

Data File : VV011974.D
Acq On : 23 Jul 2019 19:34
Operator : SY/MD
Sample : K3823-18
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A52J6

Quant Time: Jul 24 05:57:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 24 05:52:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	136587	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	131716	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	64430	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	35780	5.04	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.80%
7) Chloroethane-d5	1.59	69	28603	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.40%
11) 1,1-Dichloroethene-d2	2.13	63	57340	4.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.20%
20) 2-Butanone-d5	3.94	46	114067	54.97	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.94%
24) Chloroform-d	4.40	84	91989	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.08	65	52770	5.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.00%
32) Benzene-d6	5.10	84	185131	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
36) 1,2-Dichloropropane-d6	6.12	67	54020	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.80%
41) Toluene-d8	7.36	98	168391	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
43) trans-1,3-Dichloropropene-	7.67	79	20526	4.81	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.20%
46) 2-Hexanone-d5	8.13	63	93456	54.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.10%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	39208	5.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	68938	5.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.20%

Target Compounds

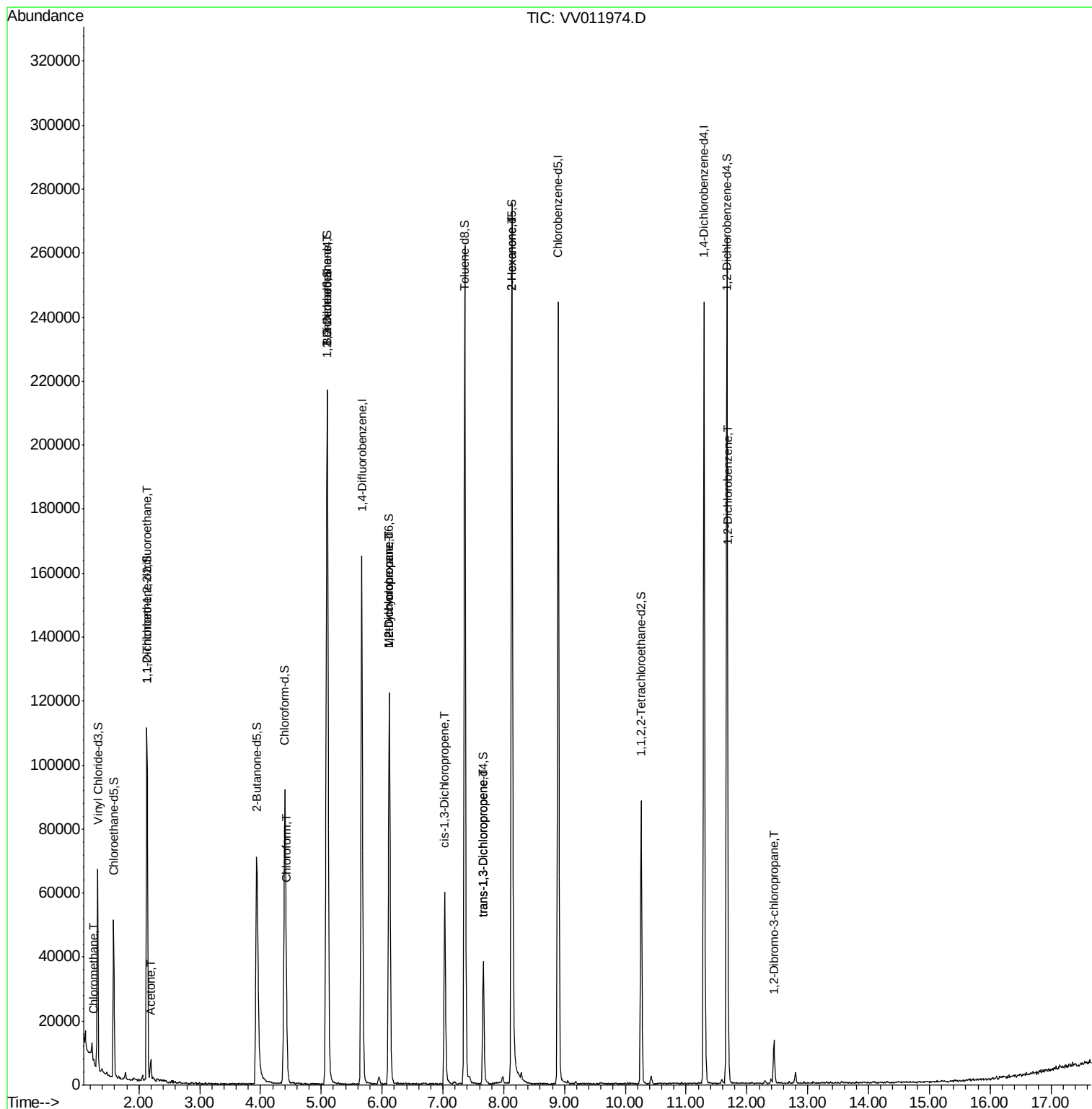
					Qvalue
3) Chloromethane	1.25	50	742	0.091 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	566	0.081 ug/L #	17
13) Acetone	2.20	43	5364	4.795 ug/L	95
25) Chloroform	4.43	83	5500	0.266 ug/L	95
27) 1,2-Dichloroethane	5.10	62	1306	0.114 ug/L #	76
35) Methylcyclohexane	6.12	83	14006	0.836 ug/L #	17
37) 1,2-Dichloropropane	6.12	63	6460	0.694 ug/L #	84
39) cis-1,3-Dichloropropene	7.03	75	1370	0.099 ug/L #	46
44) trans-1,3-Dichloropropene	7.67	75	1046	0.095 ug/L	92
48) 2-Hexanone	8.13	43	12763	3.496 ug/L #	69
65) 1,2-Dichlorobenzene	11.69	146	2010	0.104 ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.44	75	2489	2.208 ug/L #	1

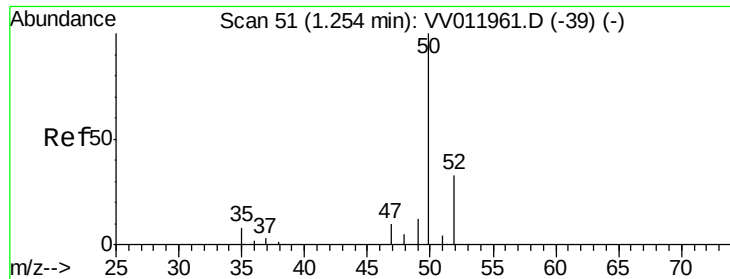
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.091 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV011974.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_V

ClientSampled :

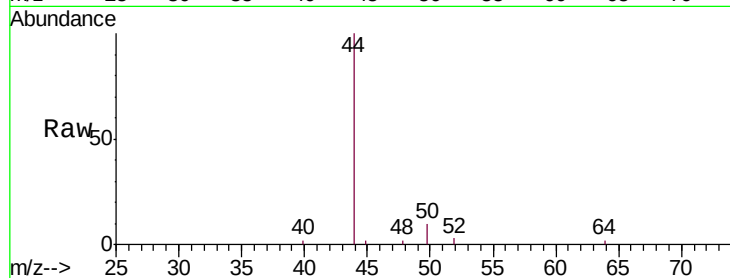
A52J6

Tgt Ion: 50 Resp: 742

Ion Ratio Lower Upper

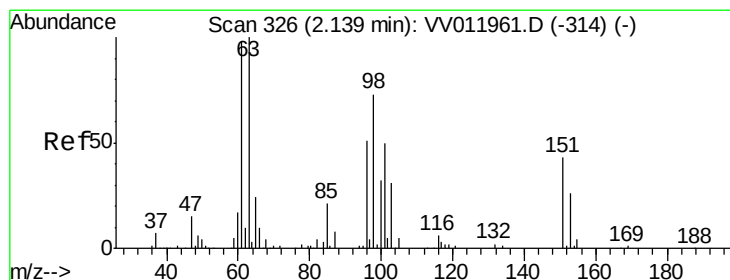
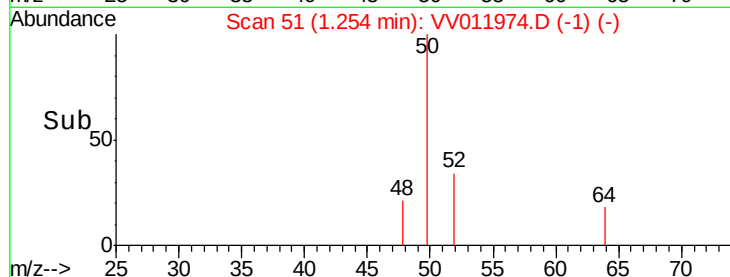
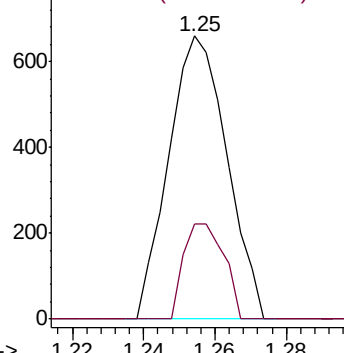
50 100

52 33.5 21.6 40.2



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.081 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV011974.D

Acq: 23 Jul 2019 19:34

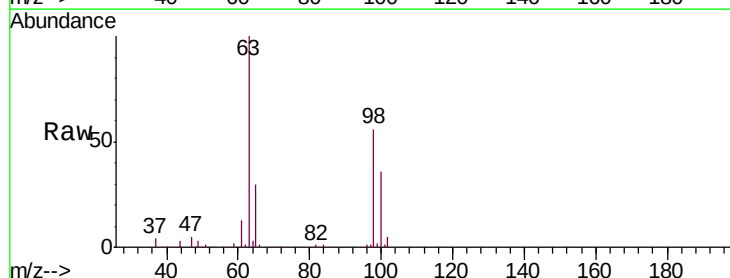
Tgt Ion: 101 Resp: 566

Ion Ratio Lower Upper

101 100

85 3.4 37.0 55.6#

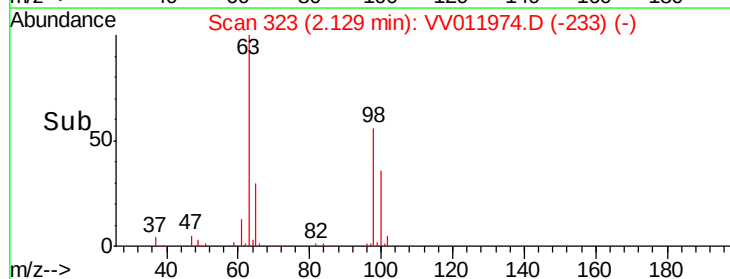
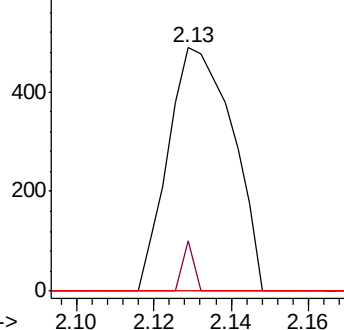
151 0.0 68.3 102.5#

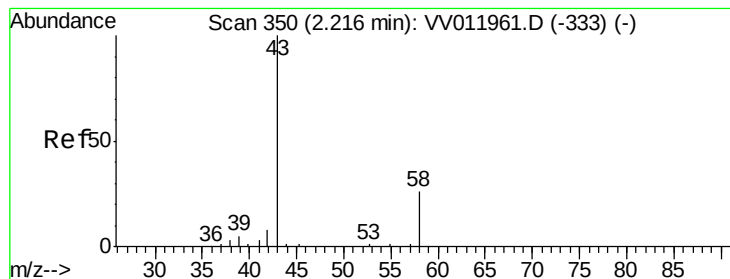


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V





#13

Acetone

Concen: 4.795 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.02 min

Lab File: VV011974.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_V

ClientSampled :

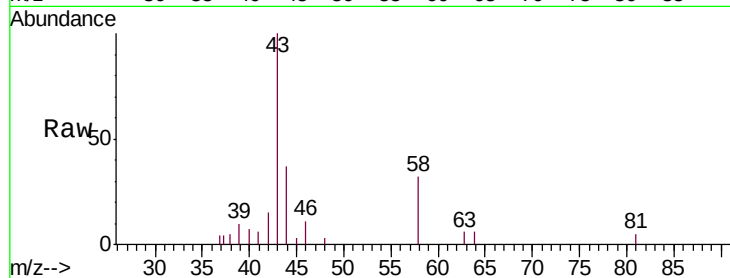
A52J6

Tgt Ion: 43 Resp: 5364

Ion Ratio Lower Upper

43 100

58 28.5 0.0 51.8



Abundance Ion 43.05 (42.75 to 43.75): VV011961.D (-333) (-)

Ion 58.05 (57.75 to 58.75): VV011961.D (-333) (-)

2.20

3000

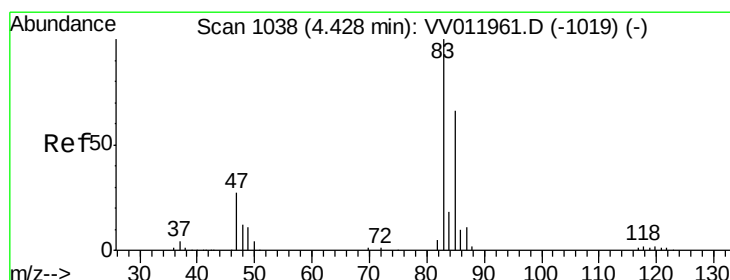
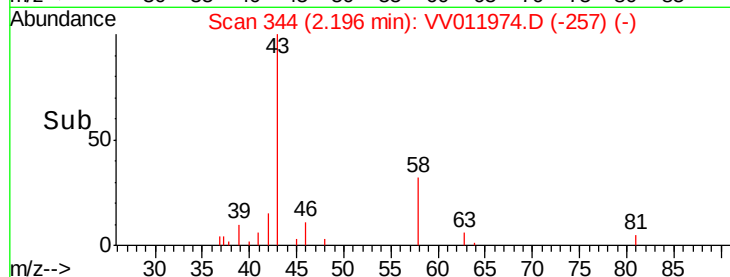
2000

1000

0

2.15 2.20 2.25

Time-->



#25

Chloroform

Concen: 0.266 ug/L

RT: 4.43 min Scan# 1039

Delta R.T. 0.00 min

Lab File: VV011974.D

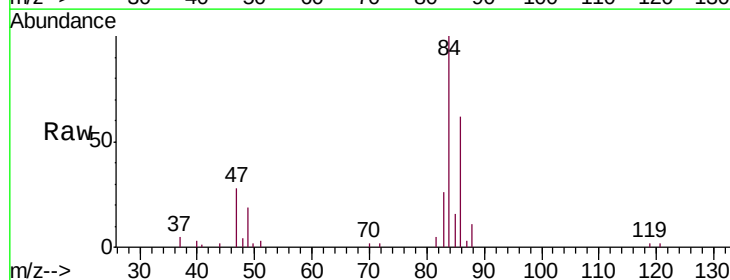
Acq: 23 Jul 2019 19:34

Tgt Ion: 83 Resp: 5500

Ion Ratio Lower Upper

83 100

85 62.2 46.5 86.3



Abundance Ion 83.05 (82.75 to 83.75): VV011961.D (-1019) (-)

Ion 85.00 (84.70 to 85.70): VV011961.D (-1019) (-)

4.43

2500

2000

1500

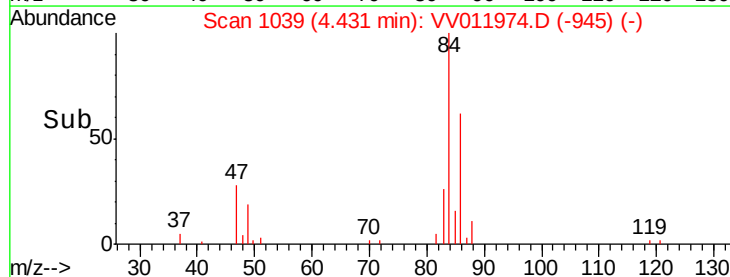
1000

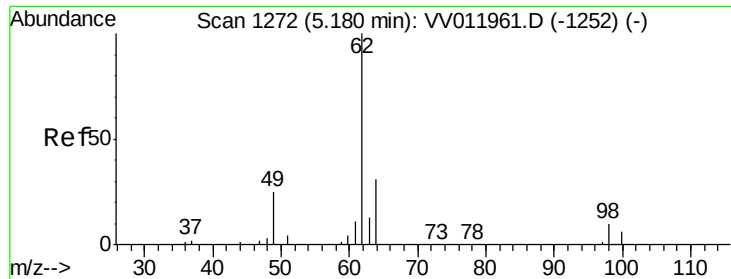
500

0

4.35 4.40 4.45 4.50

Time-->

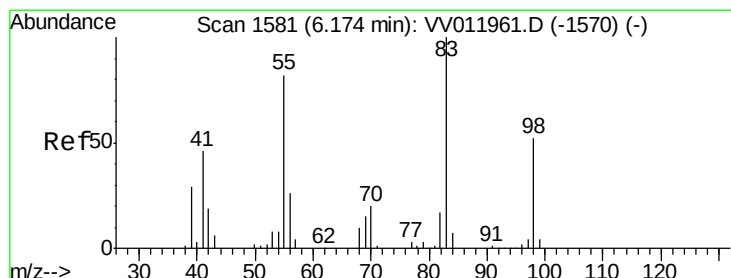
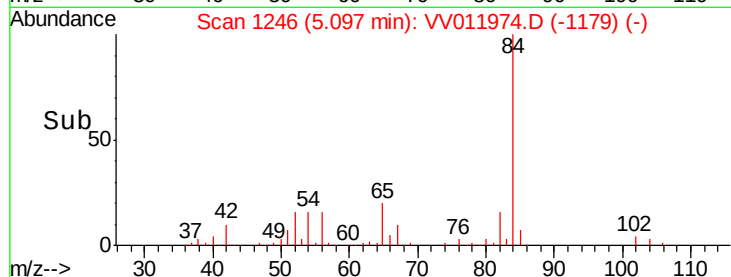
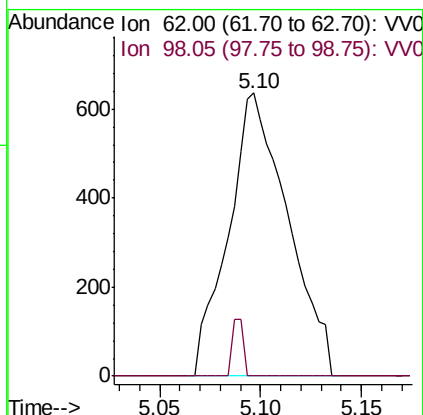
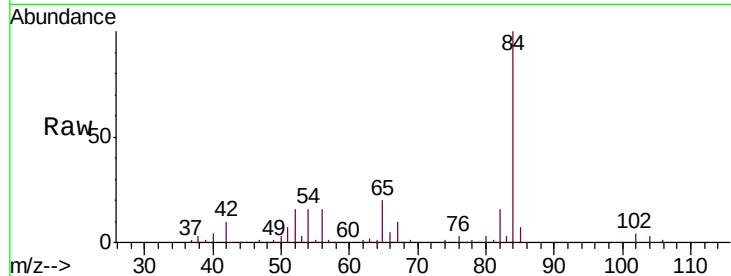




#27
 1,2-Dichloroethane
 Concen: 0.114 ug/L
 RT: 5.10 min Scan# 1246
 Delta R.T. -0.08 min
 Lab File: VV011974.D
 Acq: 23 Jul 2019 19:34

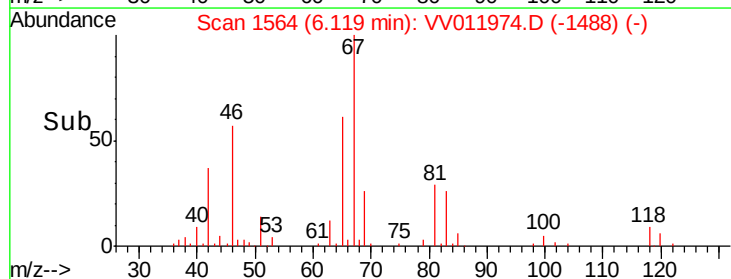
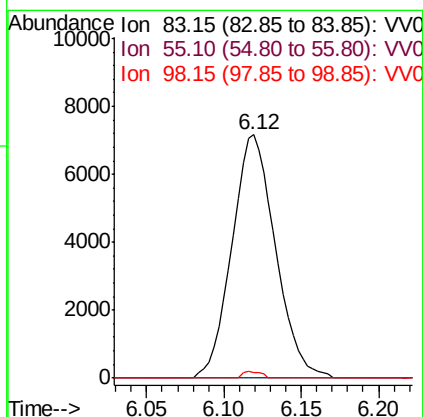
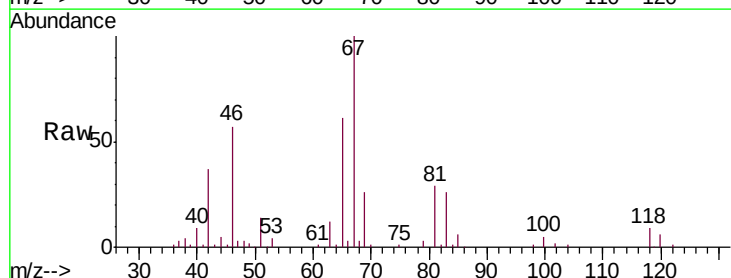
Instrument :
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 A52J6

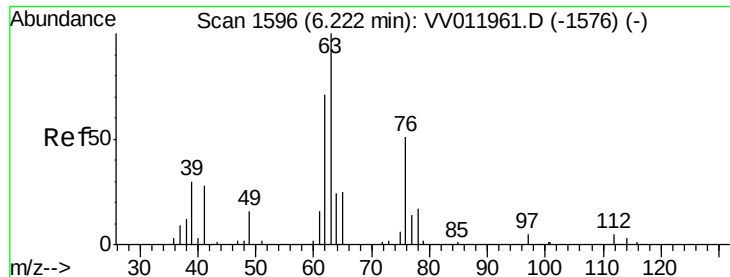
Tgt Ion: 62 Resp: 1306
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.0 10.6#



#35
 Methylcyclohexane
 Concen: 0.836 ug/L
 RT: 6.12 min Scan# 1564
 Delta R.T. -0.05 min
 Lab File: VV011974.D
 Acq: 23 Jul 2019 19:34

Tgt Ion: 83 Resp: 14006
 Ion Ratio Lower Upper
 83 100
 55 0.0 63.0 94.4#
 98 1.1 41.4 62.0#

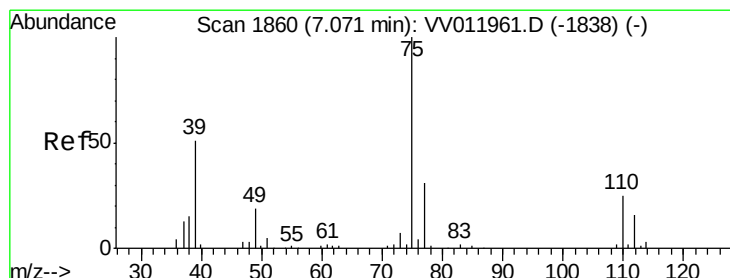
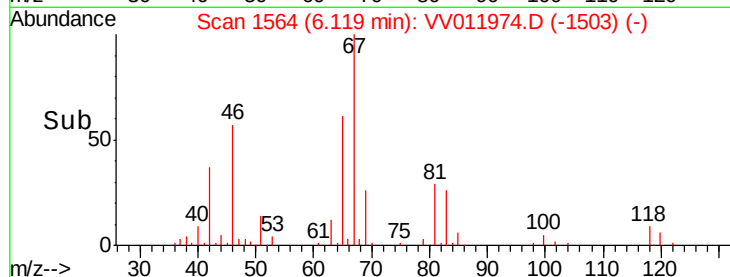
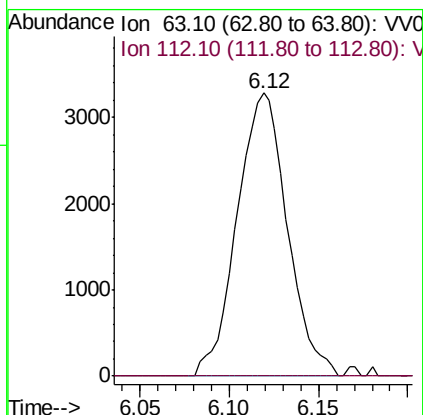
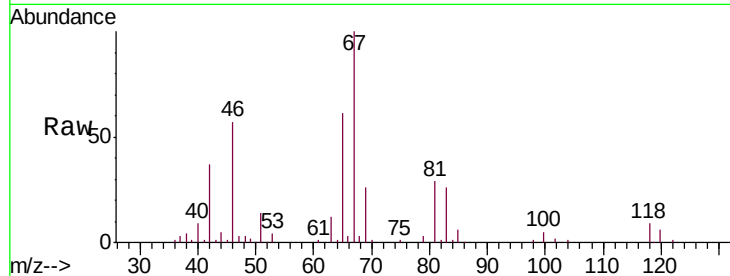




#37
 1,2-Dichloropropane
 Concen: 0.694 ug/L
 RT: 6.12 min Scan# 1564
 Delta R.T. -0.10 min
 Lab File: VV011974.D
 Acq: 23 Jul 2019 19:34

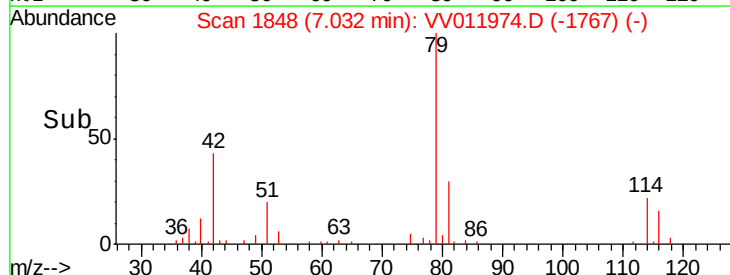
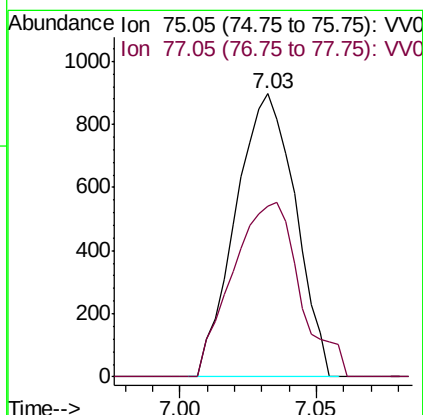
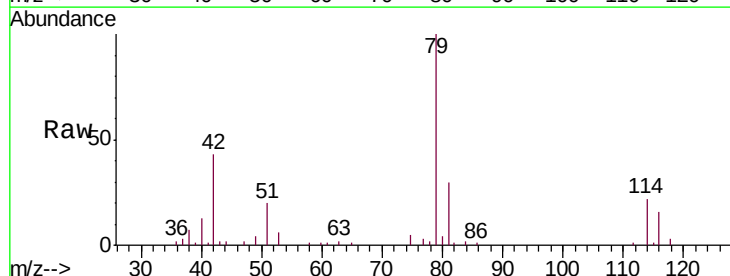
Instrument :
 MSVOA_V
 ClientSampled :
 A52J6

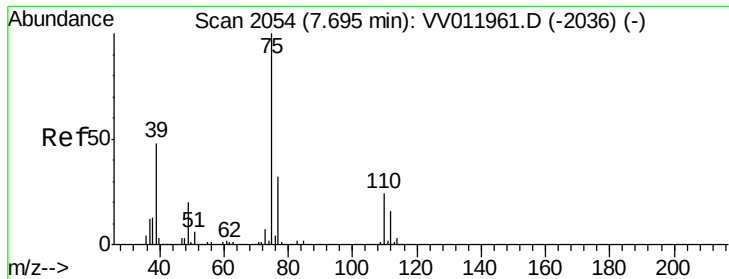
Tgt Ion: 63 Resp: 6460
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.2 6.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.099 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV011974.D
 Acq: 23 Jul 2019 19:34

Tgt Ion: 75 Resp: 1370
 Ion Ratio Lower Upper
 75 100
 77 60.2 21.3 39.6#





#44

trans-1,3-Dichloropropene

Concen: 0.095 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.03 min

Lab File: VV011974.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_V

ClientSampleId :

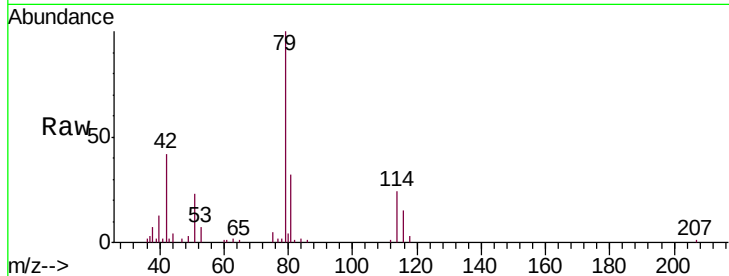
A52J6

Tgt Ion: 75 Resp: 1046

Ion Ratio Lower Upper

75 100

77 36.1 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.67

600

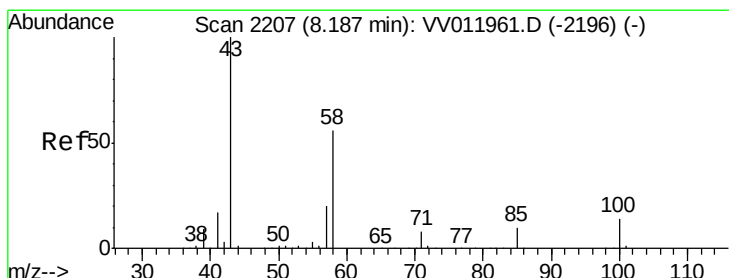
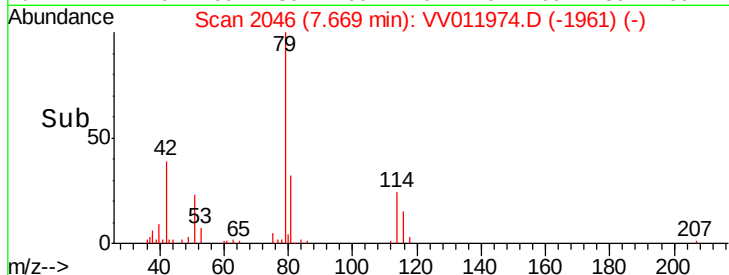
400

200

0

7.65 7.70

Time-->



#48

2-Hexanone

Concen: 3.496 ug/L

RT: 8.13 min Scan# 2190

Delta R.T. -0.05 min

Lab File: VV011974.D

Acq: 23 Jul 2019 19:34

Tgt Ion: 43 Resp: 12763

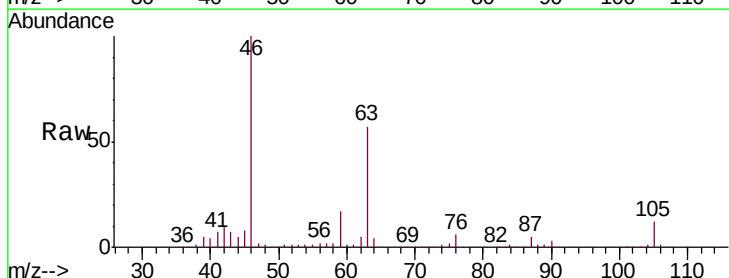
Ion Ratio Lower Upper

43 100

58 28.0 43.7 65.5#

57 26.7 16.0 24.0#

100 0.2 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

8.13

10000

8000

6000

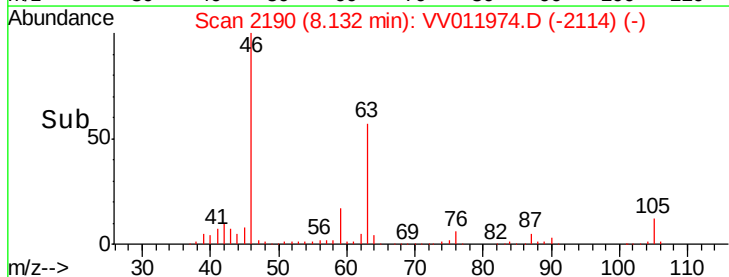
4000

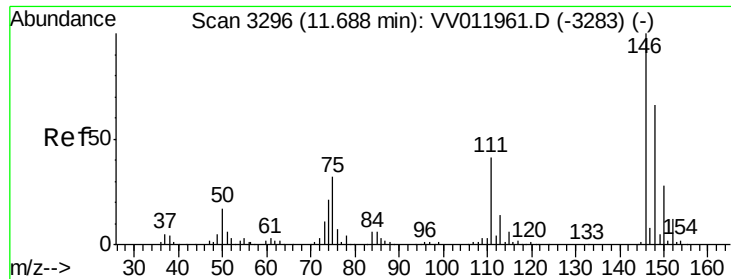
2000

0

8.05 8.10 8.15 8.20 8.25

Time-->





#65

1,2-Dichlorobenzene

Concen: 0.104 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV011974.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_V

ClientSampleId :

A52J6

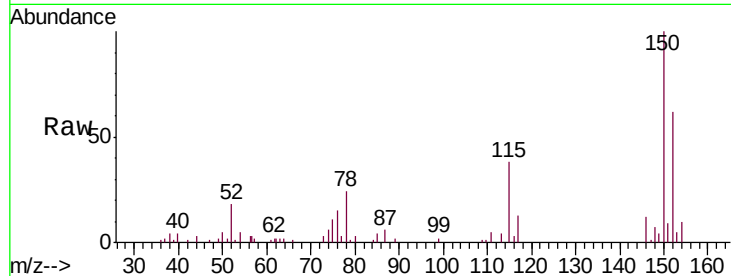
Tgt Ion:146 Resp: 2010

Ion Ratio Lower Upper

146 100

111 45.1 32.5 48.7

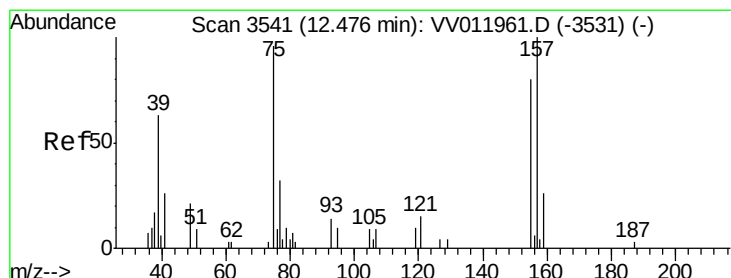
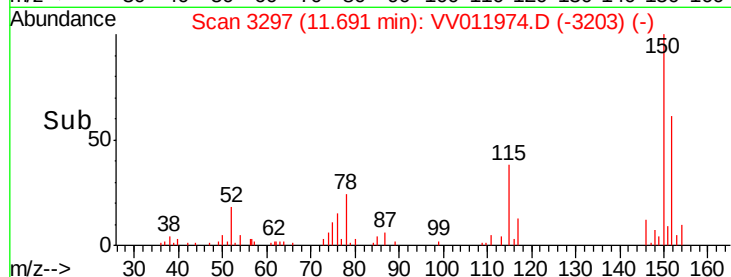
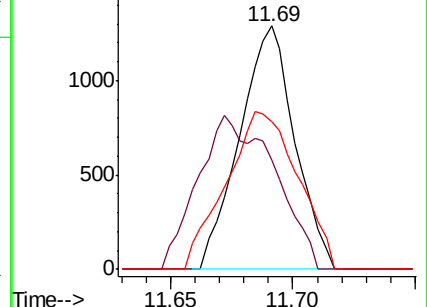
148 60.8 51.4 77.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 2.208 ug/L

RT: 12.44 min Scan# 3531

Delta R.T. -0.03 min

Lab File: VV011974.D

Acq: 23 Jul 2019 19:34

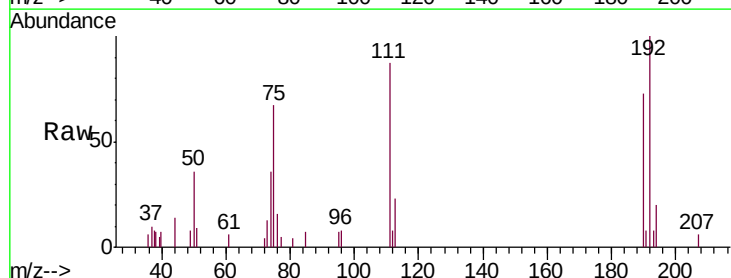
Tgt Ion: 75 Resp: 2489

Ion Ratio Lower Upper

75 100

155 0.0 69.5 104.3#

157 0.0 96.2 144.2#



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

