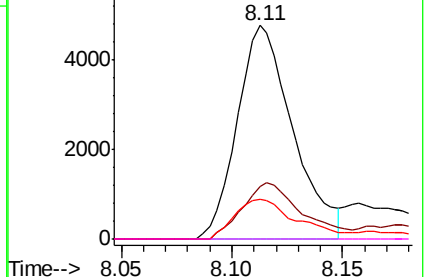


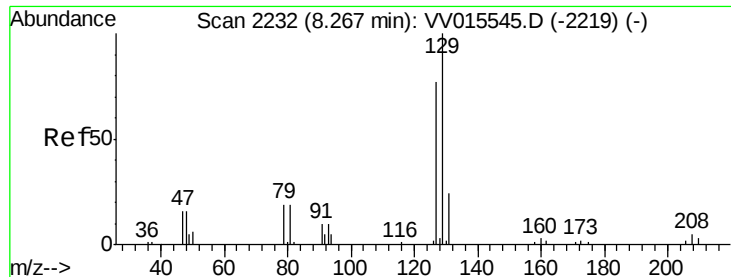
Abundance Ion 43.05 (42.75 to 43.75): VV0

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: 2.325 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV015551.D

Acq: 17 Apr 2020 13:40

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 12112

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#

