

Data File : VV012308.D
Acq On : 20 Aug 2019 13:08
Operator : SY/MD
Sample : K4395-04DL 4X
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AE2DL

Quant Time: Aug 21 01:17:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Aug 21 01:13:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	135816	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	124068	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	71216	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	22078	3.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	63.60%
7) Chloroethane-d5	1.58	69	17535	3.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	69.20%
11) 1,1-Dichloroethene-d2	2.13	63	36106	2.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.80%#
20) 2-Butanone-d5	3.97	46	59203	31.64	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	63.28%
24) Chloroform-d	4.39	84	72994	3.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.80%
26) 1,2-Dichloroethane-d4	5.08	65	36534	3.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.60%
32) Benzene-d6	5.09	84	140983	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.00%
36) 1,2-Dichloropropane-d6	6.11	67	36583	3.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	78.80%
41) Toluene-d8	7.36	98	139787	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
43) trans-1,3-Dichloropropene-	7.66	79	16940	4.25	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.00%
46) 2-Hexanone-d5	8.14	63	58448	46.47	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.94%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	26066	3.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	74.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	60619	4.23	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.60%

Target Compounds

					Qvalue
8) Chloroethane	1.55	64	1448	0.325 ug/L #	51
13) Acetone	2.22	43	54013	55.187 ug/L #	25
14) Carbon disulfide	2.31	76	16269	0.940 ug/L	99
15) Methyl Acetate	2.22	43	54013	27.828 ug/L #	44
16) Methylene chloride	2.53	84	872	0.134 ug/L	79
17) Methyl tert-butyl Ether	2.80	73	2385	0.120 ug/L #	83
21) 2-Butanone	4.05	43	8794	4.736 ug/L #	69
25) Chloroform	4.41	83	2385	0.122 ug/L	100
33) Benzene	5.14	78	81599	2.378 ug/L	100
35) Methylcyclohexane	6.12	83	10563	0.701 ug/L #	20
37) 1,2-Dichloropropane	6.12	63	4731	0.589 ug/L #	81
39) cis-1,3-Dichloropropene	7.03	75	1304	0.102 ug/L	86
42) Toluene	7.43	91	80884	2.129 ug/L	97
44) trans-1,3-Dichloropropene	7.66	75	719	0.071 ug/L	85
48) 2-Hexanone	8.19	43	2465	0.812 ug/L #	87
52) Ethylbenzene	9.05	91	238703	5.617 ug/L	100
53) m,p-xylene	9.18	106	82106	4.949 ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082019\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Aug 21 01:13:54 2019
Response via : Initial Calibration

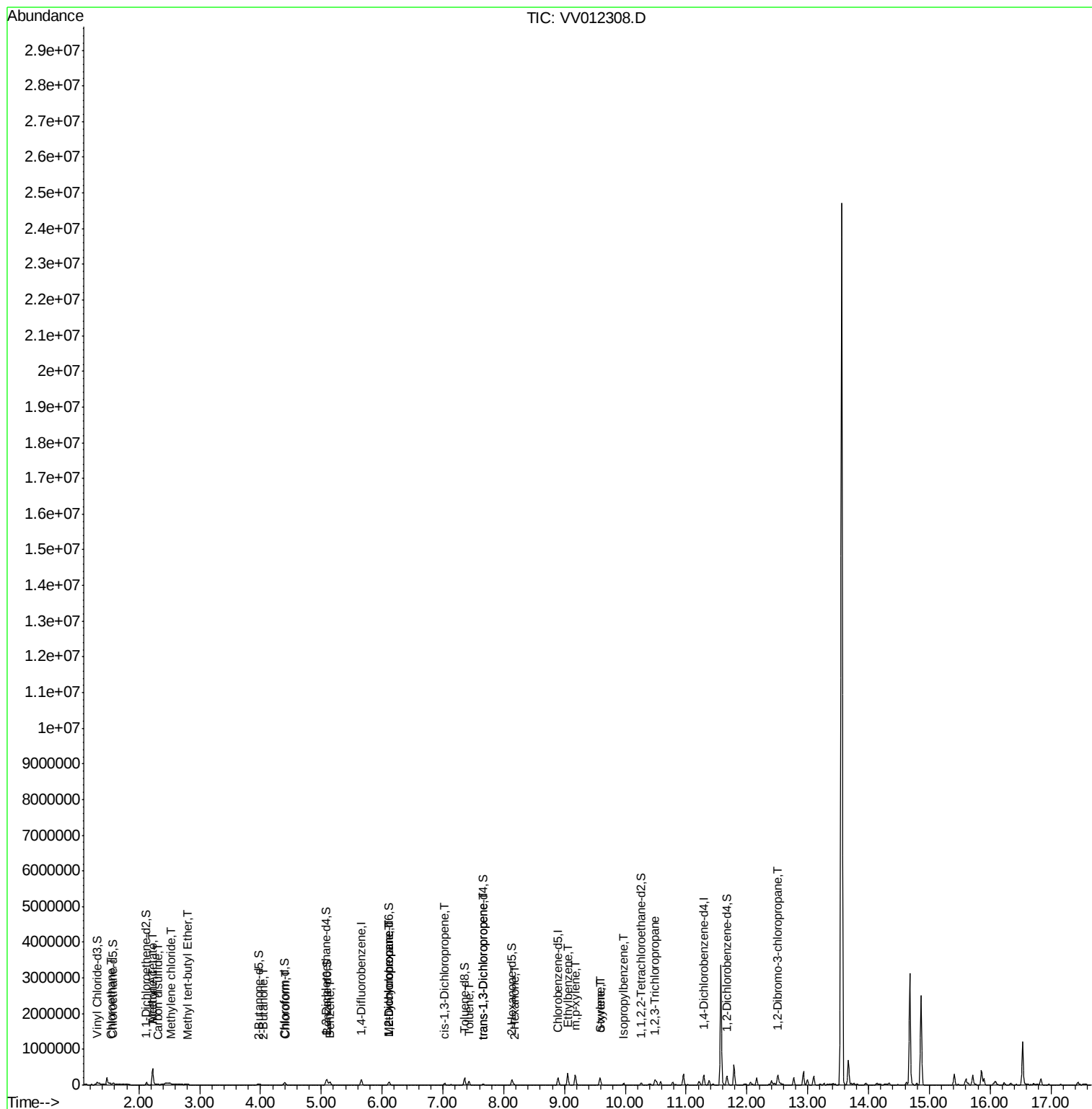
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-xylene	9.59	106	56345	3.531	ug/L	99
55) Styrene	9.59	104	7247	0.269	ug/L #	1
56) Isopropylbenzene	9.97	105	35137	0.798	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	960	0.193	ug/L #	1
66) 1,2-Dibromo-3-chloropropan	12.50	75	6018	5.208	ug/L #	1

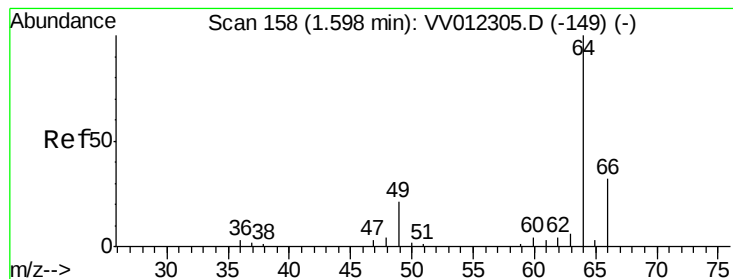
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.325 ug/L

RT: 1.55 min Scan# 142

Delta R.T. -0.05 min

Lab File: VV012308.D

Acq: 20 Aug 2019 13:08

Instrument :

MSVOA_V

ClientSampleId :

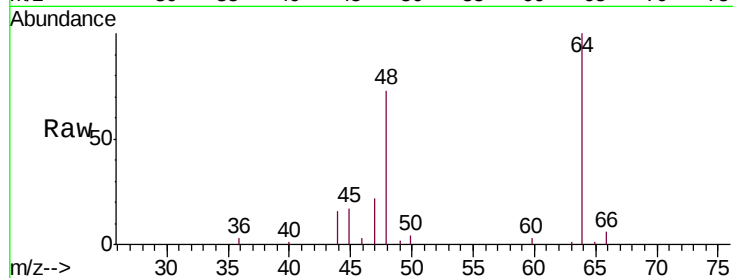
C0AE2DL

Tgt Ion: 64 Resp: 1448

Ion Ratio Lower Upper

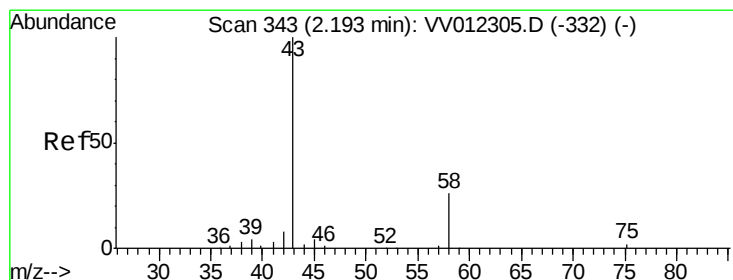
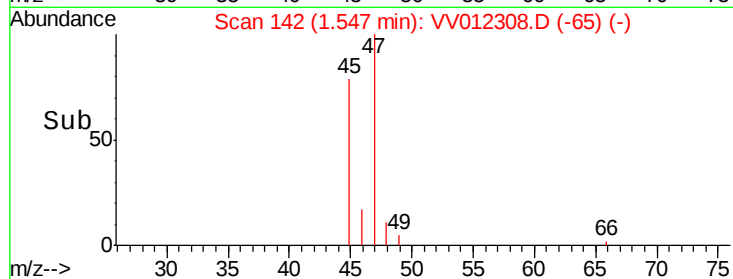
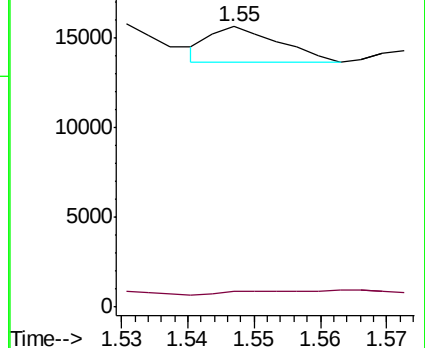
64 100

66 5.6 23.7 44.1#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0



#13

Acetone

Concen: 55.187 ug/L

RT: 2.22 min Scan# 352

Delta R.T. 0.03 min

Lab File: VV012308.D

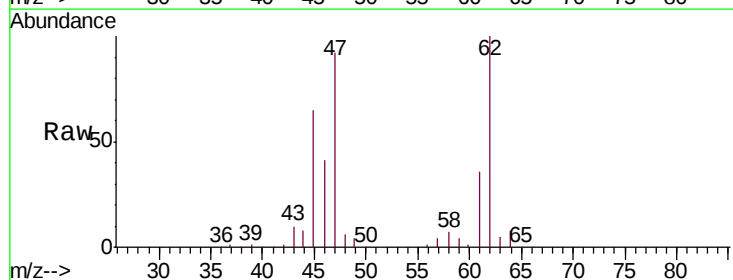
Acq: 20 Aug 2019 13:08

Tgt Ion: 43 Resp: 54013

Ion Ratio Lower Upper

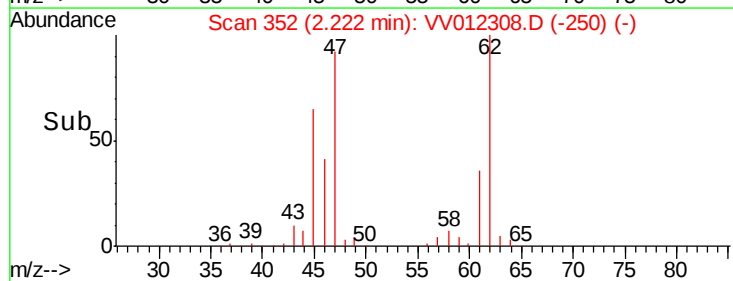
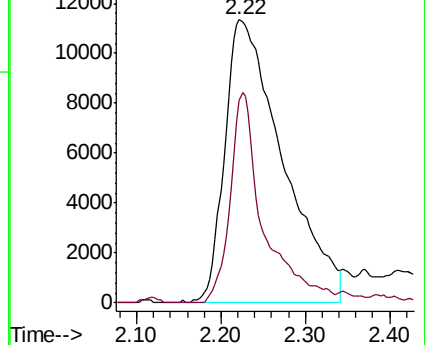
43 100

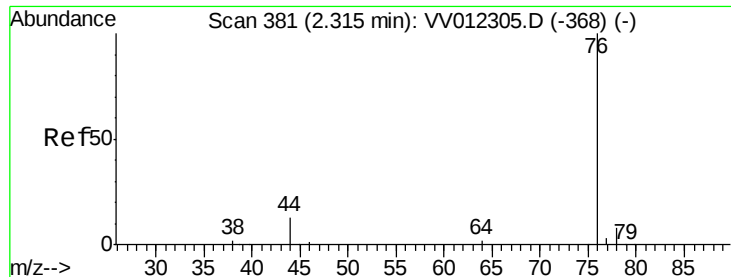
58 42.6 0.0 25.6#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0





#14

Carbon disulfide

Concen: 0.940 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV012308.D

Acq: 20 Aug 2019 13:08

Instrument :

MSVOA_V

ClientSampled :

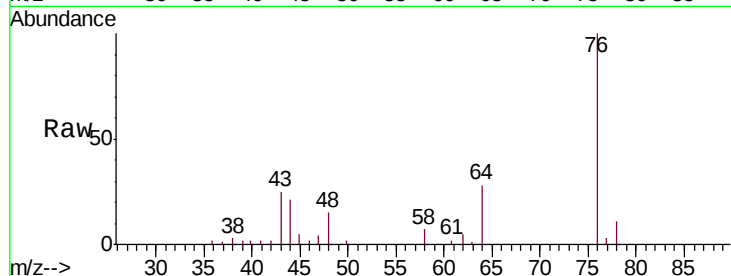
C0AE2DL

Tgt Ion: 76 Resp: 16269

Ion Ratio Lower Upper

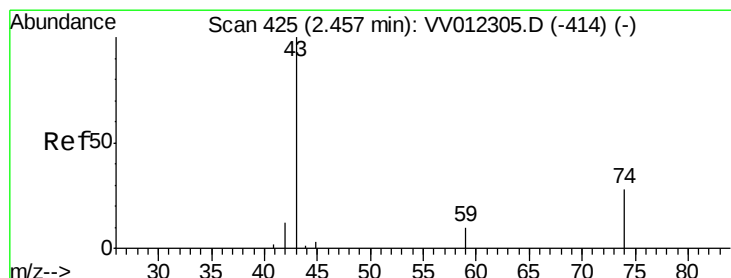
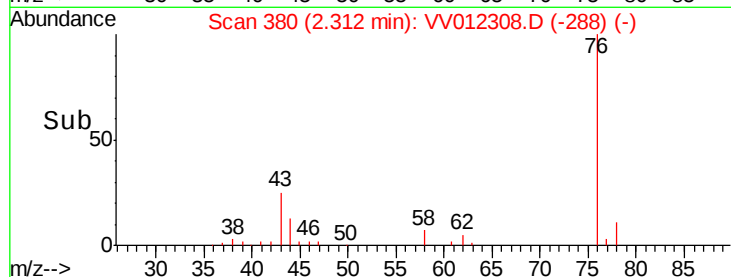
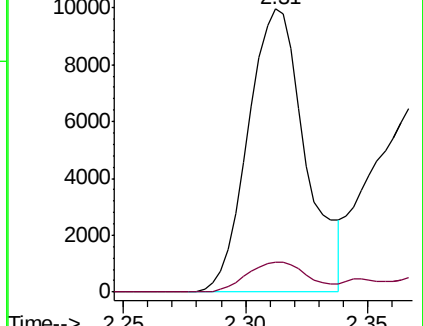
76 100

78 10.6 8.3 12.5



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#15

Methyl Acetate

Concen: 27.828 ug/L

RT: 2.22 min Scan# 352

Delta R.T. -0.23 min

Lab File: VV012308.D

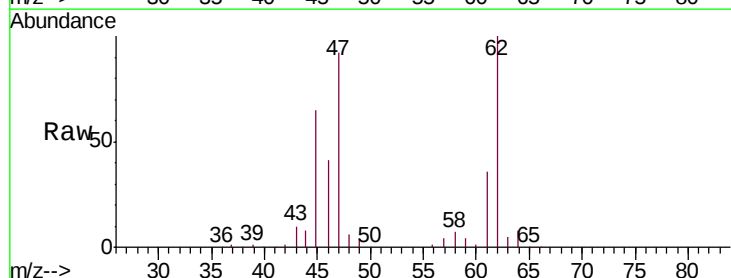
Acq: 20 Aug 2019 13:08

Tgt Ion: 43 Resp: 54013

Ion Ratio Lower Upper

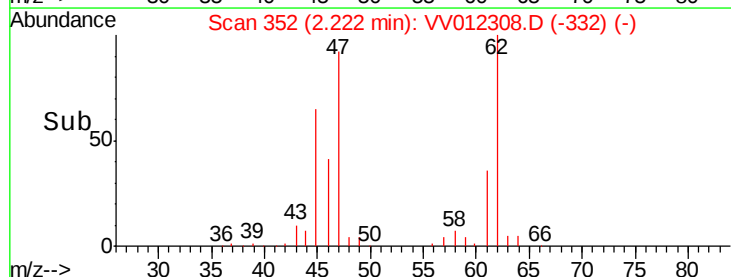
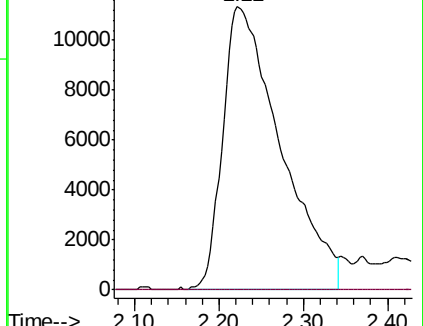
43 100

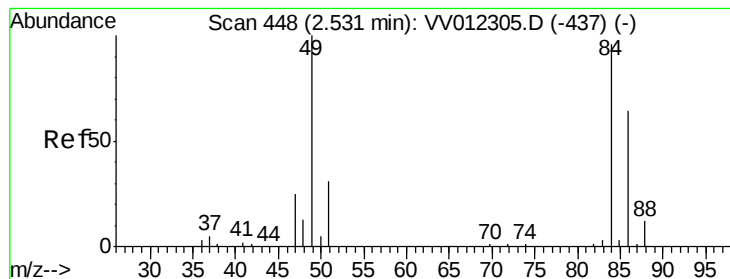
74 0.1 24.9 37.3#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0





#16

Methylene chloride

Concen: 0.134 ug/L

RT: 2.53 min Scan# 447

Delta R.T. -0.00 min

Lab File: VV012308.D

Acq: 20 Aug 2019 13:08

Instrument :

MSVOA_V

ClientSampled :

C0AE2DL

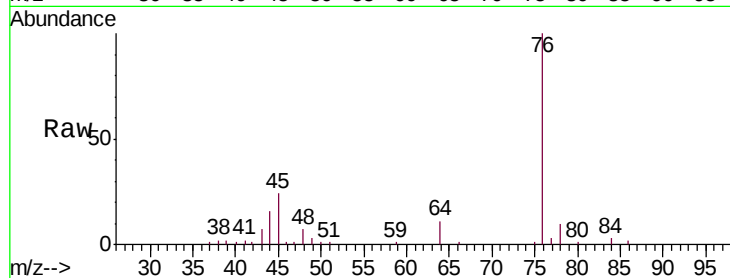
Tgt Ion: 84 Resp: 872

Ion Ratio Lower Upper

84 100

86 52.6 49.5 91.9

49 82.4 72.1 133.9



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

2.53

600

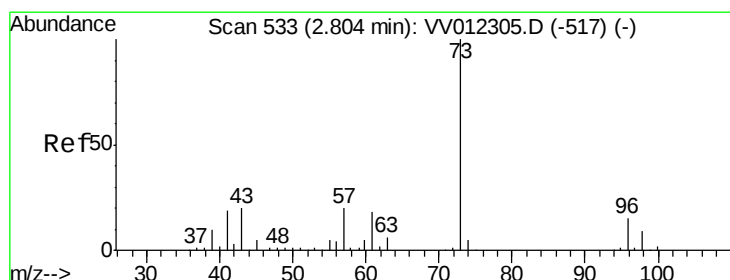
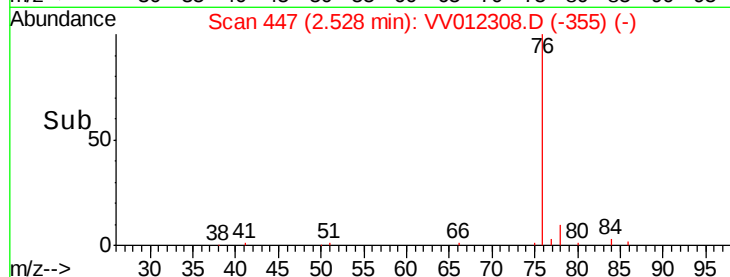
400

200

0

2.50 2.55

Time-->



#17

Methyl tert-butyl Ether

Concen: 0.120 ug/L

RT: 2.80 min Scan# 533

Delta R.T. -0.00 min

Lab File: VV012308.D

Acq: 20 Aug 2019 13:08

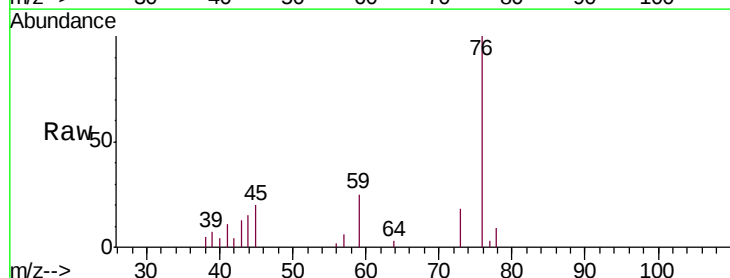
Tgt Ion: 73 Resp: 2385

Ion Ratio Lower Upper

73 100

43 25.9 17.0 25.4#

57 30.8 15.8 23.6#



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0

2.80

1500

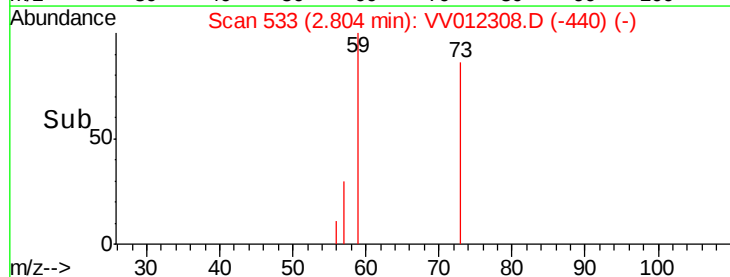
1000

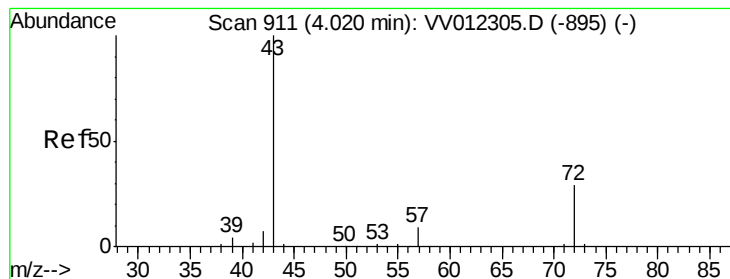
500

0

2.75 2.80 2.85

Time-->





#21

2-Butanone

Concen: 4.736 ug/L

RT: 4.05 min Scan# 922

Delta R.T. 0.04 min

Lab File: VV012308.D

Acq: 20 Aug 2019 13:08

Instrument :

MSVOA_V

ClientSampleId :

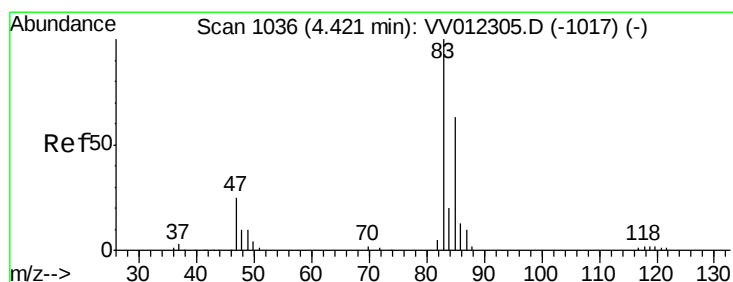
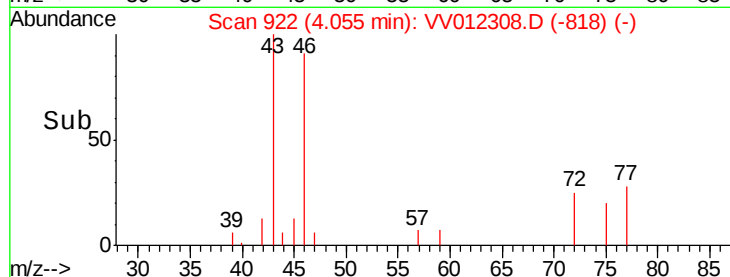
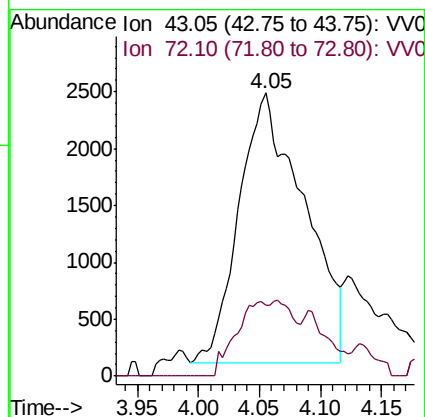
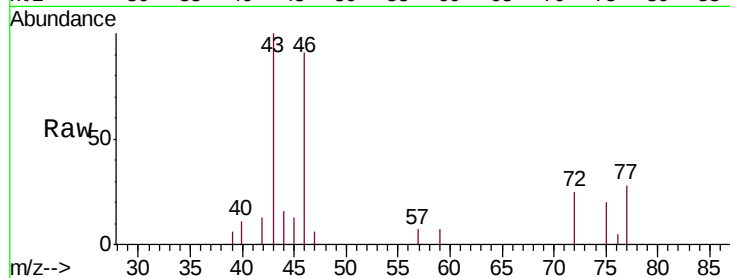
C0AE2DL

Tgt Ion: 43 Resp: 8794

Ion Ratio Lower Upper

43 100

72 12.7 14.8 44.4#



#25

Chloroform

Concen: 0.122 ug/L

RT: 4.41 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VV012308.D

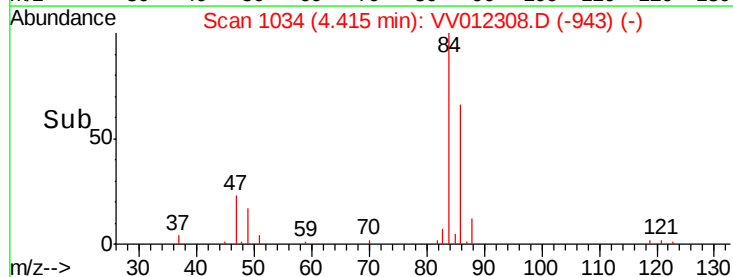
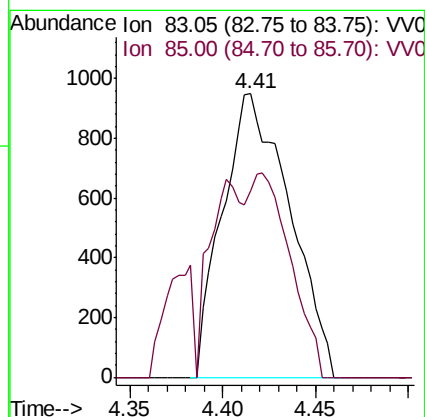
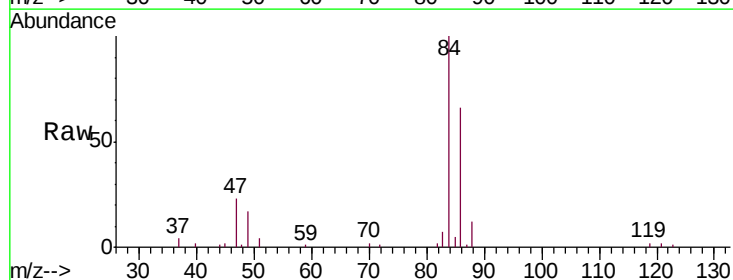
Acq: 20 Aug 2019 13:08

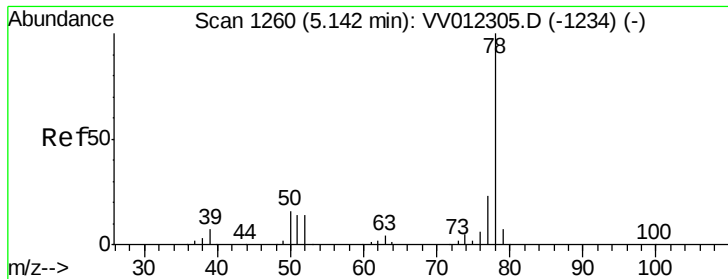
Tgt Ion: 83 Resp: 2385

Ion Ratio Lower Upper

83 100

85 66.0 46.1 85.5

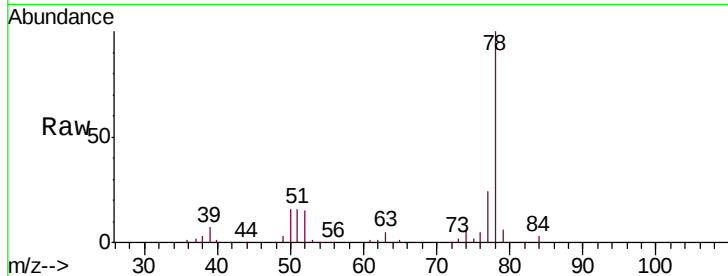




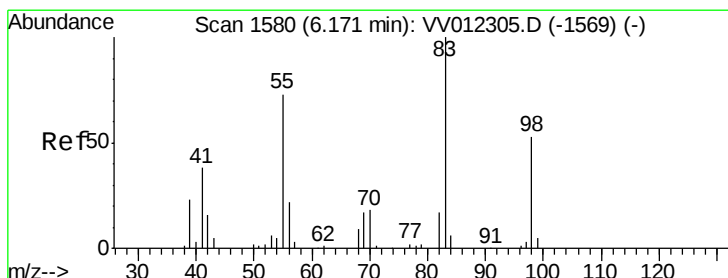
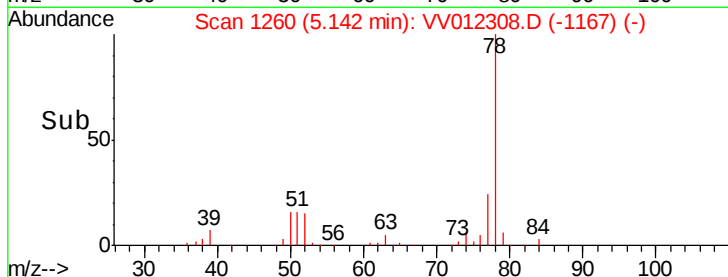
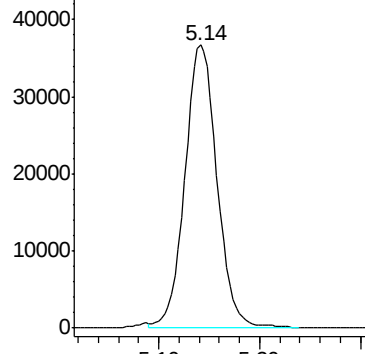
#33
Benzene
Concen: 2.378 ug/L
RT: 5.14 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VV012308.D
Acq: 20 Aug 2019 13:08

Instrument :
MSVOA_V
ClientSampleId :
C0AE2DL

Tgt Ion: 78 Resp: 81599

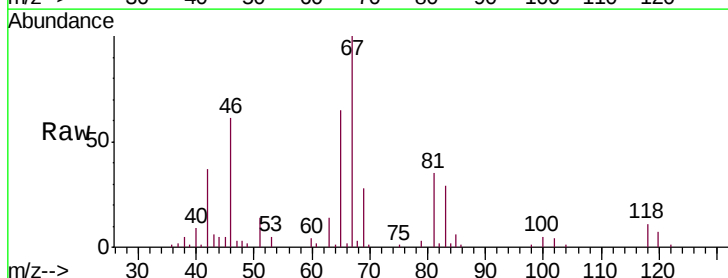


Abundance Ion 78.10 (77.80 to 78.80): VV0



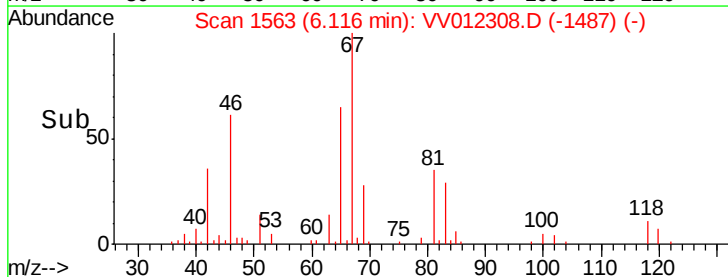
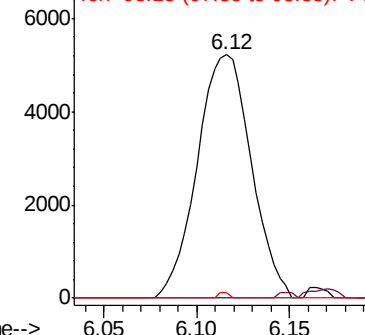
#35
Methylcyclohexane
Concen: 0.701 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VV012308.D
Acq: 20 Aug 2019 13:08

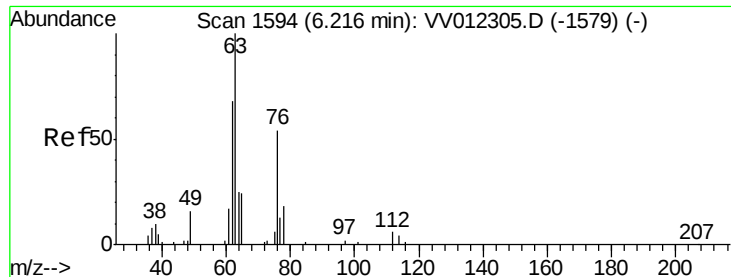
Tgt Ion: 83 Resp: 10563
Ion Ratio Lower Upper
83 100
55 0.6 57.3 85.9#
98 0.4 40.3 60.5#



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

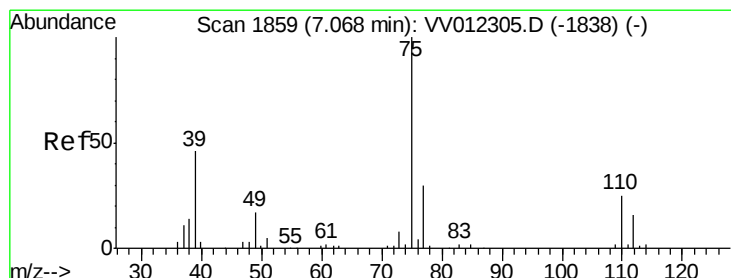
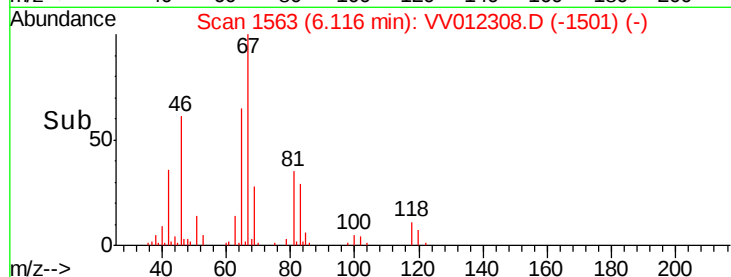
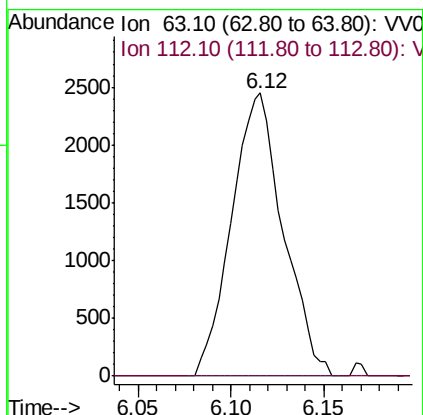
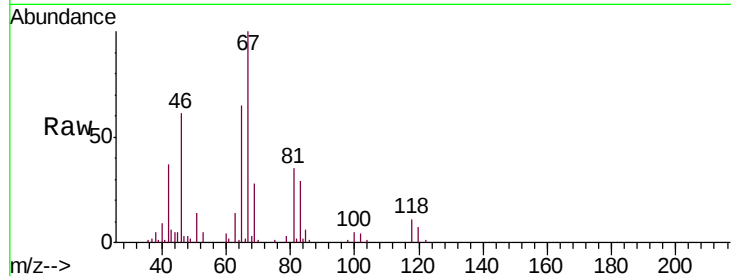




#37
 1,2-Dichloropropane
 Concen: 0.589 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV012308.D
 Acq: 20 Aug 2019 13:08

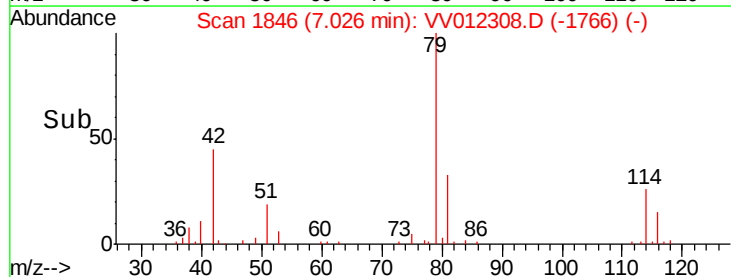
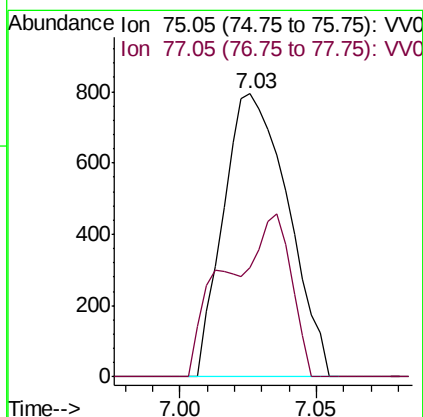
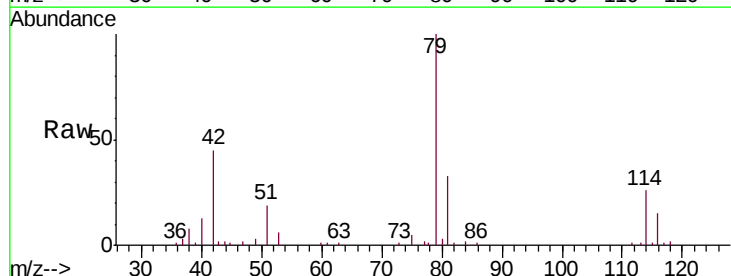
Instrument :
 MSVOA_V
 ClientSampleId :
 C0AE2DL

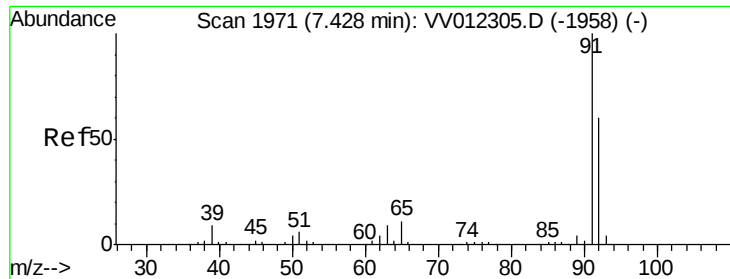
Tgt Ion: 63 Resp: 4731
 Ion Ratio Lower Upper
 63 100
 112 0.0 5.1 7.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.102 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.04 min
 Lab File: VV012308.D
 Acq: 20 Aug 2019 13:08

Tgt Ion: 75 Resp: 1304
 Ion Ratio Lower Upper
 75 100
 77 38.5 21.5 39.9





#42

Toluene

Concen: 2.129 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV012308.D

Acq: 20 Aug 2019 13:08

Instrument :

MSVOA_V

ClientSampleId :

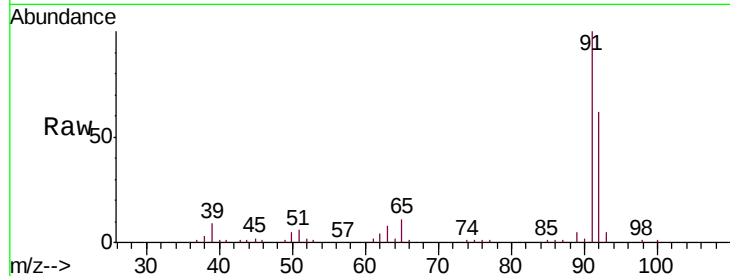
C0AE2DL

Tgt Ion: 91 Resp: 80884

Ion Ratio Lower Upper

91 100

92 61.6 41.6 77.3



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

50000

40000

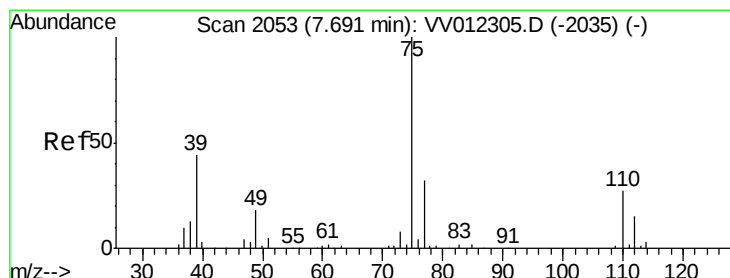
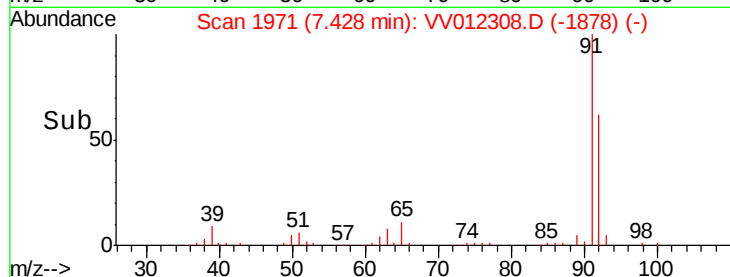
30000

20000

10000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.071 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV012308.D

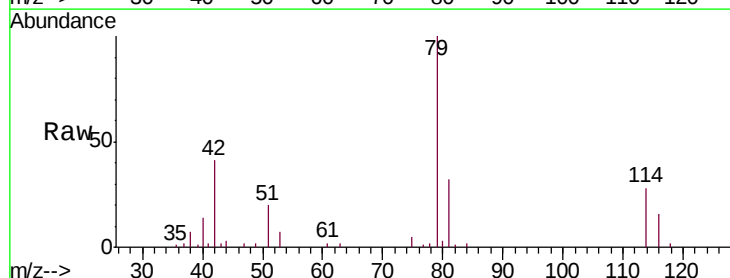
Acq: 20 Aug 2019 13:08

Tgt Ion: 75 Resp: 719

Ion Ratio Lower Upper

75 100

77 23.2 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.66

500

400

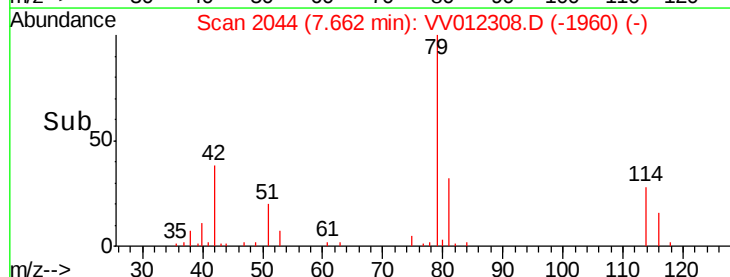
300

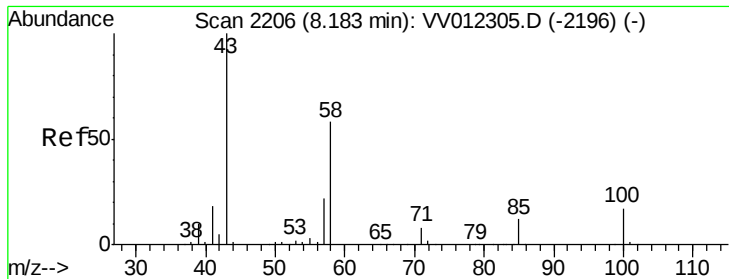
200

100

0

Time-->

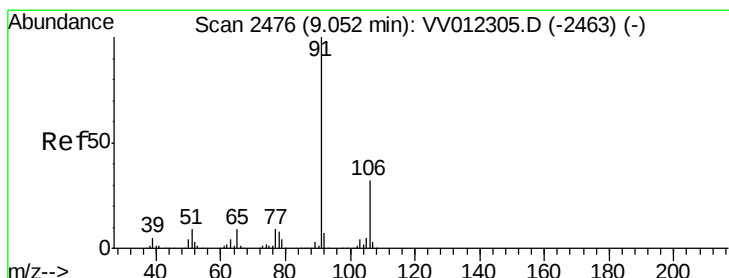
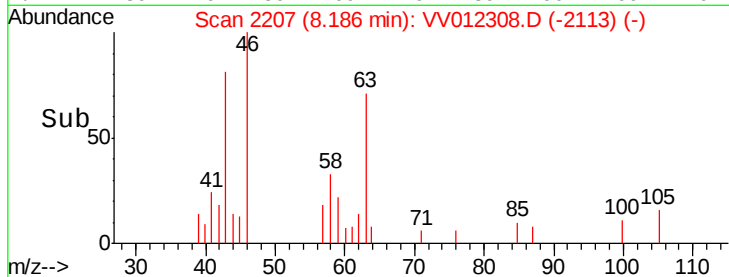
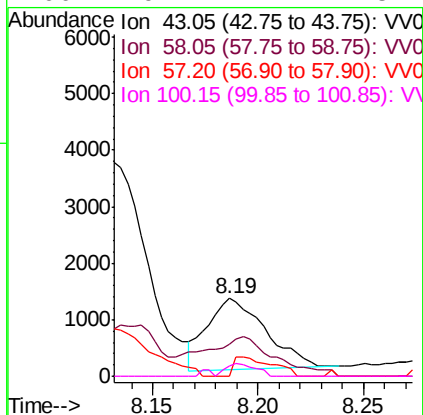
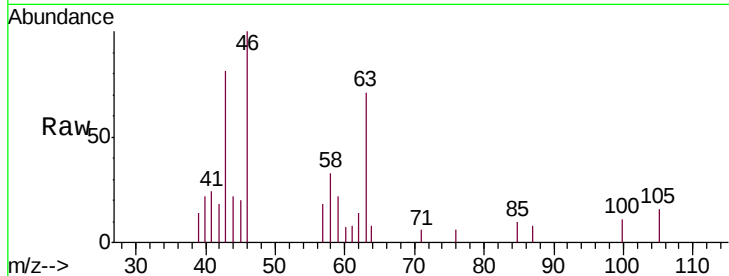




#48
2-Hexanone
Concen: 0.812 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV012308.D
Acq: 20 Aug 2019 13:08

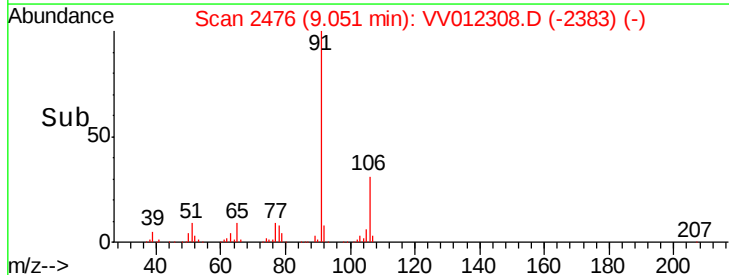
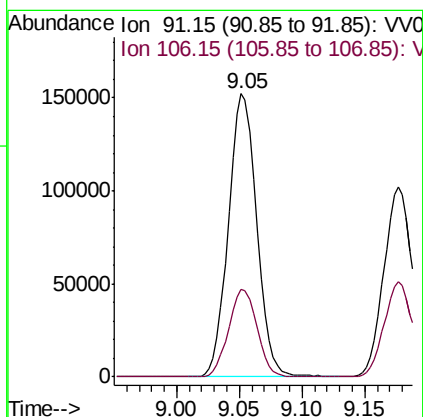
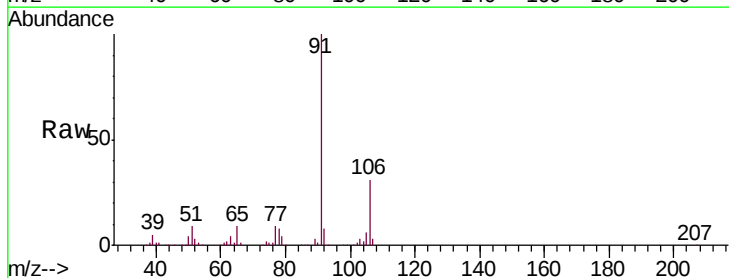
Instrument :
MSVOA_V
ClientSampleId :
C0AE2DL

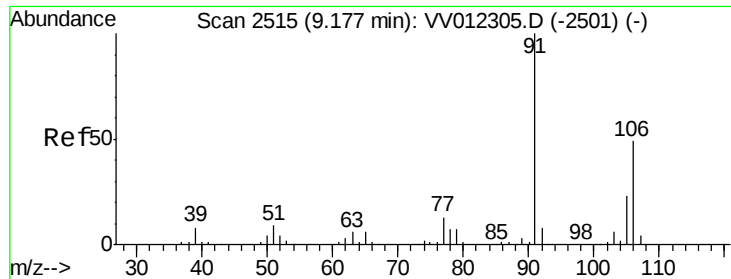
Tgt Ion: 43 Resp: 2465
Ion Ratio Lower Upper
43 100
58 67.8 45.4 68.2
57 17.4 16.8 25.2
100 9.1 12.2 18.2#



#52
Ethylbenzene
Concen: 5.617 ug/L
RT: 9.05 min Scan# 2476
Delta R.T. -0.00 min
Lab File: VV012308.D
Acq: 20 Aug 2019 13:08

Tgt Ion: 91 Resp: 238703
Ion Ratio Lower Upper
91 100
106 30.7 21.6 40.0





#53

m,p-xylene

Concen: 4.949 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV012308.D

Acq: 20 Aug 2019 13:08

Instrument :

MSVOA_V

ClientSampleId :

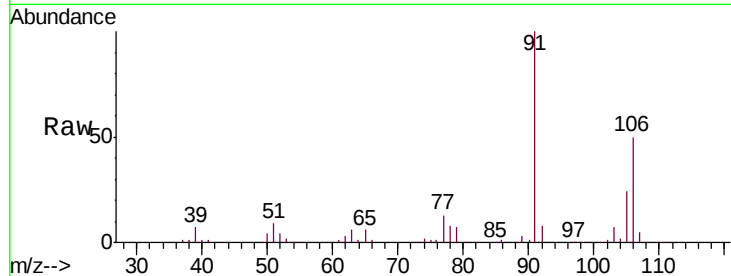
C0AE2DL

Tgt Ion:106 Resp: 82106

Ion Ratio Lower Upper

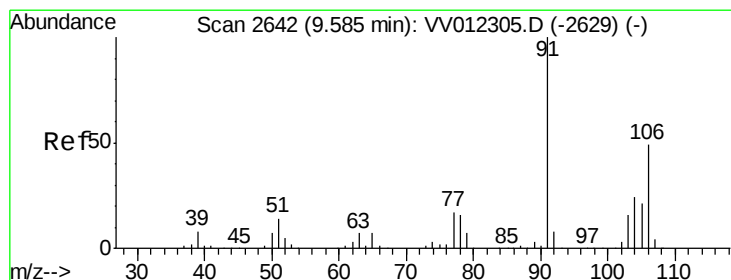
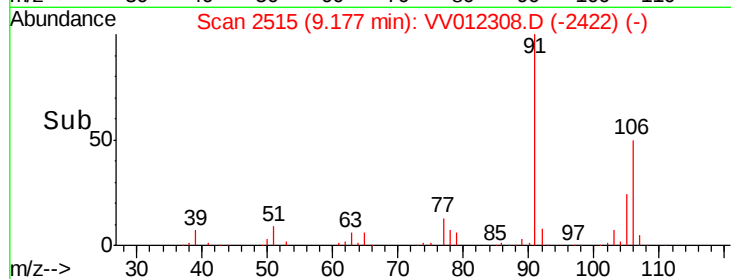
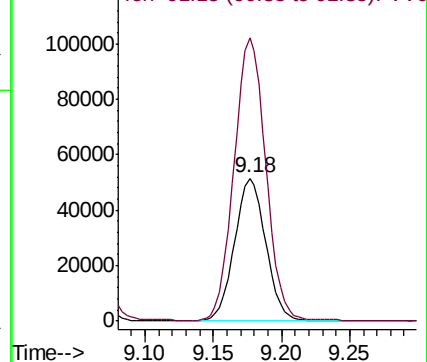
106 100

91 198.5 136.0 252.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#54

o-xylene

Concen: 3.531 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV012308.D

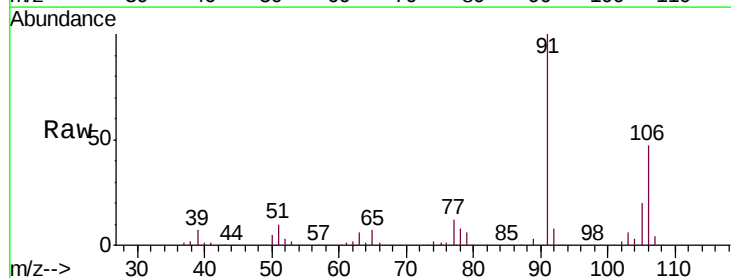
Acq: 20 Aug 2019 13:08

Tgt Ion:106 Resp: 56345

Ion Ratio Lower Upper

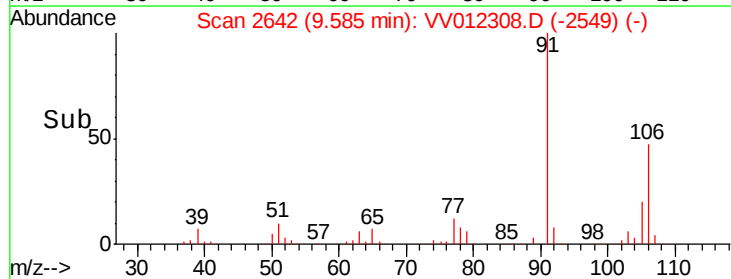
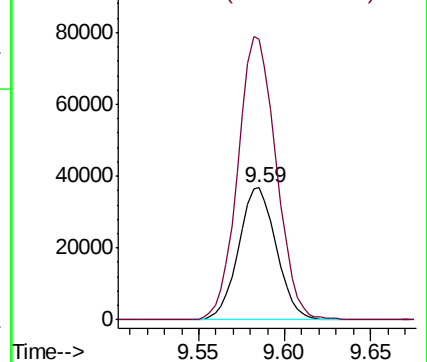
106 100

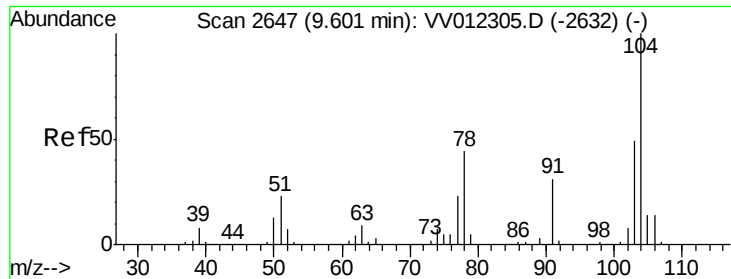
91 213.2 148.7 276.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#55

Styrene

Concen: 0.269 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. -0.01 min

Lab File: VV012308.D

Acq: 20 Aug 2019 13:08

Instrument :

MSVOA_V

ClientSampleId :

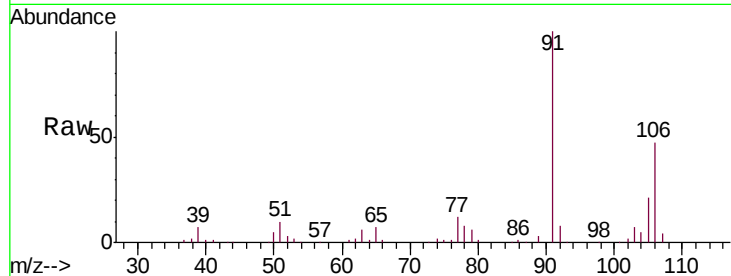
C0AE2DL

Tgt Ion:104 Resp: 7247

Ion Ratio Lower Upper

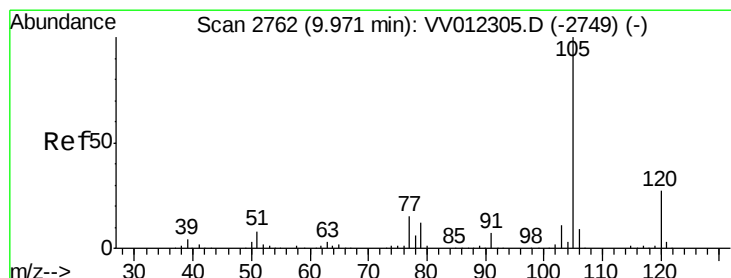
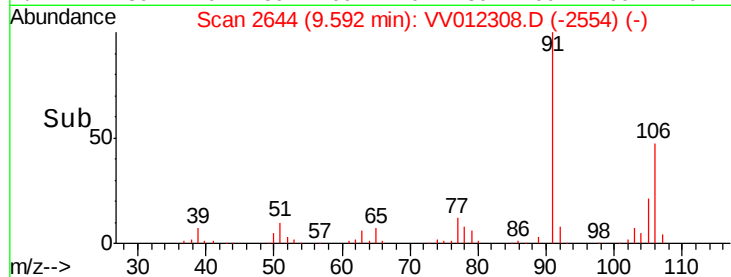
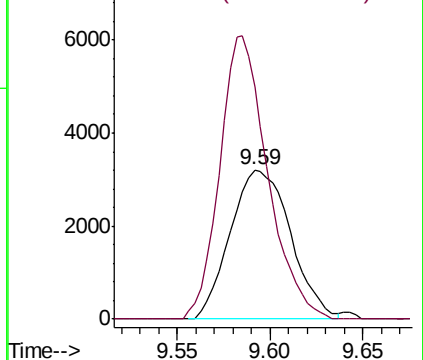
104 100

78 155.3 30.8 57.2#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0



#56

Isopropylbenzene

Concen: 0.798 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV012308.D

Acq: 20 Aug 2019 13:08

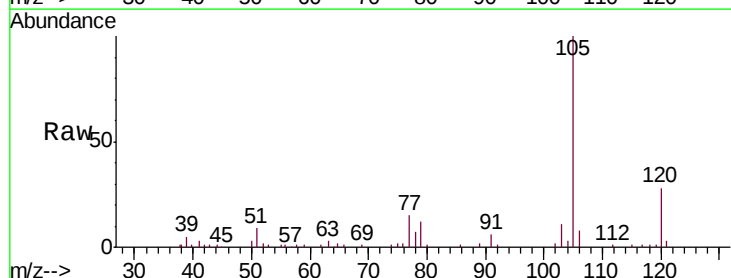
Tgt Ion:105 Resp: 35137

Ion Ratio Lower Upper

105 100

120 26.1 21.4 32.0

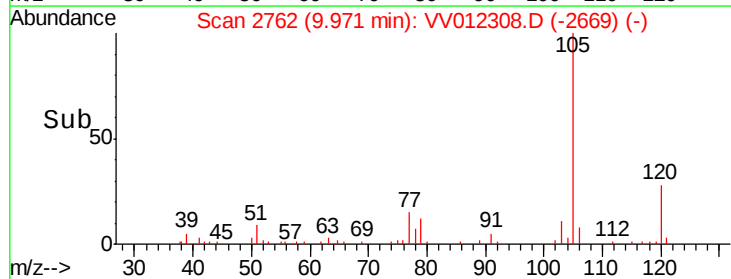
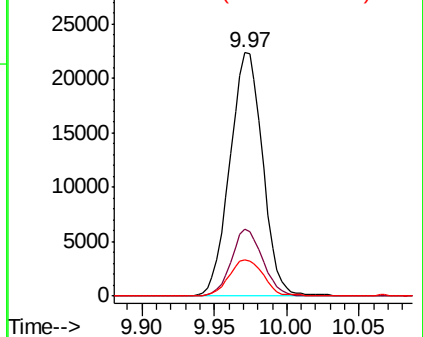
77 15.7 12.2 18.2

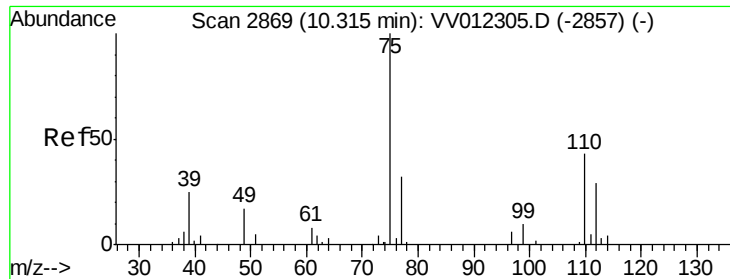


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VV0

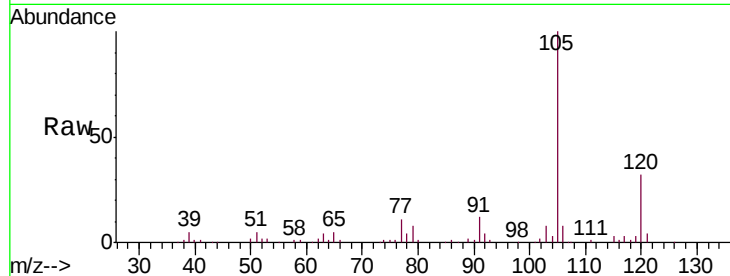




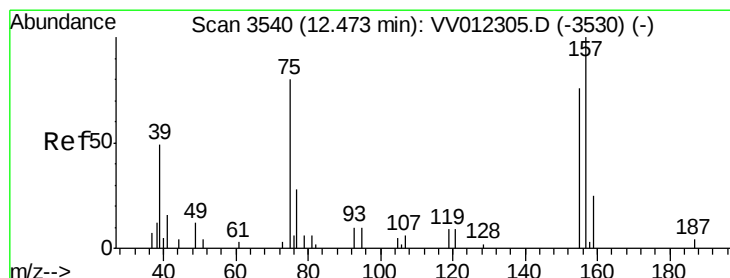
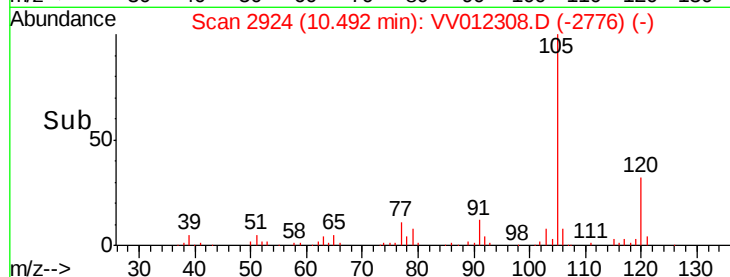
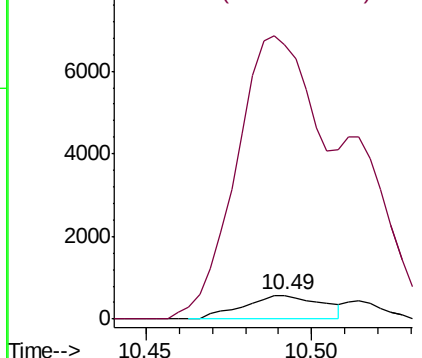
#59
 1,2,3-Trichloropropane
 Concen: 0.193 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.18 min
 Lab File: VV012308.D
 Acq: 20 Aug 2019 13:08

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AE2DL

Tgt Ion: 75 Resp: 960
 Ion Ratio Lower Upper
 75 100
 77 1261.3 25.8 38.8#

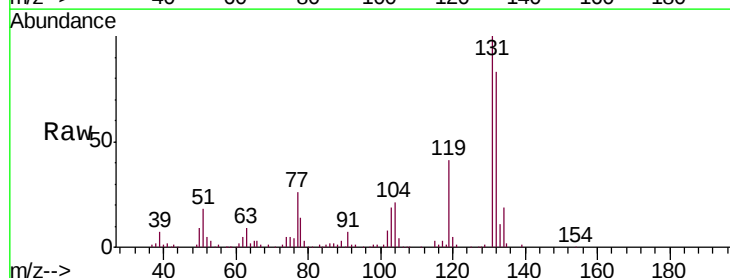


Abundance Ion 75.00 (74.70 to 75.70): VV012308.D (-2857) (-)
 Ion 77.00 (76.70 to 77.70): VV012308.D (-2857) (-)



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.208 ug/L
 RT: 12.50 min Scan# 3550
 Delta R.T. 0.03 min
 Lab File: VV012308.D
 Acq: 20 Aug 2019 13:08

Tgt Ion: 75 Resp: 6018
 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): VV012308.D (-3447) (-)
 Ion 154.95 (154.65 to 155.65): VV012308.D (-3447) (-)
 Ion 156.90 (156.60 to 157.60): VV012308.D (-3447) (-)

