

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV043020\
 Data File : VV015834.D
 Acq On : 30 Apr 2020 14:05
 Operator : SY/MD
 Sample : L2419-09DL 4X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 01 01:46:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 01 01:42:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	129996	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	127319	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	58753	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	38976	5.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	114.80%
7) Chloroethane-d5	1.57	69	35557	5.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.60%
11) 1,1-Dichloroethene-d2	2.12	63	57434	3.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.20%
20) 2-Butanone-d5	3.97	46	103158	47.29	ug/L	0.05
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.58%
24) Chloroform-d	4.38	84	77562	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.06	65	45536	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.80%
32) Benzene-d6	5.07	84	152419	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
36) 1,2-Dichloropropane-d6	6.10	67	47228	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.20%
41) Toluene-d8	7.34	98	134859	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
43) trans-1,3-Dichloropropene-	7.65	79	16275	4.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.60%
46) 2-Hexanone-d5	8.12	63	75972	41.49	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.98%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	32114	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	48221	4.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.60%

Target Compounds

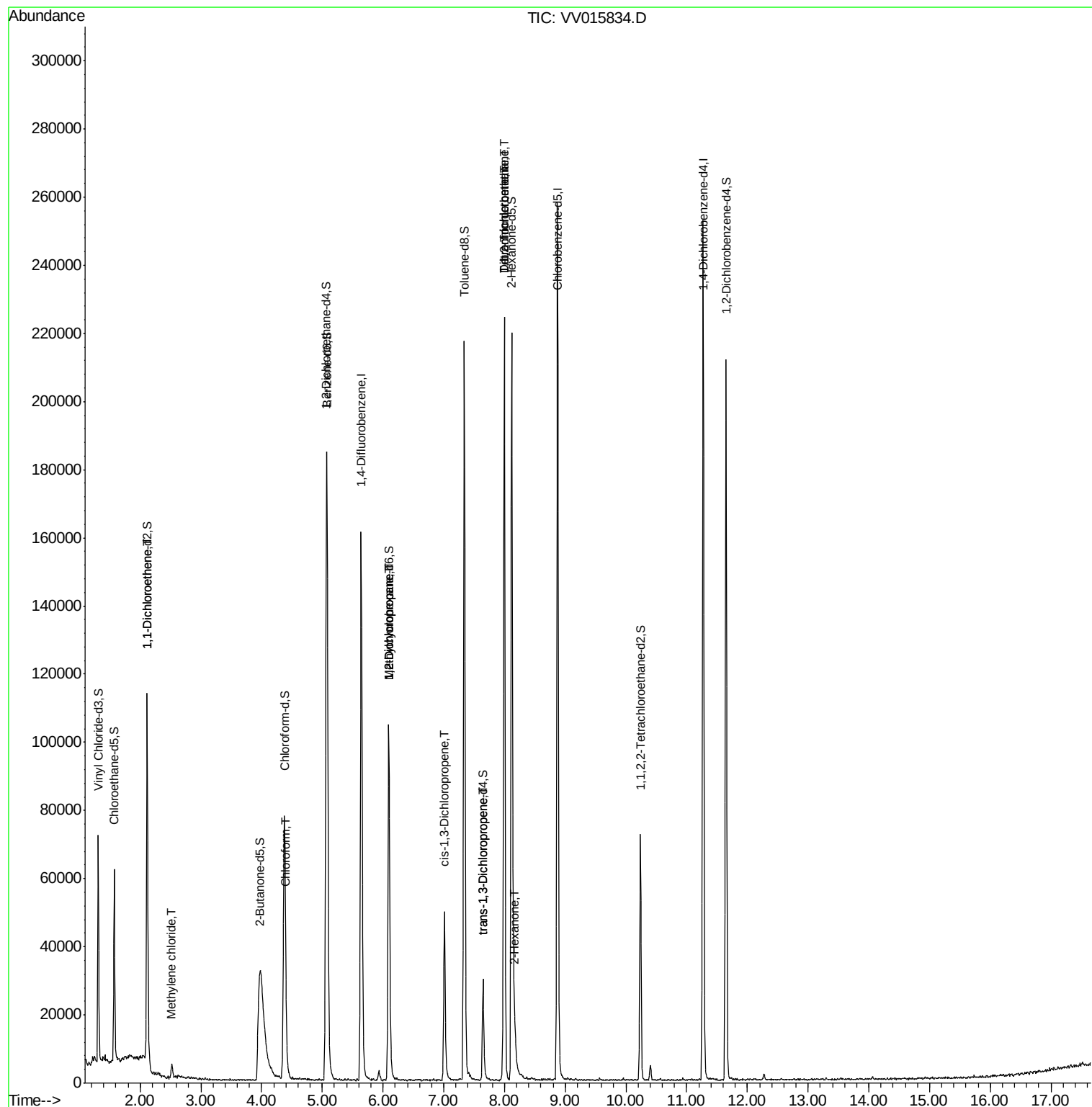
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.12	96	609	0.080	ug/L #	1
16) Methylene chloride	2.52	84	1483	0.159	ug/L	83
25) Chloroform	4.41	83	4216	0.239	ug/L	93
35) Methylcyclohexane	6.09	83	11328	0.735	ug/L #	16
37) 1,2-Dichloropropane	6.09	63	5847	0.632	ug/L #	86
39) cis-1,3-Dichloropropene	7.01	75	1502	0.117	ug/L #	49
44) trans-1,3-Dichloropropene	7.65	75	829	0.077	ug/L #	80
45) 1,1,2-Trichloroethane	7.99	97	586	0.093	ug/L #	40
47) Tetrachloroethene	8.00	164	44180	6.108	ug/L	93
48) 2-Hexanone	8.17	43	6907	1.614	ug/L #	82
49) Dibromochloromethane	8.00	129	43576	6.681	ug/L #	12

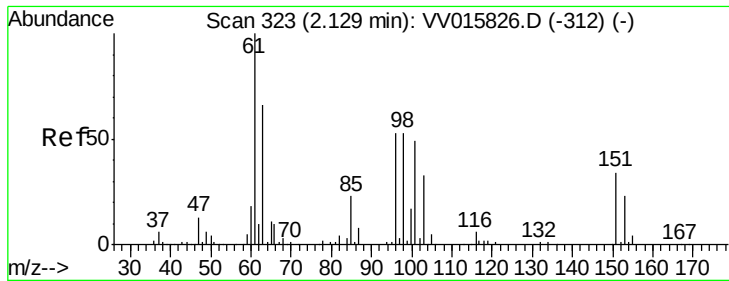
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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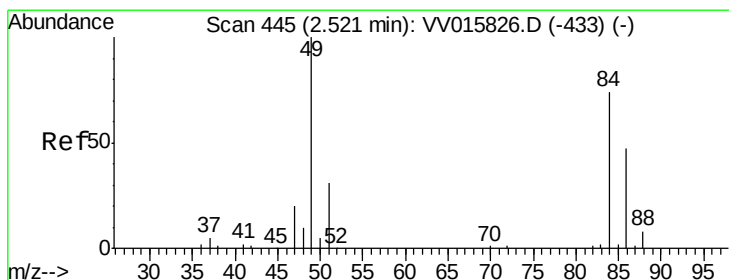
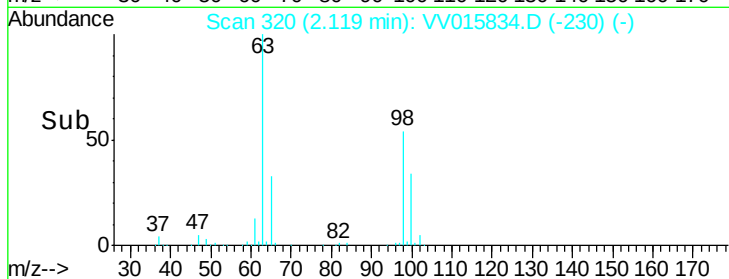
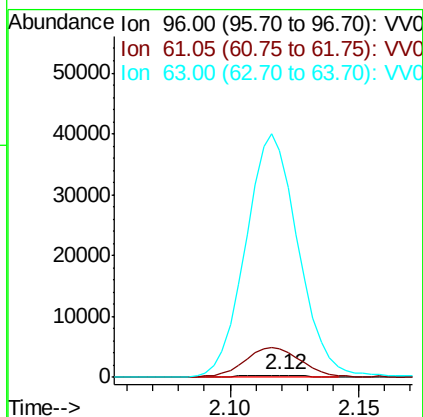
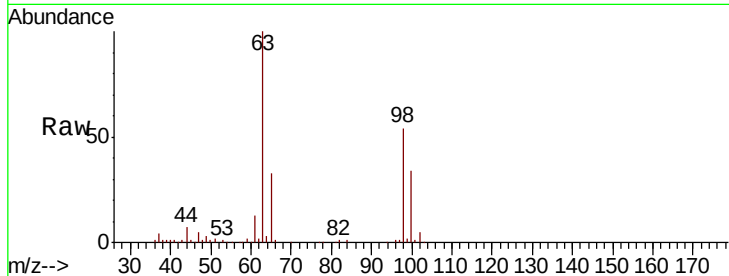




#12
 1,1-Dichloroethene
 Concen: 0.080 ug/L
 RT: 2.12 min Scan# 320
 Delta R.T. -0.01 min
 Lab File: VV015834.D
 Acq: 30 Apr 2020 14:05

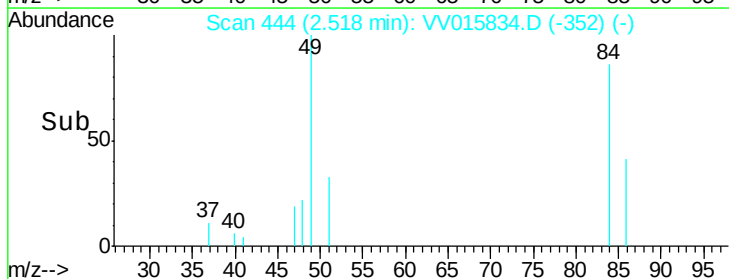
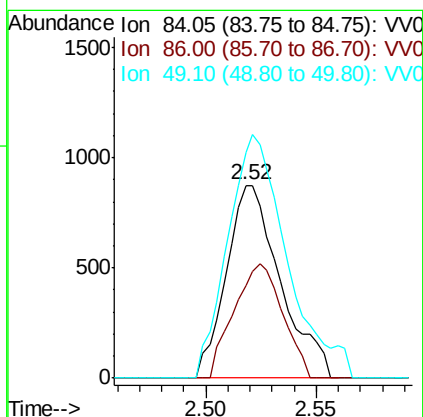
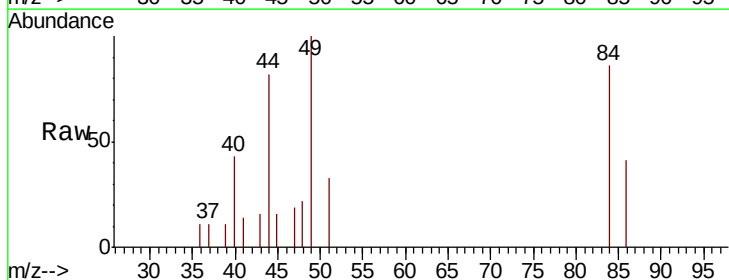
Instrument :
 MSVOA_V
 ClientSampled :

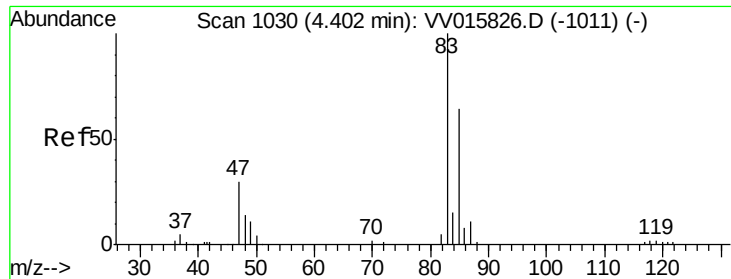
Tot Ion: 96 Resp: 609
 Ion Ratio Lower Upper
 96 100
 61 1449.5 130.1 241.7#
 63 11360.5 91.4 169.8#



#16
 Methylene chloride
 Concen: 0.159 ug/L
 RT: 2.52 min Scan# 444
 Delta R.T. -0.00 min
 Lab File: VV015834.D
 Acq: 30 Apr 2020 14:05

Tgt Ion: 84 Resp: 1483
 Ion Ratio Lower Upper
 84 100
 86 48.0 45.1 83.7
 49 117.0 94.4 175.4

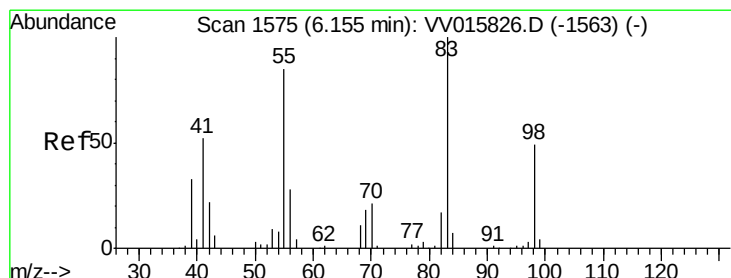
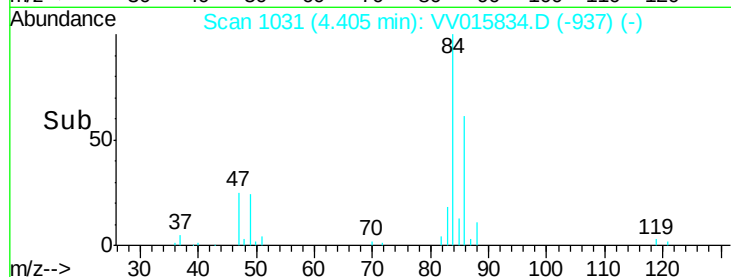
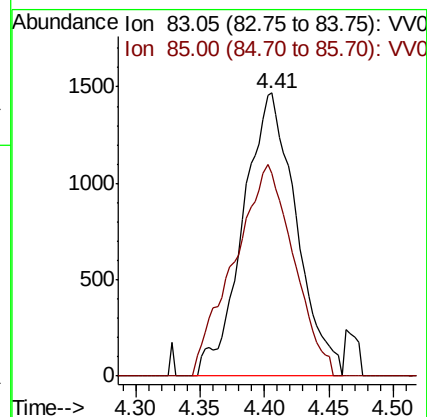
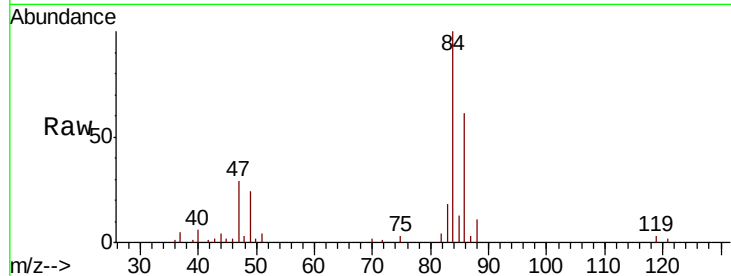




#25
Chloroform
Concen: 0.239 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV015834.D
Acq: 30 Apr 2020 14:05

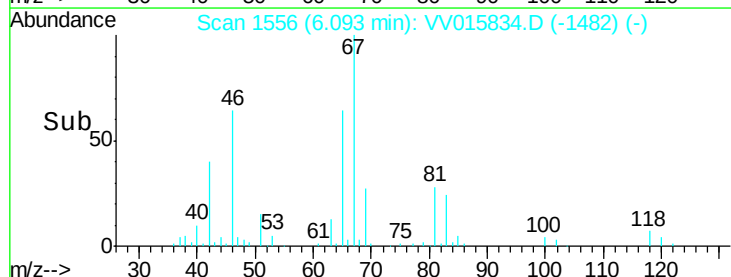
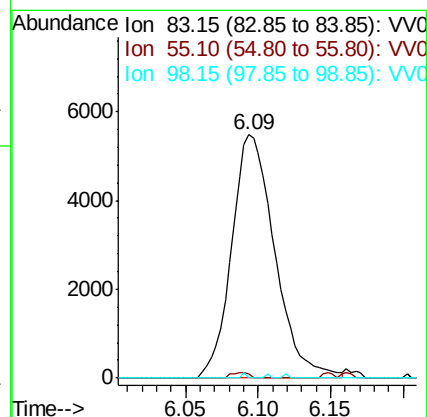
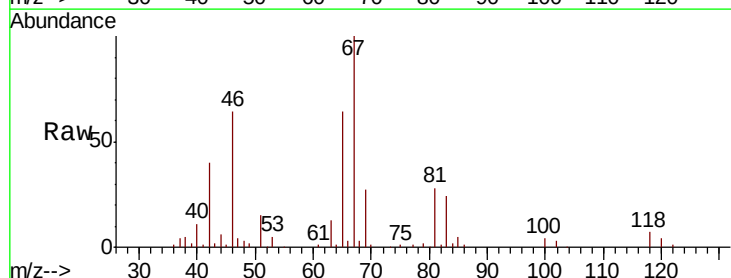
Instrument :
MSVOA_V
ClientSampled :

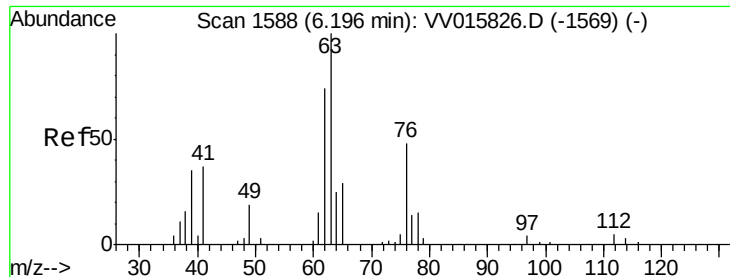
Tot Ion: 83 Resp: 4216
Ion Ratio Lower Upper
83 100
85 71.7 46.1 85.5



#35
Methylcyclohexane
Concen: 0.735 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV015834.D
Acq: 30 Apr 2020 14:05

Tgt Ion: 83 Resp: 11328
Ion Ratio Lower Upper
83 100
55 0.9 66.6 99.8#
98 0.2 39.5 59.3#

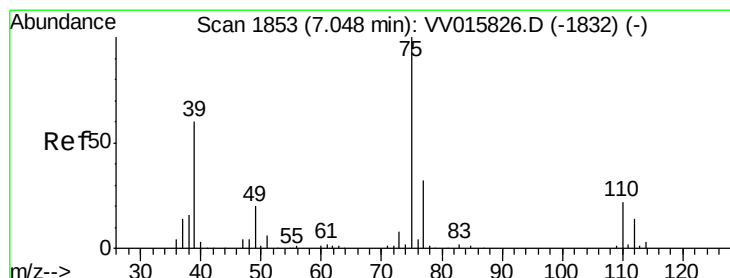
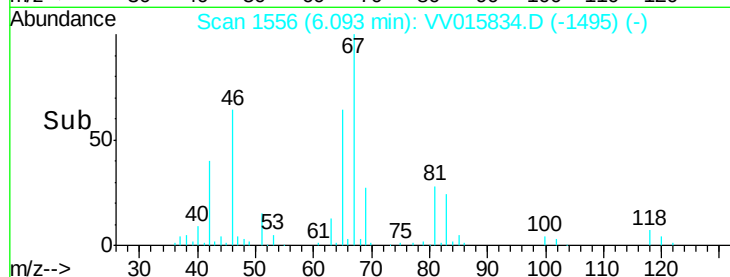
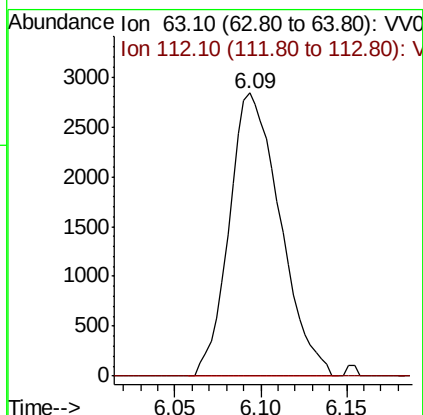
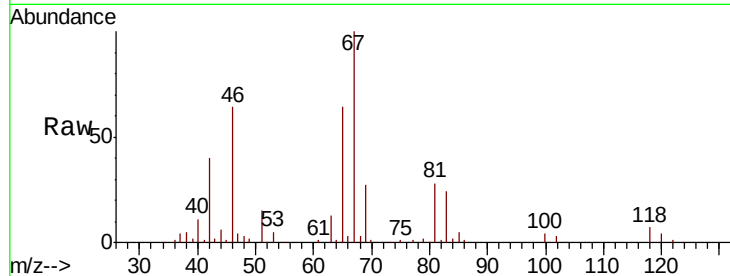




#37
 1,2-Dichloropropane
 Concen: 0.632 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV015834.D
 Acq: 30 Apr 2020 14:05

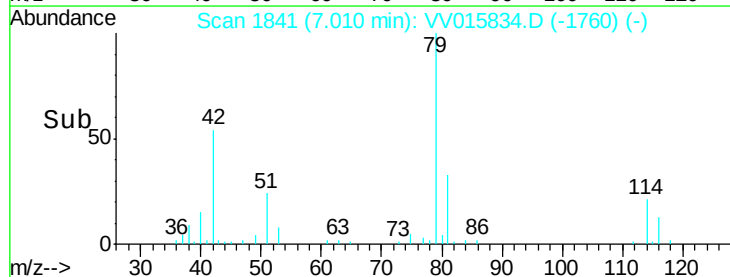
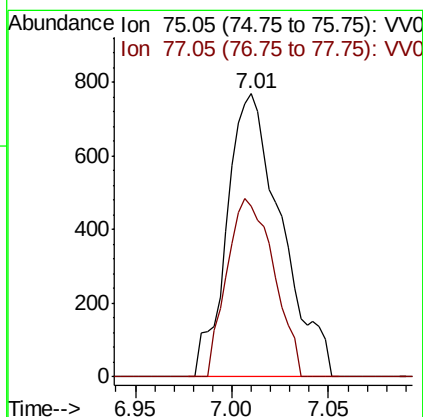
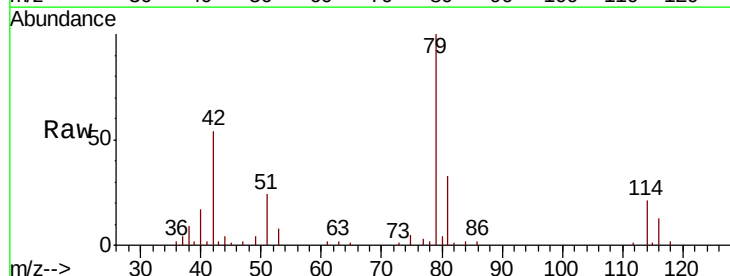
Instrument :
 MSVOA_V
 ClientSampled :

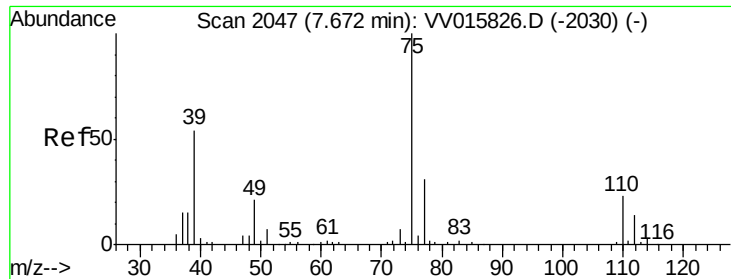
Tot Ion: 63 Resp: 5847
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.117 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV015834.D
 Acq: 30 Apr 2020 14:05

Tgt Ion: 75 Resp: 1502
 Ion Ratio Lower Upper
 75 100
 77 60.4 22.3 41.5#





#44

trans-1,3-Dichloropropene

Concen: 0.077 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV015834.D

Acq: 30 Apr 2020 14:05

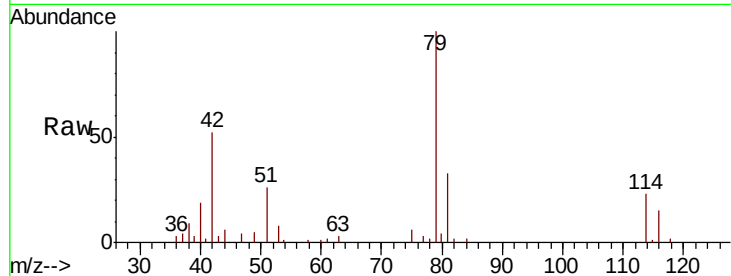
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 75 Resp: 829

Ion Ratio Lower Upper

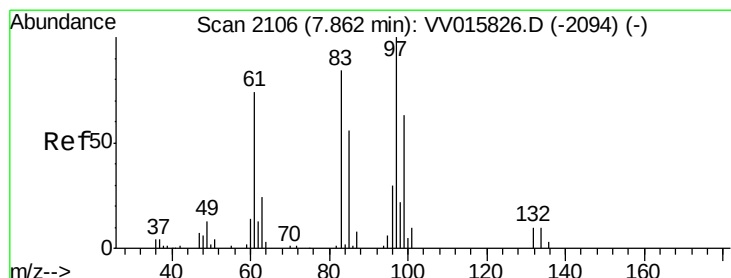
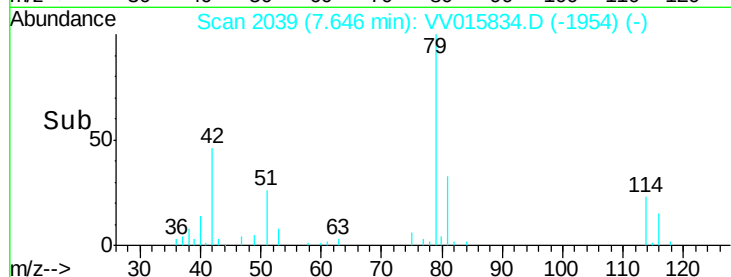
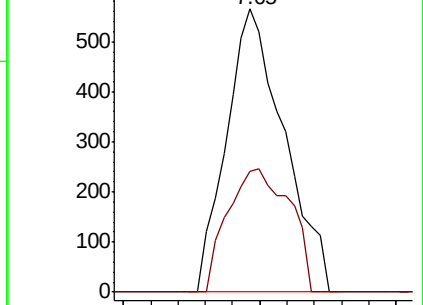
75 100

77 42.5 21.8 40.6#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#45

1,1,2-Trichloroethane

Concen: 0.093 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. 0.13 min

Lab File: VV015834.D

Acq: 30 Apr 2020 14:05

Tgt Ion: 97 Resp: 586

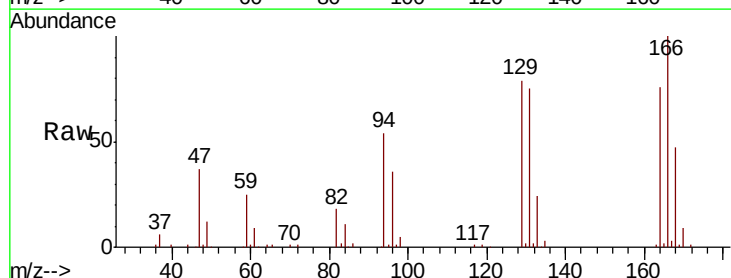
Ion Ratio Lower Upper

97 100

99 0.0 45.4 84.4#

83 150.0 61.3 113.9#

85 38.9 38.4 71.4

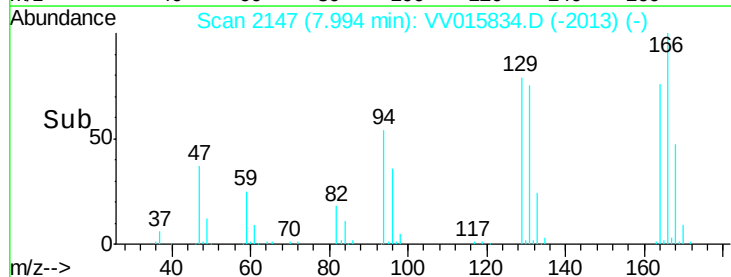
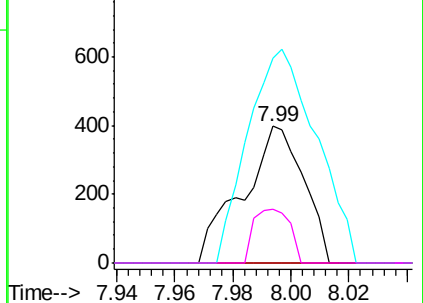


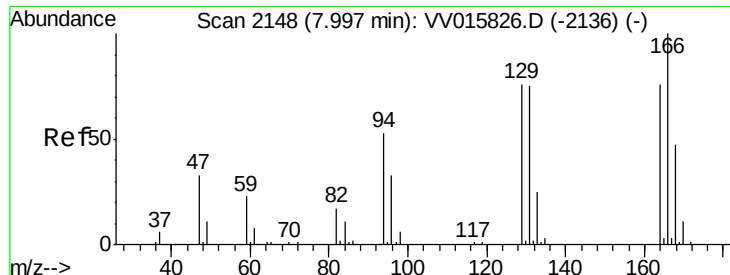
Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0





#47

Tetrachloroethene

Concen: 6.108 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV015834.D

Acq: 30 Apr 2020 14:05

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:164 Resp: 44180

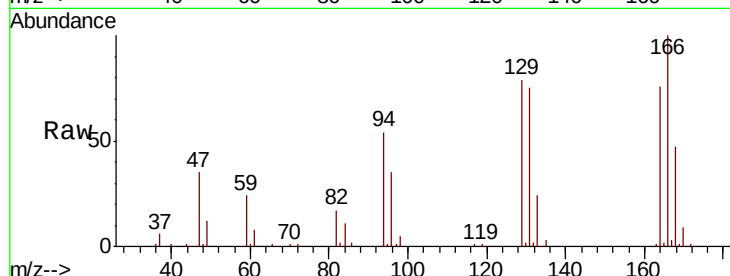
Ion Ratio Lower Upper

164 100

129 103.8 66.7 123.9

131 98.4 66.6 123.6

166 131.9 85.3 158.5

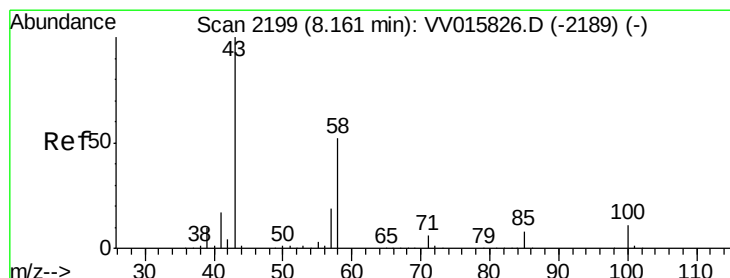
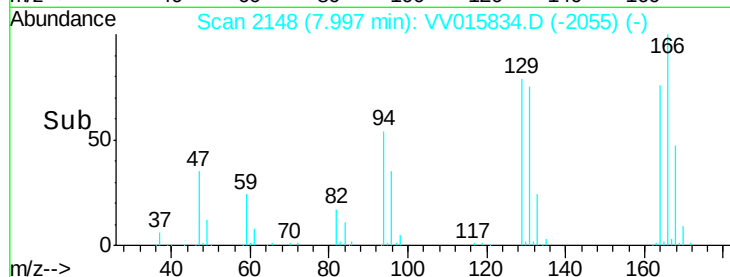
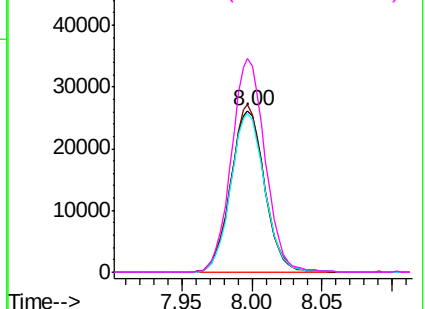


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.614 ug/L

RT: 8.17 min Scan# 2203

Delta R.T. 0.01 min

Lab File: VV015834.D

Acq: 30 Apr 2020 14:05

Tgt Ion: 43 Resp: 6907

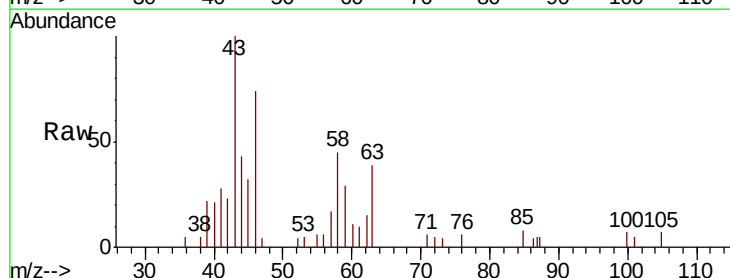
Ion Ratio Lower Upper

43 100

58 42.0 41.1 61.7

57 2.8 15.0 22.4#

100 7.9 9.0 13.4#

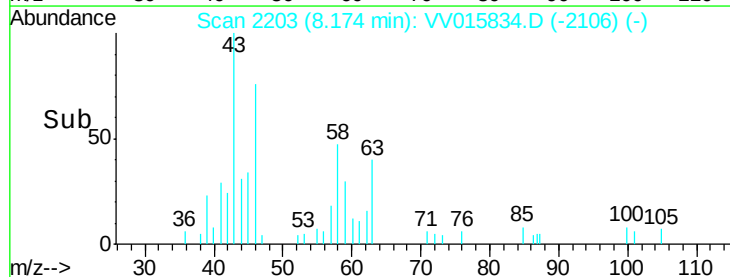
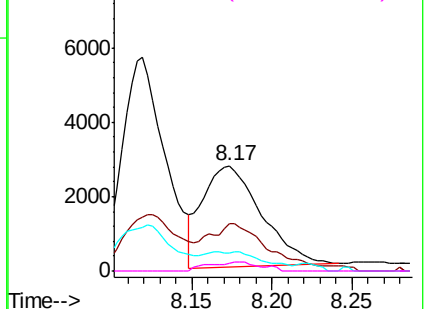


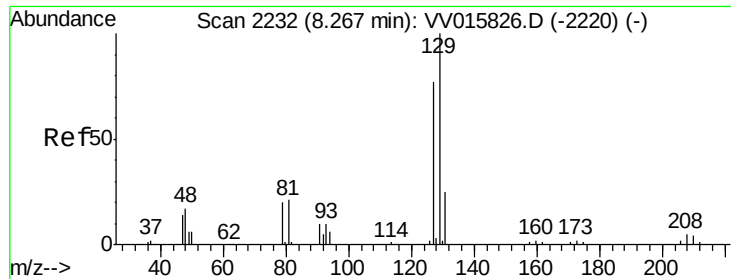
Abundance Ion 43.05 (42.75 to 43.75): VV0

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: 6.681 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV015834.D

Acq: 30 Apr 2020 14:05

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 43576

Ion Ratio Lower Upper

129 100

127 0.0 52.6 97.8#

