

Data File : VV012036.D
Acq On : 25 Jul 2019 18:56
Operator : SY/MD
Sample : K3958-23MSD
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F2A31MSD

Quant Time: Jul 26 02:40:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 26 02:35:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	122875	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	120518	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	60571	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	27431	4.30	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.00%
7) Chloroethane-d5	1.59	69	24450	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.40%
11) 1,1-Dichloroethene-d2	2.13	63	59812	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.20%
20) 2-Butanone-d5	3.96	46	104453	55.96	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.92%
24) Chloroform-d	4.40	84	80377	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.08	65	48846	5.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.20%
32) Benzene-d6	5.10	84	162650	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
36) 1,2-Dichloropropane-d6	6.12	67	49719	5.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.40%
41) Toluene-d8	7.36	98	149201	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
43) trans-1,3-Dichloropropene-	7.67	79	19069	4.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.80%
46) 2-Hexanone-d5	8.14	63	87584	55.87	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.74%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	36751	5.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	62739	5.38	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.60%

Target Compounds

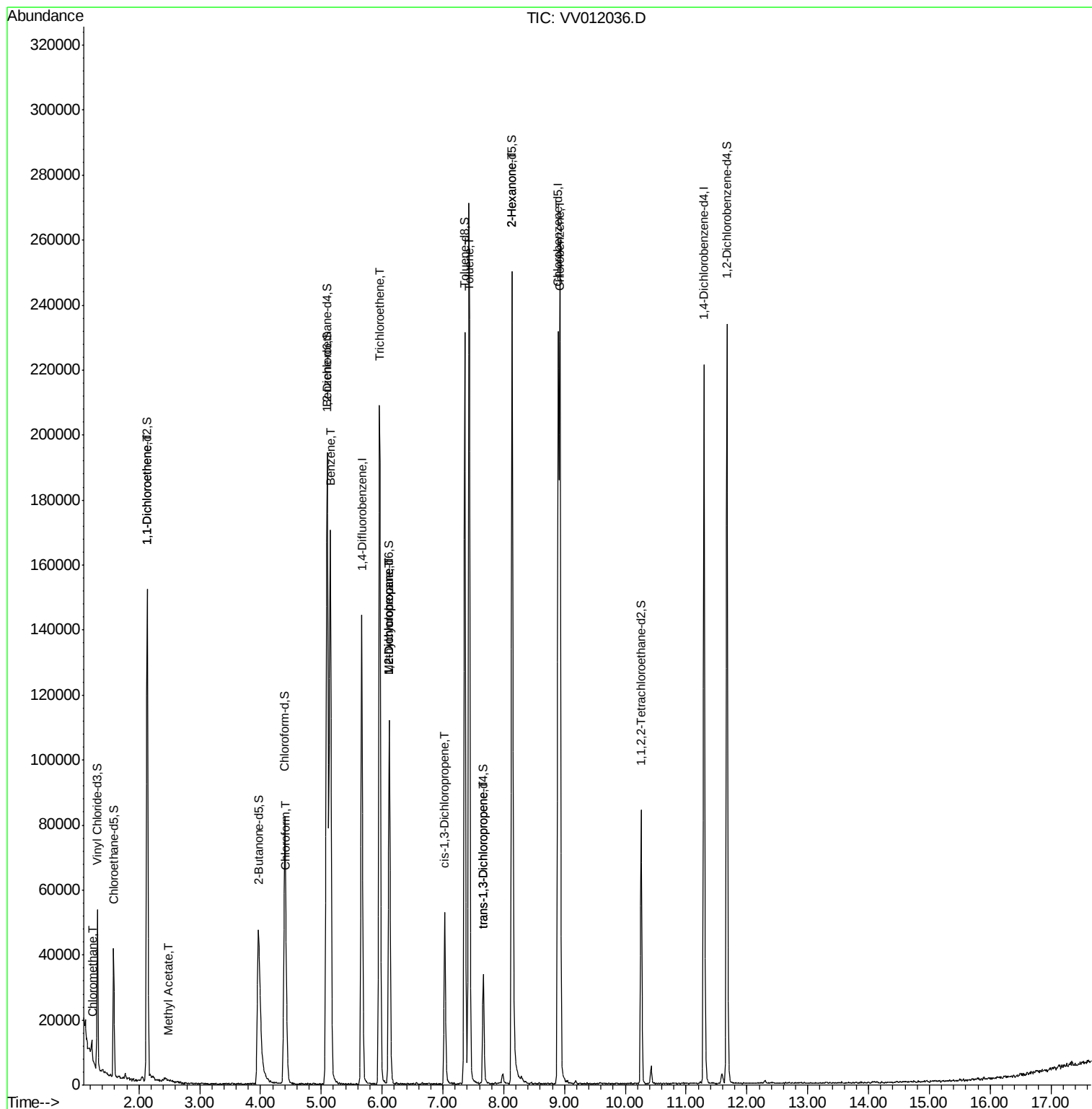
					Qvalue
3) Chloromethane	1.25	50	676	0.092 ug/L	96
12) 1,1-Dichloroethene	2.14	96	27394	4.898 ug/L	92
15) Methyl Acetate	2.48	43	414	0.188 ug/L #	45
25) Chloroform	4.43	83	8716	0.469 ug/L	91
33) Benzene	5.15	78	167946	4.737 ug/L	100
34) Trichloroethene	5.96	95	68563	6.964 ug/L	99
35) Methylcyclohexane	6.12	83	13250	0.865 ug/L #	16
37) 1,2-Dichloropropane	6.12	63	5702	0.669 ug/L #	84
39) cis-1,3-Dichloropropene	7.03	75	1541	0.122 ug/L #	53
42) Toluene	7.43	91	190551	5.008 ug/L	97
44) trans-1,3-Dichloropropene	7.66	75	952	0.095 ug/L #	75
48) 2-Hexanone	8.14	43	11028	3.301 ug/L #	71
51) Chlorobenzene	8.92	112	130405	5.234 ug/L	97

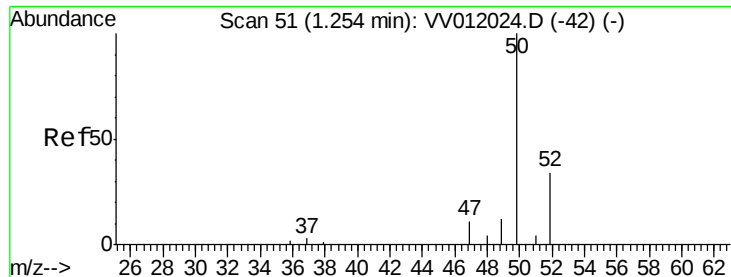
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.092 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012036.D

Acq: 25 Jul 2019 18:56

Instrument :

MSVOA_V

ClientSampleId :

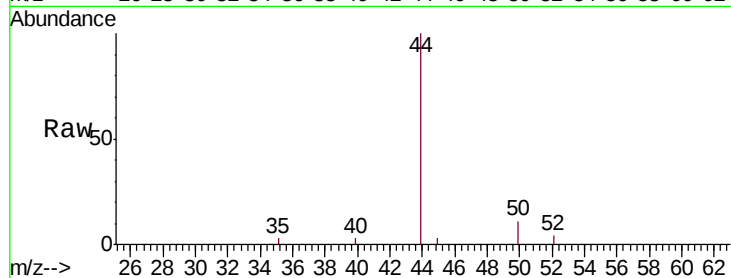
F2A31MSD

Tgt Ion: 50 Resp: 676

Ion Ratio Lower Upper

50 100

52 33.2 21.6 40.2



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

1.25

600

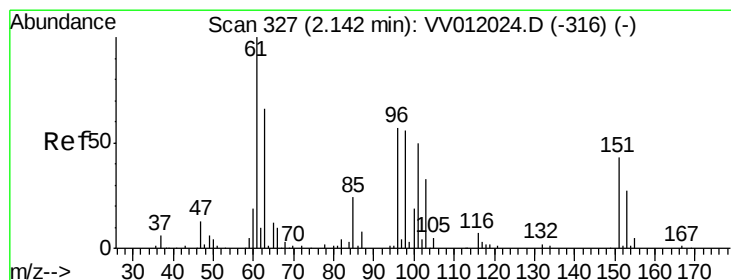
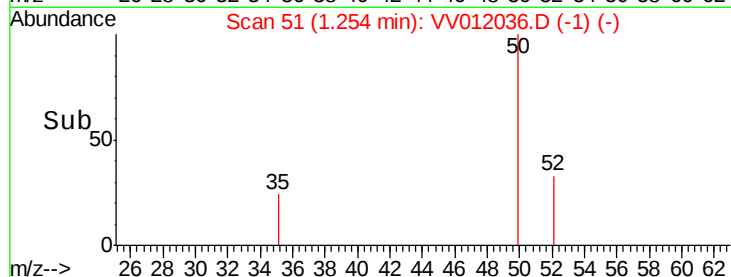
400

200

0

1.22 1.24 1.26 1.28 1.30

Time-->



#12

1,1-Dichloroethene

Concen: 4.898 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012036.D

Acq: 25 Jul 2019 18:56

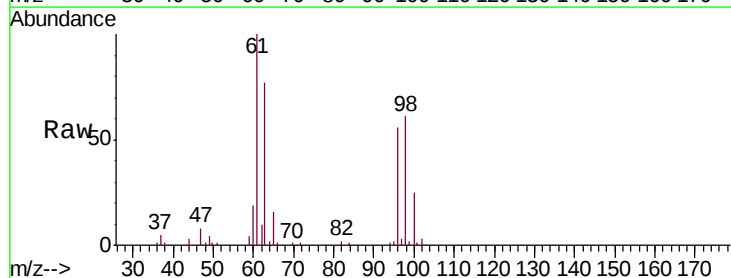
Tgt Ion: 96 Resp: 27394

Ion Ratio Lower Upper

96 100

61 178.7 132.7 246.5

63 138.2 104.0 193.1



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

50000

40000

30000

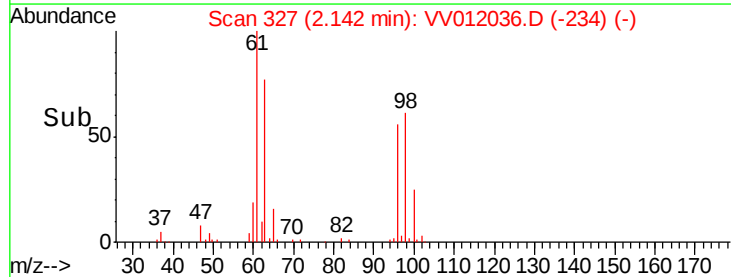
20000

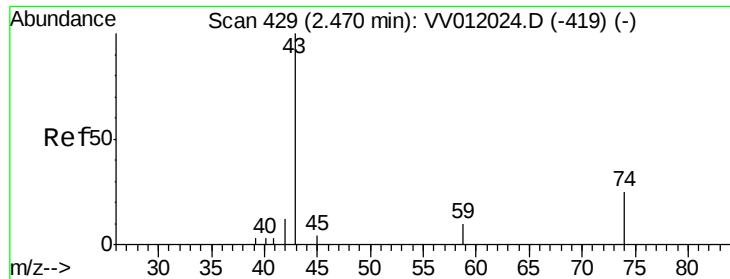
10000

0

2.10 2.15 2.20

Time-->

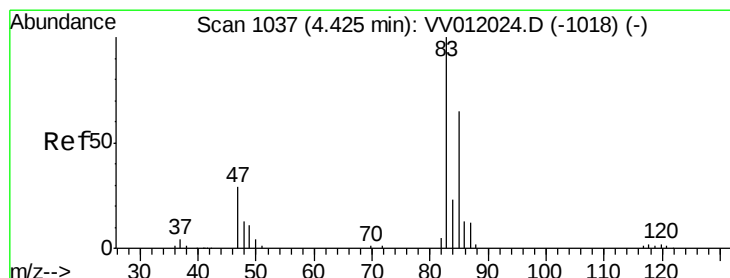
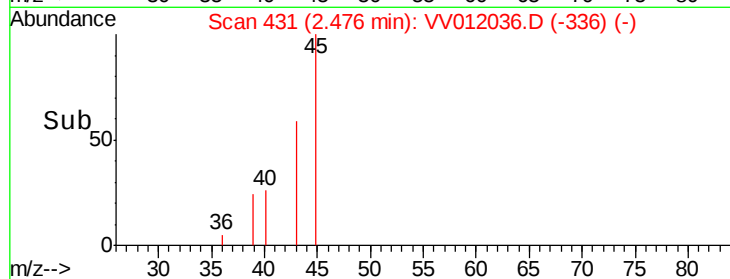
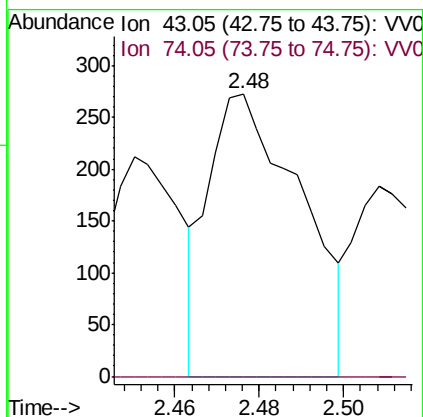
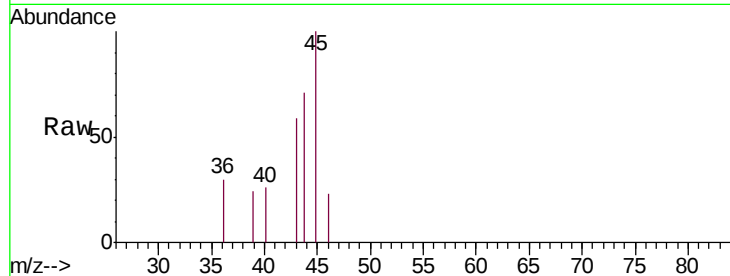




#15
Methyl Acetate
Concen: 0.188 ug/L
RT: 2.48 min Scan# 431
Delta R.T. 0.01 min
Lab File: VV012036.D
Acq: 25 Jul 2019 18:56

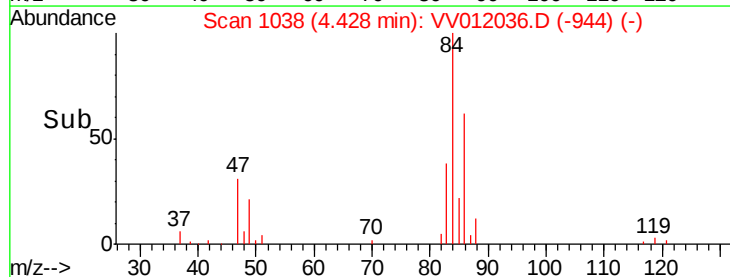
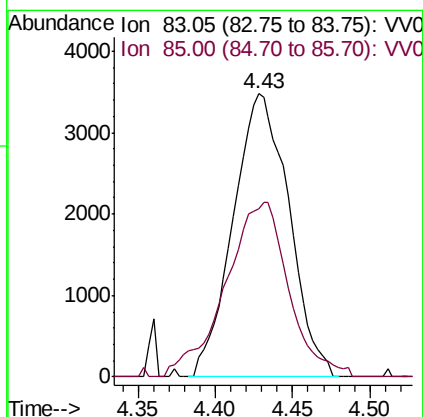
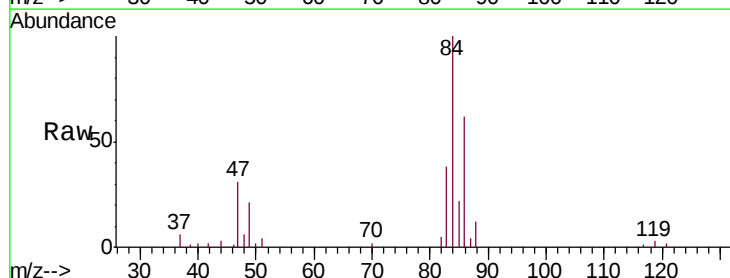
Instrument :
MSVOA_V
ClientSampled :
F2A31MSD

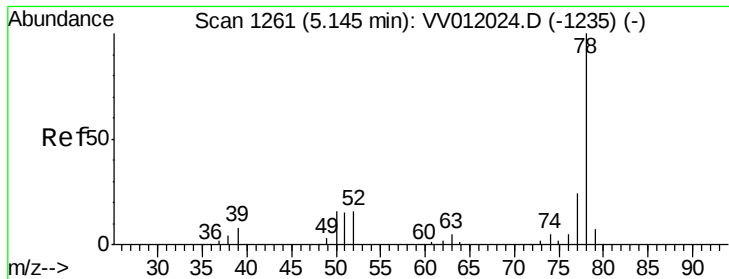
Tgt Ion: 43 Resp: 414
Ion Ratio Lower Upper
43 100
74 0.0 23.4 35.2#



#25
Chloroform
Concen: 0.469 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV012036.D
Acq: 25 Jul 2019 18:56

Tgt Ion: 83 Resp: 8716
Ion Ratio Lower Upper
83 100
85 59.3 46.5 86.3





#33

Benzene

Concen: 4.737 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VV012036.D

Acq: 25 Jul 2019 18:56

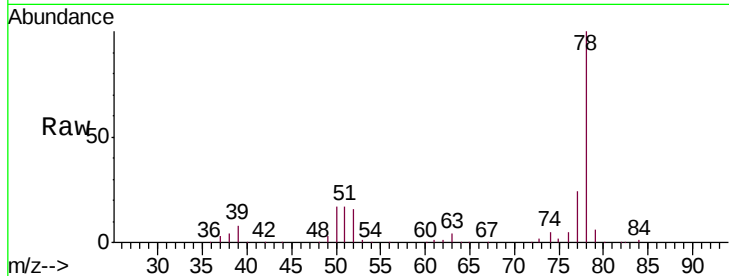
Instrument :

MSVOA_V

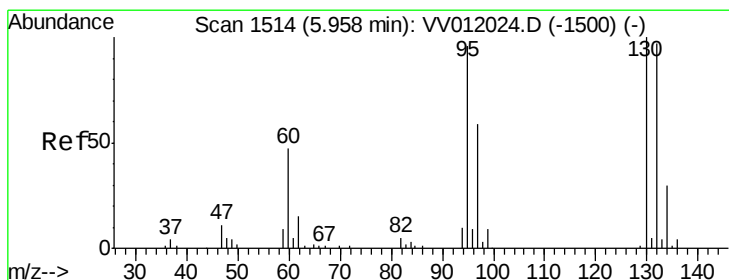
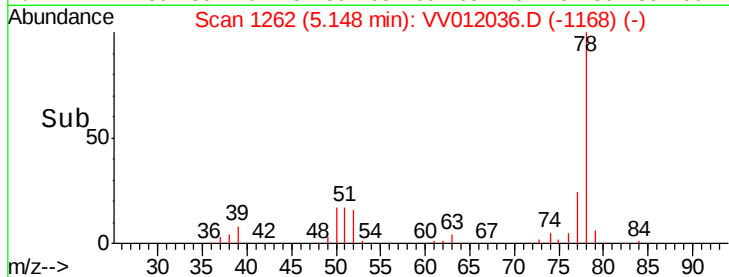
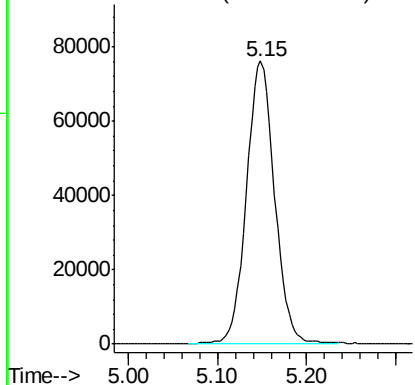
ClientSampleId :

F2A31MSD

Tgt Ion: 78 Resp: 167946



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 6.964 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012036.D

Acq: 25 Jul 2019 18:56

Tgt Ion: 95 Resp: 68563

Ion	Ratio	Lower	Upper
95	100		
97	65.1	45.6	84.6
132	101.2	71.3	132.3
130	105.8	72.8	135.2

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

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

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

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

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

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

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

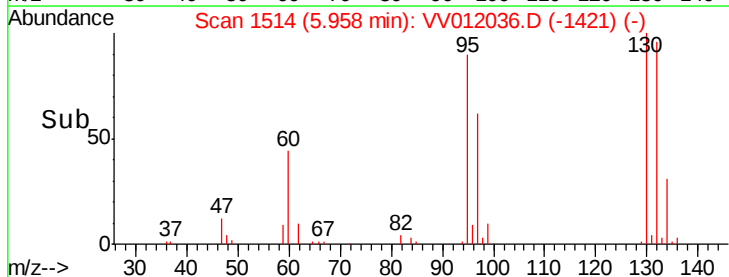
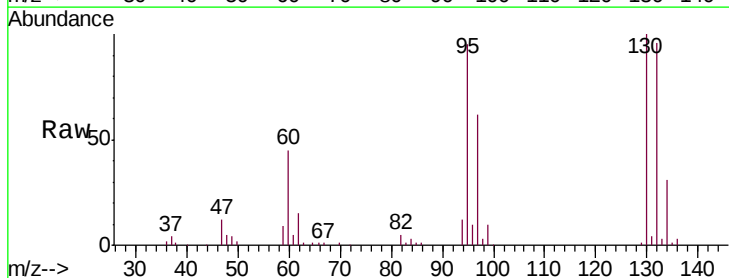
Ion 129.95 (129.65 to 130.65): VV0

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



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

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

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

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

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

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

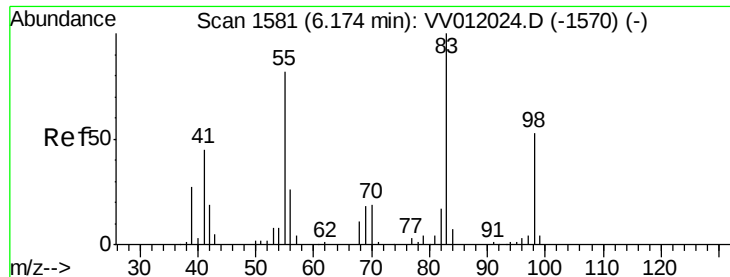
Ion 129.95 (129.65 to 130.65): VV0

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

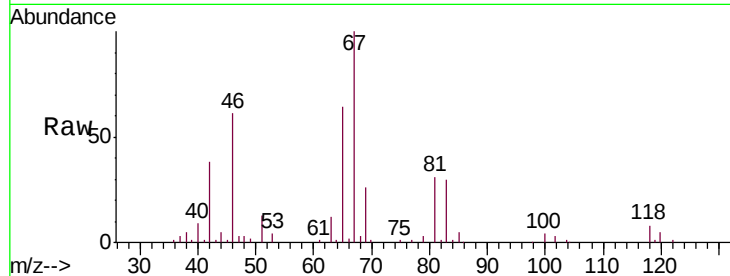
Ion 129.95 (129.65 to 130.65): VV0



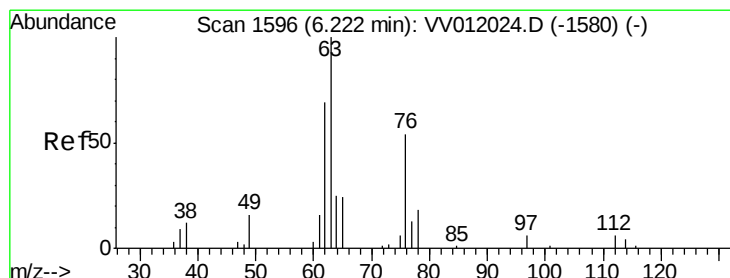
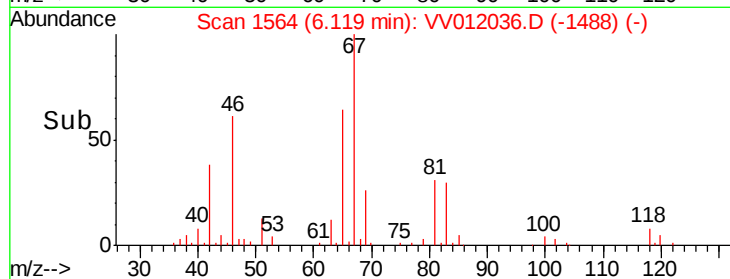
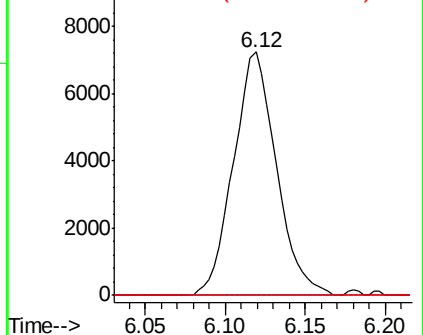
#35
Methylcyclohexane
Concen: 0.865 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.05 min
Lab File: VV012036.D
Acq: 25 Jul 2019 18:56

Instrument :
MSVOA_V
ClientSampleId :
F2A31MSD

Tgt Ion: 83 Resp: 13250
Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.4#
98 0.0 41.4 62.0#

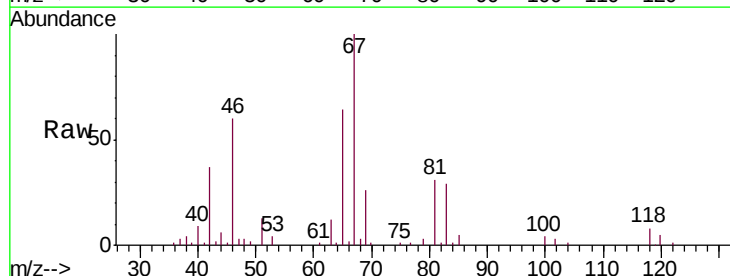


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

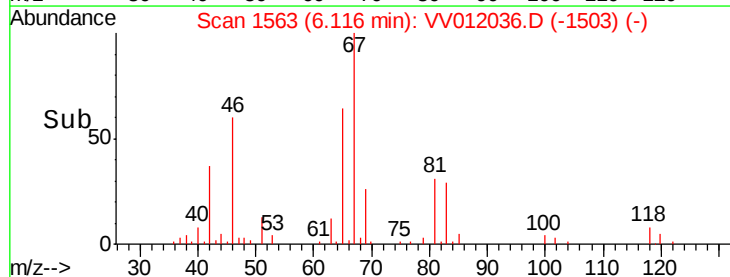
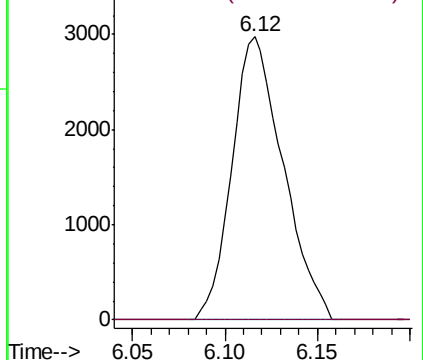


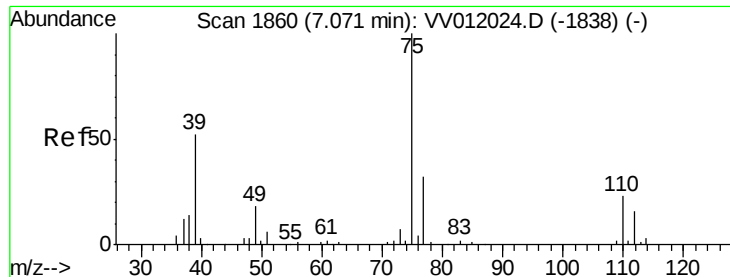
#37
1,2-Dichloropropane
Concen: 0.669 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.11 min
Lab File: VV012036.D
Acq: 25 Jul 2019 18:56

Tgt Ion: 63 Resp: 5702
Ion Ratio Lower Upper
63 100
112 0.0 4.2 6.4#



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

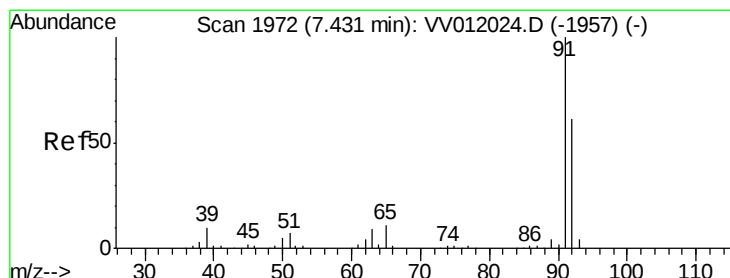
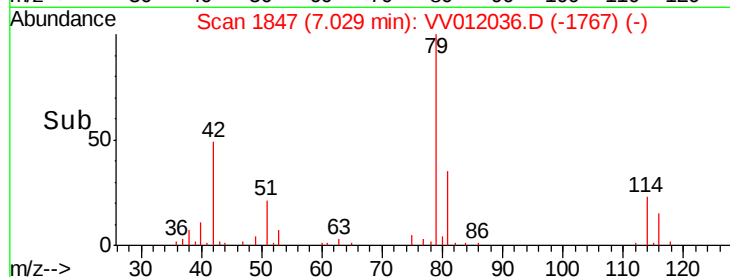
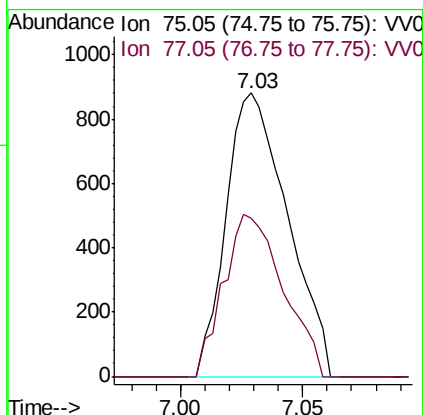
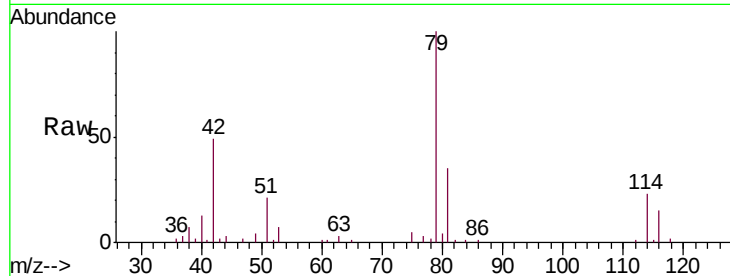




#39
 cis-1,3-Dichloropropene
 Concen: 0.122 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV012036.D
 Acq: 25 Jul 2019 18:56

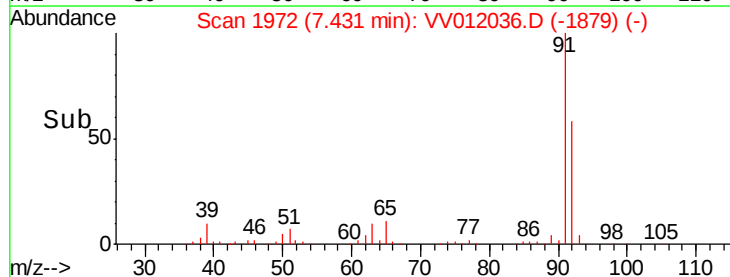
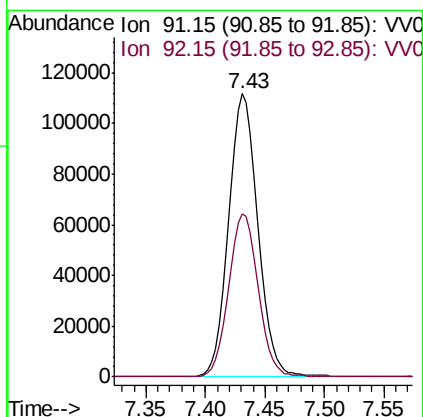
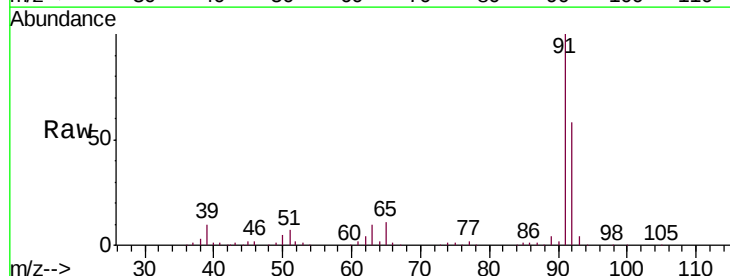
Instrument :
 MSVOA_V
 ClientSampleId :
 F2A31MSD

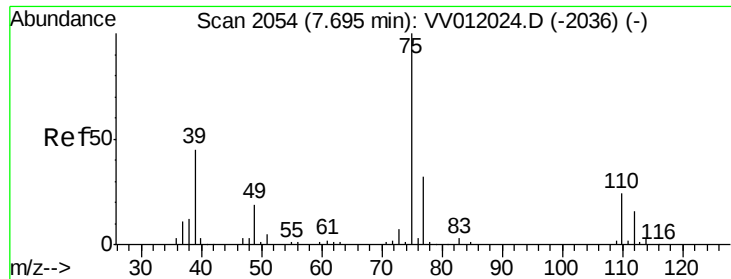
Tgt Ion: 75 Resp: 1541
 Ion Ratio Lower Upper
 75 100
 77 56.0 21.3 39.6#



#42
 Toluene
 Concen: 5.008 ug/L
 RT: 7.43 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VV012036.D
 Acq: 25 Jul 2019 18:56

Tgt Ion: 91 Resp: 190551
 Ion Ratio Lower Upper
 91 100
 92 57.7 41.9 77.9





#44

trans-1,3-Dichloropropene

Concen: 0.095 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.04 min

Lab File: VV012036.D

Acq: 25 Jul 2019 18:56

Instrument :

MSVOA_V

ClientSampleId :

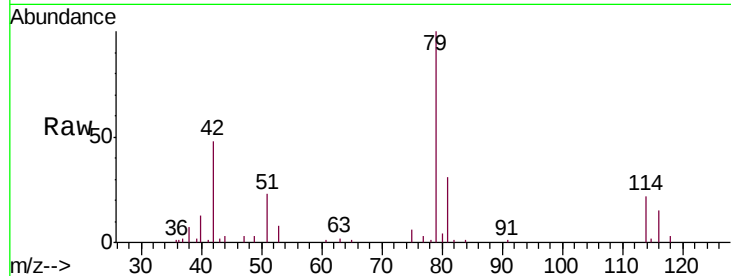
F2A31MSD

Tgt Ion: 75 Resp: 952

Ion Ratio Lower Upper

75 100

77 45.5 22.0 40.8#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.66

600

500

400

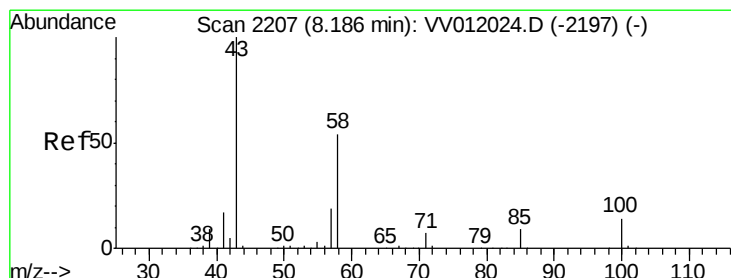
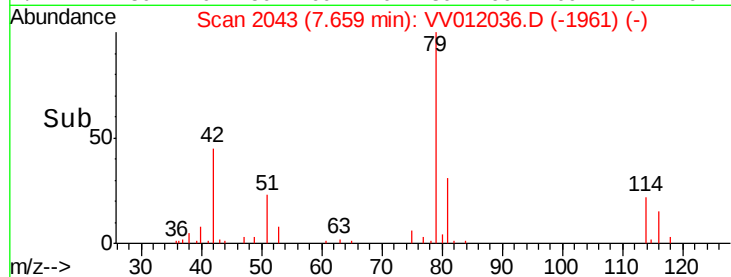
300

200

100

0

Time-->



#48

2-Hexanone

Concen: 3.301 ug/L

RT: 8.14 min Scan# 2191

Delta R.T. -0.05 min

Lab File: VV012036.D

Acq: 25 Jul 2019 18:56

Tgt Ion: 43 Resp: 11028

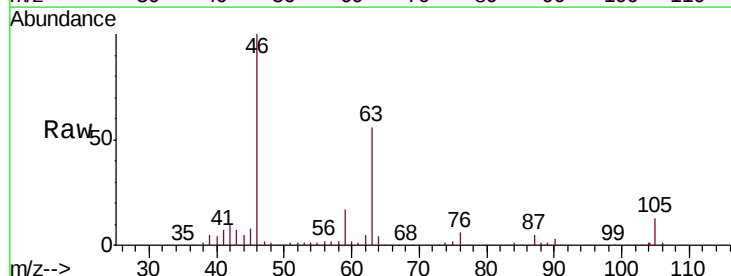
Ion Ratio Lower Upper

43 100

58 30.0 43.7 65.5#

57 27.3 16.0 24.0#

100 0.8 10.5 15.7#



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

8000

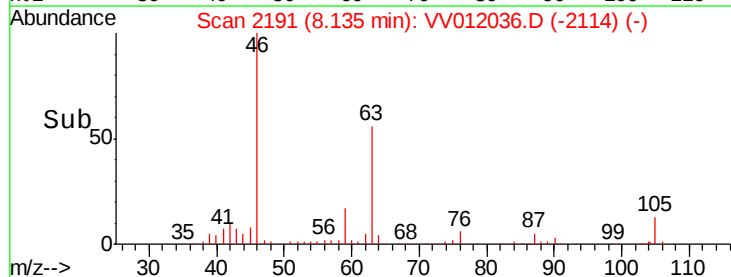
6000

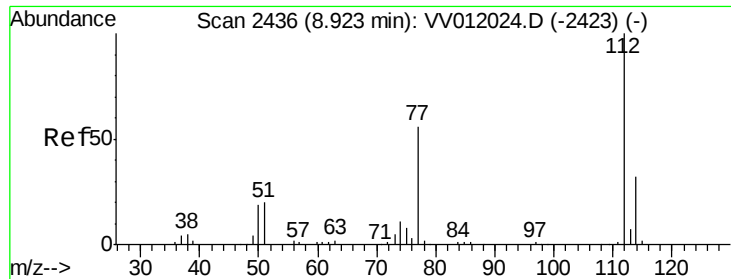
4000

2000

0

Time-->





#51

Chlorobenzene

Concen: 5.234 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV012036.D

Acq: 25 Jul 2019 18:56

Instrument :

MSVOA_V

ClientSampleId :

F2A31MSD

Tgt Ion:112 Resp: 130405

Ion Ratio Lower Upper

112 100

114 30.5 23.0 42.8

77 56.0 46.4 69.6

