

Data File : VV011964.D
Acq On : 23 Jul 2019 14:52
Operator : SY/MD
Sample : K3890-02DL 5X
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A52Q8DL

Quant Time: Jul 24 05:56:00 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	5.66	114	129620	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	125868	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	66700	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	40716	6.04	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	120.80%
7) Chloroethane-d5	1.56	69	28480	5.37	ug/L	-0.03
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.40%
11) 1,1-Dichloroethene-d2	2.13	63	59811	4.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.20%
20) 2-Butanone-d5	3.93	46	109671	55.69	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.38%
24) Chloroform-d	4.40	84	86817	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.08	65	51738	5.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.80%
32) Benzene-d6	5.10	84	192166	5.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.60%
36) 1,2-Dichloropropane-d6	6.12	67	54752	5.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.00%
41) Toluene-d8	7.36	98	172897	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.20%
43) trans-1,3-Dichloropropene-	7.66	79	21417	5.25	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.00%
46) 2-Hexanone-d5	8.13	63	98254	60.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.02%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	40028	5.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	74679	5.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.20%

Target Compounds

					Qvalue
5) Vinyl chloride	1.33	62	16851	2.117 ug/L	96
8) Chloroethane	1.58	64	40931	8.692 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	803	0.122 ug/L #	27
12) 1,1-Dichloroethene	2.14	96	2461	0.417 ug/L #	1
13) Acetone	2.19	43	3050	2.873 ug/L	94
15) Methyl Acetate	2.45	43	3924	1.693 ug/L	91
16) Methylene chloride	2.53	84	1514	0.229 ug/L	96
19) 1,1-Dichloroethane	3.23	63	135306	8.339 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	9666	0.979 ug/L	91
25) Chloroform	4.43	83	11163	0.570 ug/L	94
29) 1,1,1-Trichloroethane	4.66	97	78718	4.886 ug/L	100
31) Carbon tetrachloride	4.66	117	9732	0.671 ug/L	96
34) Trichloroethene	5.96	95	2954	0.287 ug/L	90
37) 1,2-Dichloropropane	6.12	63	6616	0.743 ug/L #	84
42) Toluene	7.43	91	232968	5.862 ug/L	97
44) trans-1,3-Dichloropropene	7.67	75	866	0.083 ug/L #	75
48) 2-Hexanone	8.14	43	11576	3.318 ug/L #	68

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072319\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 24 05:52:52 2019
Response via : Initial Calibration

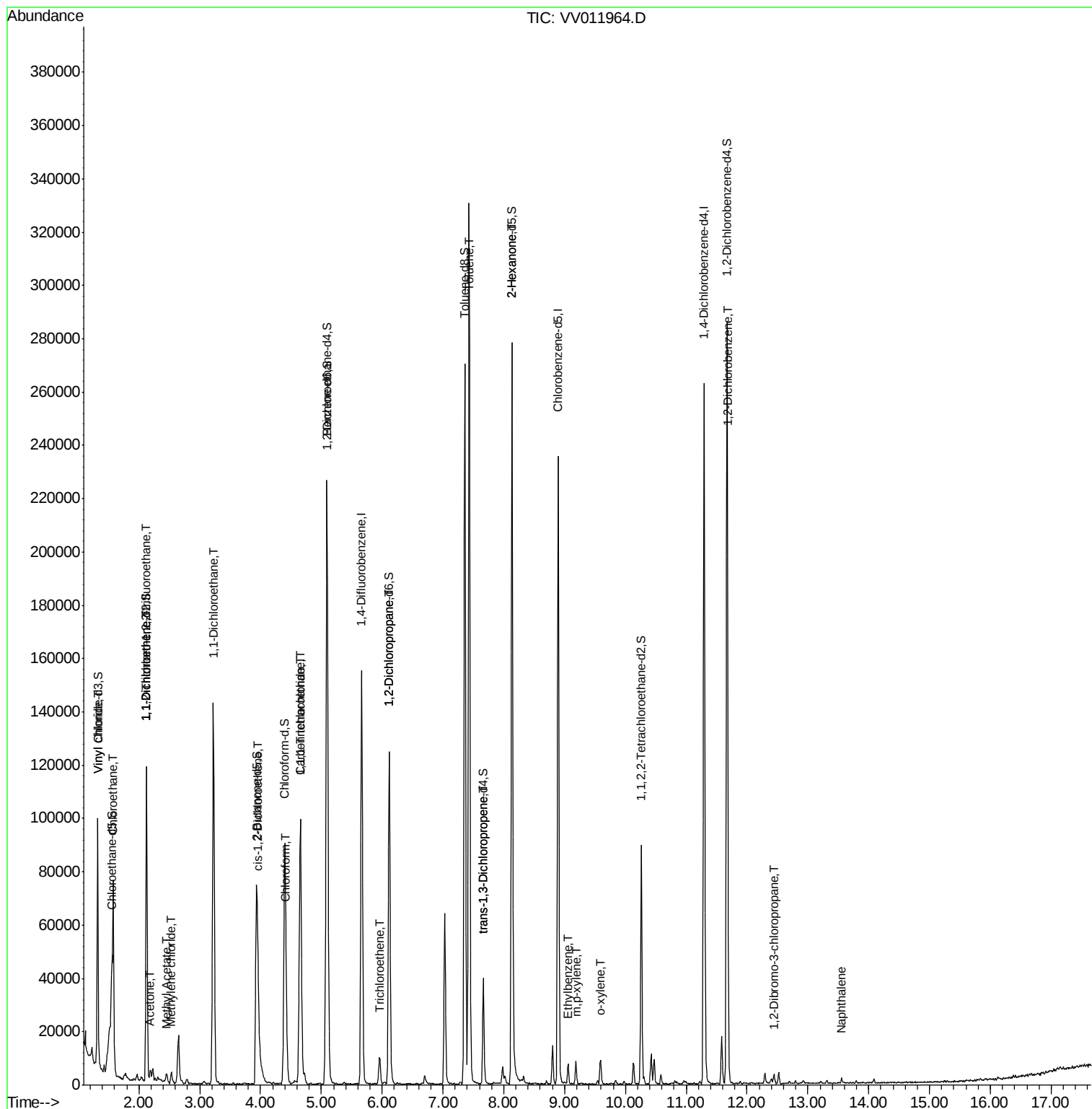
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Ethylbenzene	9.05	91	5429	0.120	ug/L	95
53) m,p-xylene	9.18	106	2366	0.137	ug/L	83
54) o-xylene	9.59	106	2574	0.157	ug/L	80
65) 1,2-Dichlorobenzene	11.69	146	2015	0.100	ug/L #	84
66) 1,2-Dibromo-3-chloropropan	12.44	75	700	0.600	ug/L #	1
69) Naphthalene	13.55	128	1899	0.085	ug/L #	89

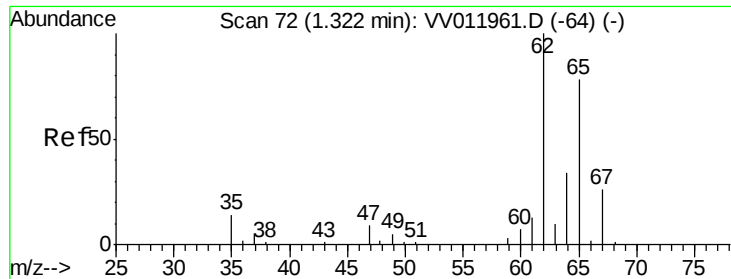
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 2.117 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV011964.D

Acq: 23 Jul 2019 14:52

Instrument :

MSVOA_V

ClientSampleId :

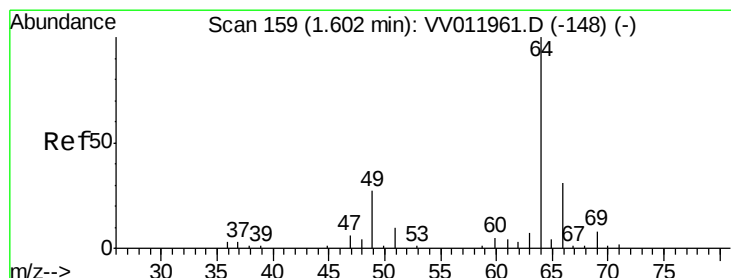
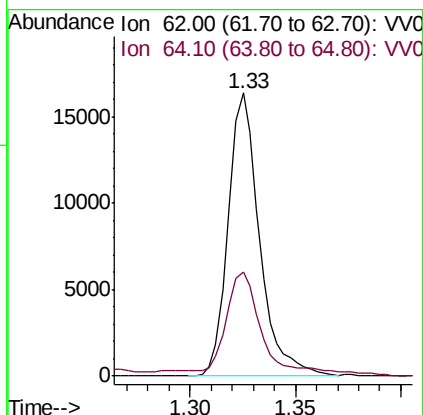
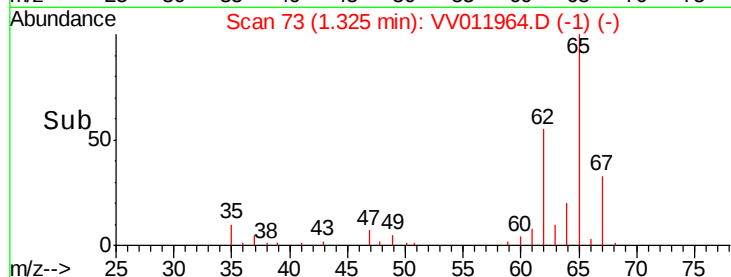
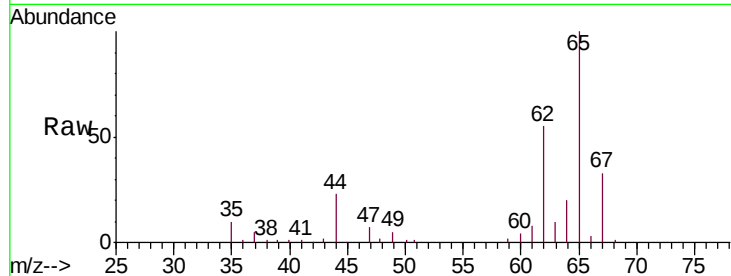
A52Q8DL

Tgt Ion: 62 Resp: 16851

Ion Ratio Lower Upper

62 100

64 37.0 24.3 45.1



#8

Chloroethane

Concen: 8.692 ug/L

RT: 1.58 min Scan# 151

Delta R.T. -0.03 min

Lab File: VV011964.D

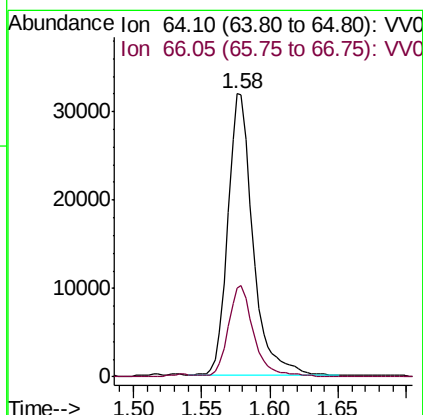
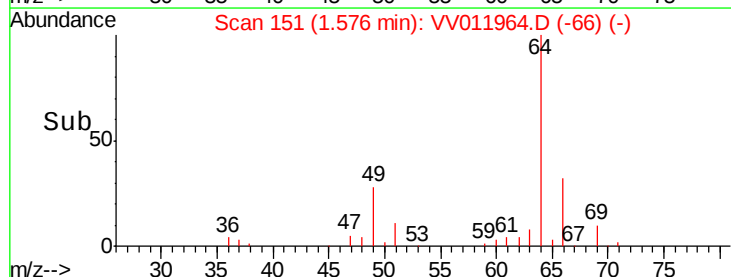
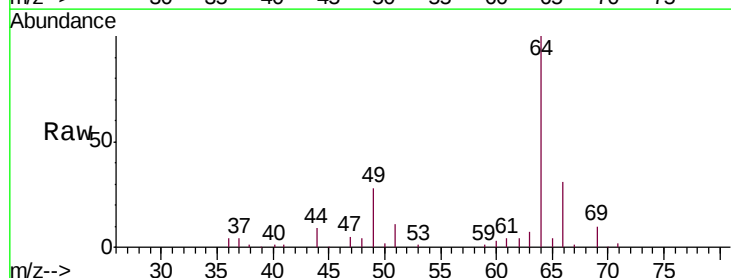
Acq: 23 Jul 2019 14:52

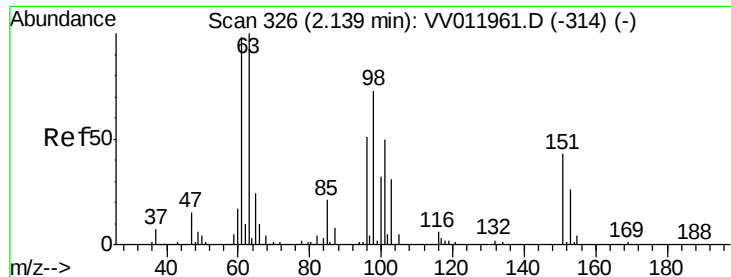
Tgt Ion: 64 Resp: 40931

Ion Ratio Lower Upper

64 100

66 31.5 21.8 40.6





#10

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

Concen: 0.122 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV011964.D

Acq: 23 Jul 2019 14:52

Instrument :

MSVOA_V

ClientSampleId :

A52Q8DL

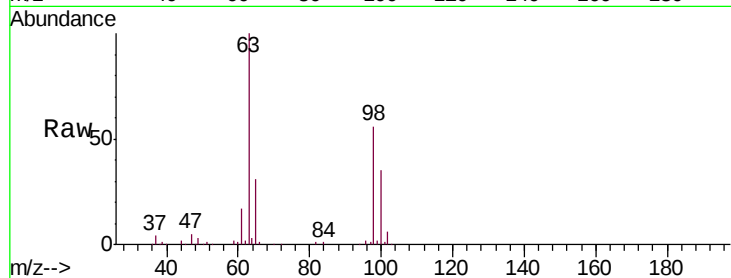
Tgt Ion: 101 Resp: 803

Ion Ratio Lower Upper

101 100

85 5.1 37.0 55.6#

151 13.2 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

2.13

400

300

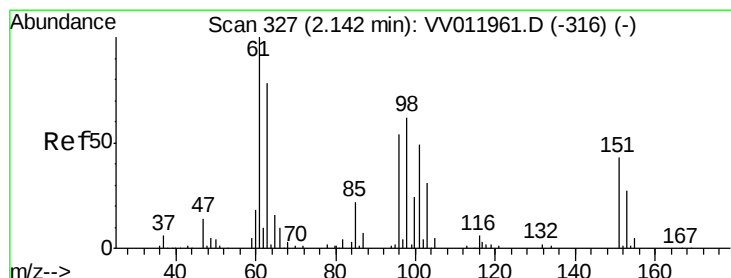
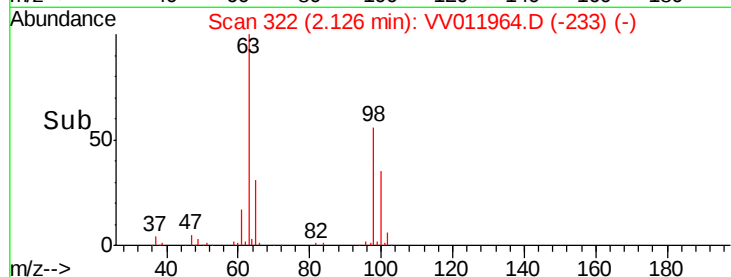
200

100

0

2.08 2.10 2.12 2.14 2.16

Time-->



#12

1,1-Dichloroethene

Concen: 0.417 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VV011964.D

Acq: 23 Jul 2019 14:52

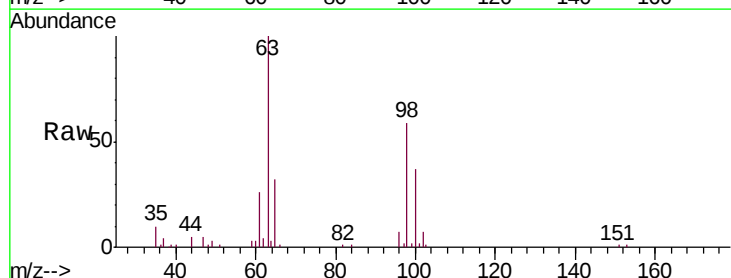
Tgt Ion: 96 Resp: 2461

Ion Ratio Lower Upper

96 100

61 394.4 132.7 246.5#

63 1522.4 104.0 193.1#



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

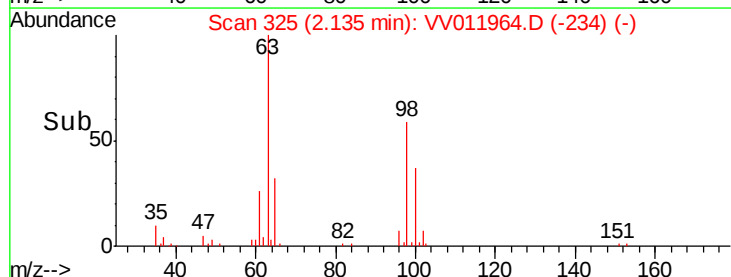
20000

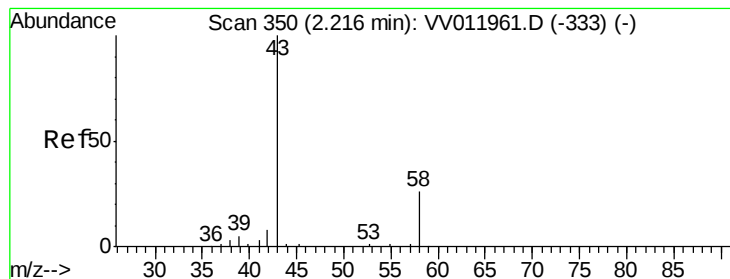
10000

0

2.10 2.15

Time-->





#13

Acetone

Concen: 2.873 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.03 min

Lab File: VV011964.D

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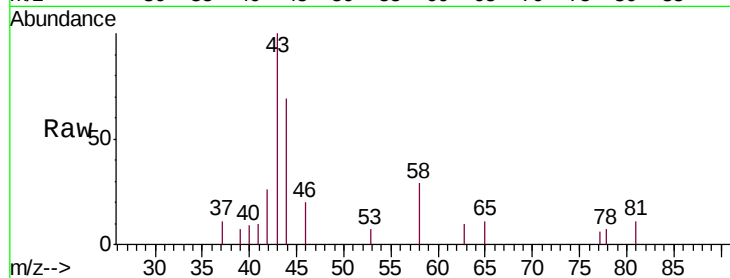
A52Q8DL

Tgt Ion: 43 Resp: 3050

Ion Ratio Lower Upper

43 100

58 29.0 0.0 51.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.19

1500

1000

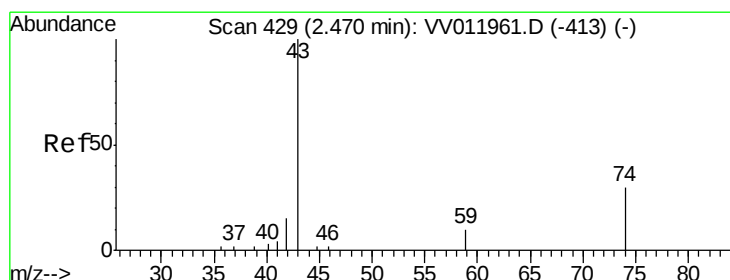
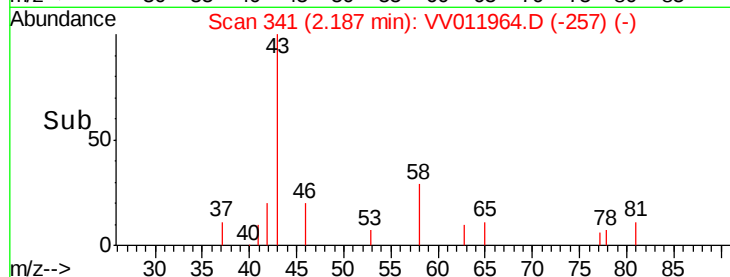
500

0

Time-->

2.15

2.20



#15

Methyl Acetate

Concen: 1.693 ug/L

RT: 2.45 min Scan# 424

Delta R.T. -0.02 min

Lab File: VV011964.D

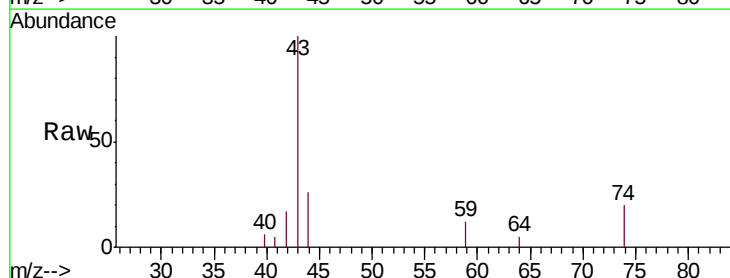
Acq: 23 Jul 2019 14:52

Tgt Ion: 43 Resp: 3924

Ion Ratio Lower Upper

43 100

74 24.7 23.4 35.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.45

2500

2000

1500

1000

500

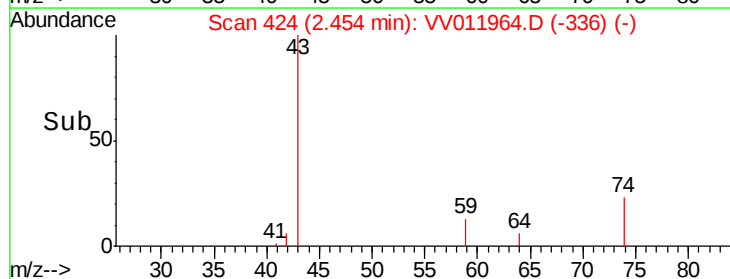
0

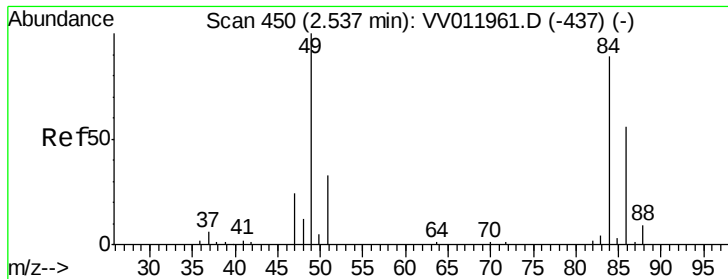
Time-->

2.40

2.45

2.50

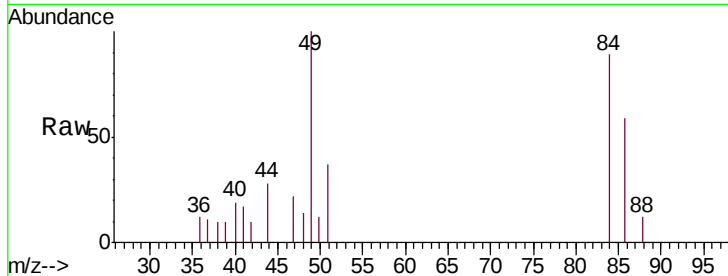




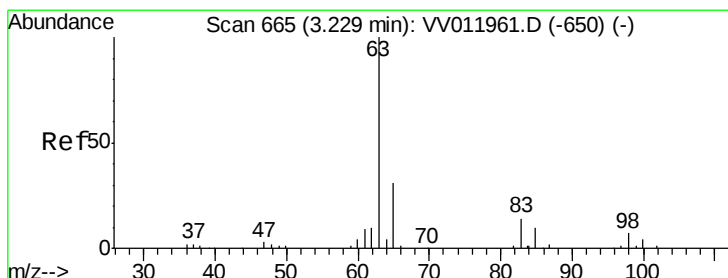
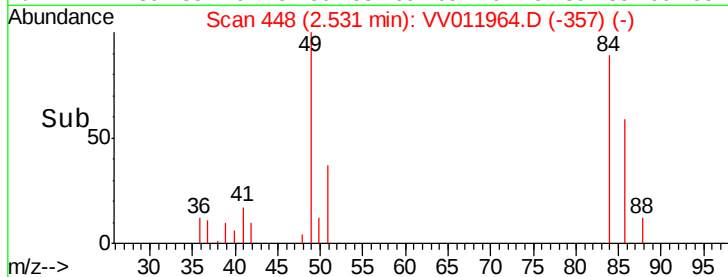
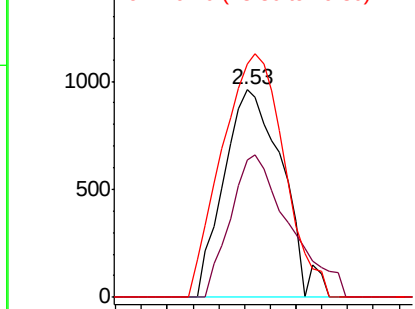
#16
Methylene chloride
Concen: 0.229 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.01 min
Lab File: VV011964.D
Acq: 23 Jul 2019 14:52

Instrument :
MSVOA_V
ClientSampleId :
A52Q8DL

Tgt Ion: 84 Resp: 1514
Ion Ratio Lower Upper
84 100
86 66.1 47.6 88.4
49 125.8 84.3 156.5

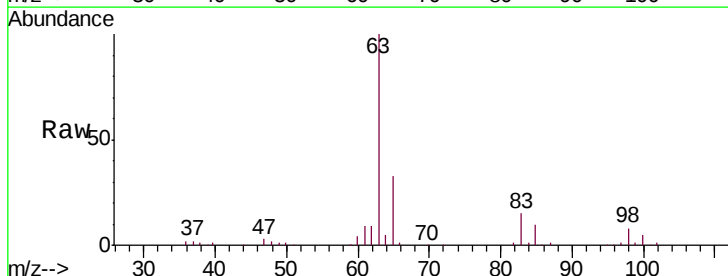


Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

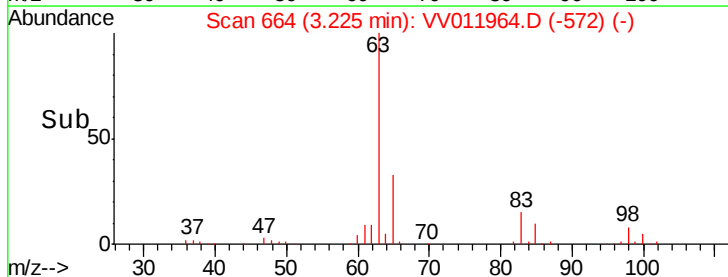
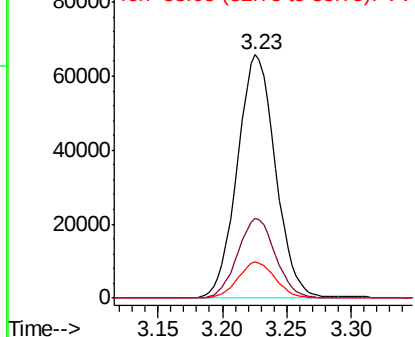


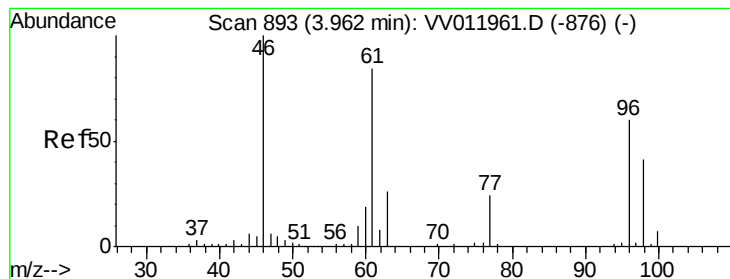
#19
1,1-Dichloroethane
Concen: 8.339 ug/L
RT: 3.23 min Scan# 664
Delta R.T. -0.00 min
Lab File: VV011964.D
Acq: 23 Jul 2019 14:52

Tgt Ion: 63 Resp: 135306
Ion Ratio Lower Upper
63 100
65 32.6 23.5 43.7
83 15.0 9.7 18.1



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



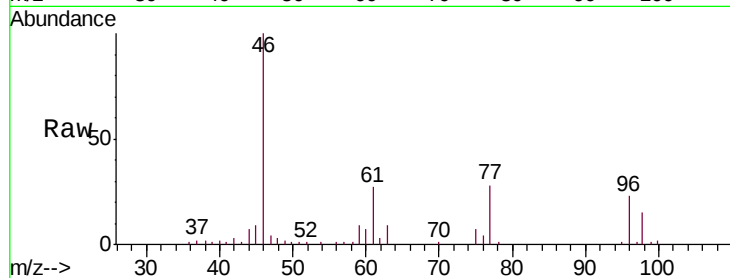


#22

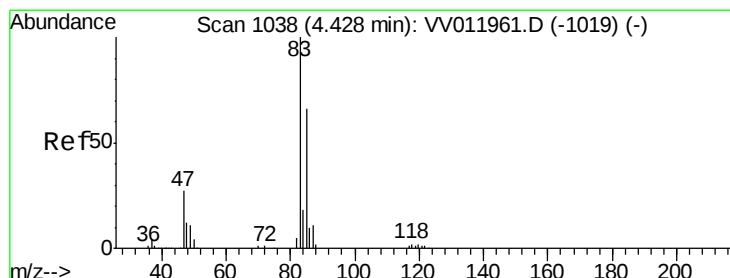
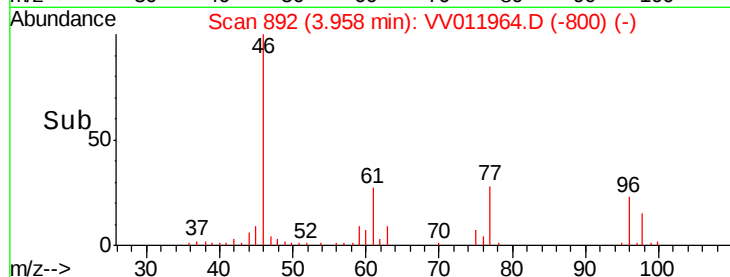
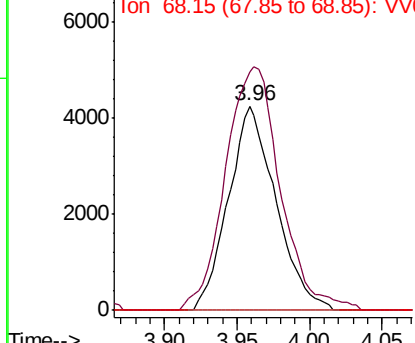
cis-1,2-Dichloroethene
 Concen: 0.979 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV011964.D
 Acq: 23 Jul 2019 14:52

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Tgt Ion: 96 Resp: 9666
 Ion Ratio Lower Upper
 96 100
 61 116.7 89.0 165.2
 68 0.0 0.0 0.0



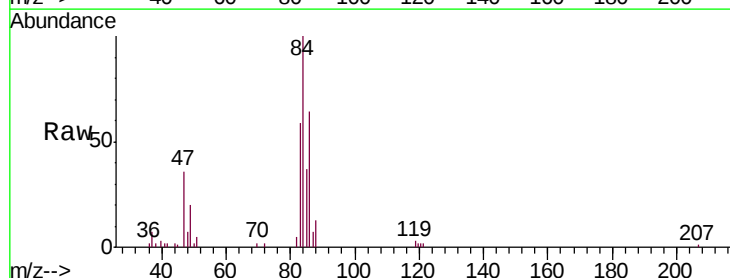
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



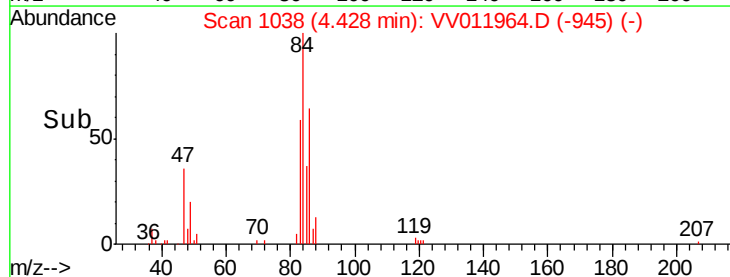
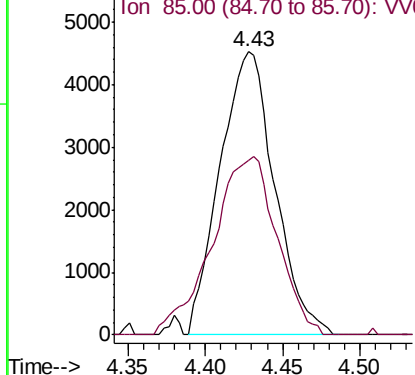
#25

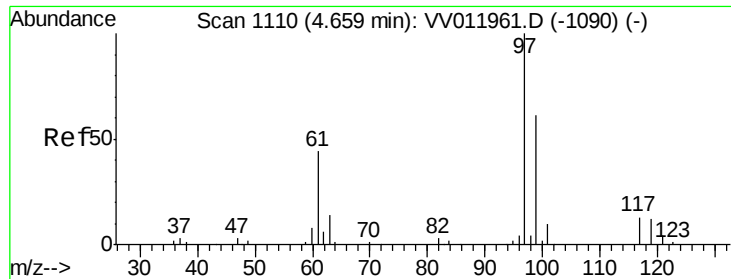
Chloroform
 Concen: 0.570 ug/L
 RT: 4.43 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: VV011964.D
 Acq: 23 Jul 2019 14:52

Tgt Ion: 83 Resp: 11163
 Ion Ratio Lower Upper
 83 100
 85 61.5 46.5 86.3



Abundance Ion 83.05 (82.75 to 83.75): VV0
 Ion 85.00 (84.70 to 85.70): VV0

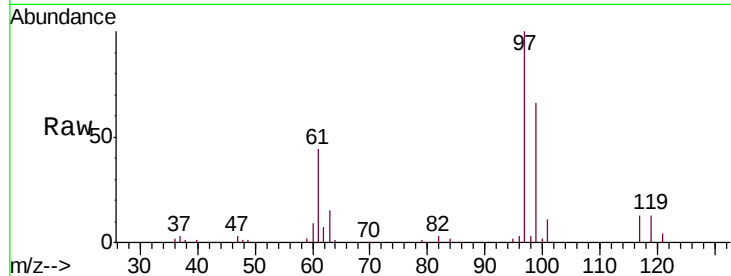




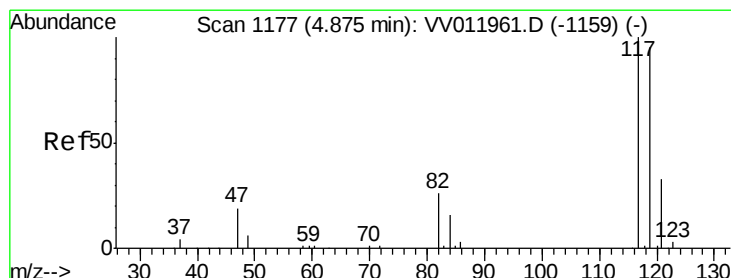
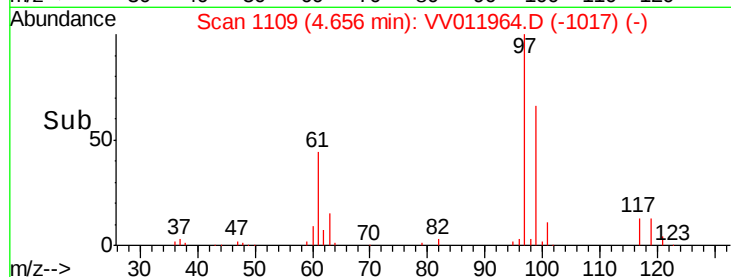
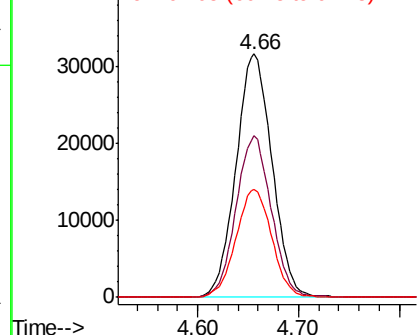
#29
 1,1,1-Trichloroethane
 Concen: 4.886 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VV011964.D
 Acq: 23 Jul 2019 14:52

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Tgt Ion: 97 Resp: 78718
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.7 77.5
 61 43.6 35.1 52.7

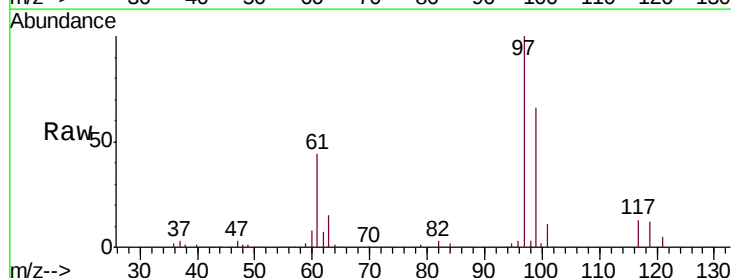


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

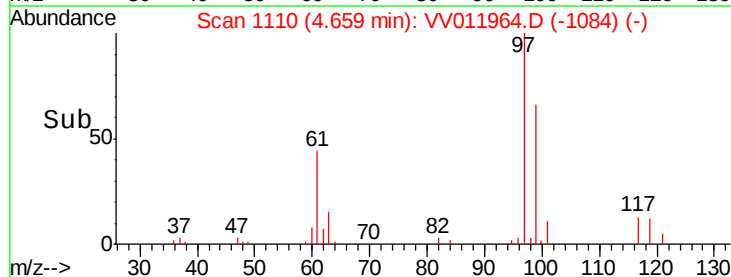
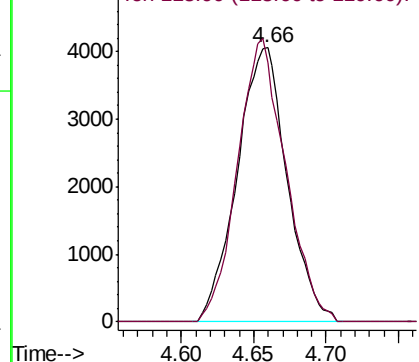


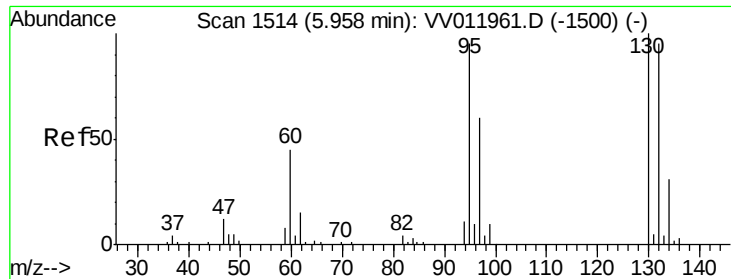
#31
 Carbon tetrachloride
 Concen: 0.671 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. -0.22 min
 Lab File: VV011964.D
 Acq: 23 Jul 2019 14:52

Tgt Ion: 117 Resp: 9732
 Ion Ratio Lower Upper
 117 100
 119 99.2 76.4 114.6



Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 118.90 (118.60 to 119.60): V

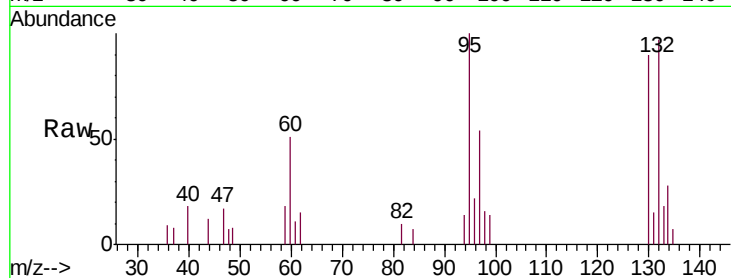




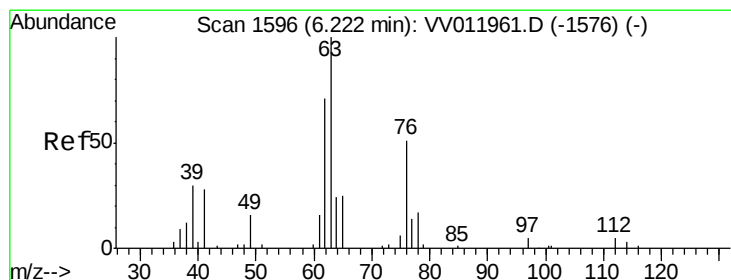
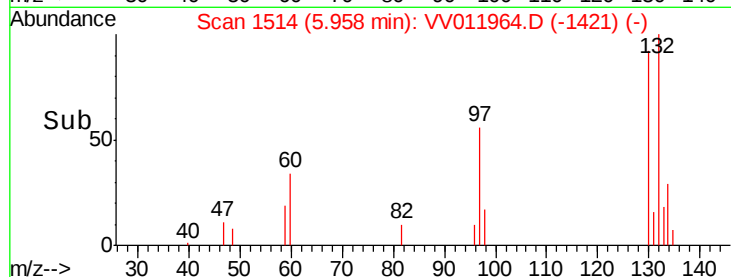
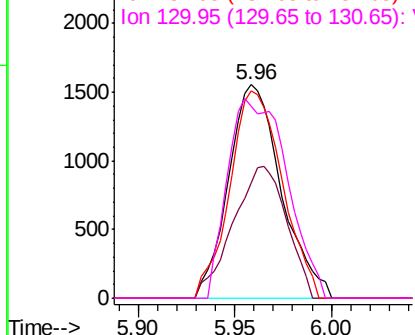
#34
 Trichloroethene
 Concen: 0.287 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV011964.D
 Acq: 23 Jul 2019 14:52

Instrument :
 MSVOA_V
 ClientSampleId :
 A52Q8DL

Tgt Ion: 95 Resp: 2954
 Ion Ratio Lower Upper
 95 100
 97 54.0 45.6 84.6
 132 97.2 71.3 132.3
 130 89.8 72.8 135.2

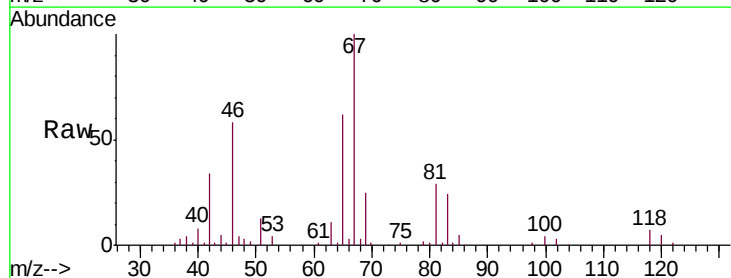


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

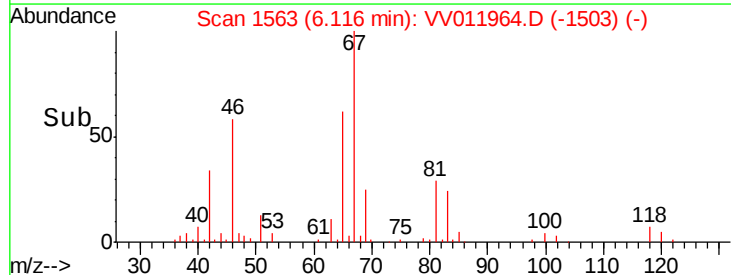
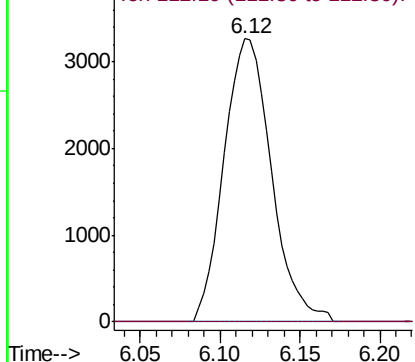


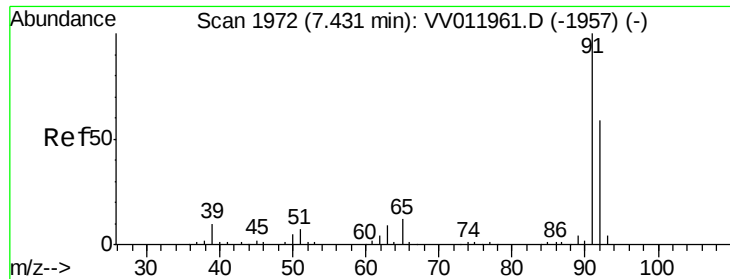
#37
 1,2-Dichloropropane
 Concen: 0.743 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.11 min
 Lab File: VV011964.D
 Acq: 23 Jul 2019 14:52

Tgt Ion: 63 Resp: 6616
 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





#42

Toluene

Concen: 5.862 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV011964.D

Acq: 23 Jul 2019 14:52

Instrument :

MSVOA_V

ClientSampleId :

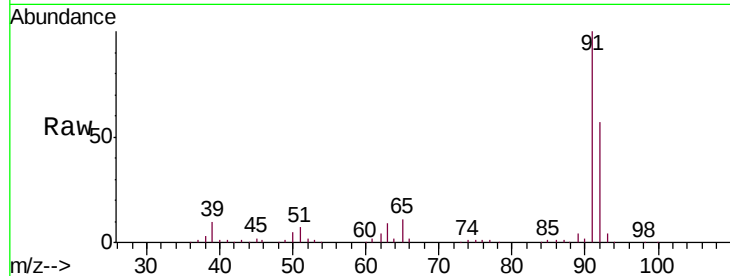
A52Q8DL

Tgt Ion: 91 Resp: 232968

Ion Ratio Lower Upper

91 100

92 57.4 41.9 77.9



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

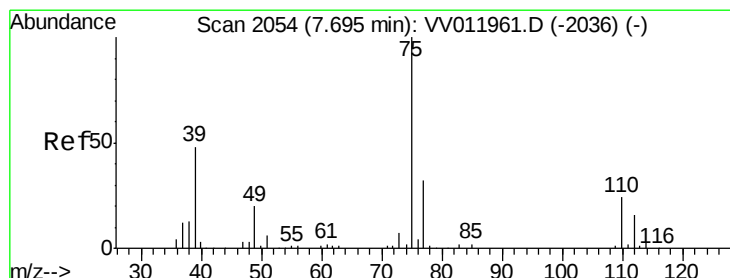
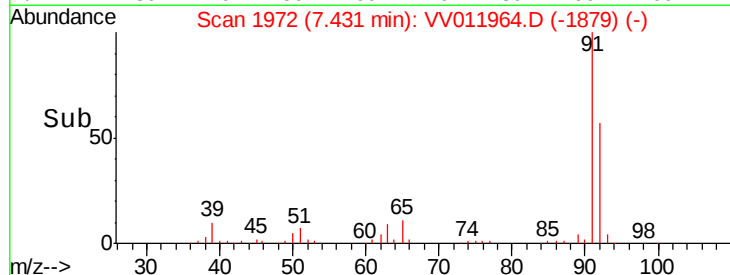
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.083 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV011964.D

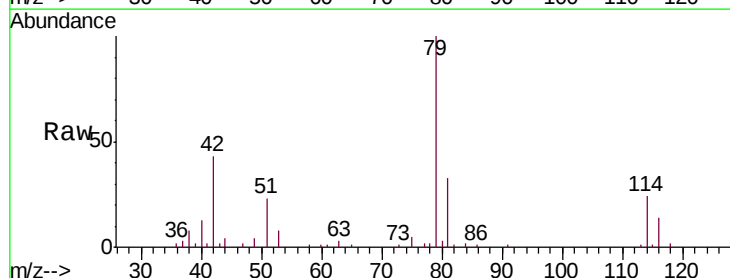
Acq: 23 Jul 2019 14:52

Tgt Ion: 75 Resp: 866

Ion Ratio Lower Upper

75 100

77 45.0 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

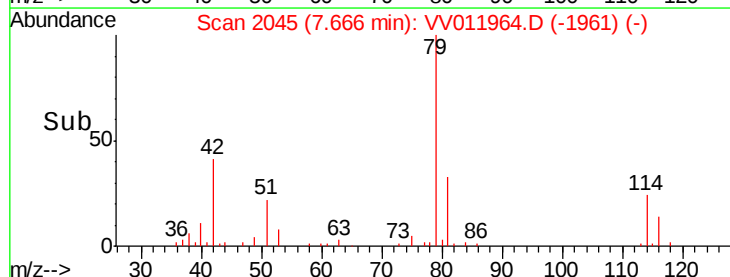
600

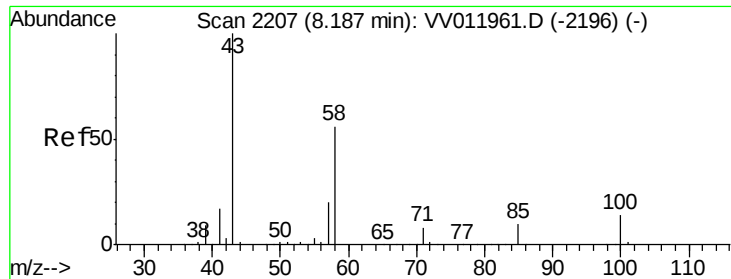
400

200

0

Time-->

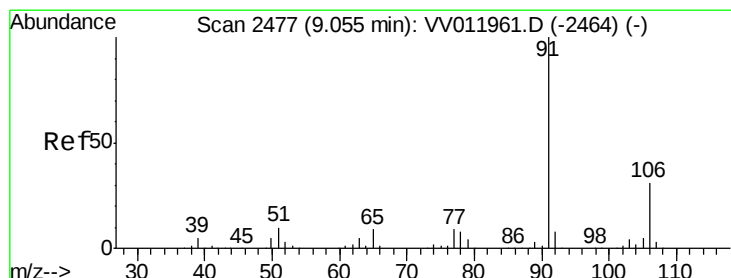
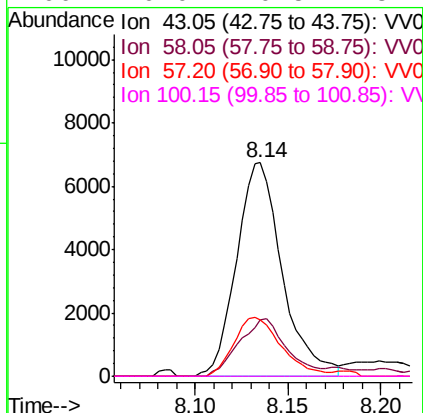
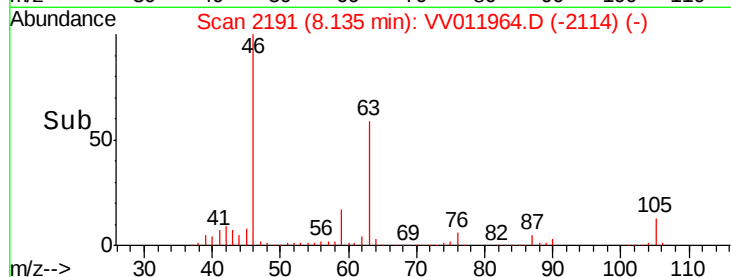
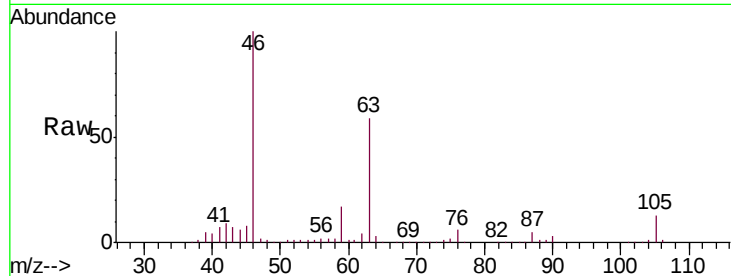




#48
2-Hexanone
Concen: 3.318 ug/L
RT: 8.14 min Scan# 2191
Delta R.T. -0.05 min
Lab File: VV011964.D
Acq: 23 Jul 2019 14:52

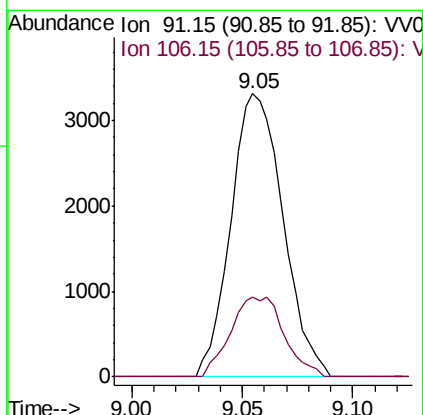
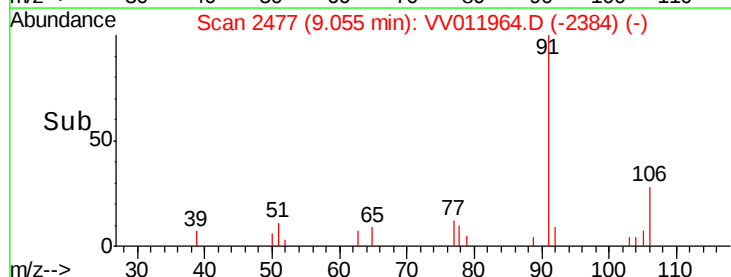
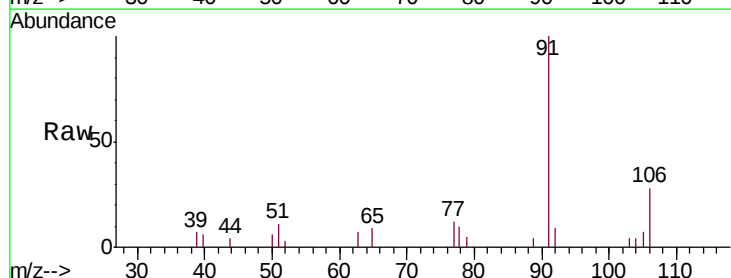
Instrument :
MSVOA_V
ClientSampleId :
A52Q8DL

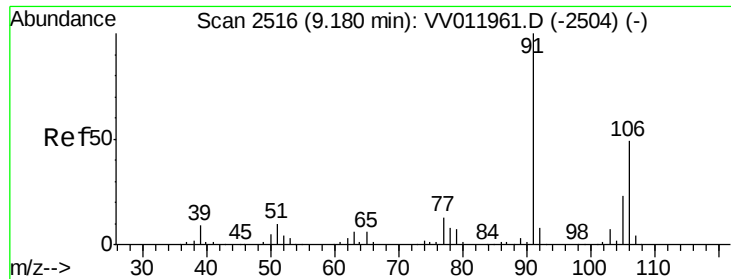
Tgt Ion: 43 Resp: 11576
Ion Ratio Lower Upper
43 100
58 28.3 43.7 65.5#
57 28.7 16.0 24.0#
100 0.0 10.5 15.7#



#52
Ethylbenzene
Concen: 0.120 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. -0.00 min
Lab File: VV011964.D
Acq: 23 Jul 2019 14:52

Tgt Ion: 91 Resp: 5429
Ion Ratio Lower Upper
91 100
106 28.1 21.6 40.0

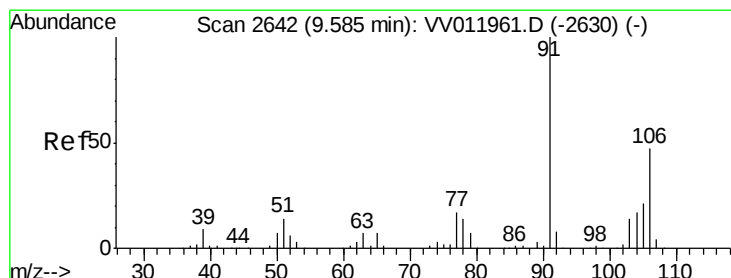
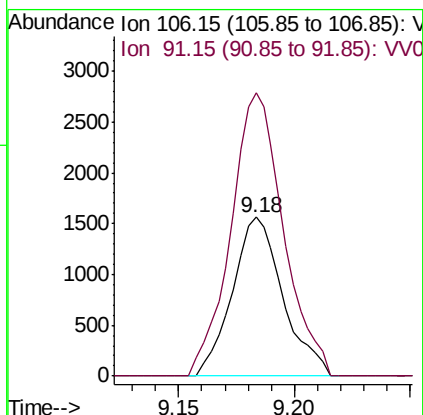
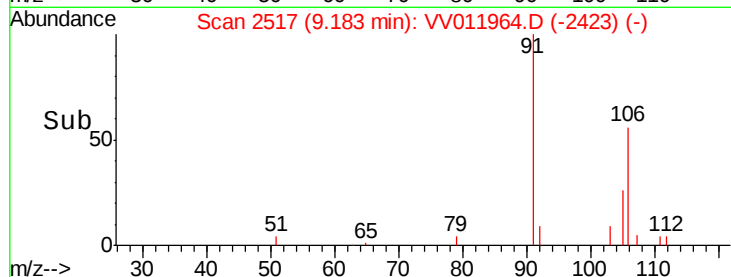
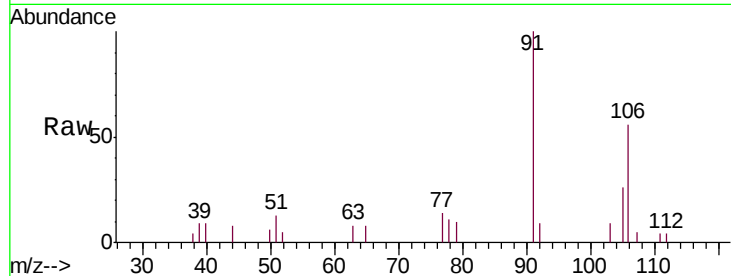




#53
m,p-xylene
Concen: 0.137 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. 0.00 min
Lab File: VV011964.D
Acq: 23 Jul 2019 14:52

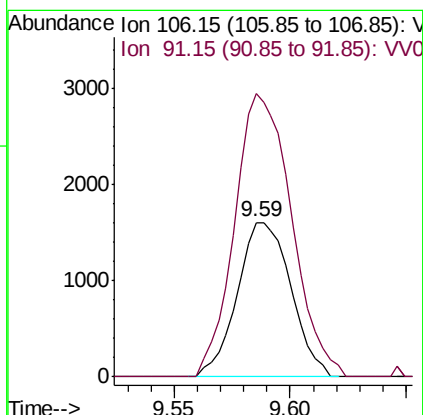
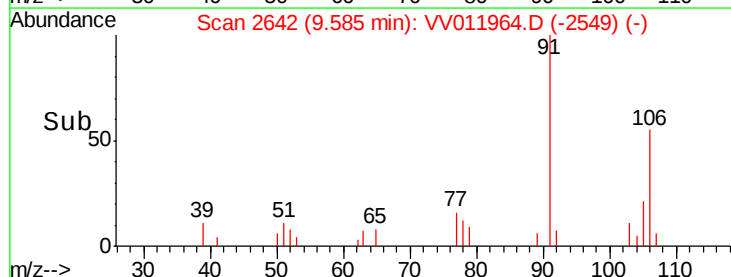
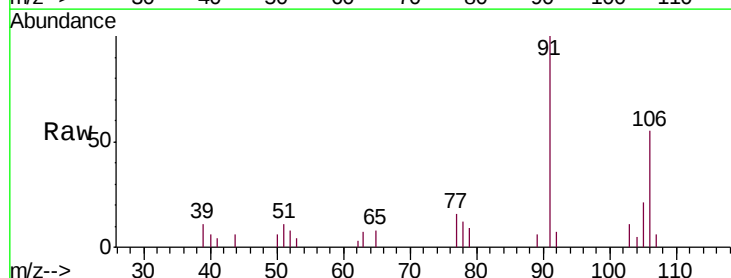
Instrument :
MSVOA_V
ClientSampled :
A52Q8DL

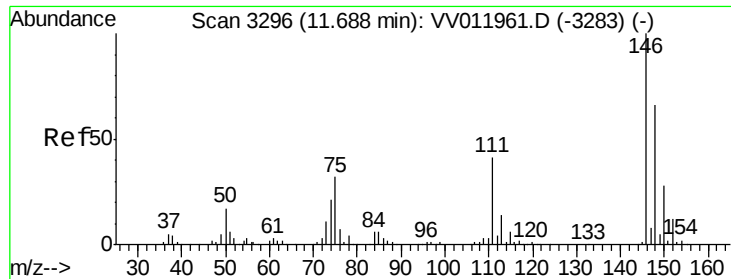
Tgt Ion:106 Resp: 2366
Ion Ratio Lower Upper
106 100
91 177.9 142.7 265.1



#54
o-xylene
Concen: 0.157 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV011964.D
Acq: 23 Jul 2019 14:52

Tgt Ion:106 Resp: 2574
Ion Ratio Lower Upper
106 100
91 183.3 151.0 280.4





#65

1,2-Dichlorobenzene

Concen: 0.100 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV011964.D

Acq: 23 Jul 2019 14:52

Instrument :

MSVOA_V

ClientSampleId :

A52Q8DL

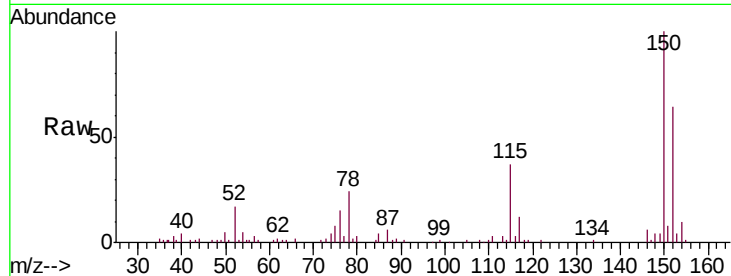
Tgt Ion: 146 Resp: 2015

Ion Ratio Lower Upper

146 100

111 56.4 32.5 48.7#

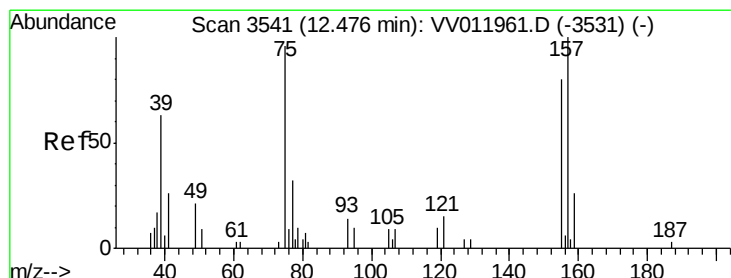
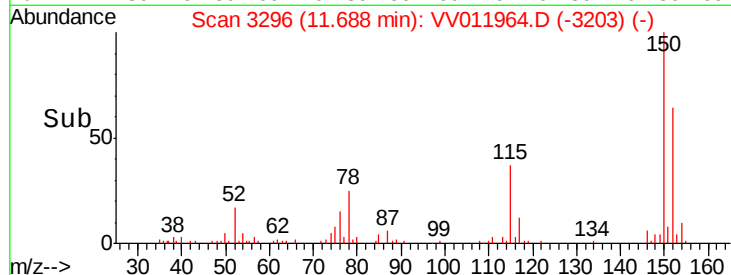
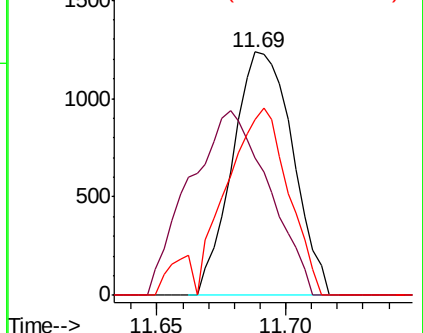
148 72.4 51.4 77.0



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: 0.600 ug/L

RT: 12.44 min Scan# 3531

Delta R.T. -0.03 min

Lab File: VV011964.D

Acq: 23 Jul 2019 14:52

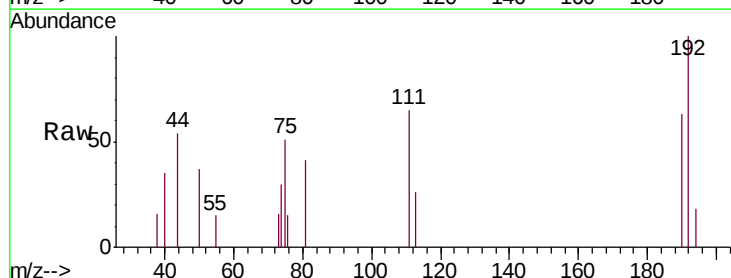
Tgt Ion: 75 Resp: 700

Ion Ratio Lower Upper

75 100

155 0.0 69.5 104.3#

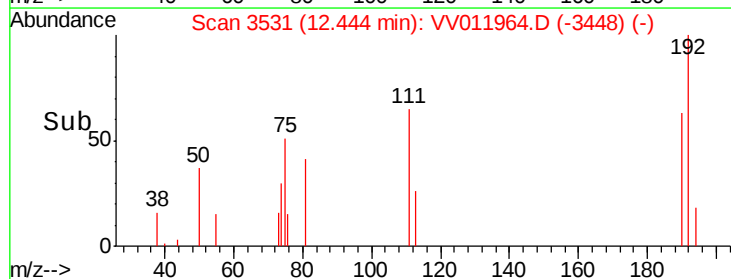
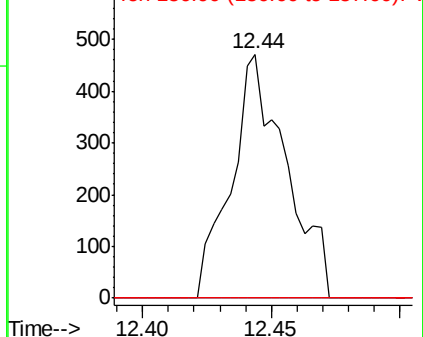
157 0.0 96.2 144.2#

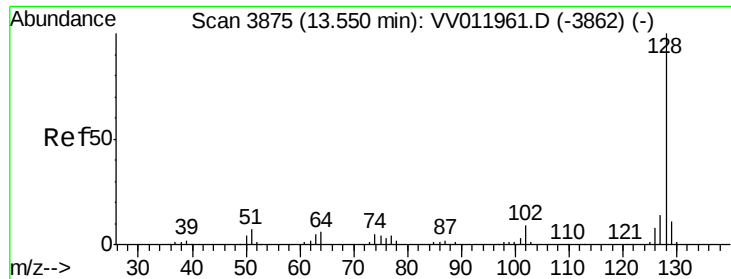


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





#69

Naphthalene

Concen: 0.085 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV011964.D

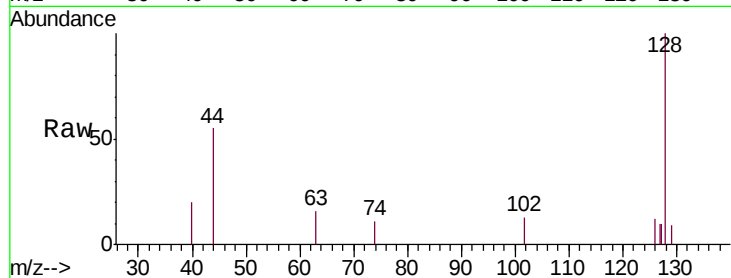
Acq: 23 Jul 2019 14:52

Instrument :

MSVOA_V

ClientSampleId :

A52Q8DL



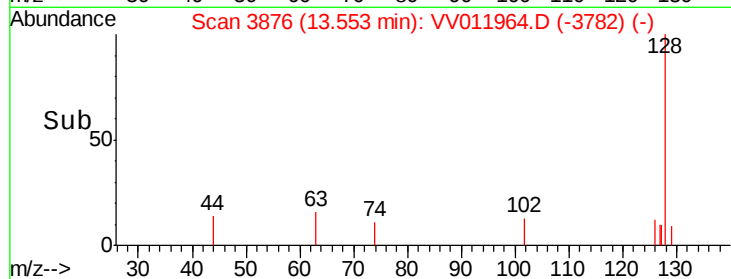
Tgt Ion:128 Resp: 1899

Ion Ratio Lower Upper

128 100

129 6.9 8.2 12.2#

127 8.2 10.8 16.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

