

Data File : VV009477.D
Acq On : 04 Mar 2019 17:43
Operator : SY/MD
Sample : K1660-09RE
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CWK01

Quant Time: Mar 05 04:12:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR030419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Mar 05 04:03:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	87435	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	83454	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	38742	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29719	5.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.00%
7) Chloroethane-d5	1.58	69	25817	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.60%
11) 1,1-Dichloroethene-d2	2.13	63	55184	3.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.40%
20) 2-Butanone-d5	3.96	46	53749	51.59	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.18%
24) Chloroform-d	4.40	84	50854	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
26) 1,2-Dichloroethane-d4	5.09	65	26670	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.00%
32) Benzene-d6	5.10	84	104542	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
36) 1,2-Dichloropropane-d6	6.12	67	31707	5.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.00%
41) Toluene-d8	7.36	98	106325	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
43) trans-1,3-Dichloropropene-	7.67	79	12582	4.85	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.00%
46) 2-Hexanone-d5	8.14	63	48809	56.40	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.80%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	23386	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	36948	5.32	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.40%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	5066	0.832 ug/L	97
5) Vinyl chloride	1.32	62	786	0.117 ug/L #	1
8) Chloroethane	1.32	64	880	0.195 ug/L	90
12) 1,1-Dichloroethene	2.14	96	1284	0.202 ug/L #	1
13) Acetone	2.32	43	2692	2.951 ug/L	79
14) Carbon disulfide	2.32	76	427586	20.606 ug/L	99
19) 1,1-Dichloroethane	3.24	63	926	0.093 ug/L #	93
22) cis-1,2-Dichloroethene	3.96	96	44373	7.147 ug/L	96
34) Trichloroethene	5.96	95	6205	0.969 ug/L	90
35) Methylcyclohexane	6.12	83	7744	0.758 ug/L #	21
37) 1,2-Dichloropropane	6.12	63	3725	0.676 ug/L #	88
39) cis-1,3-Dichloropropene	7.03	75	1086	0.126 ug/L	86
42) Toluene	7.43	91	52085	2.011 ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	613	0.090 ug/L	84
53) m,p-xylene	9.18	106	1525	0.135 ug/L	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV030419\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Mar 05 04:03:59 2019
Response via : Initial Calibration

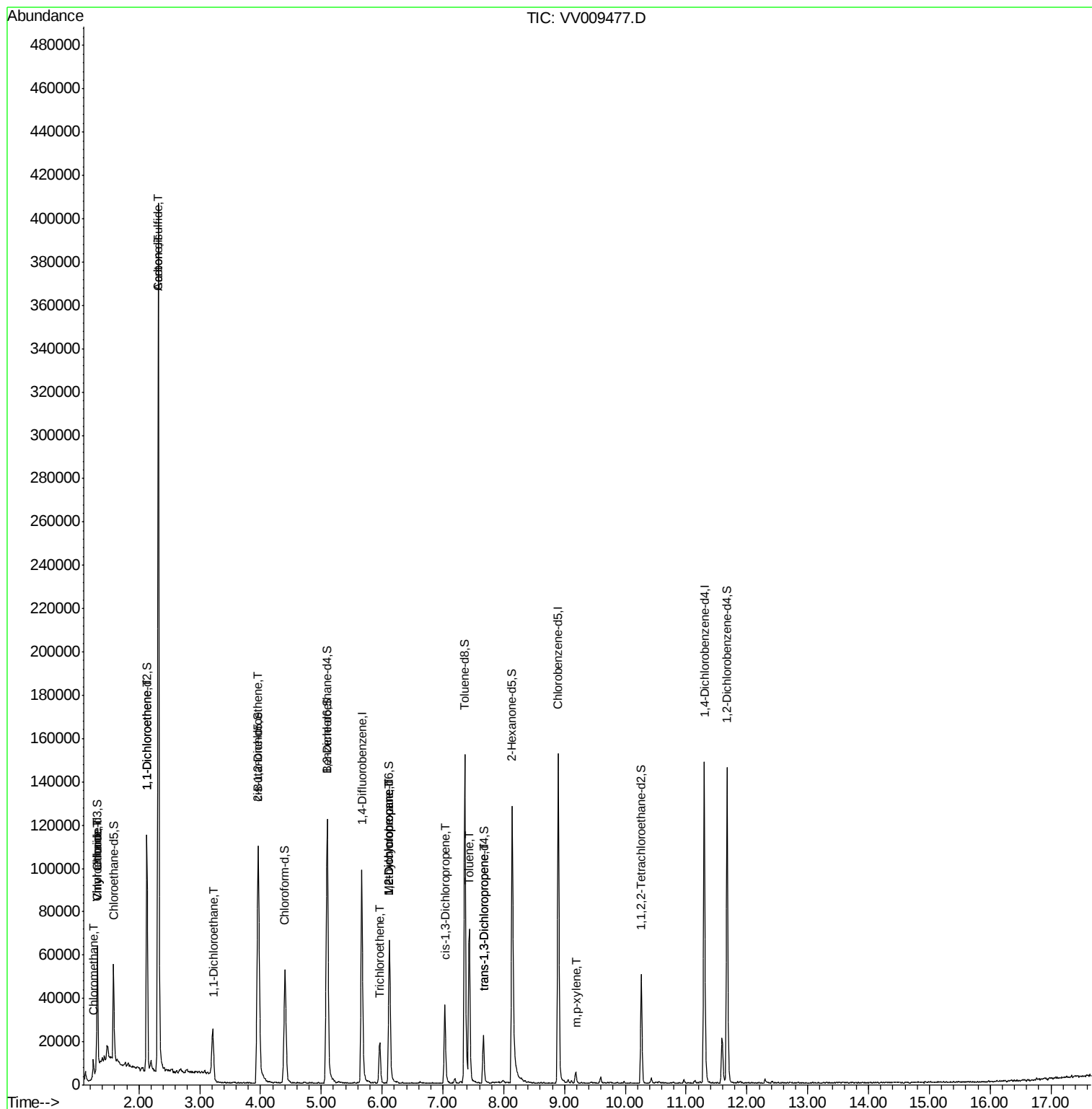
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

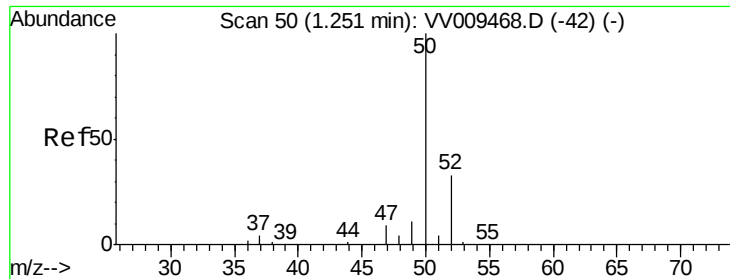
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#3

Chloromethane

Concen: 0.832 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV009477.D

Acq: 04 Mar 2019 17:43

Instrument :

MSVOA_V

ClientSampled :

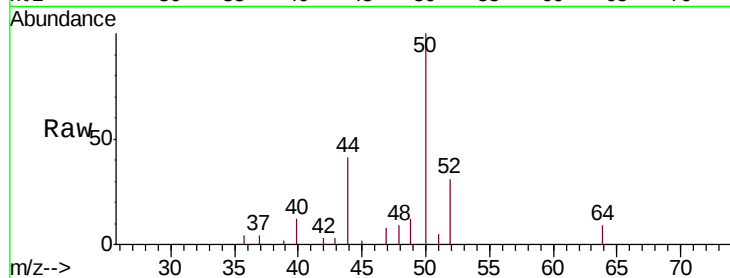
CWK01

Tgt Ion: 50 Resp: 5066

Ion Ratio Lower Upper

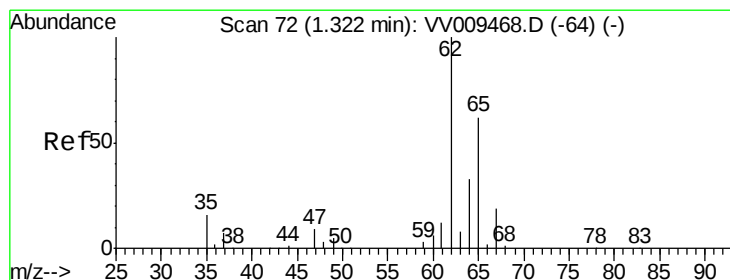
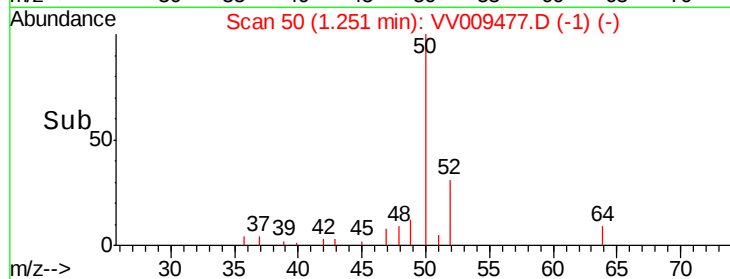
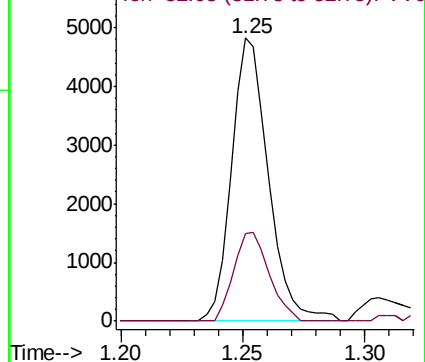
50 100

52 30.9 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#5

Vinyl chloride

Concen: 0.117 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009477.D

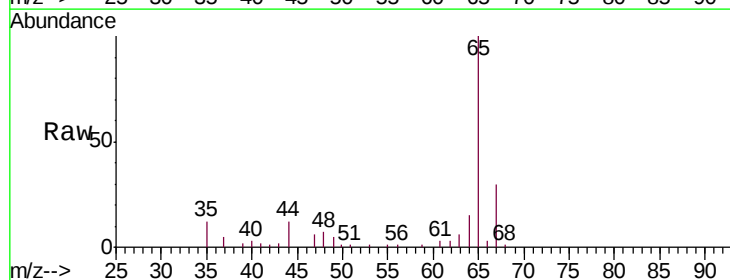
Acq: 04 Mar 2019 17:43

Tgt Ion: 62 Resp: 786

Ion Ratio Lower Upper

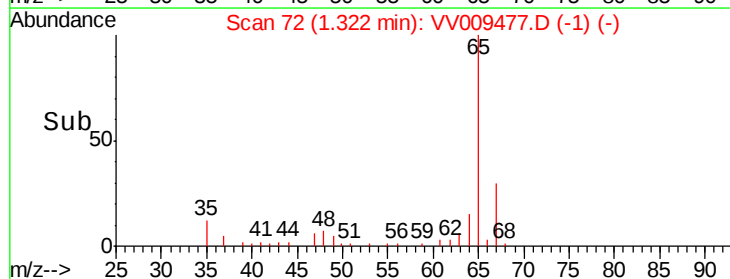
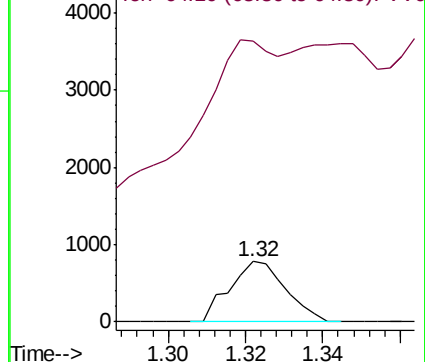
62 100

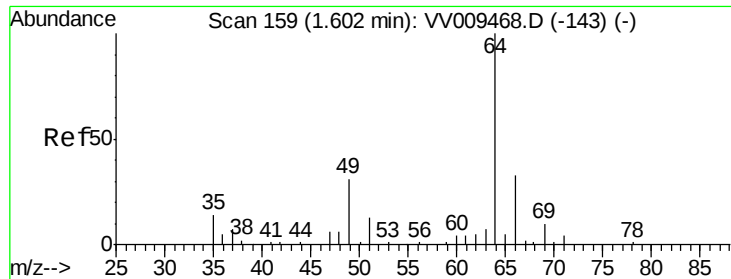
64 467.0 22.7 42.3#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0





#8

Chloroethane

Concen: 0.195 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.28 min

Lab File: VV009477.D

Acq: 04 Mar 2019 17:43

Instrument :

MSVOA_V

ClientSampleId :

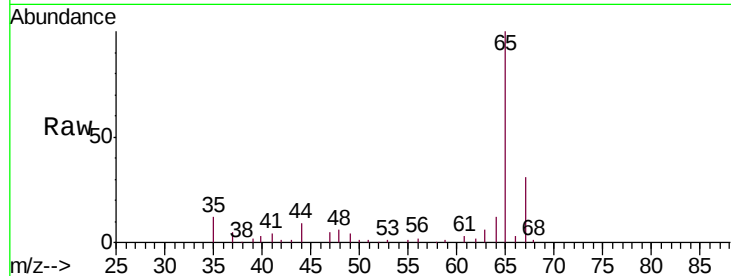
CWK01

Tgt Ion: 64 Resp: 880

Ion Ratio Lower Upper

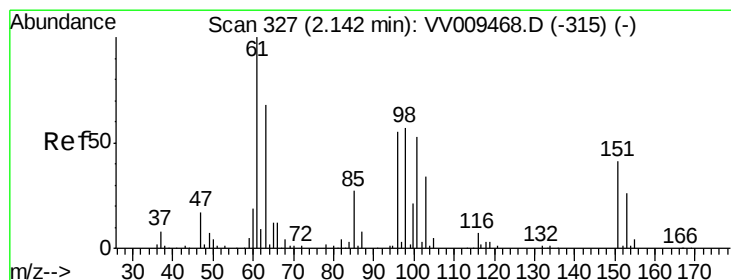
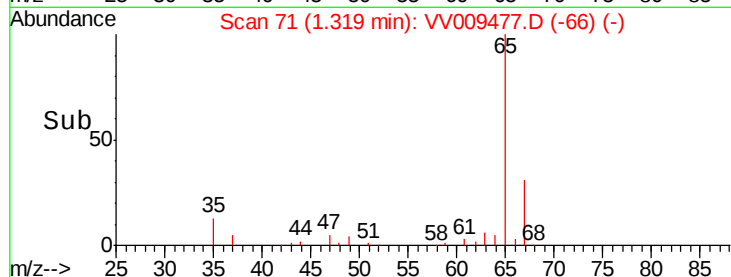
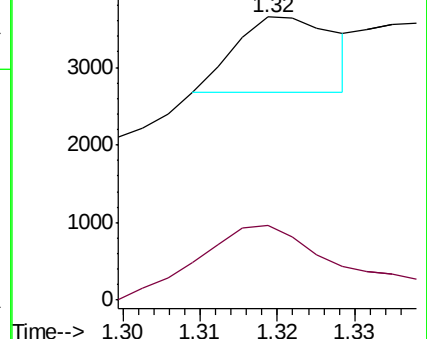
64 100

66 26.3 22.4 41.6



Abundance Ion 64.10 (63.80 to 64.80): VV009468.D (-143) (-)

Ion 66.05 (65.75 to 66.75): VV009468.D (-143) (-)



#12

1,1-Dichloroethene

Concen: 0.202 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV009477.D

Acq: 04 Mar 2019 17:43

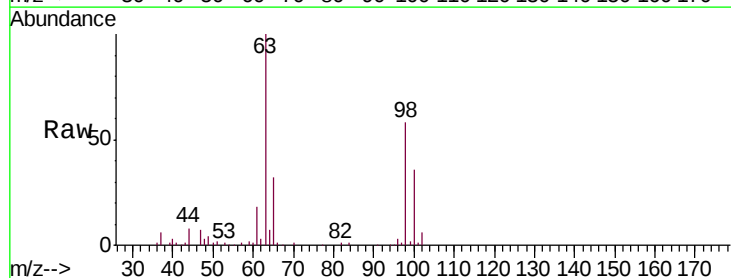
Tgt Ion: 96 Resp: 1284

Ion Ratio Lower Upper

96 100

61 638.5 127.1 236.0#

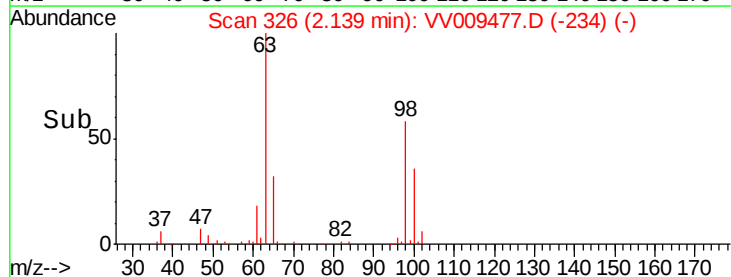
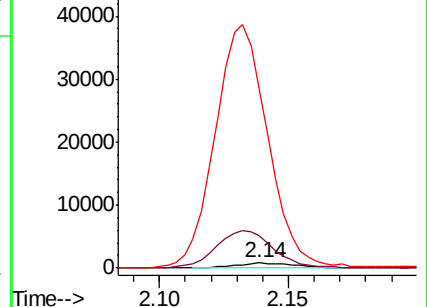
63 3577.9 88.8 164.8#

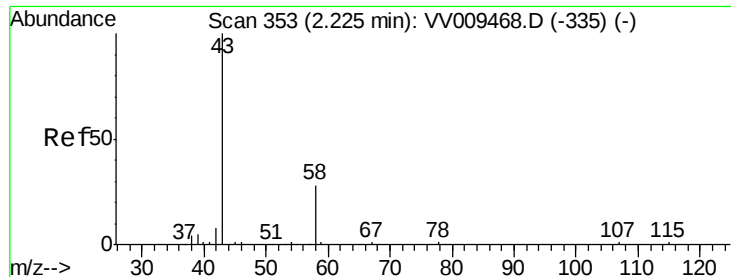


Abundance Ion 96.00 (95.70 to 96.70): VV009468.D (-315) (-)

Ion 61.05 (60.75 to 61.75): VV009468.D (-315) (-)

Ion 63.00 (62.70 to 63.70): VV009468.D (-315) (-)





#13

Acetone

Concen: 2.951 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.10 min

Lab File: VV009477.D

Acq: 04 Mar 2019 17:43

Instrument :

MSVOA_V

ClientSampleId :

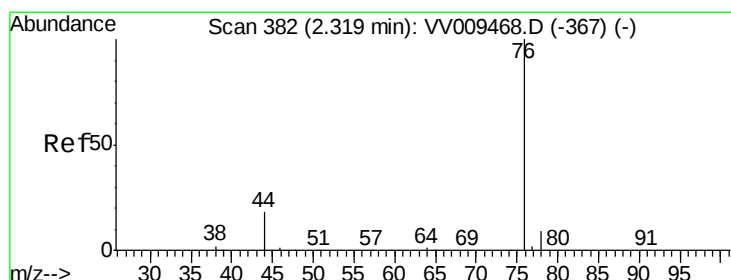
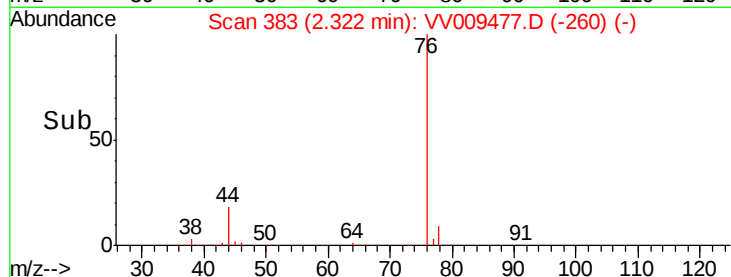
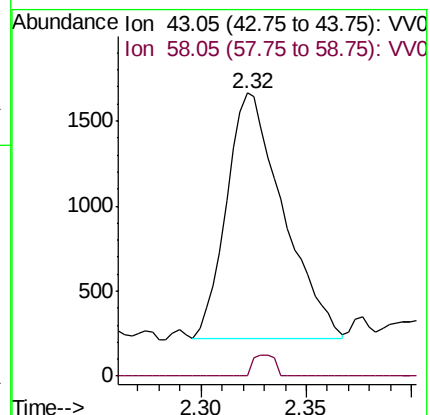
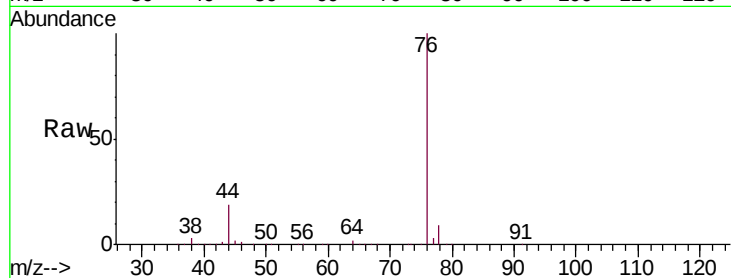
CWK01

Tgt Ion: 43 Resp: 2692

Ion Ratio Lower Upper

43 100

58 3.3 0.0 23.0



#14

Carbon disulfide

Concen: 20.606 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV009477.D

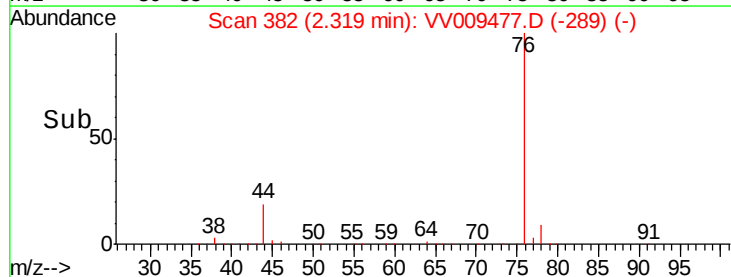
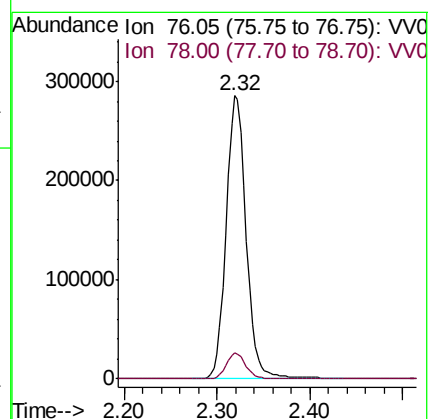
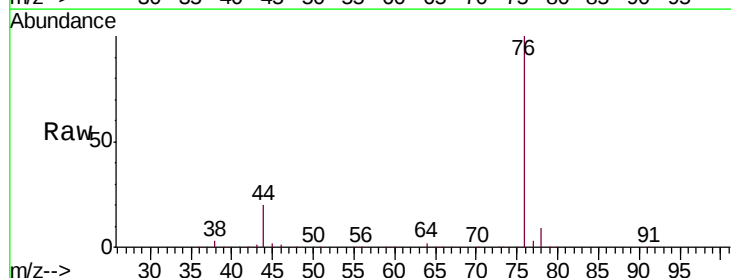
Acq: 04 Mar 2019 17:43

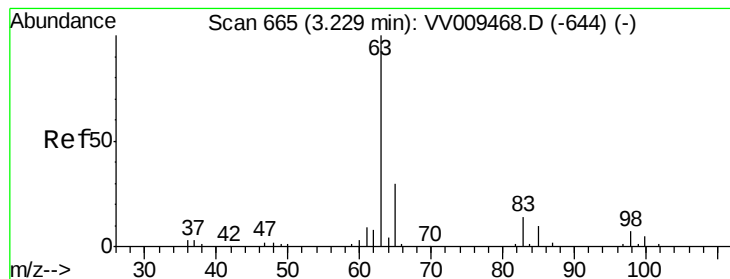
Tgt Ion: 76 Resp: 427586

Ion Ratio Lower Upper

76 100

78 9.1 7.7 11.5





#19

1,1-Dichloroethane

Concen: 0.093 ug/L

RT: 3.24 min Scan# 667

Delta R.T. 0.01 min

Lab File: VV009477.D

Acq: 04 Mar 2019 17:43

Instrument :

MSVOA_V

ClientSampleId :

CWK01

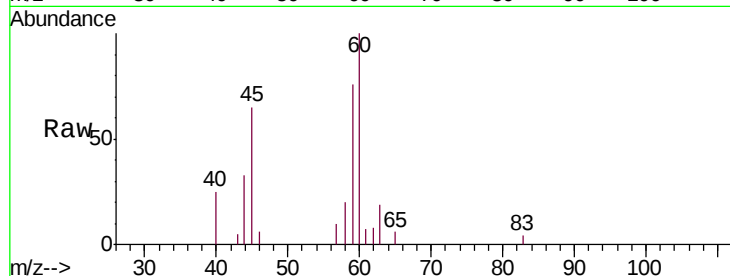
Tgt Ion: 63 Resp: 926

Ion Ratio Lower Upper

63 100

65 30.0 21.3 39.5

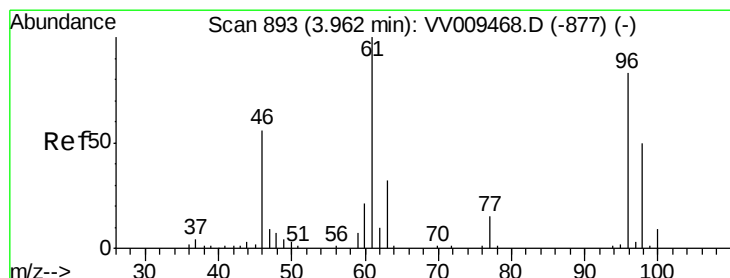
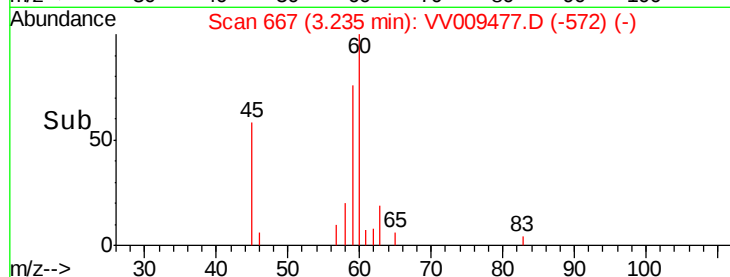
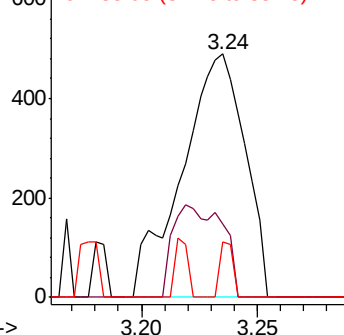
83 22.7 9.9 18.5#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#22

cis-1,2-Dichloroethene

Concen: 7.147 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV009477.D

Acq: 04 Mar 2019 17:43

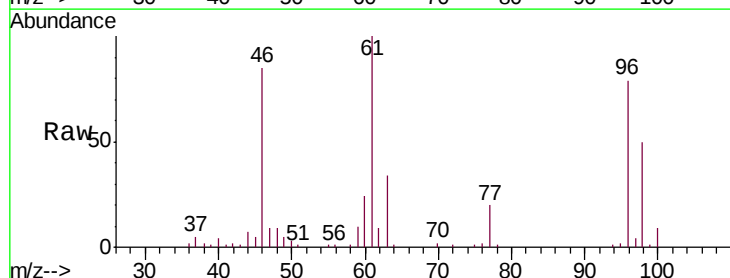
Tgt Ion: 96 Resp: 44373

Ion Ratio Lower Upper

96 100

61 126.1 84.8 157.4

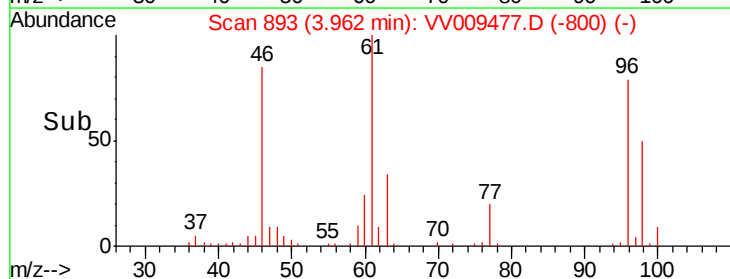
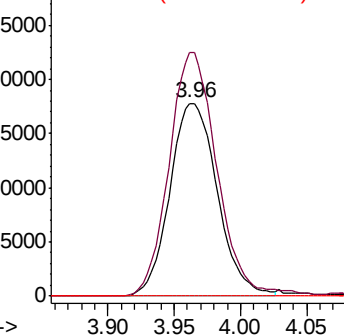
68 0.0 0.0 0.0

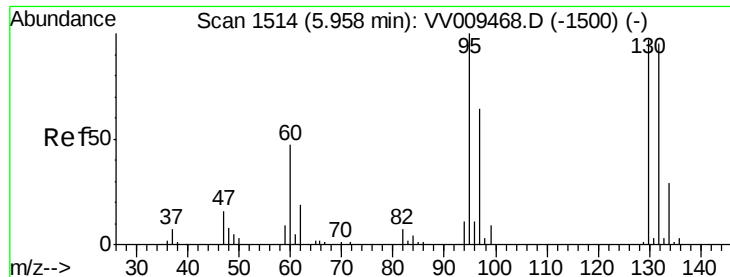


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0





#34

Trichloroethene

Concen: 0.969 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV009477.D

Acq: 04 Mar 2019 17:43

Instrument :

MSVOA_V

ClientSampleId :

CWK01

Tgt Ion: 95 Resp: 6205

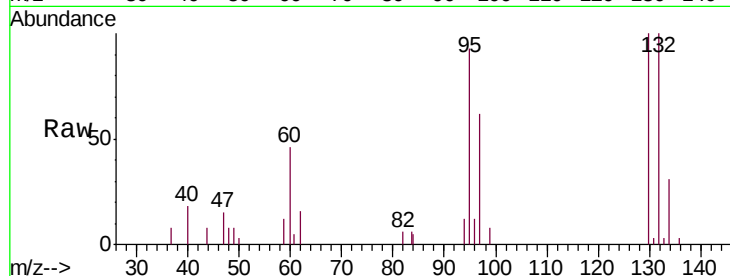
Ion Ratio Lower Upper

95 100

97 67.1 44.4 82.5

132 107.5 66.4 123.4

130 107.4 68.1 126.5

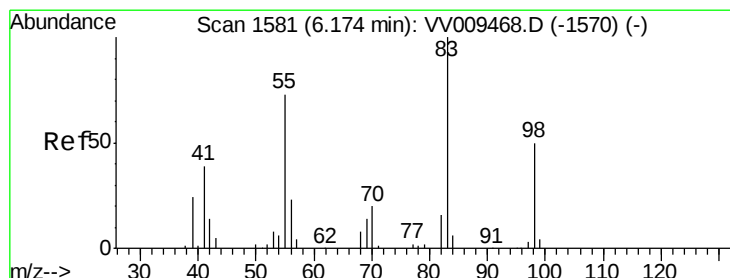
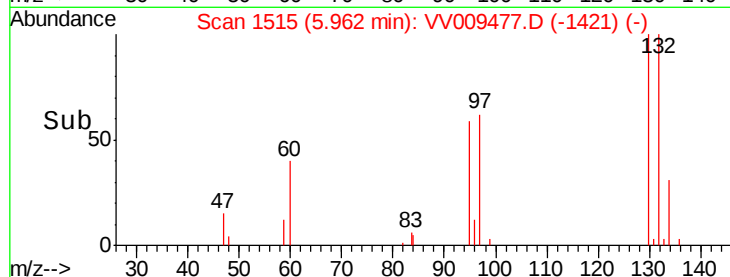
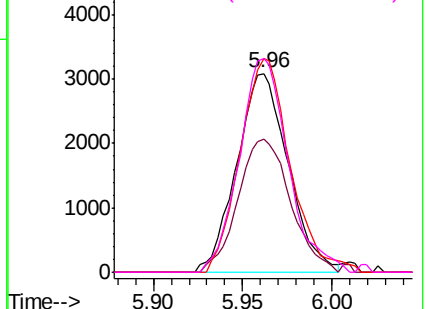


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.758 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.05 min

Lab File: VV009477.D

Acq: 04 Mar 2019 17:43

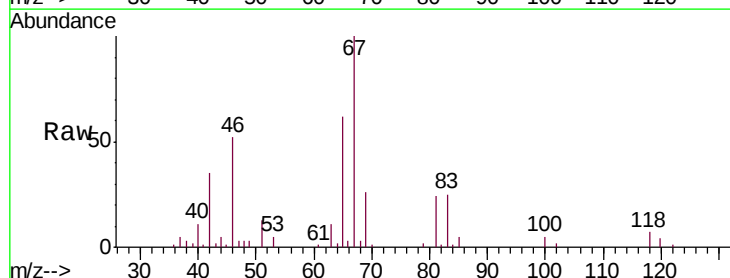
Tgt Ion: 83 Resp: 7744

Ion Ratio Lower Upper

83 100

55 0.2 57.4 86.2#

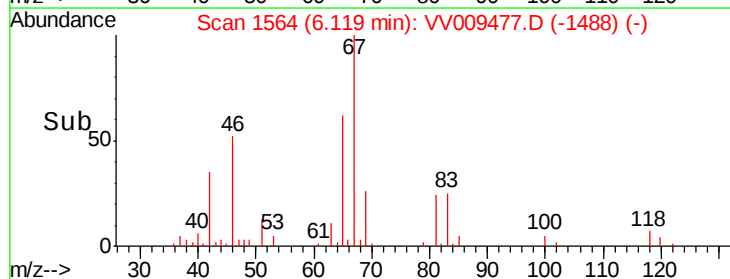
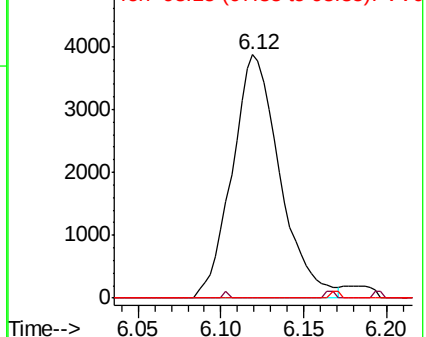
98 2.0 38.9 58.3#

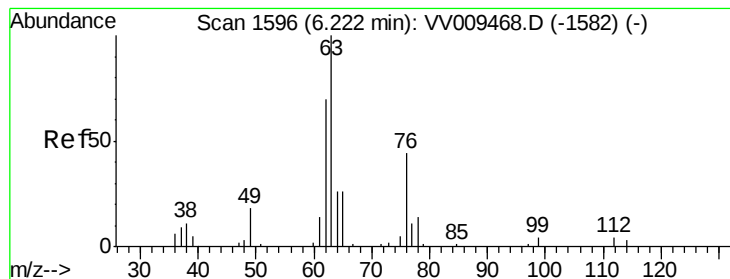


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.676 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.10 min

Lab File: VV009477.D

Acq: 04 Mar 2019 17:43

Instrument :

MSVOA_V

ClientSampleId :

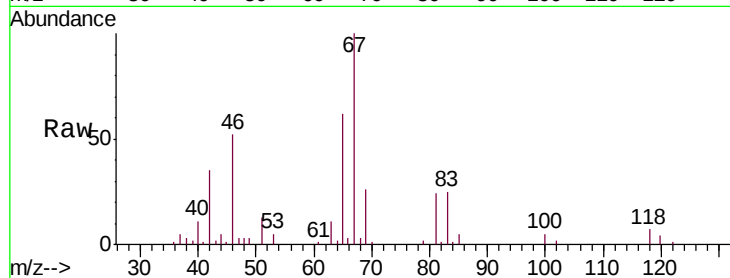
CWK01

Tgt Ion: 63 Resp: 3725

Ion Ratio Lower Upper

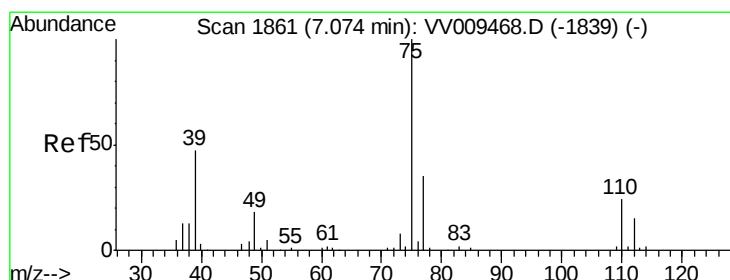
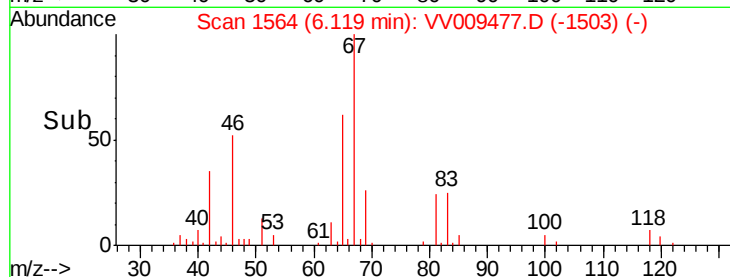
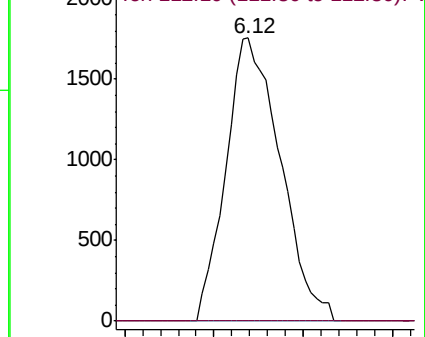
63 100

112 0.0 3.3 4.9#



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: 0.126 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV009477.D

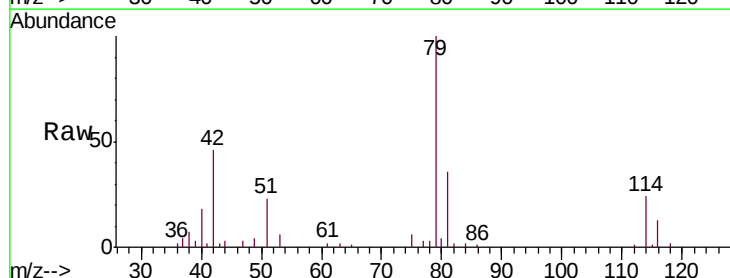
Acq: 04 Mar 2019 17:43

Tgt Ion: 75 Resp: 1086

Ion Ratio Lower Upper

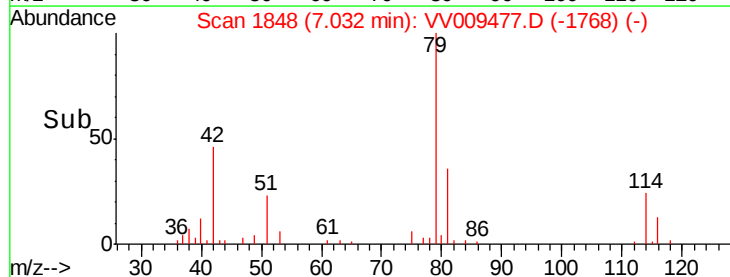
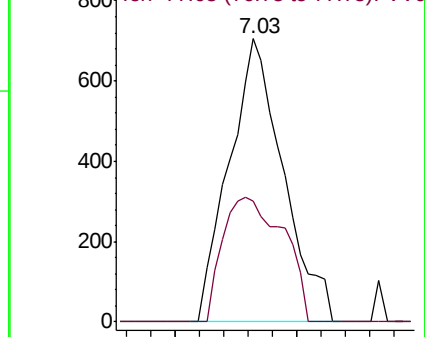
75 100

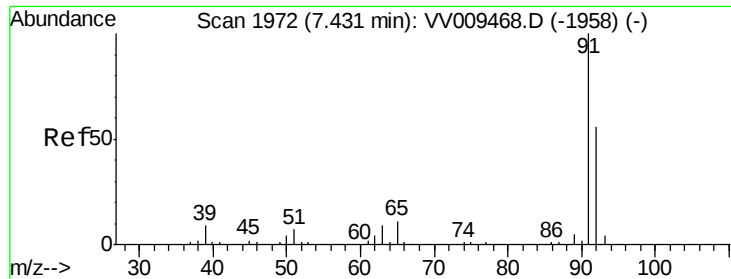
77 42.7 24.1 44.8



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#42

Toluene

Concen: 2.011 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV009477.D

Acq: 04 Mar 2019 17:43

Instrument :

MSVOA_V

ClientSampleId :

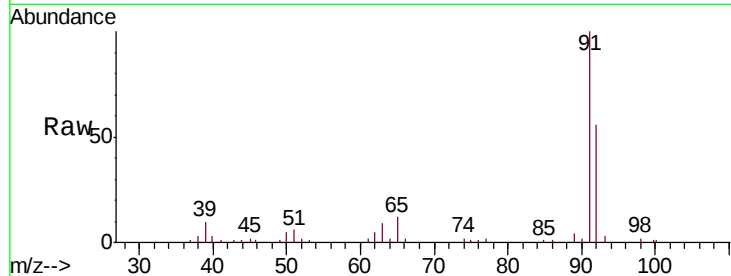
CWK01

Tgt Ion: 91 Resp: 52085

Ion Ratio Lower Upper

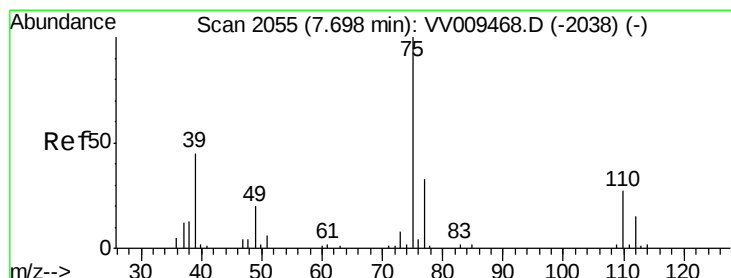
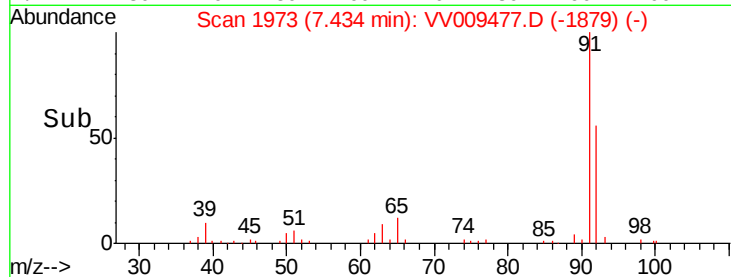
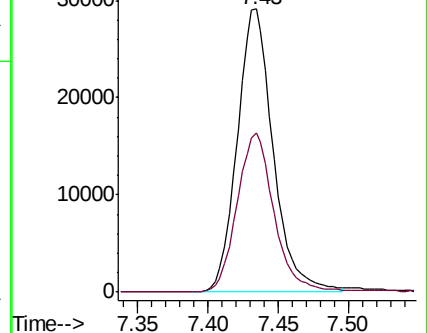
91 100

92 56.4 39.1 72.5



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.090 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV009477.D

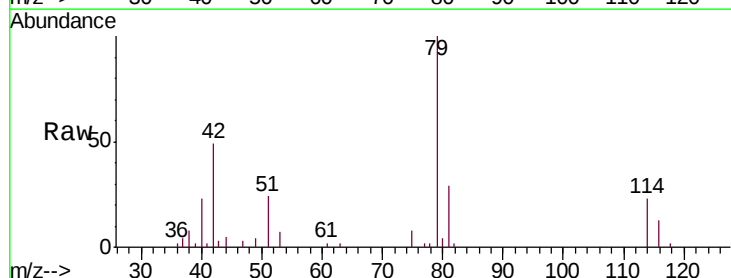
Acq: 04 Mar 2019 17:43

Tgt Ion: 75 Resp: 613

Ion Ratio Lower Upper

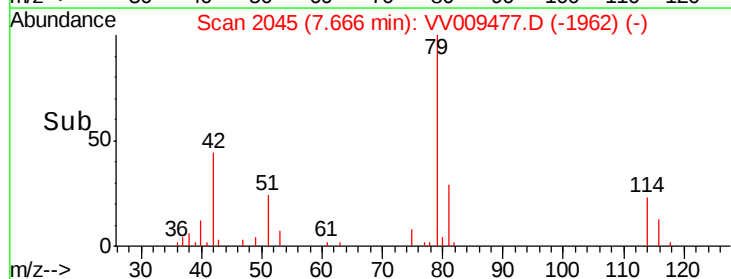
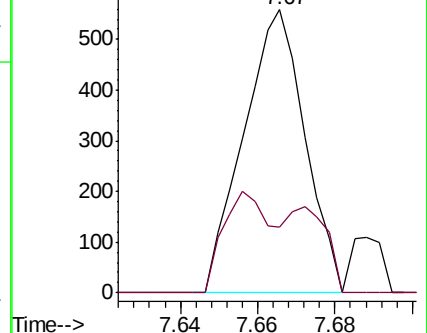
75 100

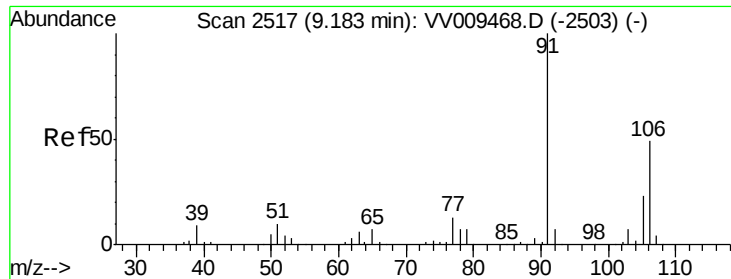
77 23.3 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#53

m,p-xylene

Concen: 0.135 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV009477.D

Acq: 04 Mar 2019 17:43

Instrument :

MSVOA_V

ClientSampleId :

CWK01

Tgt Ion:106 Resp: 1525

Ion Ratio Lower Upper

106 100

91 199.1 143.2 266.0

