

Data File : VV012300.D
Acq On : 20 Aug 2019 01:54
Operator : SY/MD
Sample : K4373-19
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AF8

Quant Time: Aug 20 02:41:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Aug 20 02:35:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	249258	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	227857	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	128039	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	66506	5.22	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.40%
7) Chloroethane-d5	1.58	69	49386	5.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.20%
11) 1,1-Dichloroethene-d2	2.13	63	75567	3.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.40%
20) 2-Butanone-d5	3.96	46	192591	56.08	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.16%
24) Chloroform-d	4.40	84	144780	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.00%
26) 1,2-Dichloroethane-d4	5.08	65	73867	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.20%
32) Benzene-d6	5.10	84	296192	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
36) 1,2-Dichloropropane-d6	6.12	67	90052	5.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.60%
41) Toluene-d8	7.36	98	263497	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
43) trans-1,3-Dichloropropene-	7.66	79	34154	4.67	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.40%
46) 2-Hexanone-d5	8.14	63	165080	71.47	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	142.94%#
57) 1,1,2,2-Tetrachloroethane-	10.26	84	69798	5.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	104226	4.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	81.00%

Target Compounds

						Qvalue
3) Chloromethane	1.25	50	1602	0.103	ug/L #	81
12) 1,1-Dichloroethene	2.13	96	822	0.072	ug/L #	1
13) Acetone	2.22	43	8637	4.808	ug/L #	1
14) Carbon disulfide	2.32	76	5798	0.183	ug/L #	93
15) Methyl Acetate	2.46	43	4756	1.335	ug/L #	79
27) 1,2-Dichloroethane	5.14	62	49277	2.406	ug/L #	74
30) Cyclohexane	4.71	56	3807	0.167	ug/L #	84
33) Benzene	5.14	78	5835870	92.594	ug/L	100
35) Methylcyclohexane	6.17	83	8072	0.292	ug/L #	87
37) 1,2-Dichloropropane	6.12	63	9990	0.677	ug/L #	81
39) cis-1,3-Dichloropropene	7.03	75	2532	0.108	ug/L #	63
42) Toluene	7.43	91	6854710	98.260	ug/L	98
44) trans-1,3-Dichloropropene	7.43	75	46897	2.509	ug/L #	1
45) 1,1,2-Trichloroethane	7.74	97	42756	3.779	ug/L #	21
48) 2-Hexanone	8.14	43	20291	3.641	ug/L #	70
52) Ethylbenzene	9.05	91	10292980	131.873	ug/L	93
53) m,p-xylene	9.18	106	3942695	129.391	ug/L	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081919\
Quantitation Report (Not Reviewed)

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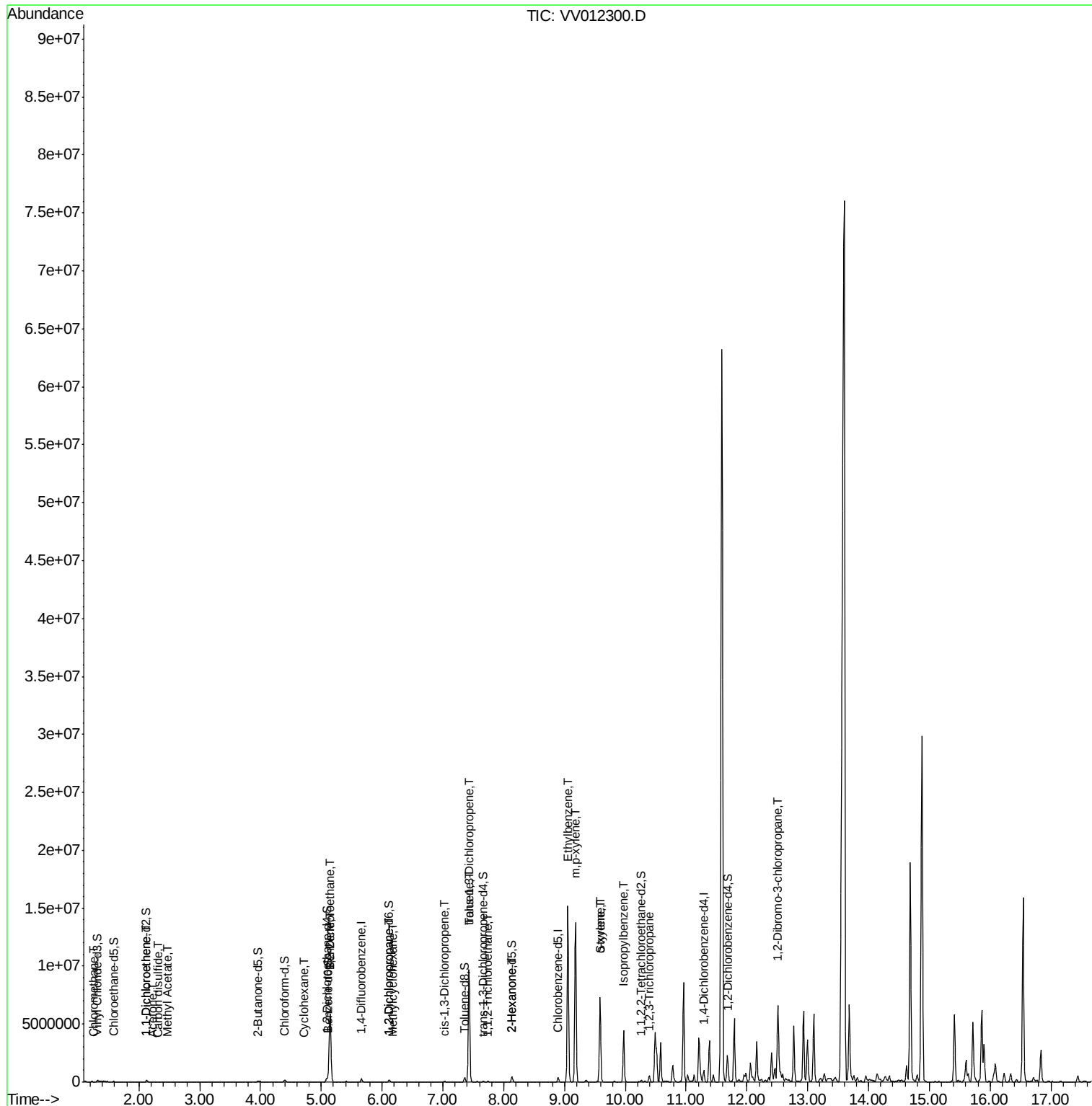
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-xylene	9.59	106	1939527	66.180	ug/L	97
55) Styrene	9.59	104	184207	3.721	ug/L #	1
56) Isopropylbenzene	9.97	105	2866242	35.432	ug/L	99
59) 1,2,3-Trichloropropane	10.40	75	2643	0.289	ug/L #	1
66) 1,2-Dibromo-3-chloropropan	12.51	75	108259	52.107	ug/L #	1

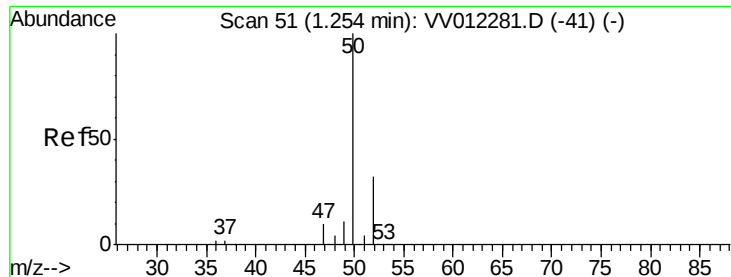
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.103 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012300.D

Acq: 20 Aug 2019 01:54

Instrument :

MSVOA_V

ClientSampleId :

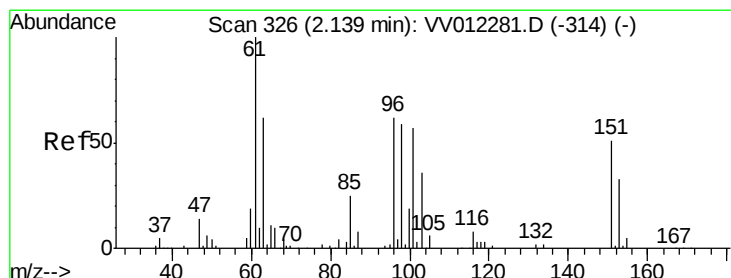
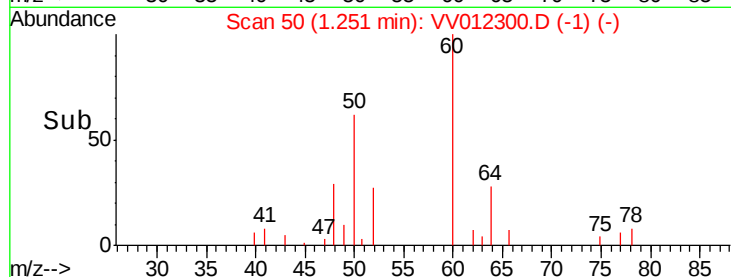
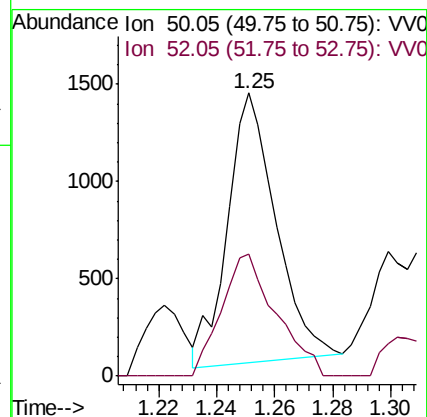
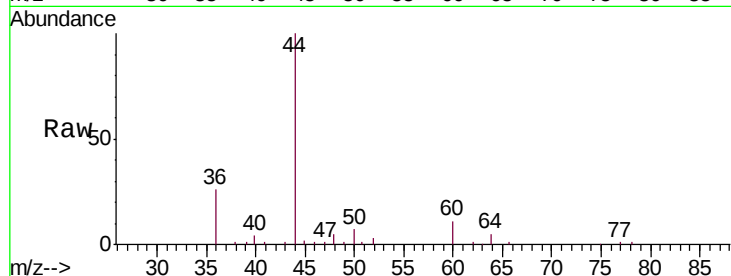
C0AF8

Tgt Ion: 50 Resp: 1602

Ion Ratio Lower Upper

50 100

52 43.1 22.6 42.0#



#12

1,1-Dichloroethene

Concen: 0.072 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV012300.D

Acq: 20 Aug 2019 01:54

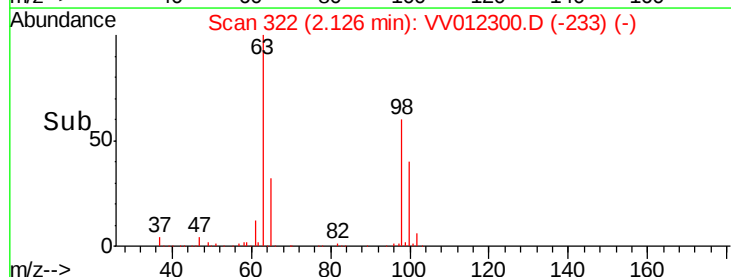
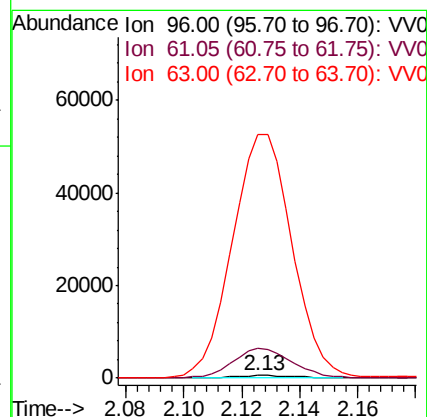
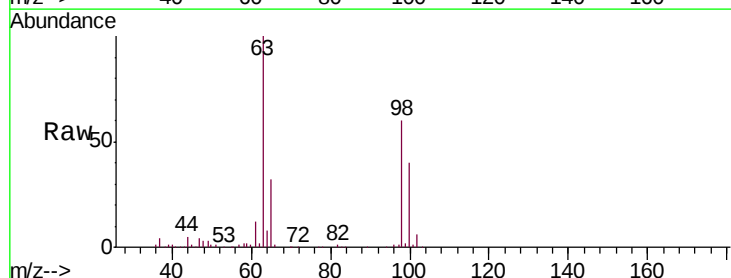
Tgt Ion: 96 Resp: 822

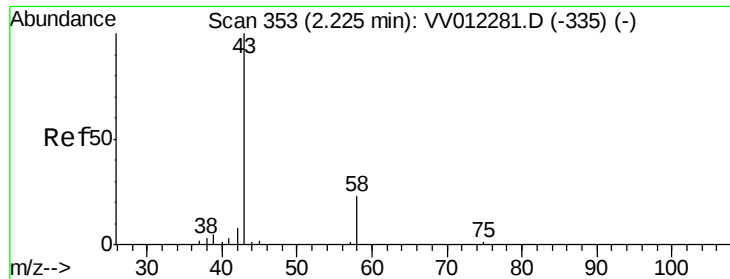
Ion Ratio Lower Upper

96 100

61 1271.7 117.7 218.7#

63 10207.4 81.1 150.5#





#13

Acetone

Concen: 4.808 ug/L

RT: 2.22 min Scan# 351

Delta R.T. -0.01 min

Lab File: VV012300.D

Acq: 20 Aug 2019 01:54

Instrument :

MSVOA_V

ClientSampleId :

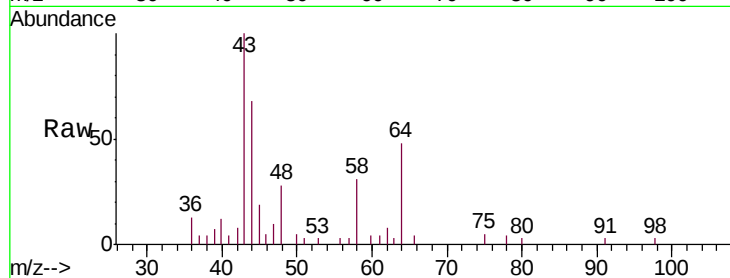
C0AF8

Tgt Ion: 43 Resp: 8637

Ion Ratio Lower Upper

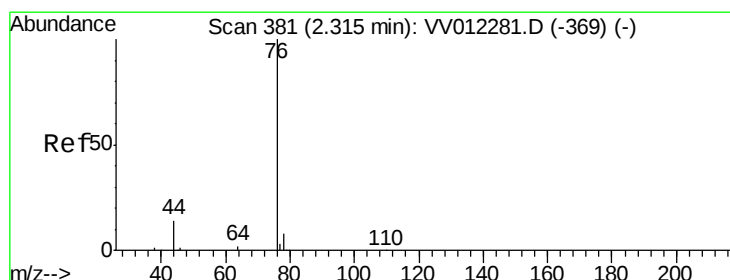
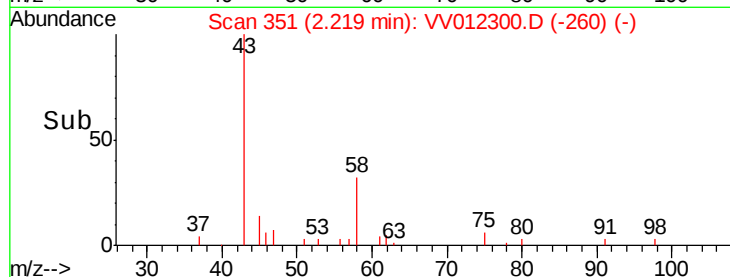
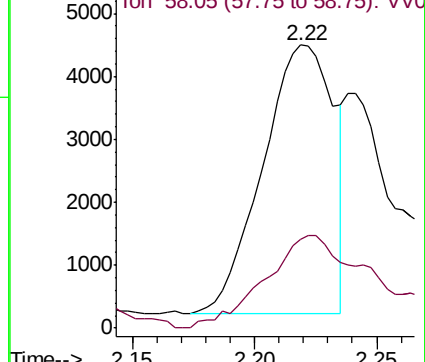
43 100

58 58.9 0.0 25.6#



Abundance Ion 43.05 (42.75 to 43.75): VV012281.D (-335) (-)

Ion 58.05 (57.75 to 58.75): VV012281.D (-335) (-)



#14

Carbon disulfide

Concen: 0.183 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV012300.D

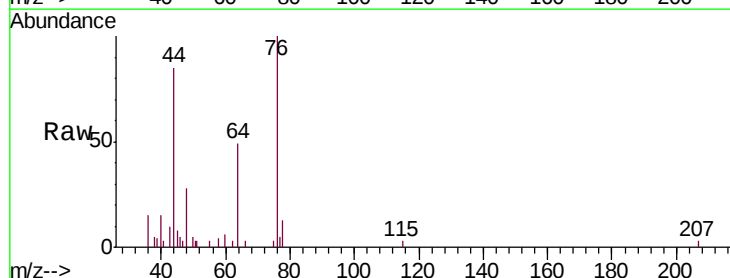
Acq: 20 Aug 2019 01:54

Tgt Ion: 76 Resp: 5798

Ion Ratio Lower Upper

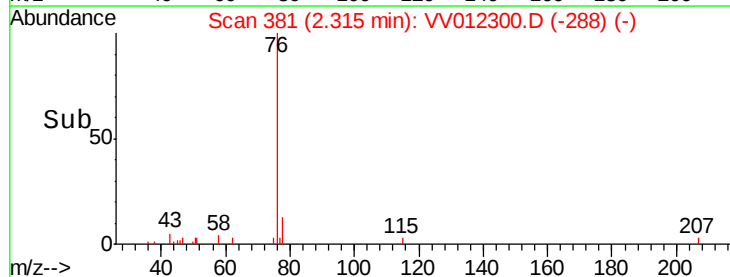
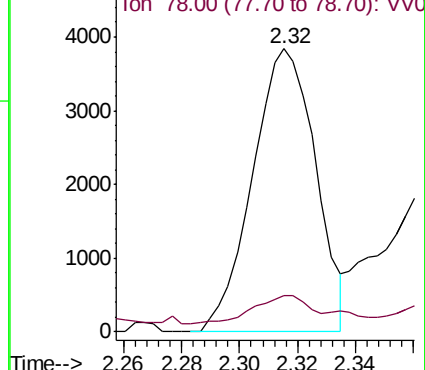
76 100

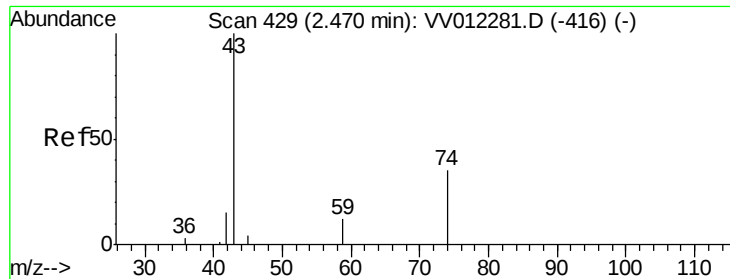
78 12.9 8.3 12.5#



Abundance Ion 76.05 (75.75 to 76.75): VV012281.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV012281.D (-369) (-)





#15

Methyl Acetate

Concen: 1.335 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.01 min

Lab File: VV012300.D

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ClientSampleId :

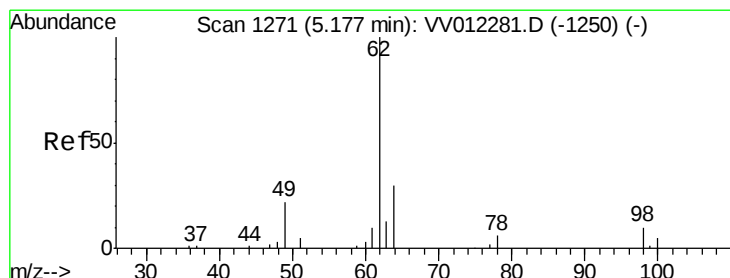
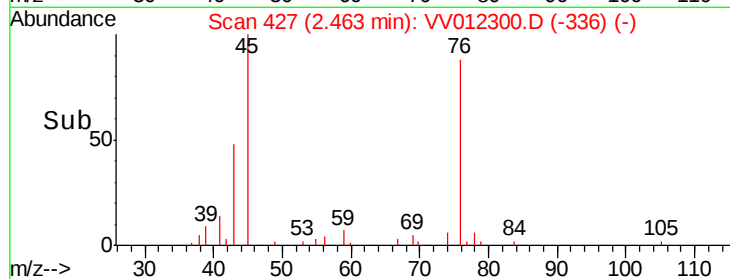
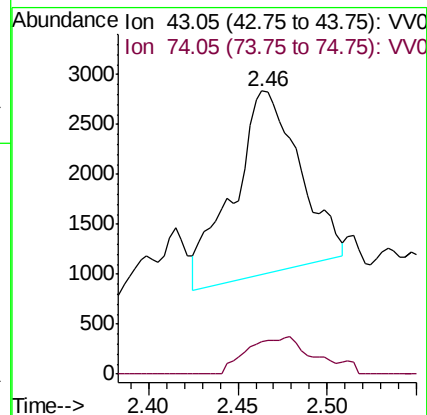
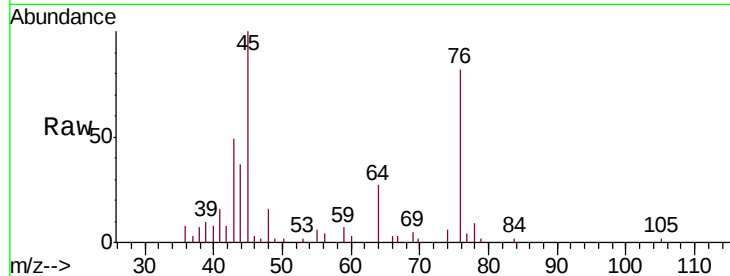
C0AF8

Tgt Ion: 43 Resp: 4756

Ion Ratio Lower Upper

43 100

74 19.4 24.9 37.3#



#27

1,2-Dichloroethane

Concen: 2.406 ug/L

RT: 5.14 min Scan# 1261

Delta R.T. -0.03 min

Lab File: VV012300.D

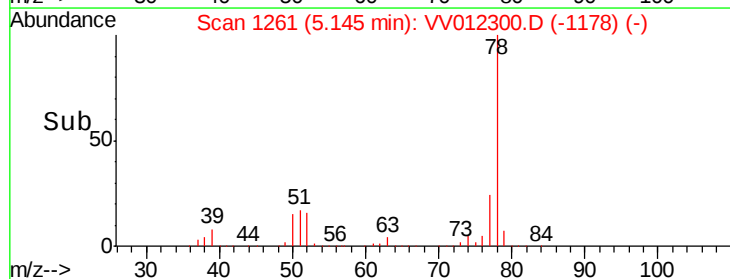
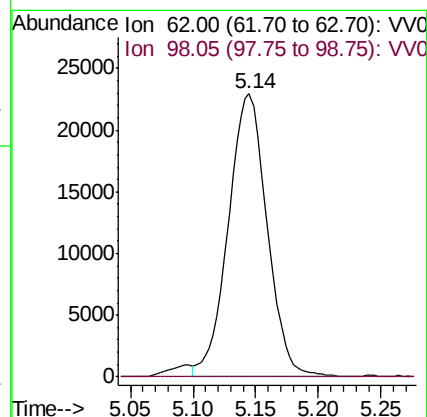
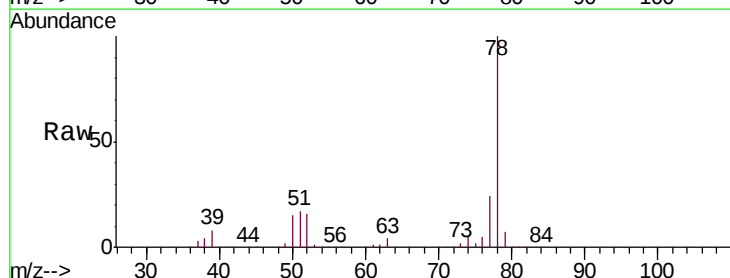
Acq: 20 Aug 2019 01:54

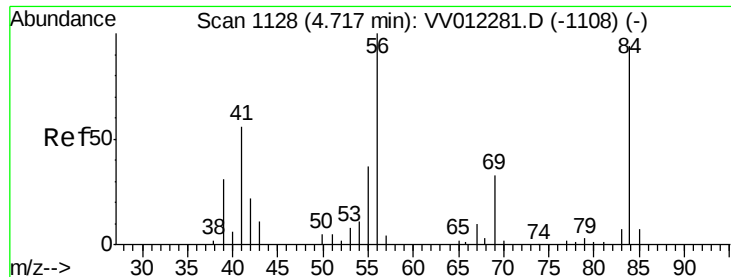
Tgt Ion: 62 Resp: 49277

Ion Ratio Lower Upper

62 100

98 0.0 7.6 11.4#

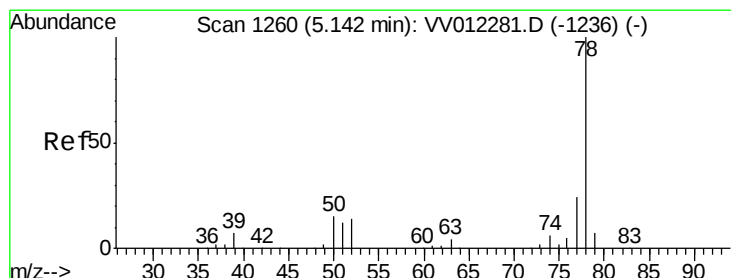
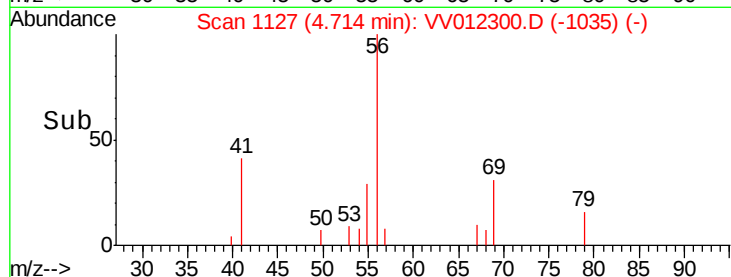
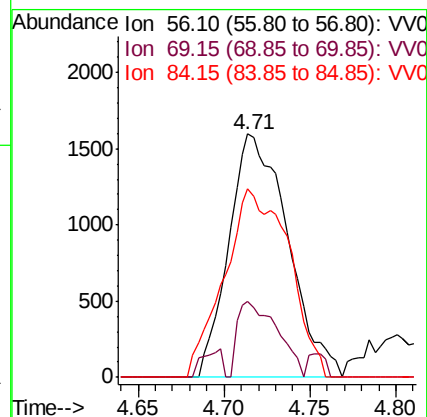
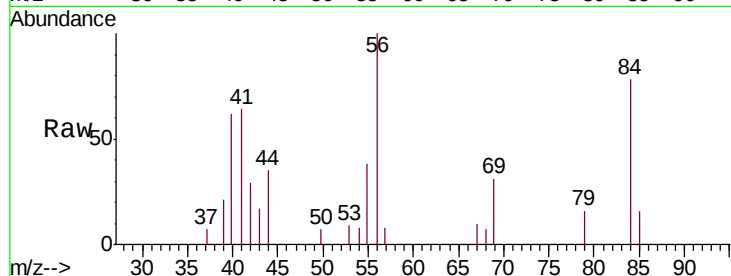




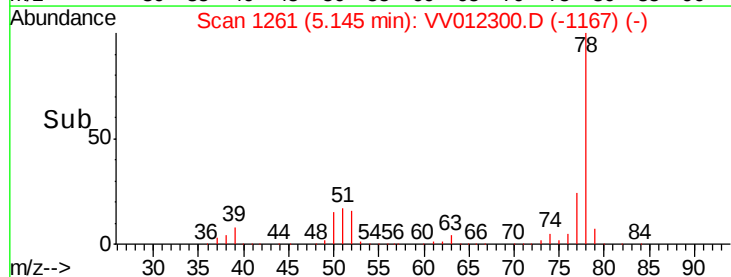
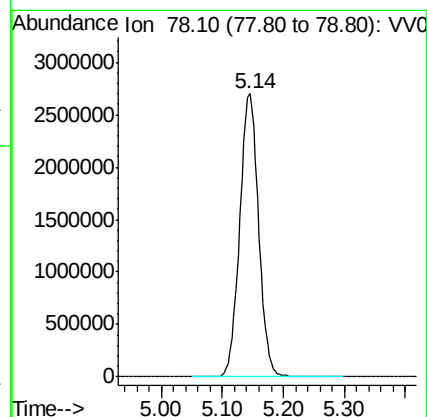
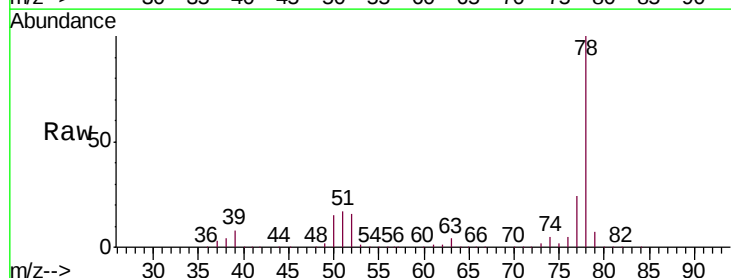
#30
Cyclohexane
Concen: 0.167 ug/L
RT: 4.71 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VV012300.D
Acq: 20 Aug 2019 01:54

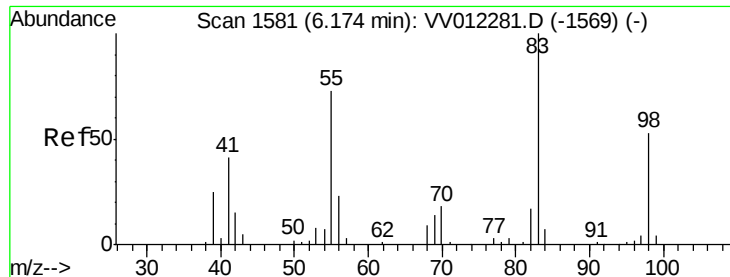
Instrument :
MSVOA_V
ClientSampleId :
C0AF8

Tgt Ion: 56 Resp: 3807
Ion Ratio Lower Upper
56 100
69 21.0 25.3 37.9#
84 84.7 79.9 119.9



#33
Benzene
Concen: 92.594 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV012300.D
Acq: 20 Aug 2019 01:54
Tgt Ion: 78 Resp: 5835870

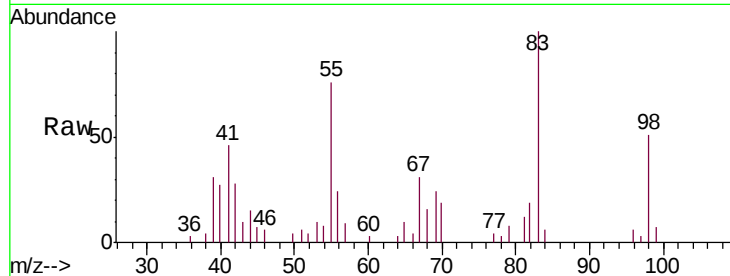




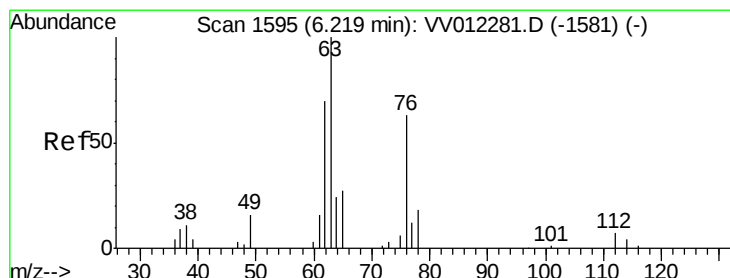
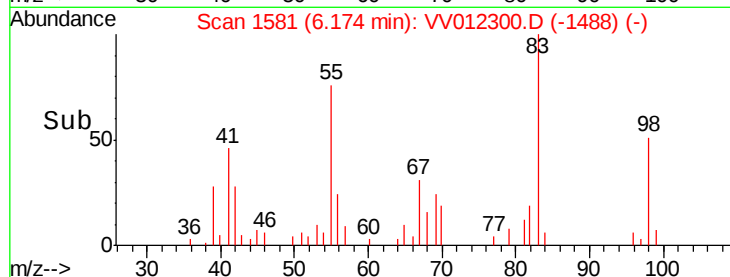
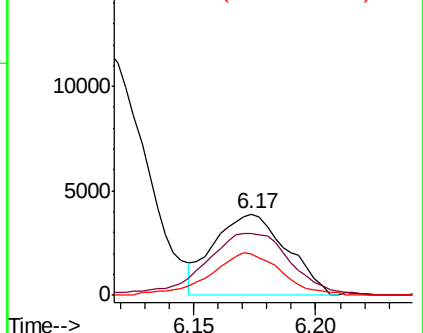
#35
Methylcyclohexane
Concen: 0.292 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VV012300.D
Acq: 20 Aug 2019 01:54

Instrument :
MSVOA_V
ClientSampleId :
C0AF8

Tgt Ion: 83 Resp: 8072
Ion Ratio Lower Upper
83 100
55 90.0 57.3 85.9#
98 50.5 40.3 60.5

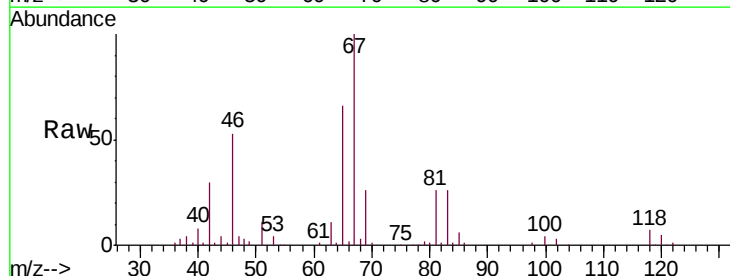


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

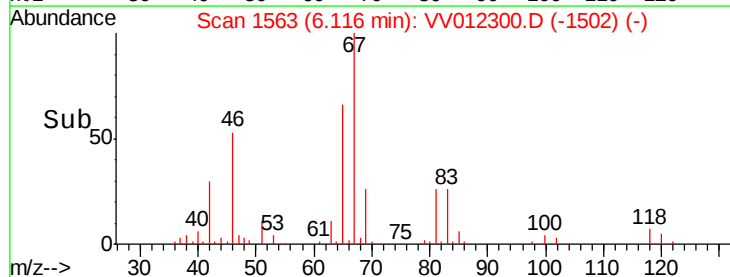
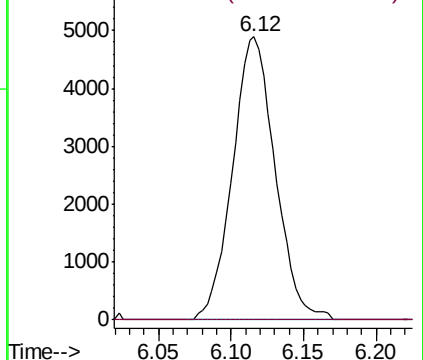


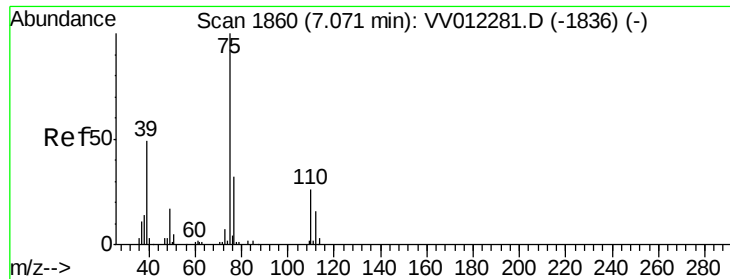
#37
1,2-Dichloropropane
Concen: 0.677 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV012300.D
Acq: 20 Aug 2019 01:54

Tgt Ion: 63 Resp: 9990
Ion Ratio Lower Upper
63 100
112 0.0 5.1 7.7#



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

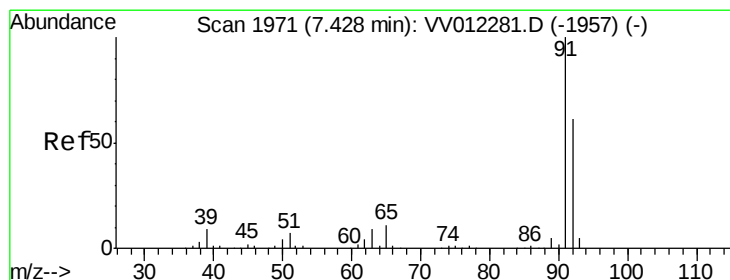
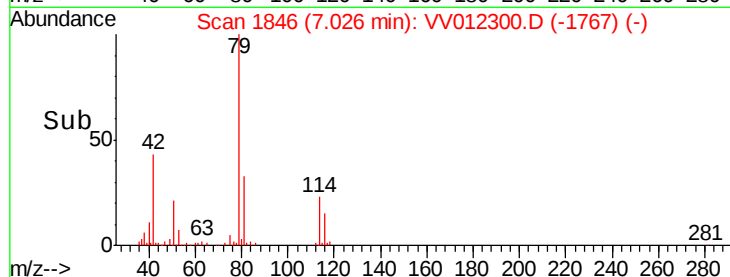
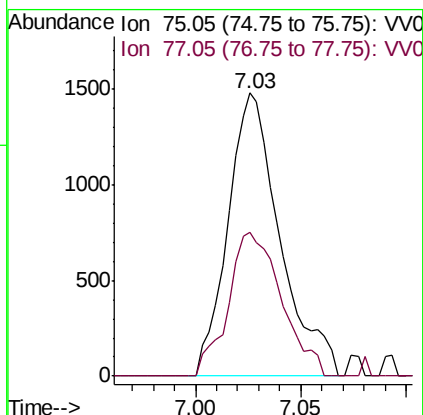
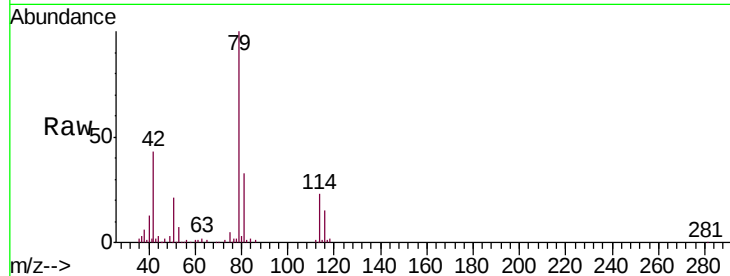




#39
 cis-1,3-Dichloropropene
 Concen: 0.108 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.05 min
 Lab File: VV012300.D
 Acq: 20 Aug 2019 01:54

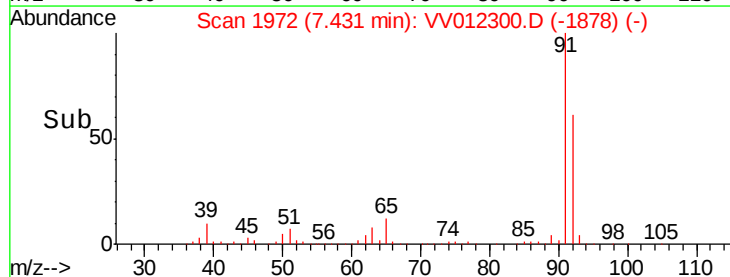
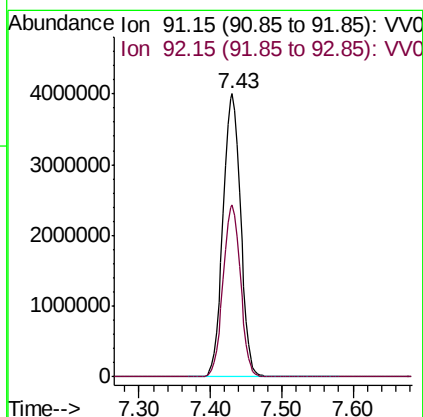
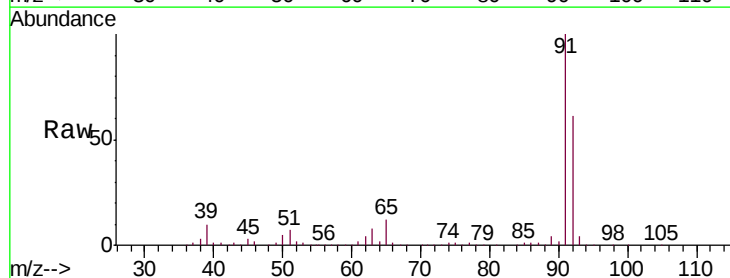
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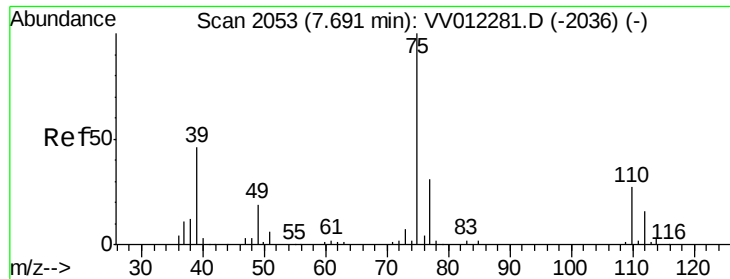
Tgt Ion: 75 Resp: 2532
 Ion Ratio Lower Upper
 75 100
 77 51.0 21.5 39.9#



#42
 Toluene
 Concen: 98.260 ug/L
 RT: 7.43 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VV012300.D
 Acq: 20 Aug 2019 01:54

Tgt Ion: 91 Resp: 6854710
 Ion Ratio Lower Upper
 91 100
 92 60.8 41.6 77.3

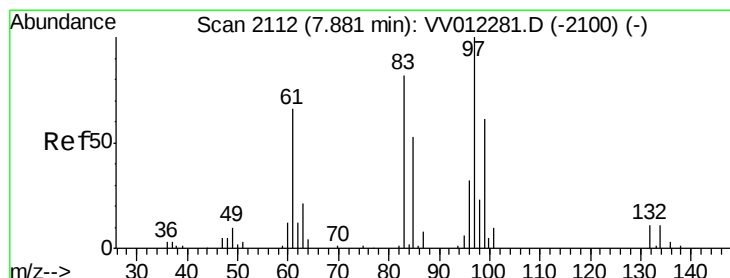
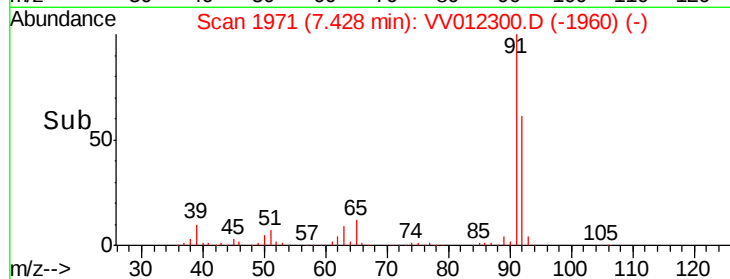
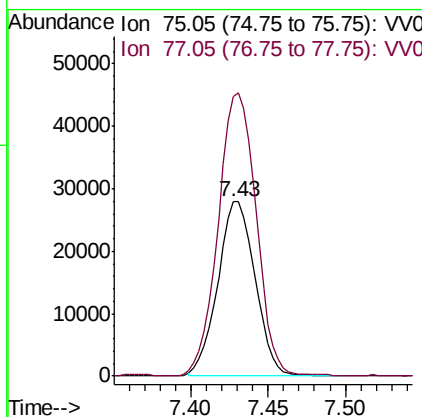
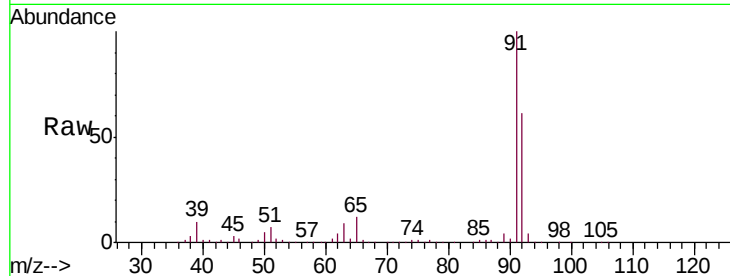




#44
 trans-1,3-Dichloropropene
 Concen: 2.509 ug/L
 RT: 7.43 min Scan# 1971
 Delta R.T. -0.26 min
 Lab File: VV012300.D
 Acq: 20 Aug 2019 01:54

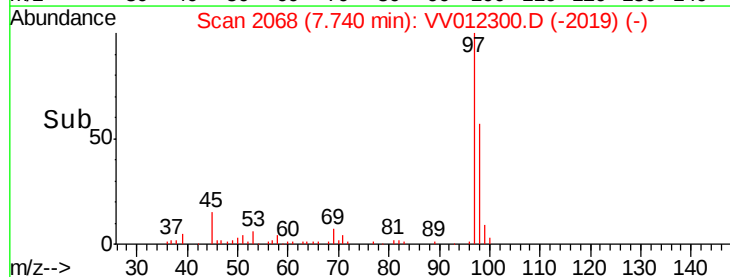
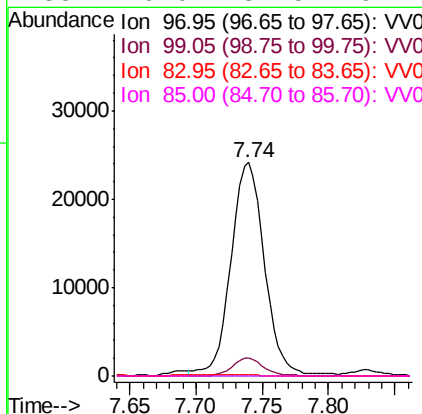
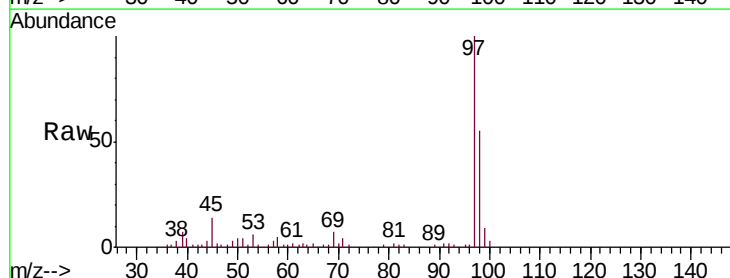
Instrument :
 MSVOA_V
 ClientSampleId :
 C0AF8

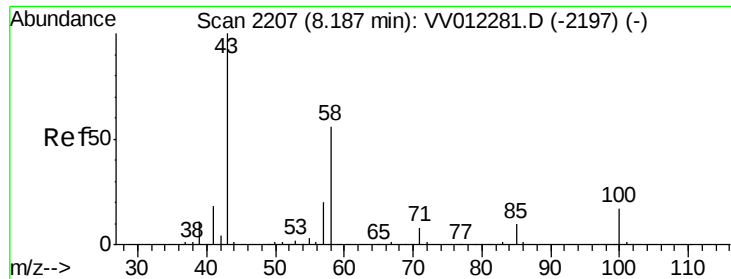
Tgt Ion: 75 Resp: 46897
 Ion Ratio Lower Upper
 75 100
 77 160.4 22.1 41.1#



#45
 1,1,2-Trichloroethane
 Concen: 3.779 ug/L
 RT: 7.74 min Scan# 2068
 Delta R.T. -0.14 min
 Lab File: VV012300.D
 Acq: 20 Aug 2019 01:54

Tgt Ion: 97 Resp: 42756
 Ion Ratio Lower Upper
 97 100
 99 8.6 44.7 83.1#
 83 0.8 56.8 105.6#
 85 0.0 34.5 64.1#

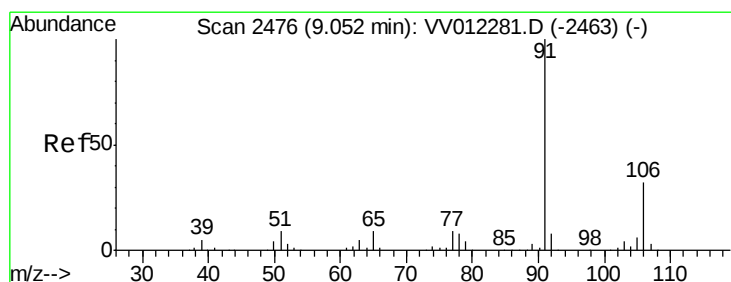
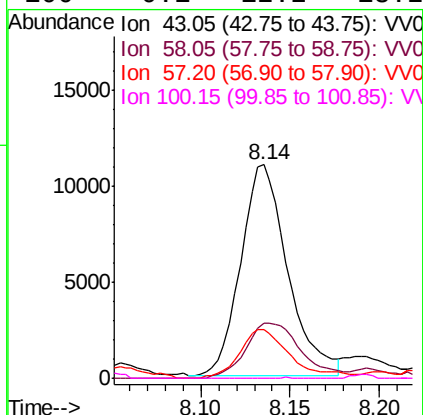
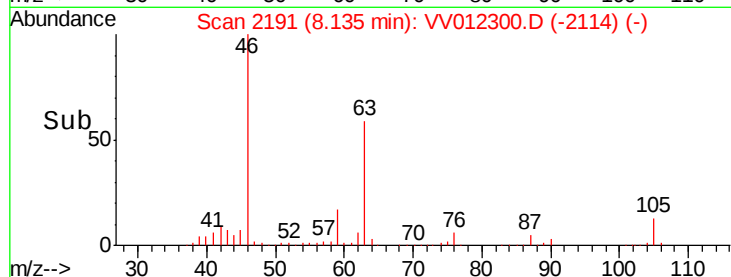
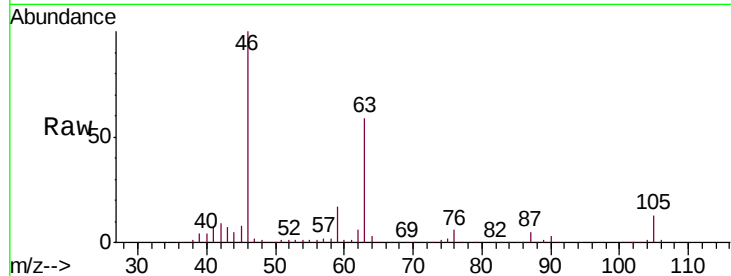




#48
2-Hexanone
Concen: 3.641 ug/L
RT: 8.14 min Scan# 2191
Delta R.T. -0.05 min
Lab File: VV012300.D
Acq: 20 Aug 2019 01:54

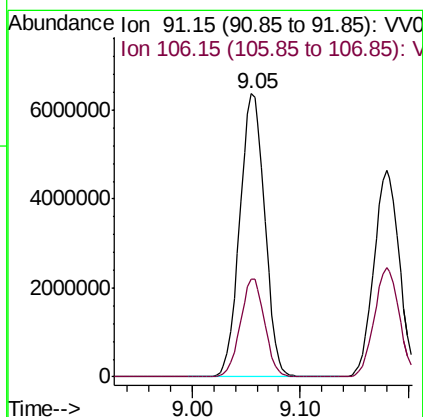
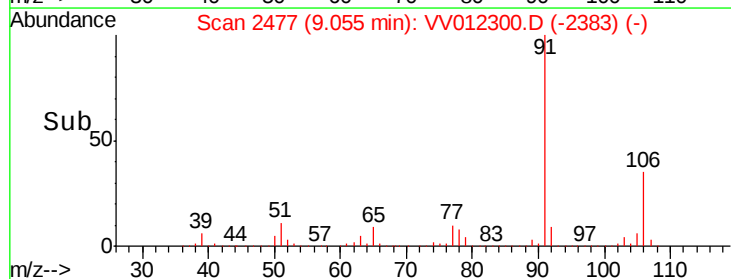
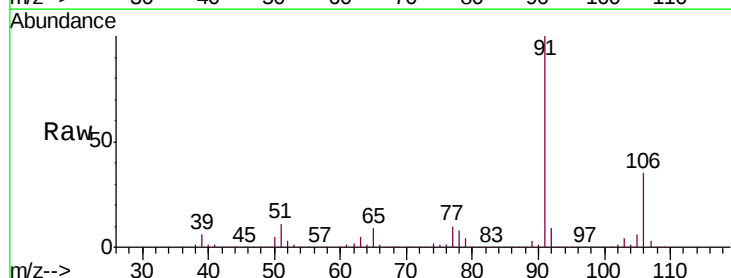
Instrument :
MSVOA_V
ClientSampleId :
C0AF8

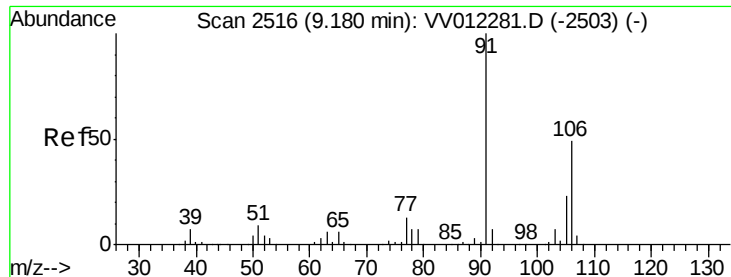
Tgt Ion: 43 Resp: 20291
Ion Ratio Lower Upper
43 100
58 30.6 45.4 68.2#
57 24.8 16.8 25.2
100 0.1 12.2 18.2#



#52
Ethylbenzene
Concen: 131.873 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV012300.D
Acq: 20 Aug 2019 01:54

Tgt Ion: 91 Resp: 10292980
Ion Ratio Lower Upper
91 100
106 34.7 21.6 40.0





#53

m,p-xylene

Concen: 129.391 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV012300.D

Acq: 20 Aug 2019 01:54

Instrument :

MSVOA_V

ClientSampleId :

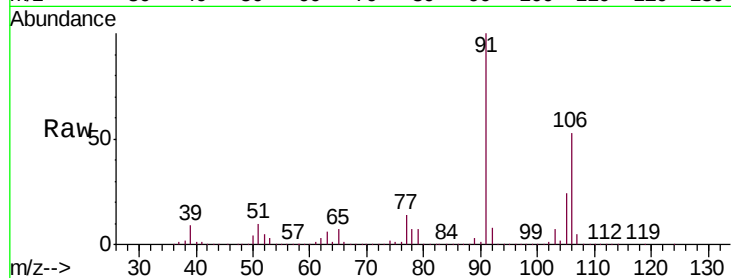
C0AF8

Tgt Ion:106 Resp: 3942695

Ion Ratio Lower Upper

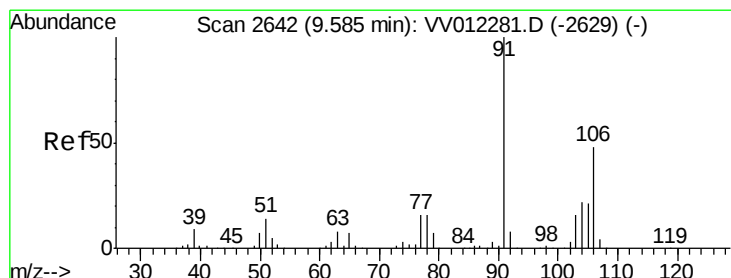
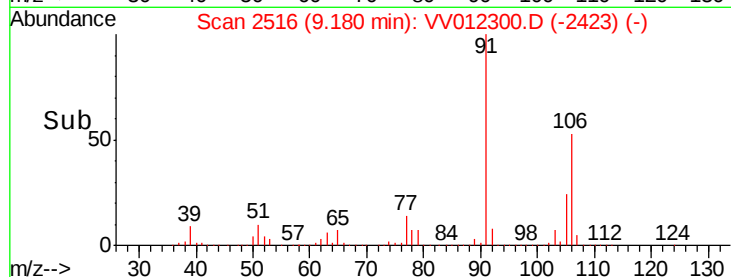
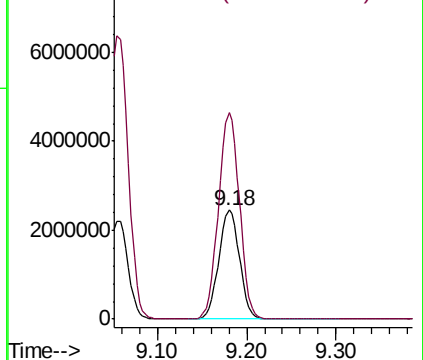
106 100

91 188.8 136.0 252.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#54

o-xylene

Concen: 66.180 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV012300.D

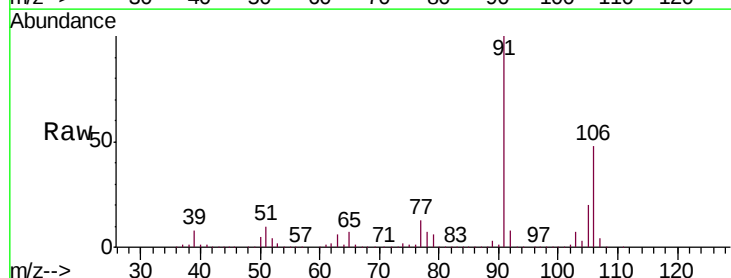
Acq: 20 Aug 2019 01:54

Tgt Ion:106 Resp: 1939527

Ion Ratio Lower Upper

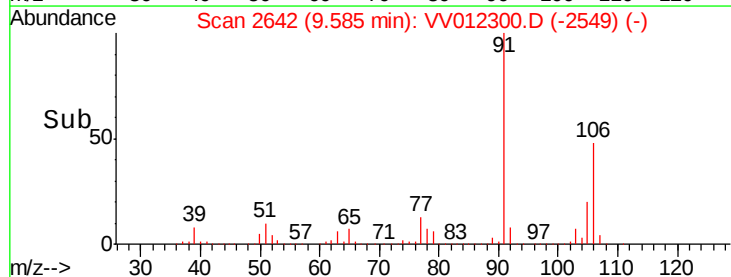
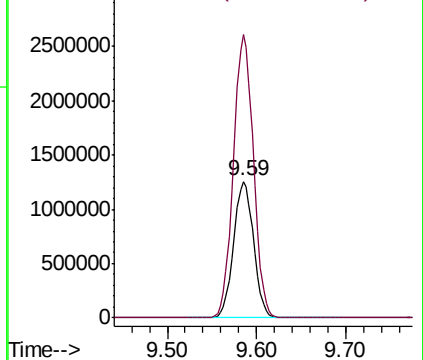
106 100

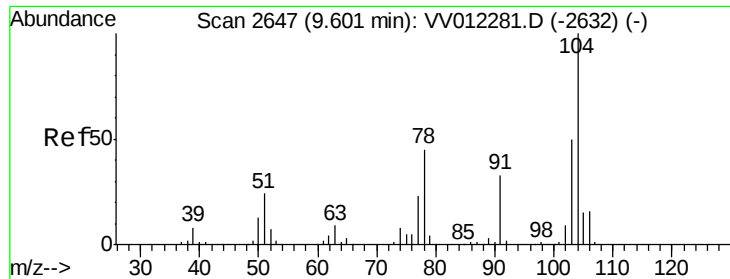
91 207.3 148.7 276.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

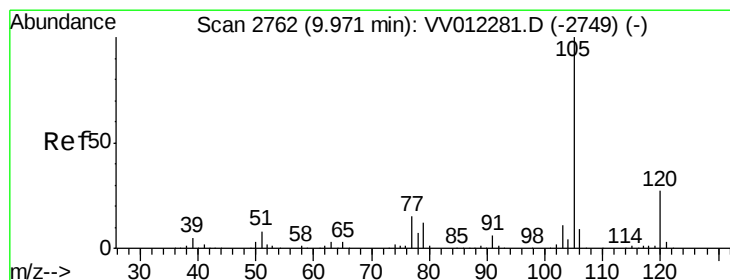
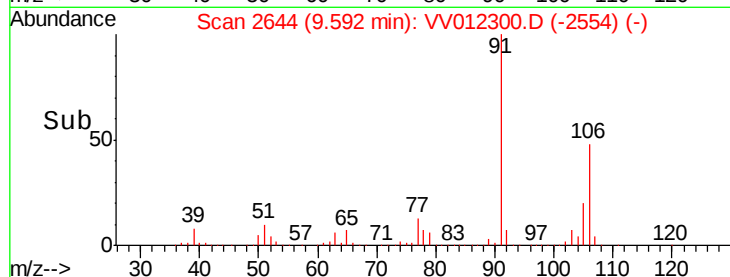
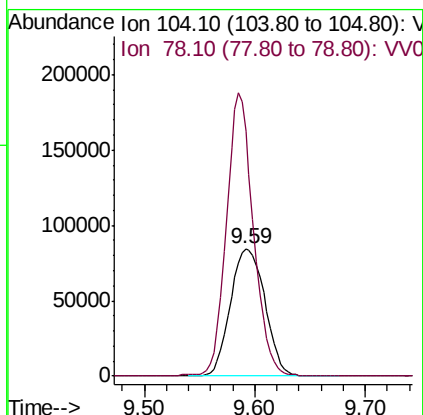
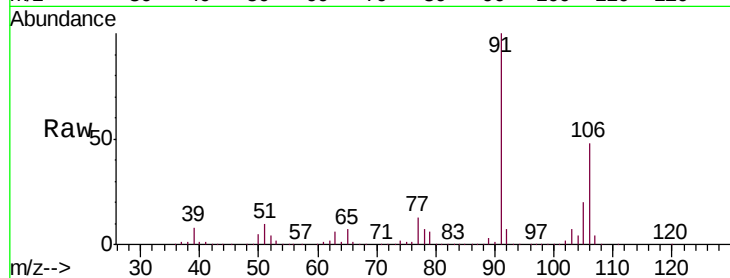




#55
Styrene
Concen: 3.721 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. -0.01 min
Lab File: VV012300.D
Acq: 20 Aug 2019 01:54

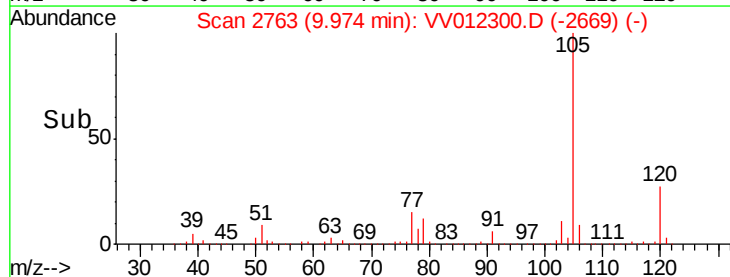
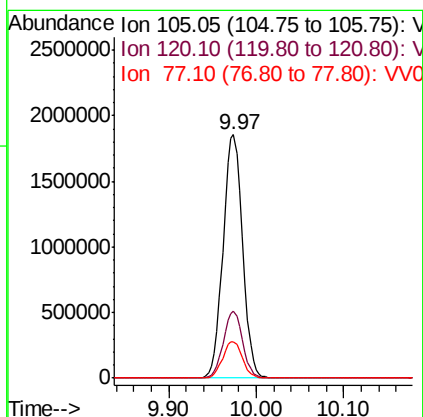
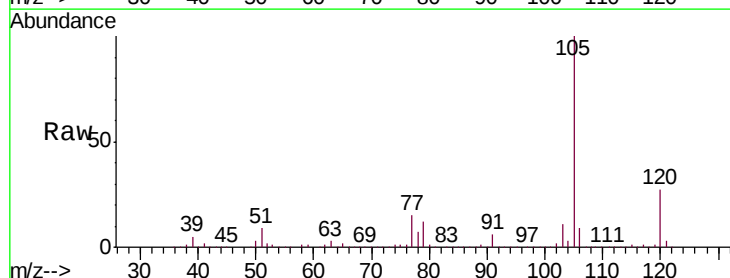
Instrument :
MSVOA_V
ClientSampled :
C0AF8

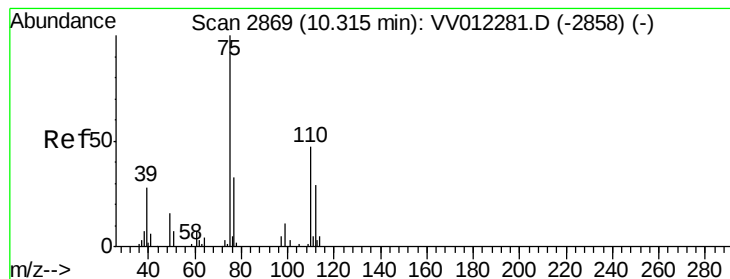
Tgt Ion:104 Resp: 184207
Ion Ratio Lower Upper
104 100
78 191.4 30.8 57.2#



#56
Isopropylbenzene
Concen: 35.432 ug/L
RT: 9.97 min Scan# 2763
Delta R.T. 0.00 min
Lab File: VV012300.D
Acq: 20 Aug 2019 01:54

Tgt Ion:105 Resp: 2866242
Ion Ratio Lower Upper
105 100
120 27.1 21.4 32.0
77 15.2 12.2 18.2





#59

1,2,3-Trichloropropane

Concen: 0.289 ug/L

RT: 10.40 min Scan# 2894

Delta R.T. 0.08 min

Lab File: VV012300.D

Acq: 20 Aug 2019 01:54

Instrument :

MSVOA_V

ClientSampleId :

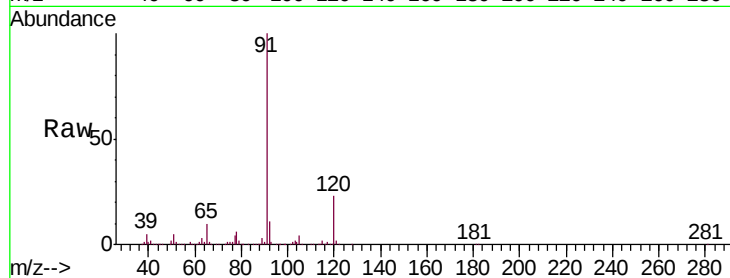
C0AF8

Tgt Ion: 75 Resp: 2643

Ion Ratio Lower Upper

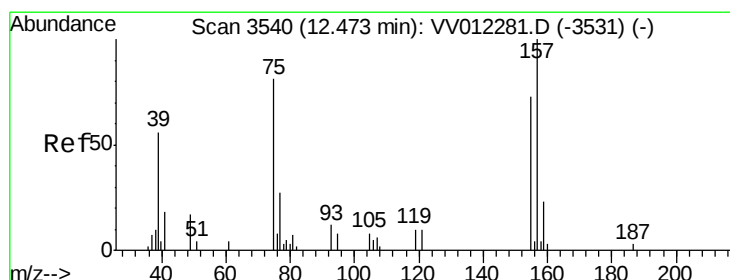
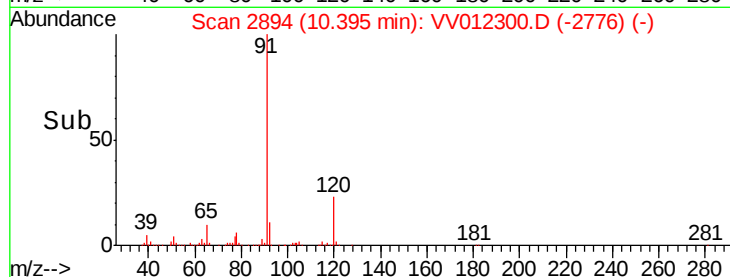
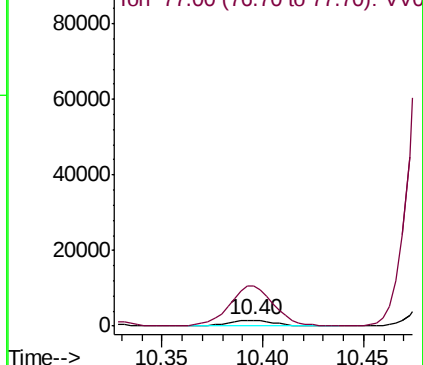
75 100

77 595.7 25.8 38.8#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#66

1,2-Dibromo-3-chloropropane

Concen: 52.107 ug/L

RT: 12.51 min Scan# 3551

Delta R.T. 0.04 min

Lab File: VV012300.D

Acq: 20 Aug 2019 01:54

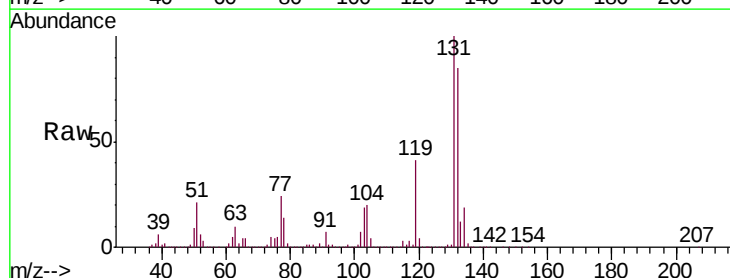
Tgt Ion: 75 Resp: 108259

Ion Ratio Lower Upper

75 100

155 0.0 68.4 102.6#

157 0.0 92.6 139.0#



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

