

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050620\
 Data File : VV015911.D
 Acq On : 06 May 2020 15:43
 Operator : SY/MD
 Sample : L2509-03
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 07 02:04:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050520WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 07 02:01:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	155984	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	151070	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	72508	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	44013	4.59	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.80%
7) Chloroethane-d5	1.58	69	40279	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.40%
11) 1,1-Dichloroethene-d2	2.12	63	68027	3.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.40%
20) 2-Butanone-d5	3.93	46	124722	50.15	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.30%
24) Chloroform-d	4.38	84	90193	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.06	65	53455	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	5.08	84	181809	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
36) 1,2-Dichloropropane-d6	6.10	67	57554	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.60%
41) Toluene-d8	7.34	98	165371	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
43) trans-1,3-Dichloropropene-	7.65	79	19971	4.40	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.00%
46) 2-Hexanone-d5	8.11	63	95877	47.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.48%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	39488	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
64) 1,2-Dichlorobenzene-d4	11.65	152	61412	5.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

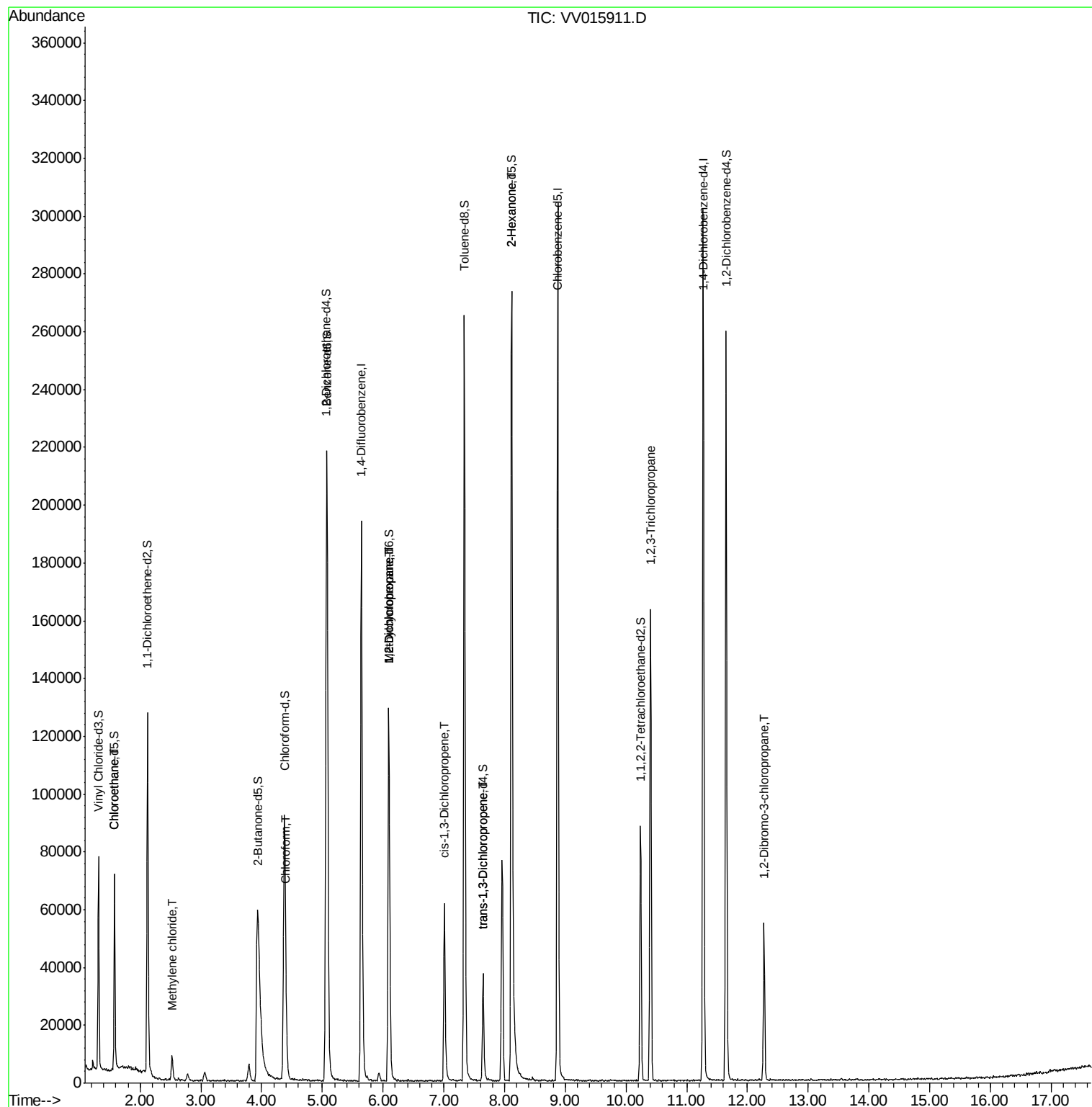
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.59	64	1228	0.169	ug/L #	79
16) Methylene chloride	2.52	84	3001	0.244	ug/L	87
25) Chloroform	4.41	83	6653	0.326	ug/L	94
35) Methylcyclohexane	6.10	83	14307	0.812	ug/L #	17
37) 1,2-Dichloropropane	6.09	63	6955	0.703	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	1896	0.136	ug/L #	63
44) trans-1,3-Dichloropropene	7.64	75	1131	0.096	ug/L #	70
48) 2-Hexanone	8.11	43	14161	3.211	ug/L #	73
59) 1,2,3-Trichloropropane	10.41	75	1712	0.282	ug/L #	52
66) 1,2-Dibromo-3-chloropropan	12.27	75	1885	1.462	ug/L #	15

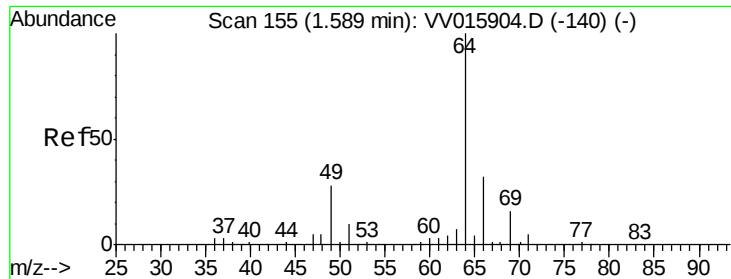
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#8

Chloroethane

Concen: 0.169 ug/L

RT: 1.59 min Scan# 154

Delta R.T. -0.00 min

Lab File: VV015911.D

Acq: 06 May 2020 15:43

Instrument :

MSVOA_V

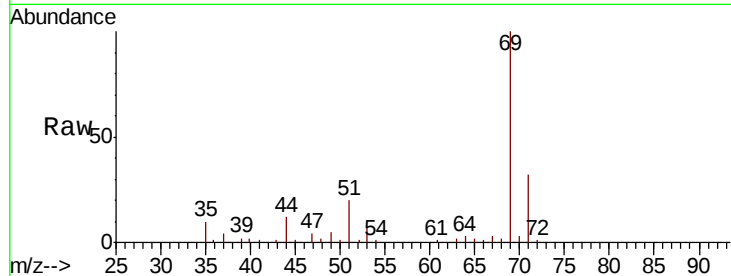
ClientSampleId :

Tot Ion: 64 Resp: 1228

Ion Ratio Lower Upper

64 100

66 21.9 23.6 43.8#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

800

600

400

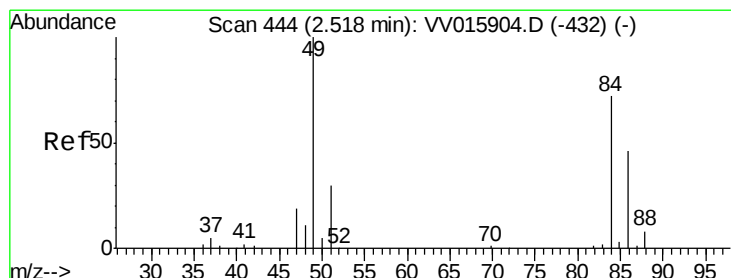
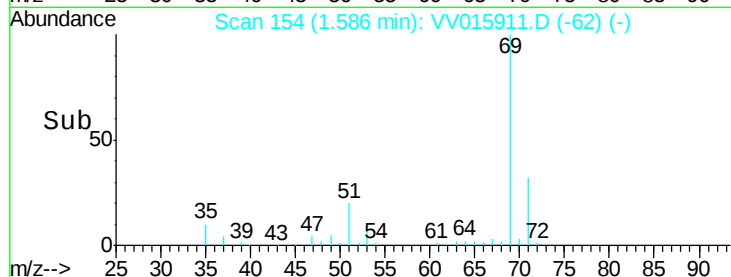
200

0

1.50 1.55 1.60

1.59

Time-->



#16

Methylene chloride

Concen: 0.244 ug/L

RT: 2.52 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV015911.D

Acq: 06 May 2020 15:43

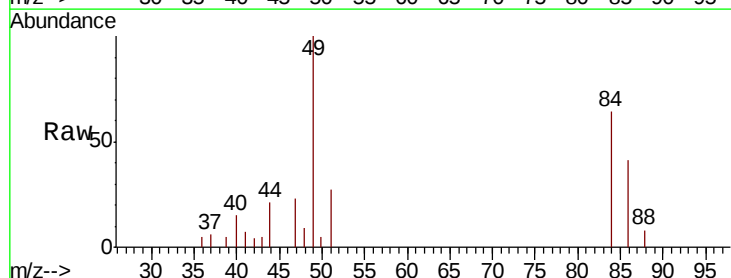
Tgt Ion: 84 Resp: 3001

Ion Ratio Lower Upper

84 100

86 63.5 45.6 84.8

49 156.0 93.6 173.8



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

3000

2000

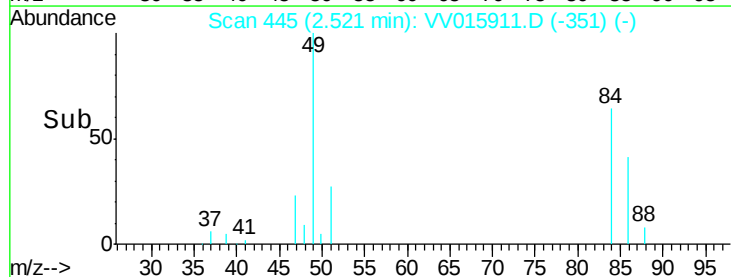
1000

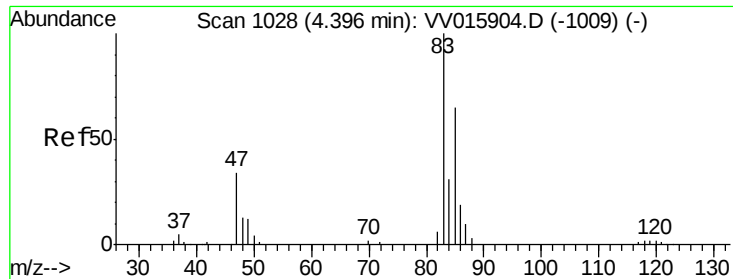
0

2.50 2.55

2.52

Time-->

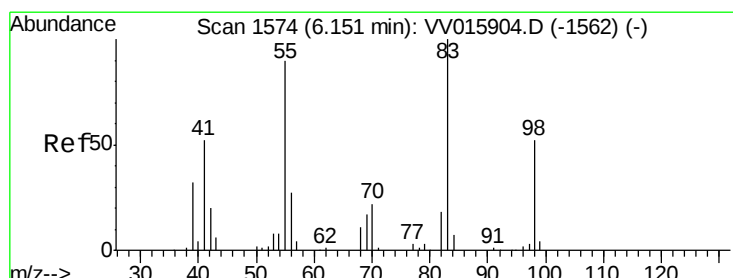
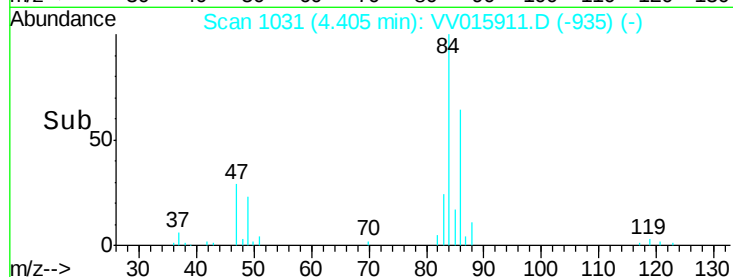
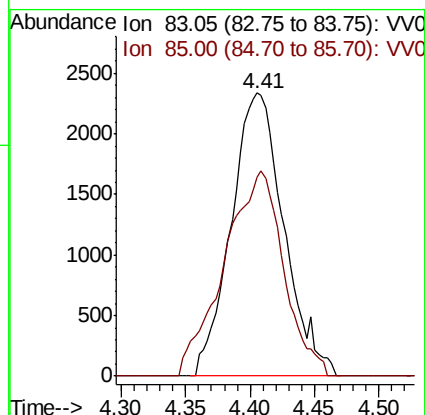
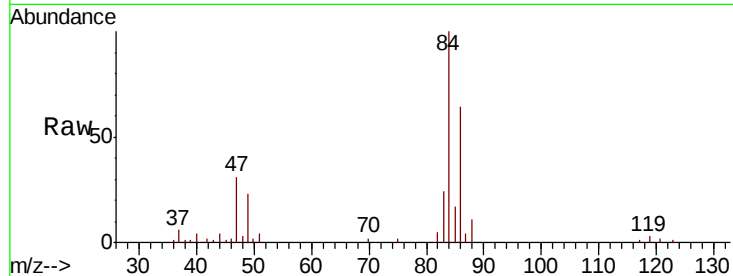




#25
Chloroform
Concen: 0.326 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV015911.D
Acq: 06 May 2020 15:43

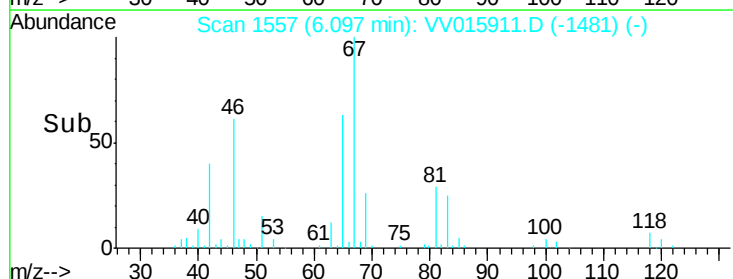
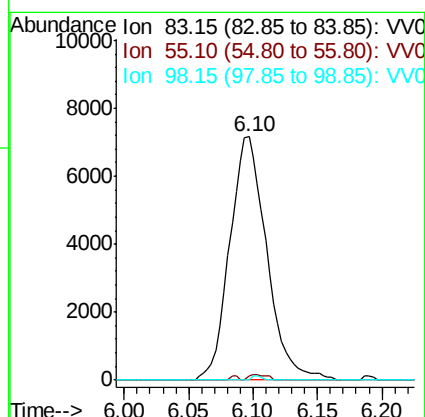
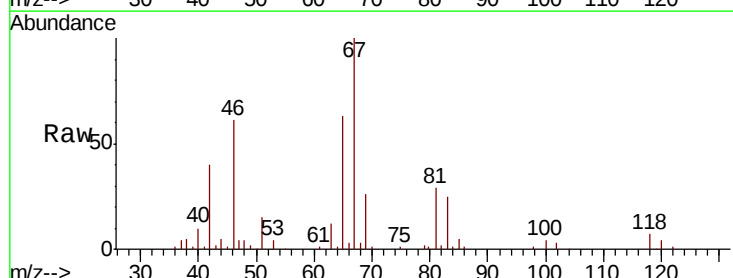
Instrument :
MSVOA_V
ClientSampled :

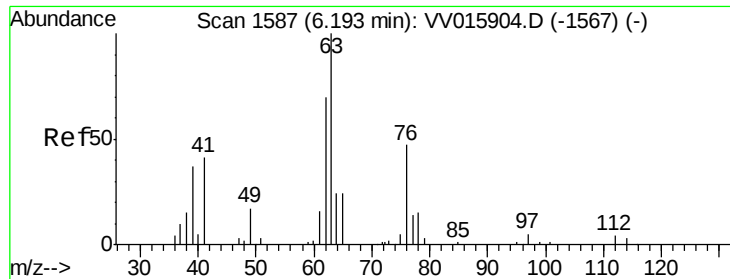
Tot Ion: 83 Resp: 6653
Ion Ratio Lower Upper
83 100
85 70.2 45.7 84.9



#35
Methylcyclohexane
Concen: 0.812 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV015911.D
Acq: 06 May 2020 15:43

Tgt Ion: 83 Resp: 14307
Ion Ratio Lower Upper
83 100
55 1.0 66.2 99.2#
98 0.5 37.9 56.9#

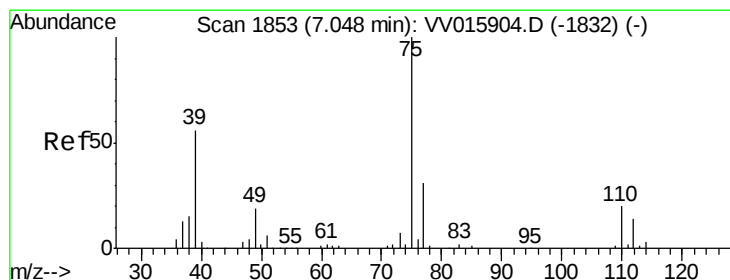
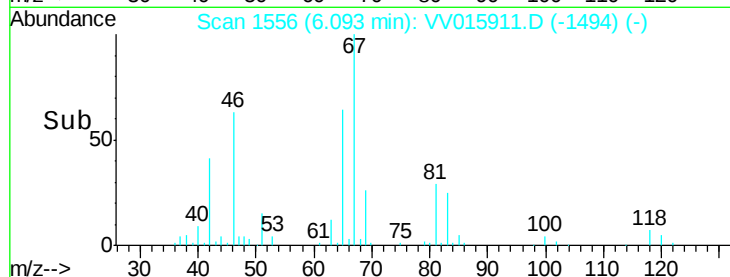
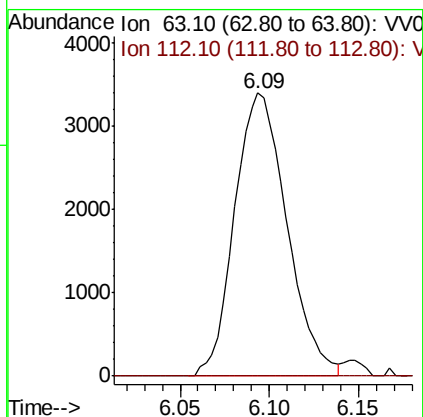
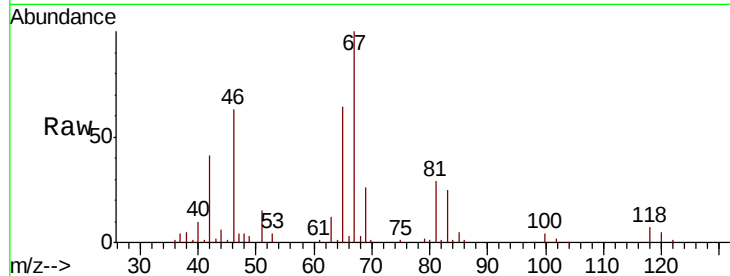




#37
 1,2-Dichloropropane
 Concen: 0.703 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV015911.D
 Acq: 06 May 2020 15:43

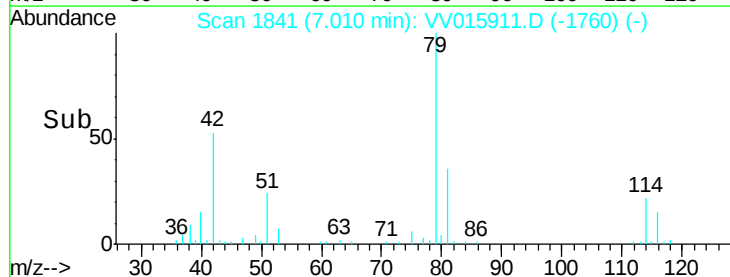
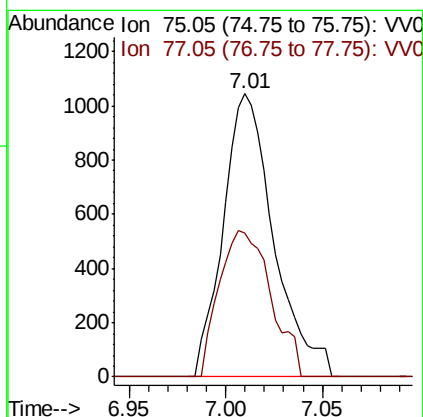
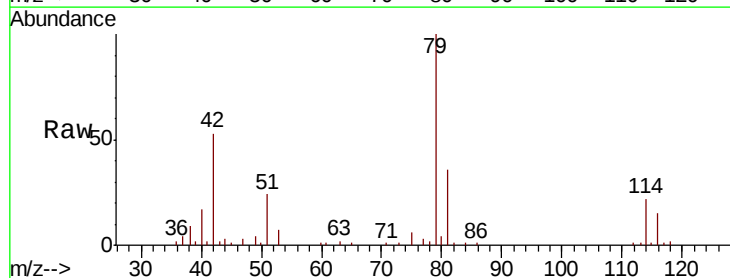
Instrument :
 MSVOA_V
 ClientSampleId :

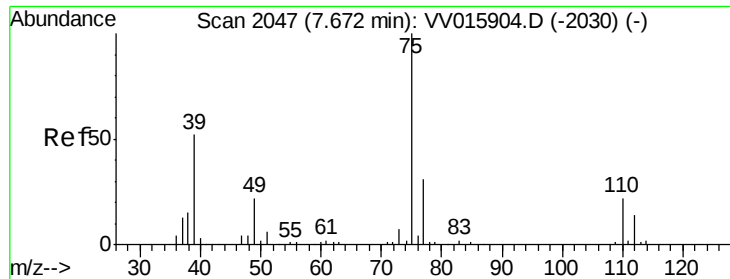
Tot Ion: 63 Resp: 6955
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#39
 cis-1,3-Dichloropropene
 Concen: 0.136 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV015911.D
 Acq: 06 May 2020 15:43

Tgt Ion: 75 Resp: 1896
 Ion Ratio Lower Upper
 75 100
 77 50.7 21.3 39.5#





#44

trans-1,3-Dichloropropene

Concen: 0.096 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV015911.D

Acq: 06 May 2020 15:43

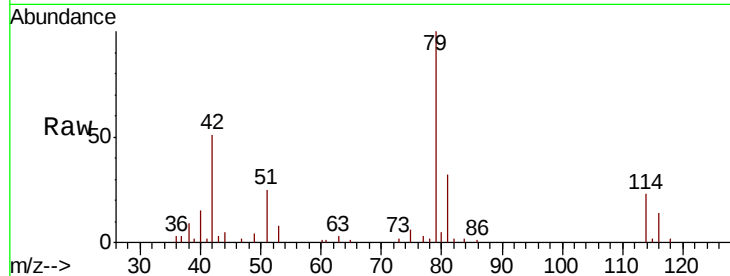
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 1131

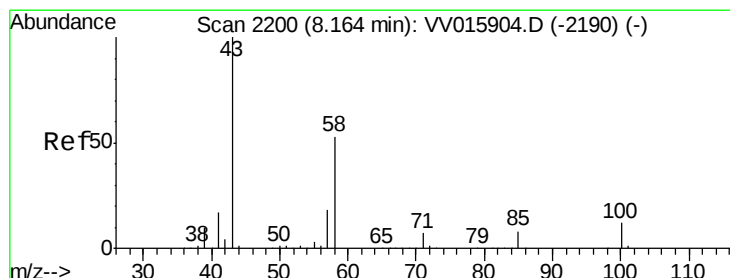
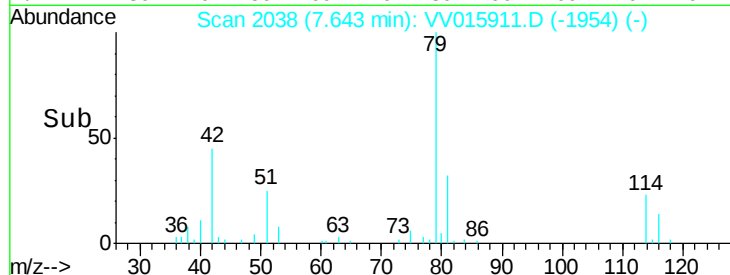
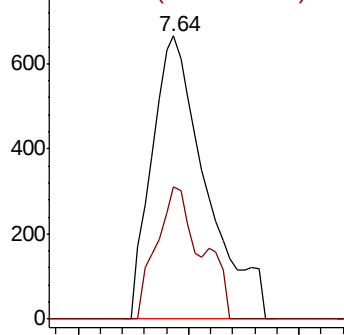
Ion Ratio Lower Upper

75 100

77 46.6 21.3 39.6#



Abundance Ion 75.05 (74.75 to 75.75): VV015904.D (-2030) (-)



#48

2-Hexanone

Concen: 3.211 ug/L

RT: 8.11 min Scan# 2184

Delta R.T. -0.05 min

Lab File: VV015911.D

Acq: 06 May 2020 15:43

Tgt Ion: 43 Resp: 14161

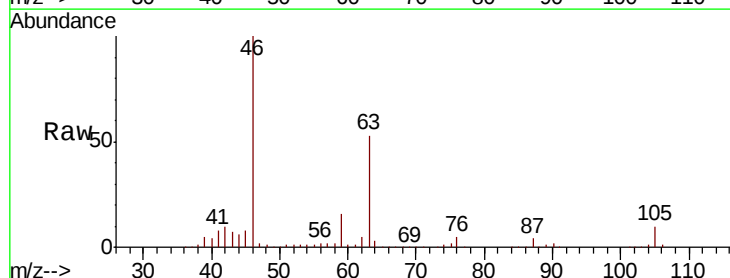
Ion Ratio Lower Upper

43 100

58 27.3 40.8 61.2#

57 20.4 14.7 22.1

100 0.1 9.0 13.6#

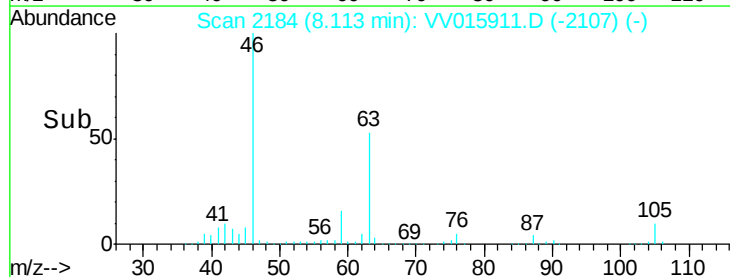
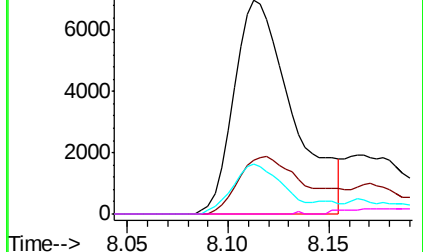


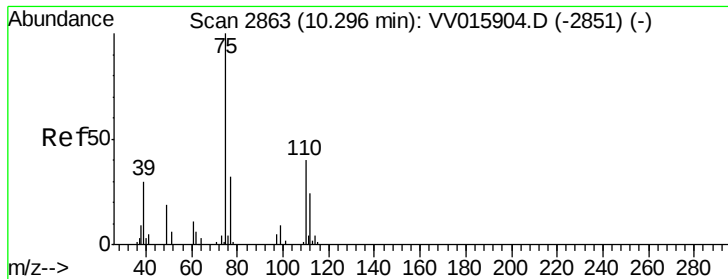
Abundance Ion 43.05 (42.75 to 43.75): VV015904.D (-2190) (-)

Ion 58.05 (57.75 to 58.75): VV015904.D (-2190) (-)

Ion 57.20 (56.90 to 57.90): VV015911.D (-2107) (-)

Ion 100.15 (99.85 to 100.85): VV015911.D (-2107) (-)





#59

1,2,3-Trichloropropane

Concen: 0.282 ug/L

RT: 10.41 min Scan# 2897

Delta R.T. 0.11 min

Lab File: VV015911.D

Acq: 06 May 2020 15:43

Instrument :

MSVOA_V

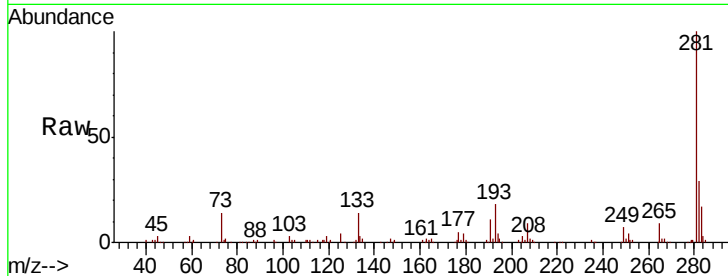
ClientSampleId :

Tot Ion: 75 Resp: 1712

Ion Ratio Lower Upper

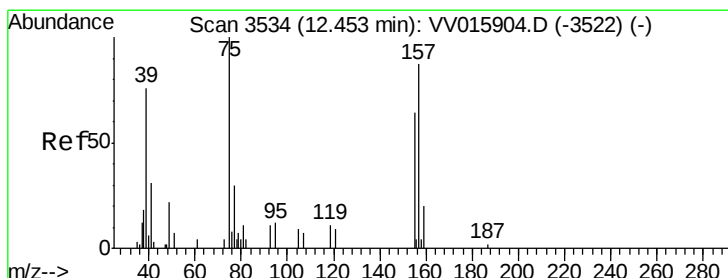
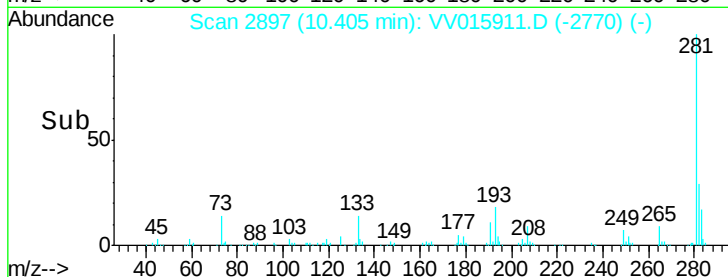
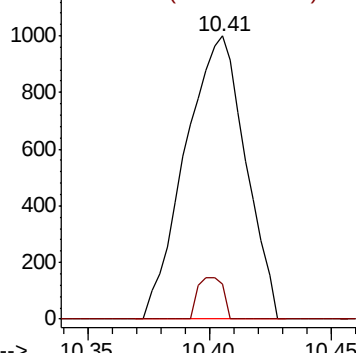
75 100

77 6.0 26.2 39.4#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#66

1,2-Dibromo-3-chloropropane

Concen: 1.462 ug/L

RT: 12.27 min Scan# 3477

Delta R.T. -0.18 min

Lab File: VV015911.D

Acq: 06 May 2020 15:43

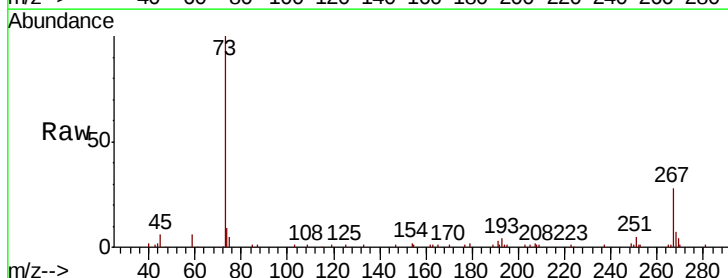
Tgt Ion: 75 Resp: 1885

Ion Ratio Lower Upper

75 100

155 18.2 58.2 87.4#

157 0.0 79.4 119.2#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

