

Data File : VV009431.D
Acq On : 28 Feb 2019 18:39
Operator : SY/MD
Sample : K1599-10
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CWJZ0

Quant Time: Mar 01 03:55:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR022819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 01 03:49:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	95682	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	90544	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	42107	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	25839	5.17	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.40%
7) Chloroethane-d5	1.58	69	23596	5.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.60%
11) 1,1-Dichloroethene-d2	2.13	63	50771	4.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.40%
20) 2-Butanone-d5	3.96	46	53313	56.25	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.50%
24) Chloroform-d	4.40	84	51899	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.00%
26) 1,2-Dichloroethane-d4	5.09	65	27575	5.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.20%
32) Benzene-d6	5.10	84	110530	5.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.80%
36) 1,2-Dichloropropane-d6	6.12	67	32438	5.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.80%
41) Toluene-d8	7.36	98	111134	5.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.00%
43) trans-1,3-Dichloropropene-	7.67	79	13236	5.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.20%
46) 2-Hexanone-d5	8.14	63	48455	57.64	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.28%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	25086	5.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	37656	5.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.20%

Target Compounds

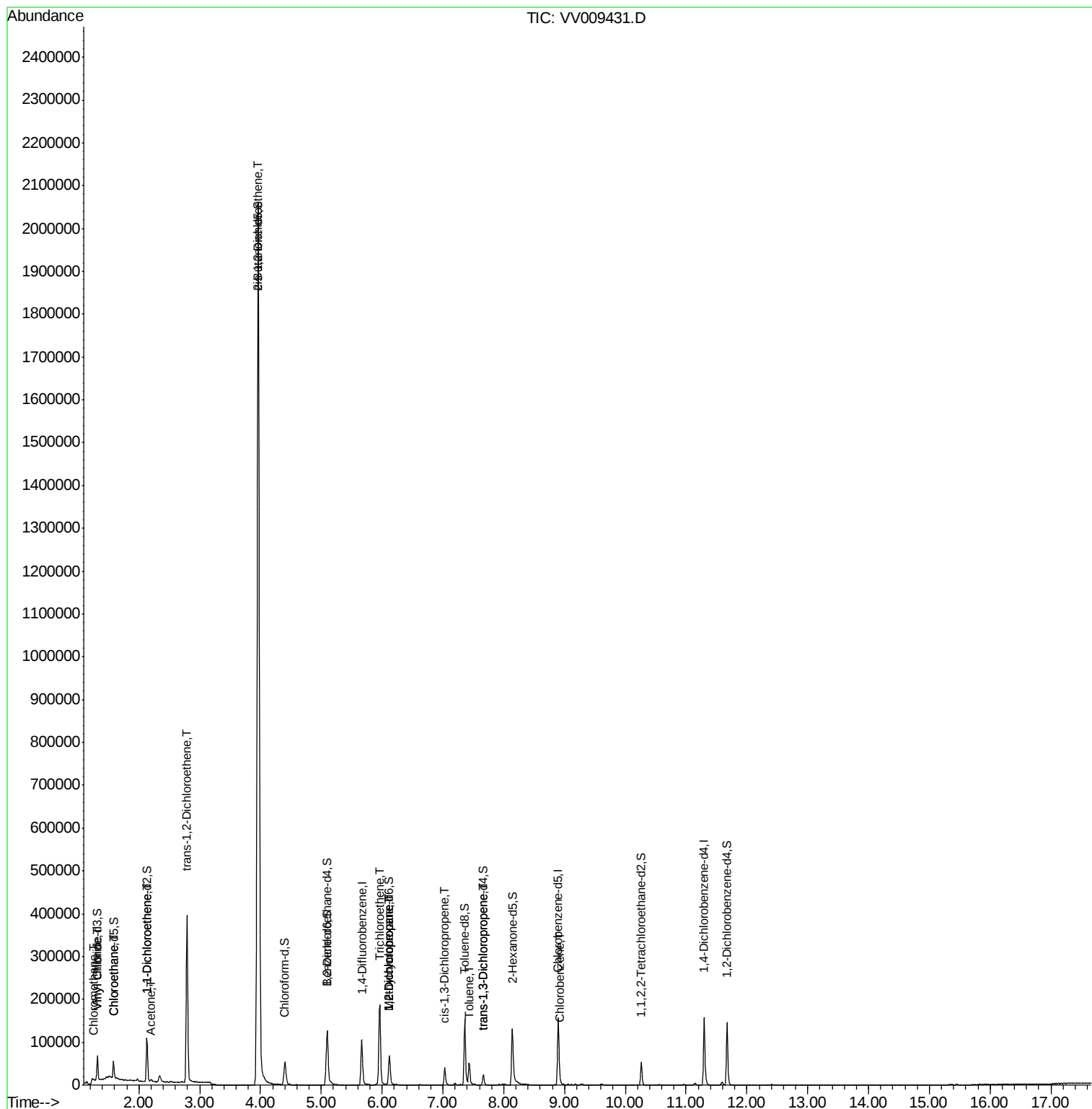
					Qvalue
3) Chloromethane	1.25	50	1216	0.195 ug/L	93
5) Vinyl chloride	1.32	62	9496	1.392 ug/L #	1
8) Chloroethane	1.58	64	605	0.133 ug/L #	53
12) 1,1-Dichloroethene	2.14	96	4095	0.653 ug/L #	1
13) Acetone	2.20	43	3597	3.995 ug/L	87
18) trans-1,2-Dichloroethene	2.79	96	130724	19.252 ug/L	92
22) cis-1,2-Dichloroethene	3.96	96	1119468	176.542 ug/L	91
34) Trichloroethene	5.96	95	64847	9.758 ug/L	98
35) Methylcyclohexane	6.12	83	7772	0.712 ug/L #	20
37) 1,2-Dichloropropane	6.12	63	4033	0.701 ug/L #	91
39) cis-1,3-Dichloropropene	7.03	75	1234	0.136 ug/L #	72
42) Toluene	7.43	91	36814	1.373 ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	747	0.105 ug/L	97
51) Chlorobenzene	8.93	112	3431	0.196 ug/L	96

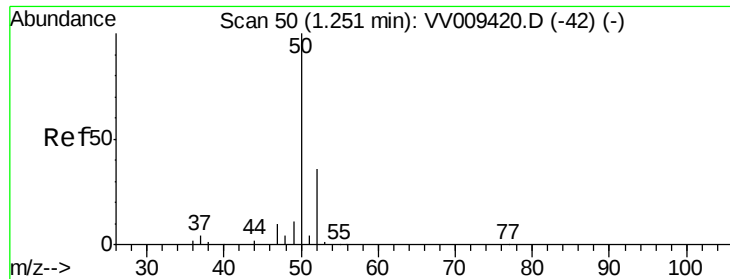
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.195 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV009431.D

Acq: 28 Feb 2019 18:39

Instrument :

MSVOA_V

ClientSampleId :

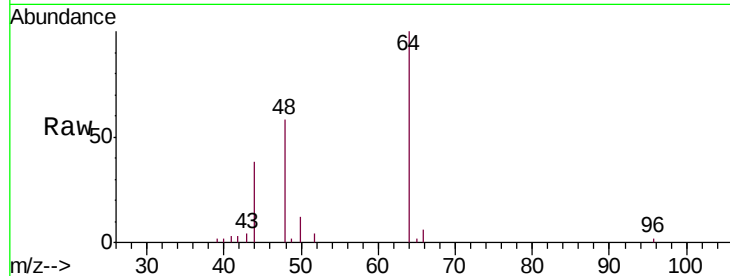
CWJZO

Tgt Ion: 50 Resp: 1216

Ion Ratio Lower Upper

50 100

52 29.8 23.5 43.7



Abundance Ion 50.05 (49.75 to 50.75): VV009420.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV009420.D (-42) (-)

1.25

600

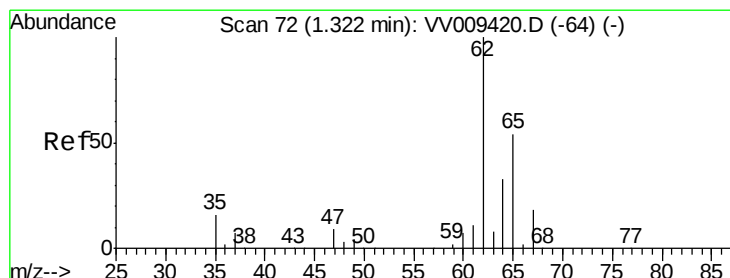
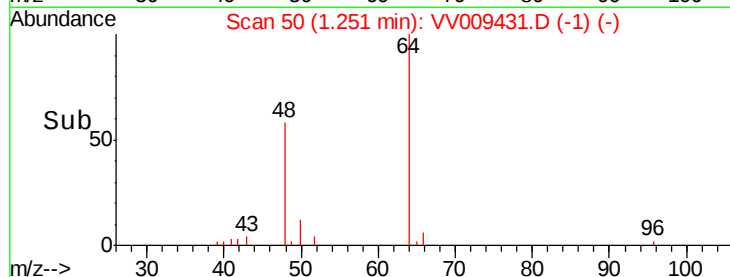
400

200

0

1.20 1.25 1.30

Time-->



#5

Vinyl chloride

Concen: 1.392 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009431.D

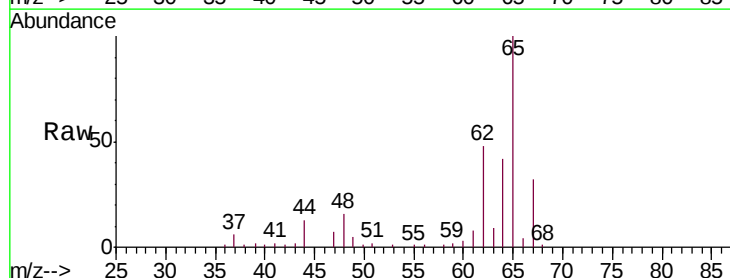
Acq: 28 Feb 2019 18:39

Tgt Ion: 62 Resp: 9496

Ion Ratio Lower Upper

62 100

64 87.7 21.6 40.0#



Abundance Ion 62.00 (61.70 to 62.70): VV009420.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV009420.D (-64) (-)

1.32

10000

8000

6000

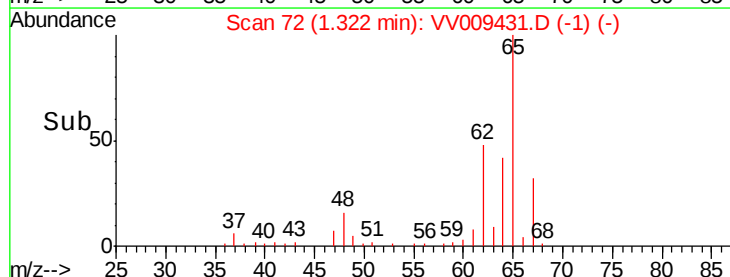
4000

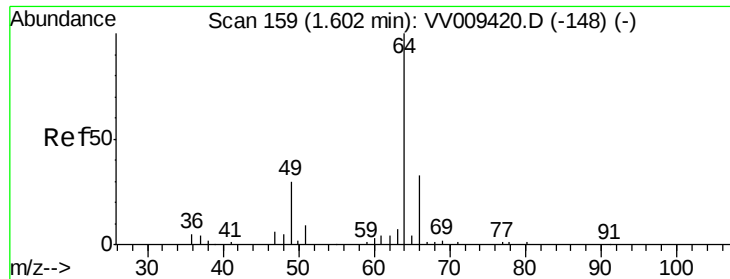
2000

0

1.30 1.35

Time-->





#8

Chloroethane

Concen: 0.133 ug/L

RT: 1.58 min Scan# 153

Delta R.T. -0.02 min

Lab File: VV009431.D

Acq: 28 Feb 2019 18:39

Instrument :

MSVOA_V

ClientSampleId :

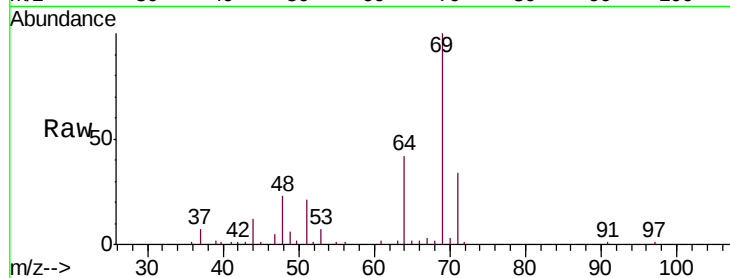
CWJZ0

Tgt Ion: 64 Resp: 605

Ion Ratio Lower Upper

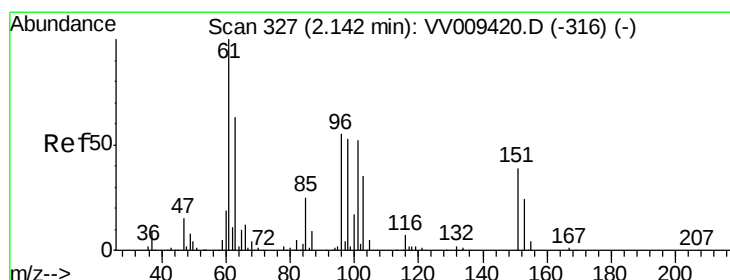
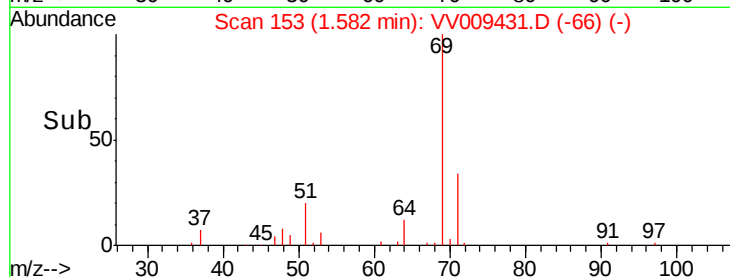
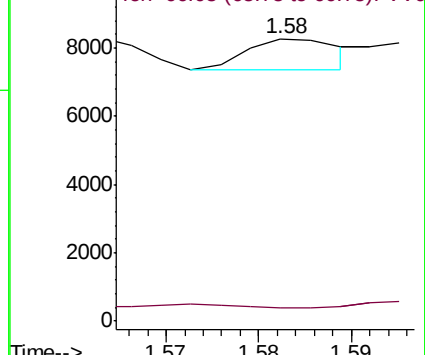
64 100

66 4.8 21.3 39.5#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0



#12

1,1-Dichloroethene

Concen: 0.653 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV009431.D

Acq: 28 Feb 2019 18:39

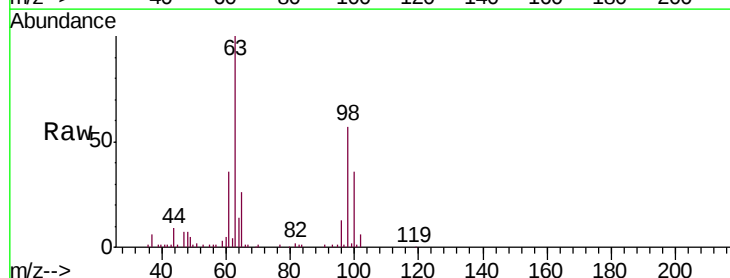
Tgt Ion: 96 Resp: 4095

Ion Ratio Lower Upper

96 100

61 281.6 123.1 228.5#

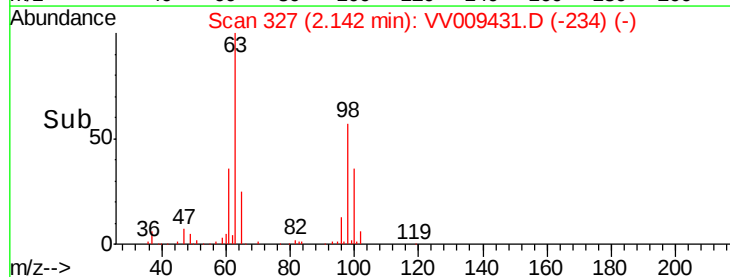
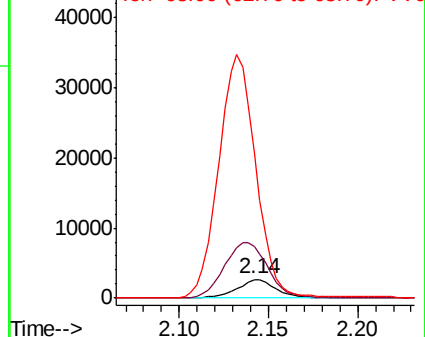
63 787.8 82.9 153.9#

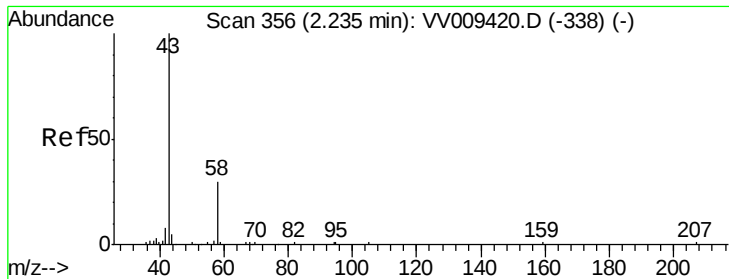


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 3.995 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.03 min

Lab File: VV009431.D

Acq: 28 Feb 2019 18:39

Instrument :

MSVOA_V

ClientSampleId :

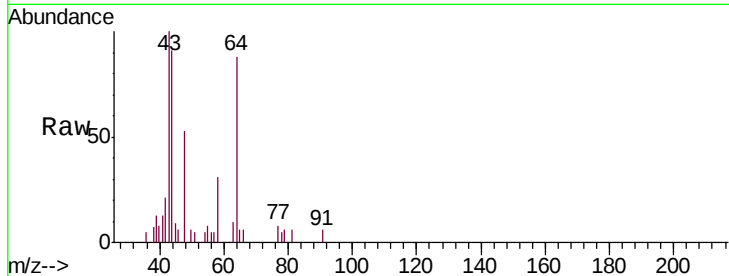
CWJZ0

Tgt Ion: 43 Resp: 3597

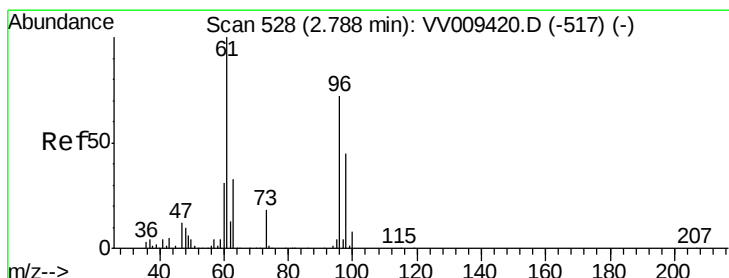
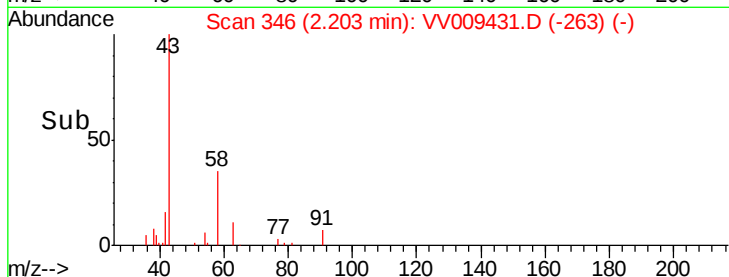
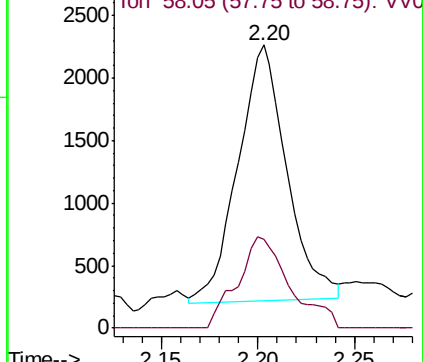
Ion Ratio Lower Upper

43 100

58 38.2 0.0 62.0



Abundance Ion 43.05 (42.75 to 43.75): VV009420.D (-338) (-)



#18

trans-1,2-Dichloroethene

Concen: 19.252 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV009431.D

Acq: 28 Feb 2019 18:39

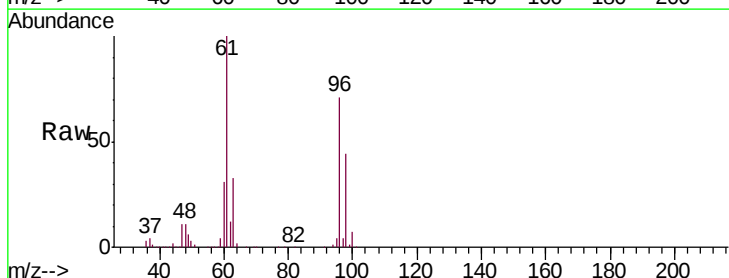
Tgt Ion: 96 Resp: 130724

Ion Ratio Lower Upper

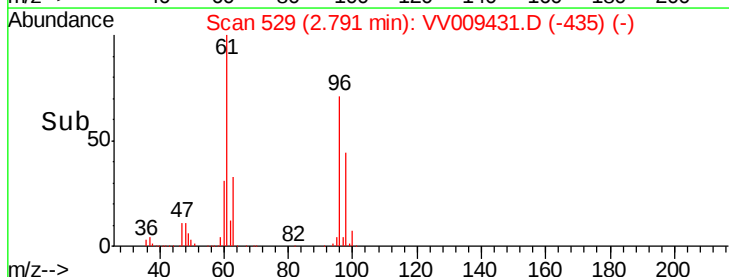
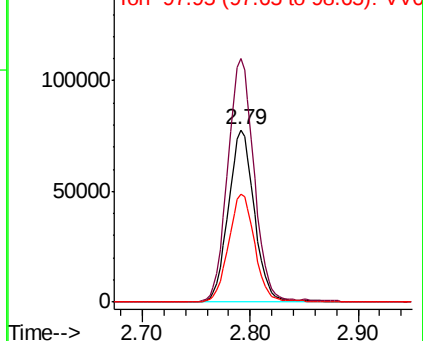
96 100

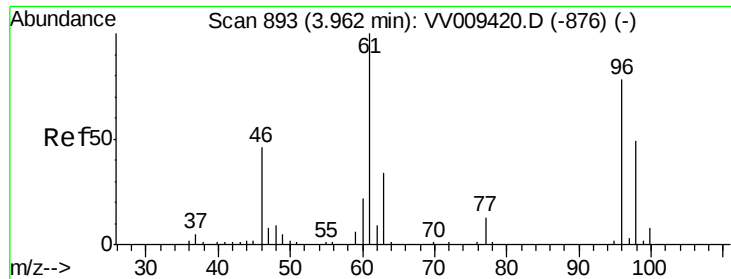
61 141.4 106.0 196.8

98 62.9 48.2 89.4



Abundance Ion 96.00 (95.70 to 96.70): VV009420.D (-517) (-)



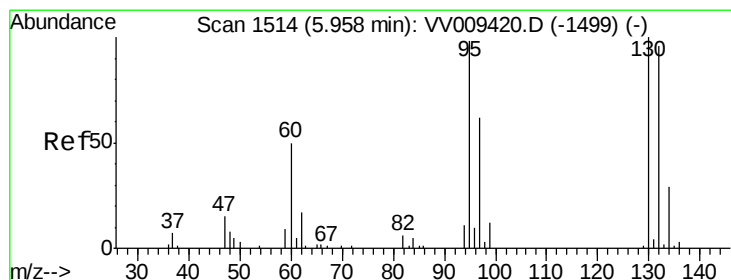
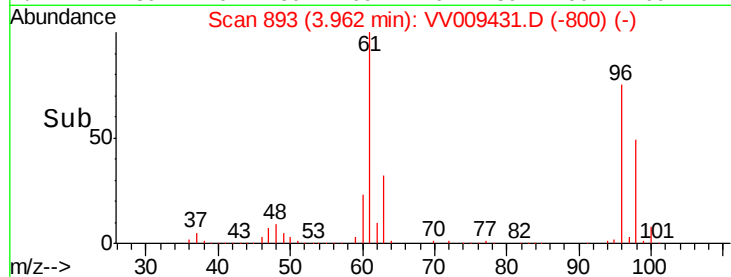
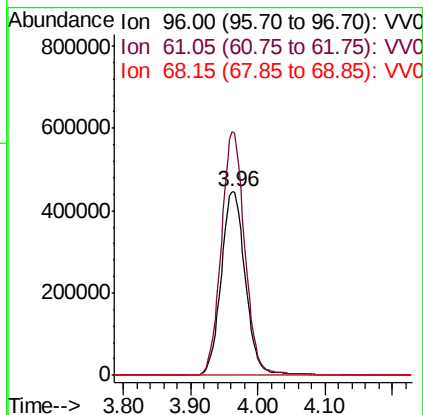
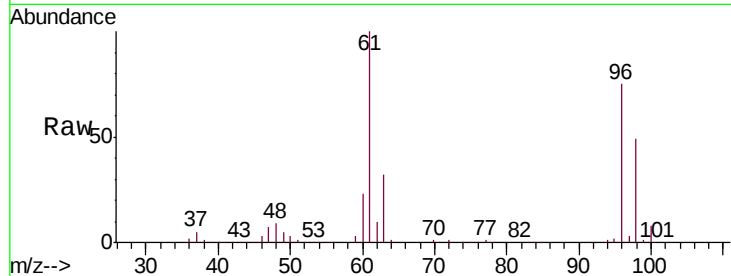


#22

cis-1,2-Dichloroethene
Concen: 176.542 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV009431.D
Acq: 28 Feb 2019 18:39

Instrument :
MSVOA_V
ClientSampleId :
CWJZ0

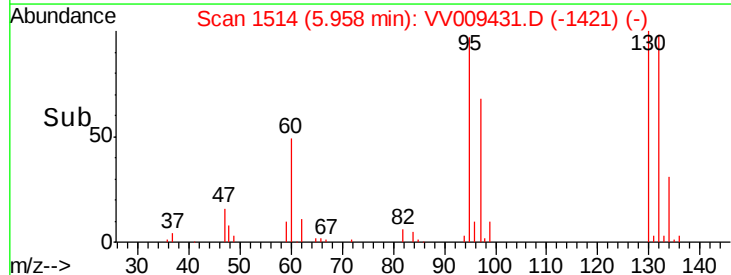
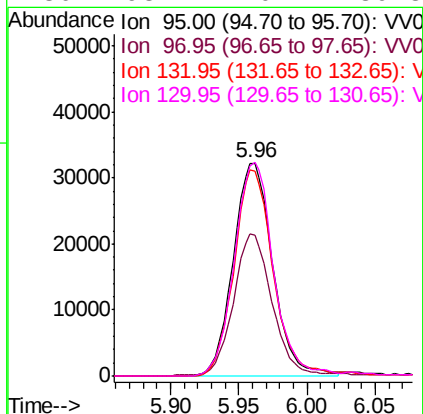
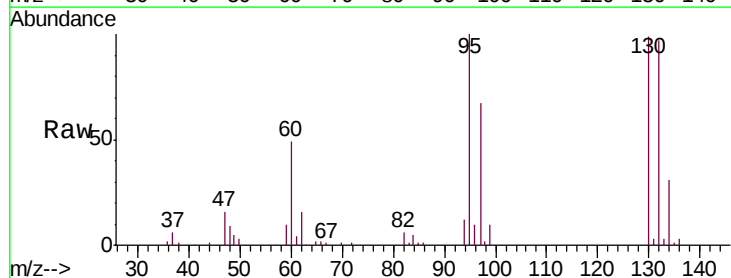
Tgt Ion: 96 Resp: 1119468
Ion Ratio Lower Upper
96 100
61 132.7 86.0 159.8
68 0.0 0.0 0.0

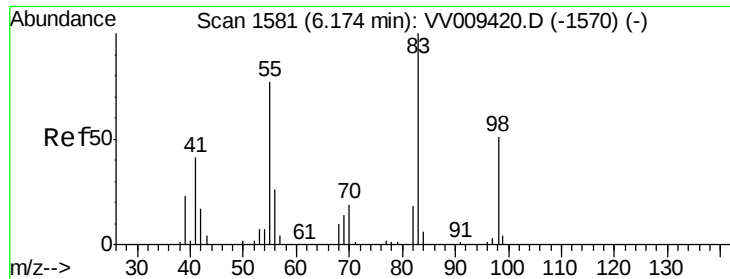


#34

Trichloroethene
Concen: 9.758 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VV009431.D
Acq: 28 Feb 2019 18:39

Tgt Ion: 95 Resp: 64847
Ion Ratio Lower Upper
95 100
97 66.7 44.2 82.2
132 97.1 67.8 126.0
130 98.7 70.4 130.8





#35

Methylcyclohexane

Concen: 0.712 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV009431.D

Acq: 28 Feb 2019 18:39

Instrument :

MSVOA_V

ClientSampled :

CWJZO

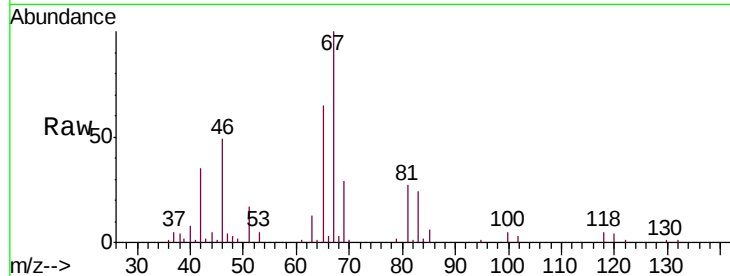
Tgt Ion: 83 Resp: 7772

Ion Ratio Lower Upper

83 100

55 1.8 59.8 89.8#

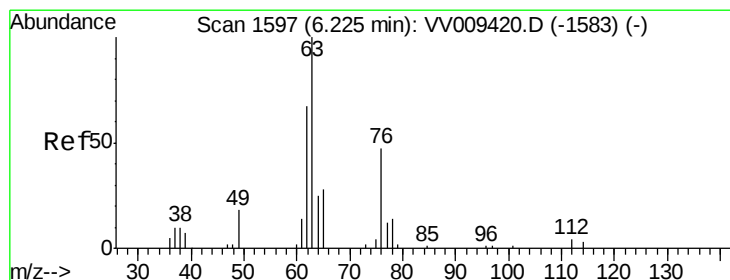
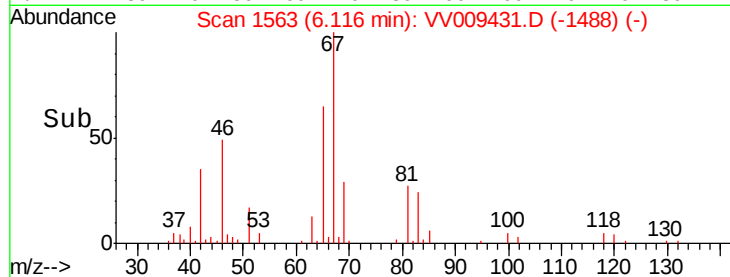
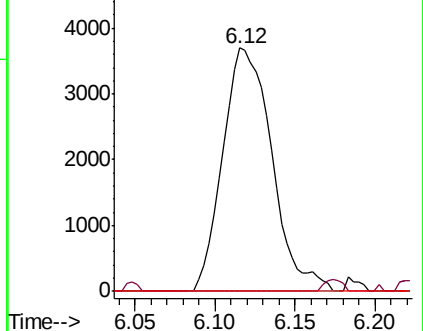
98 0.0 39.9 59.9#



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: 0.701 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.11 min

Lab File: VV009431.D

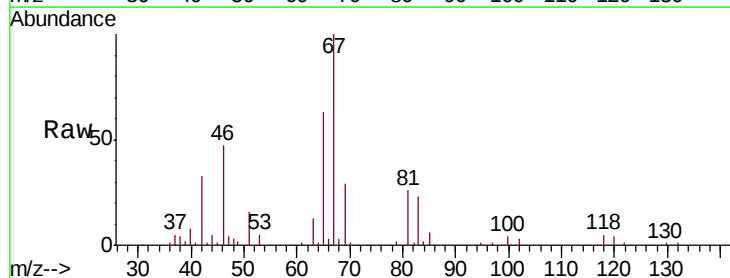
Acq: 28 Feb 2019 18:39

Tgt Ion: 63 Resp: 4033

Ion Ratio Lower Upper

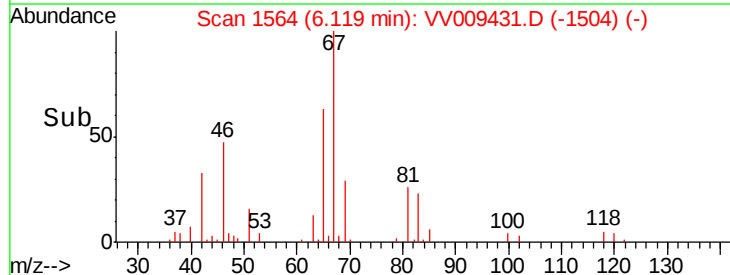
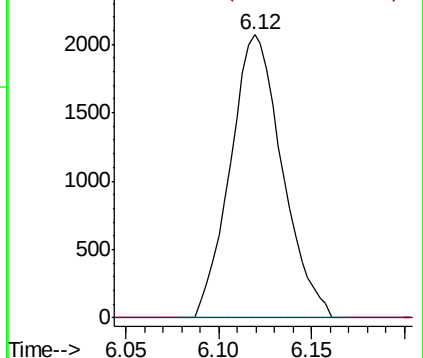
63 100

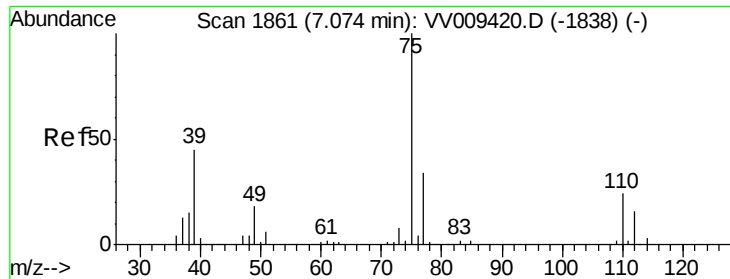
112 1.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V

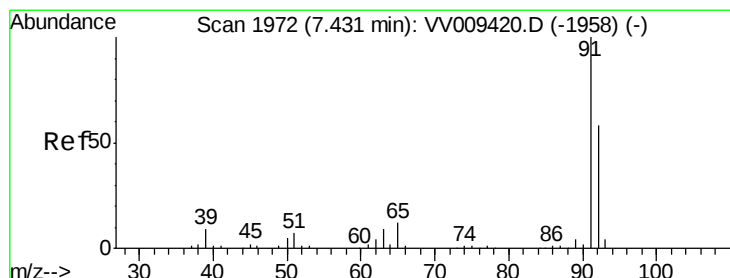
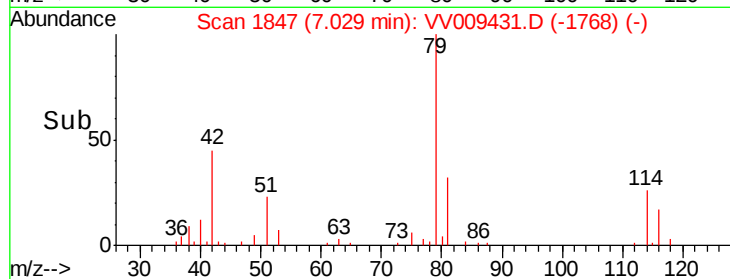
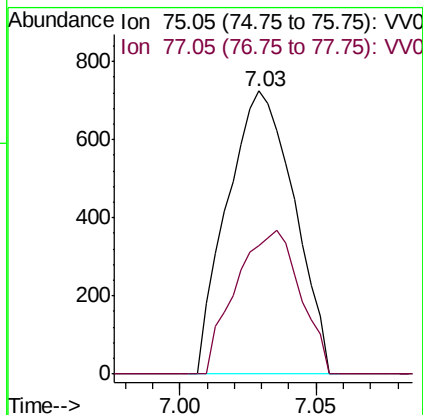
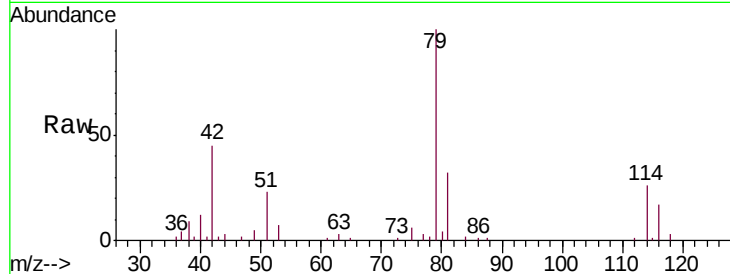




#39
 cis-1,3-Dichloropropene
 Concen: 0.136 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV009431.D
 Acq: 28 Feb 2019 18:39

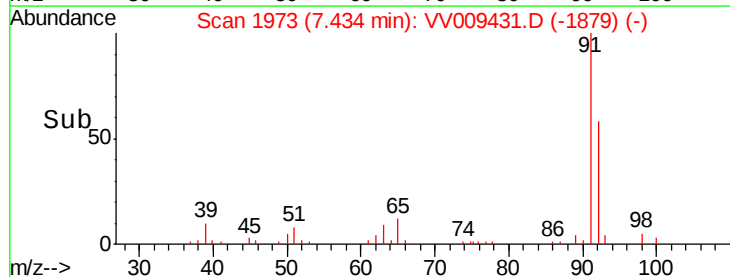
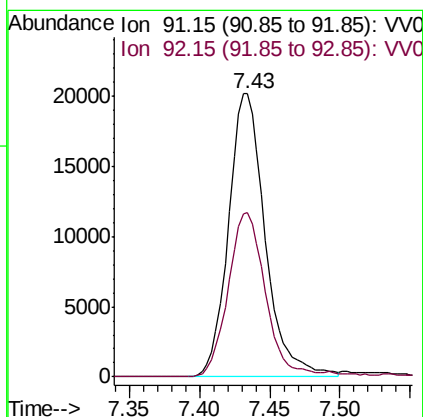
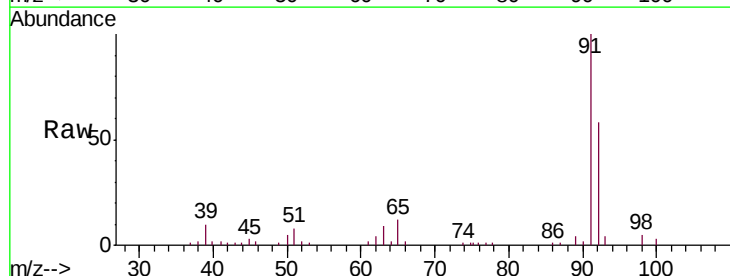
Instrument :
 MSVOA_V
 ClientSampleId :
 CWJZ0

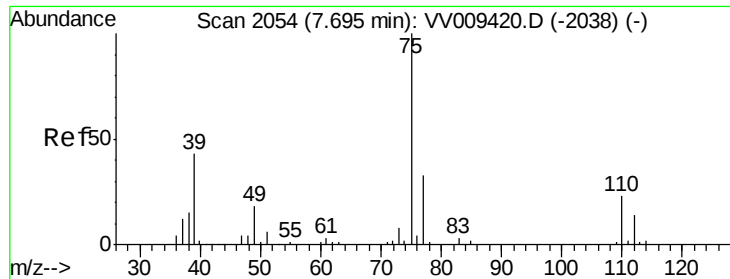
Tgt Ion: 75 Resp: 1234
 Ion Ratio Lower Upper
 75 100
 77 45.2 21.1 39.1#



#42
 Toluene
 Concen: 1.373 ug/L
 RT: 7.43 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VV009431.D
 Acq: 28 Feb 2019 18:39

Tgt Ion: 91 Resp: 36814
 Ion Ratio Lower Upper
 91 100
 92 58.2 39.8 73.8





#44

trans-1,3-Dichloropropene

Concen: 0.105 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV009431.D

Acq: 28 Feb 2019 18:39

Instrument :

MSVOA_V

ClientSampled :

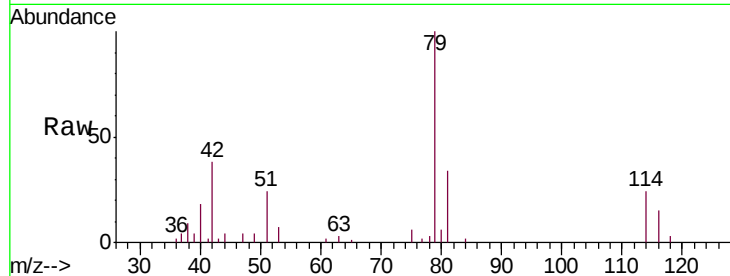
CWJZO

Tgt Ion: 75 Resp: 747

Ion Ratio Lower Upper

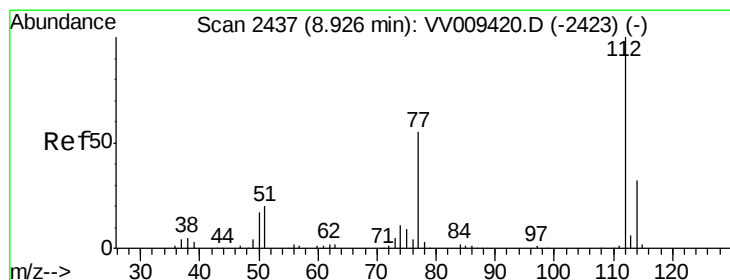
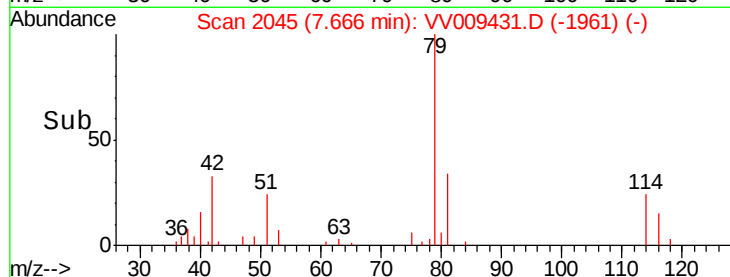
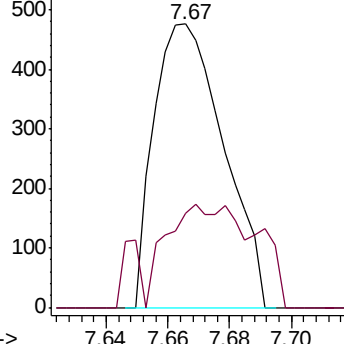
75 100

77 33.2 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#51

Chlorobenzene

Concen: 0.196 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV009431.D

Acq: 28 Feb 2019 18:39

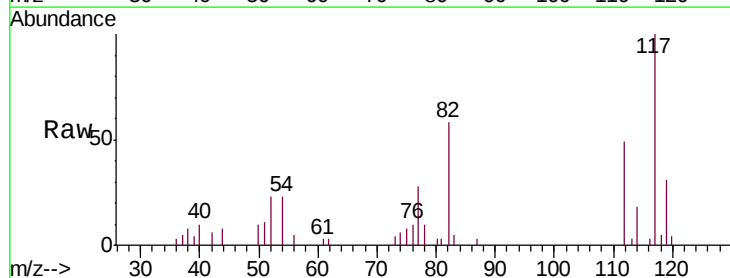
Tgt Ion: 112 Resp: 3431

Ion Ratio Lower Upper

112 100

114 37.0 23.2 43.2

77 55.6 45.7 68.5



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0

