

Data File : VV010383.D
Acq On : 19 Apr 2019 13:02
Operator : SY/MD
Sample : K2402-08MS
Misc : 5.03G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAHH9MS

Quant Time: Apr 20 02:31:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 20 02:27:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	333229	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	305468	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	160650	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	70178	16.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.32%
7) Chloroethane-d5	1.57	69	68512	19.28	ug/L	0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.12%
10) 1,1-Dichloroethene-d2	2.13	63	198904	19.48	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	77.92%
20) 2-Butanone-d5	3.93	46	48728	36.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	73.96%
24) Chloroform-d	4.40	84	171354	19.56	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	78.24%
26) 1,2-Dichloroethane-d4	5.08	65	107243	20.74	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	82.96%
29) Benzene-d6	5.10	84	330939	21.17	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.68%
33) 1,2-Dichloropropane-d6	6.12	67	102355	22.37	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.48%
37) Toluene-d8	7.36	98	307340	20.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.80%
38) trans-1,3-Dichloropropene-	7.66	79	43611	19.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	77.52%
39) 2-Hexanone-d5	8.13	63	39787	39.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	78.10%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	88135	19.26	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	77.04%
61) 1,2-Dichlorobenzene-d4	11.67	152	134371	21.27	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.08%

Target Compounds

						Qvalue
12) 1,1-Dichloroethene	2.14	96	107952	24.937	ug/L	94
13) Acetone	2.19	43	4237	3.047	ug/L	96
16) Methylene chloride	2.53	84	14512	2.727	ug/L	99
25) Chloroform	4.43	83	6866	0.840	ug/L #	25
34) Benzene	5.14	78	424241	28.460	ug/L	100
35) Trichloroethene	5.96	95	117821	26.715	ug/L	98
44) Toluene	7.43	91	472012	28.088	ug/L	99
52) Chlorobenzene	8.93	112	322131	27.549	ug/L	99
53) Ethylbenzene	9.05	91	17816	0.933	ug/L	99
54) m,p-Xylene	9.18	106	162008	21.921	ug/L	98
55) o-xylene	9.59	106	104334	14.638	ug/L	95
56) Styrene	9.60	104	60154	4.943	ug/L	87
57) Isopropylbenzene	9.97	105	34507	1.817	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.46	75	11953	15.811	ug/L #	1
69) Naphthalene	13.62	128	553040	45.986	ug/L #	61

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041819\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Sat Apr 20 02:27:31 2019
Response via : Initial Calibration

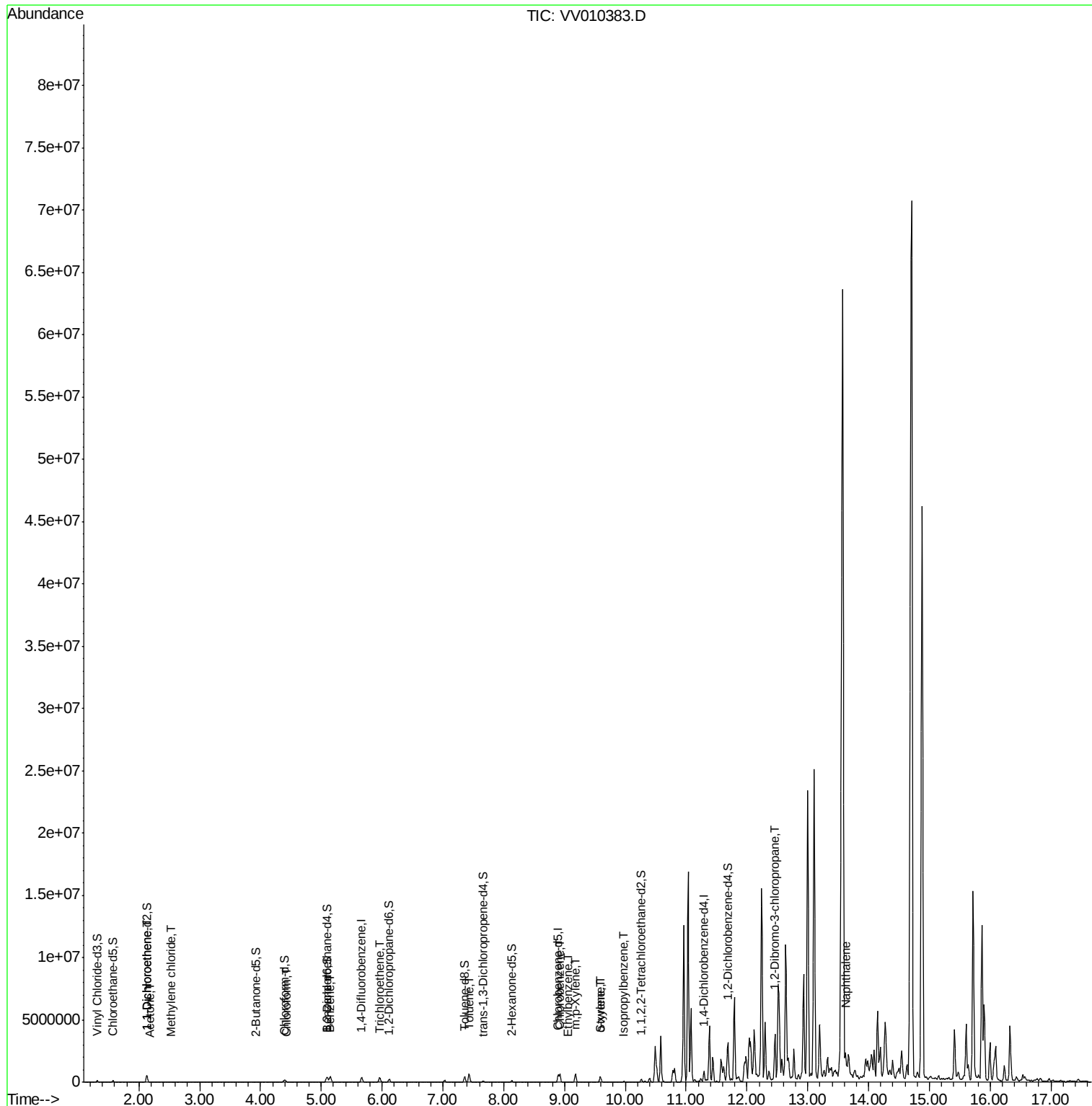
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

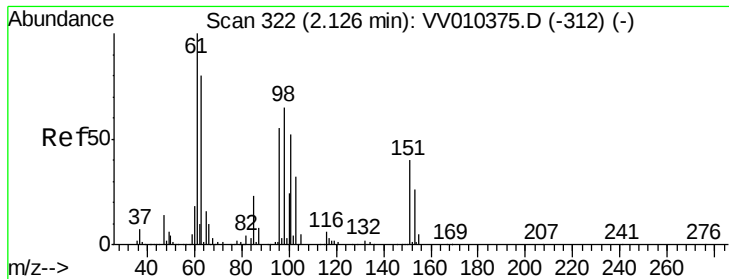
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#12

1,1-Dichloroethene

Concen: 24.937 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.01 min

Lab File: VV010383.D

Acq: 19 Apr 2019 13:02

Instrument :

MSVOA_V

ClientSampleId :

GAHH9MS

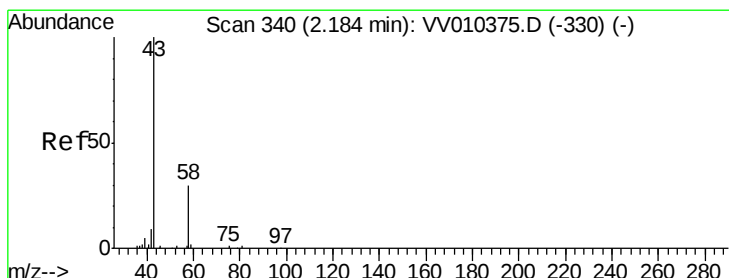
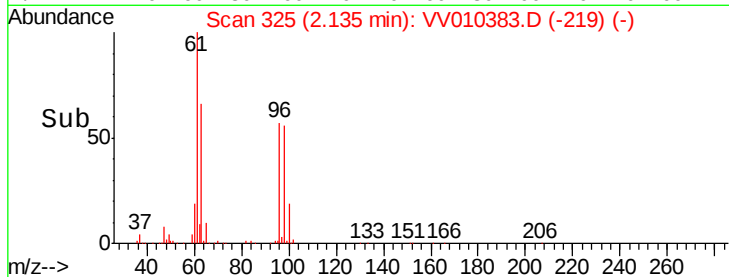
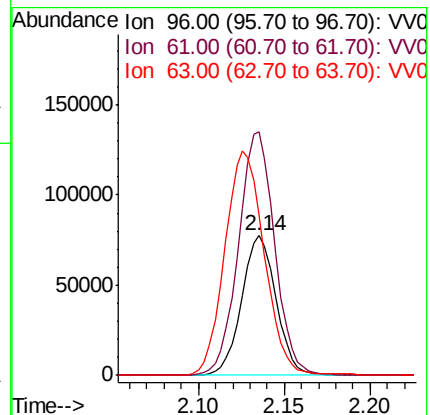
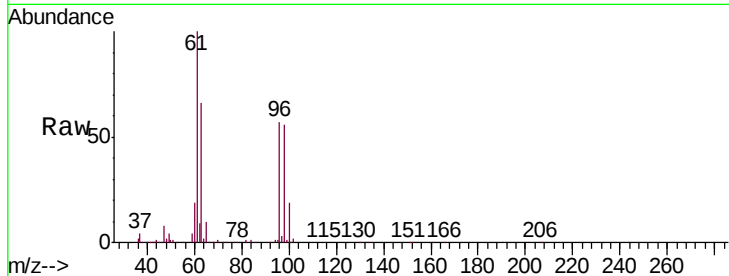
Tgt Ion: 96 Resp: 107952

Ion Ratio Lower Upper

96 100

61 174.1 124.7 231.5

63 114.4 88.7 164.7



#13

Acetone

Concen: 3.047 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV010383.D

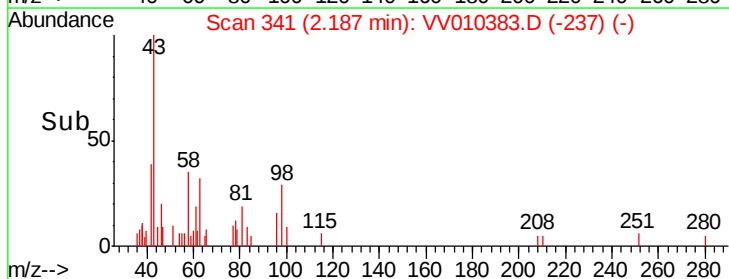
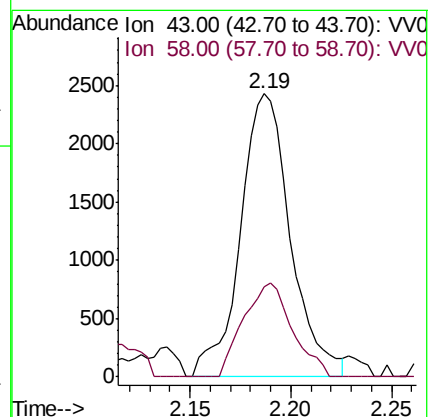
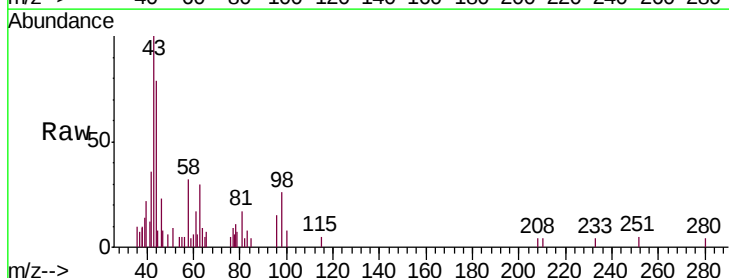
Acq: 19 Apr 2019 13:02

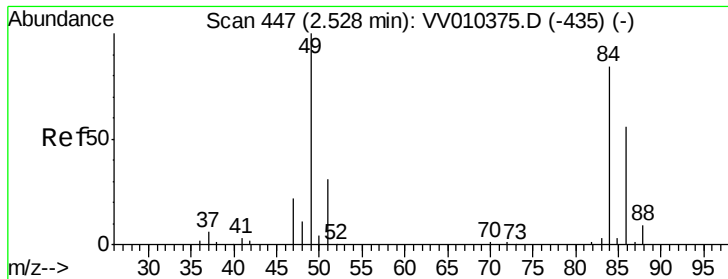
Tgt Ion: 43 Resp: 4237

Ion Ratio Lower Upper

43 100

58 32.3 0.0 60.0

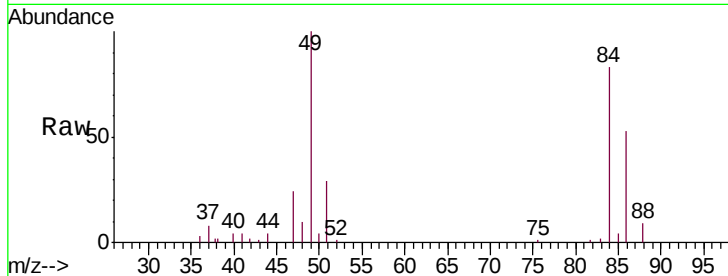




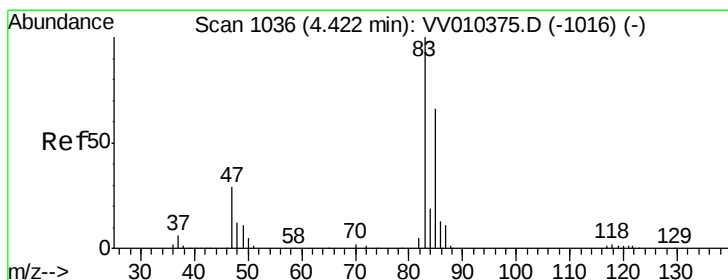
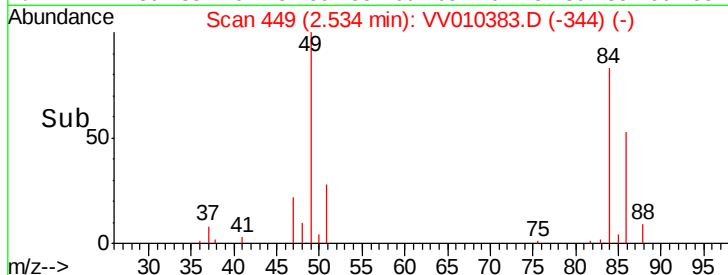
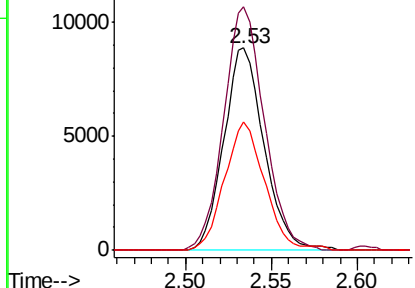
#16
Methylene chloride
Concen: 2.727 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.01 min
Lab File: VV010383.D
Acq: 19 Apr 2019 13:02

Instrument :
MSVOA_V
ClientSampleId :
GAHH9MS

Tgt Ion: 84 Resp: 14512
Ion Ratio Lower Upper
84 100
49 120.3 83.8 155.6
86 63.4 46.1 85.5

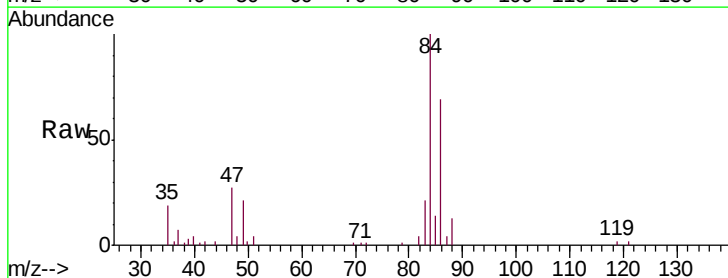


Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 49.00 (48.70 to 49.70): VV0
Ion 86.00 (85.70 to 86.70): VV0

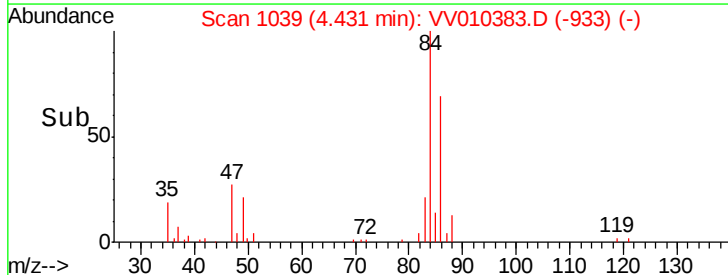
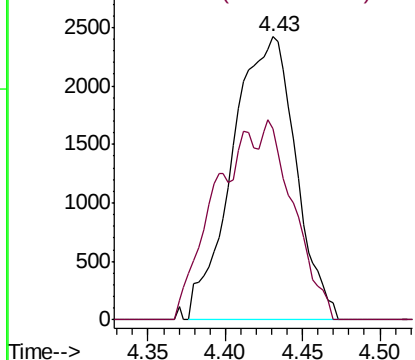


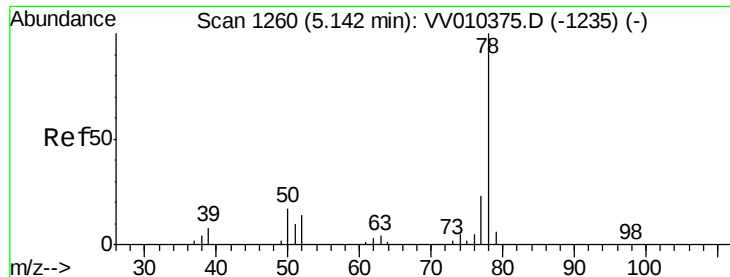
#25
Chloroform
Concen: 0.840 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VV010383.D
Acq: 19 Apr 2019 13:02

Tgt Ion: 83 Resp: 6866
Ion Ratio Lower Upper
83 100
85 6.8 46.5 86.5#



Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0





#34

Benzene

Concen: 28.460 ug/L

RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VV010383.D

Acq: 19 Apr 2019 13:02

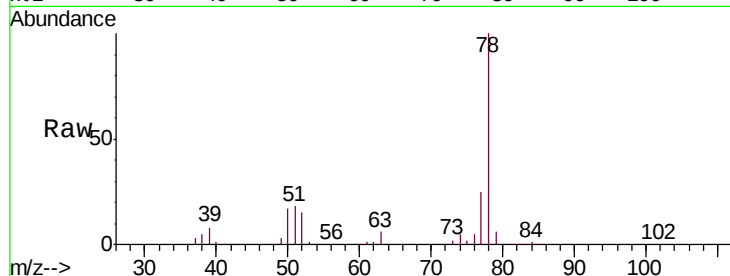
Instrument :

MSVOA_V

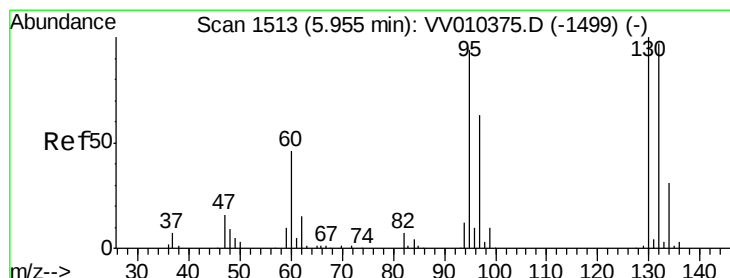
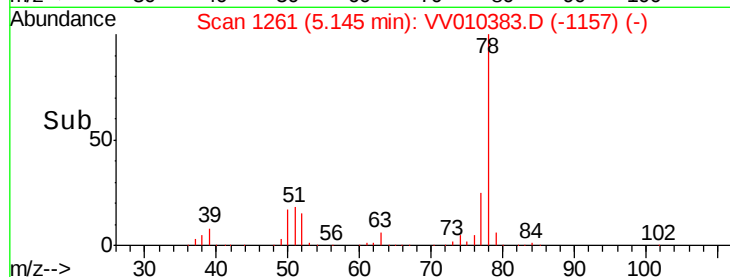
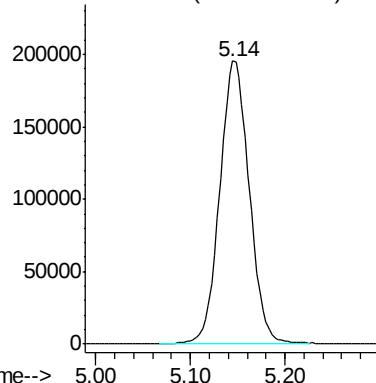
ClientSampleId :

GAHH9MS

Tgt Ion: 78 Resp: 424241



Abundance Ion 78.00 (77.70 to 78.70): VV0



#35

Trichloroethene

Concen: 26.715 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV010383.D

Acq: 19 Apr 2019 13:02

Tgt Ion: 95 Resp: 117821

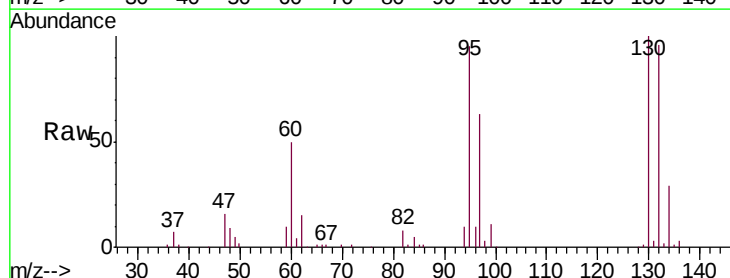
Ion	Ratio	Lower	Upper
95	100		
97	64.2	45.6	84.8
132	99.3	71.5	132.7
130	103.5	74.0	137.4

95 100

97 64.2 45.6 84.8

132 99.3 71.5 132.7

130 103.5 74.0 137.4

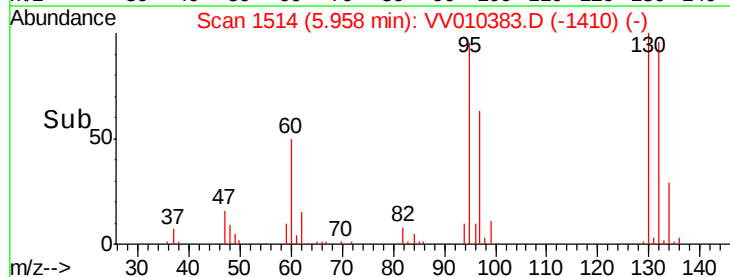
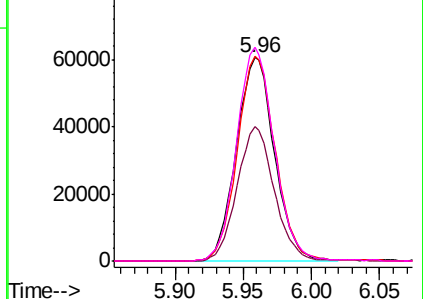


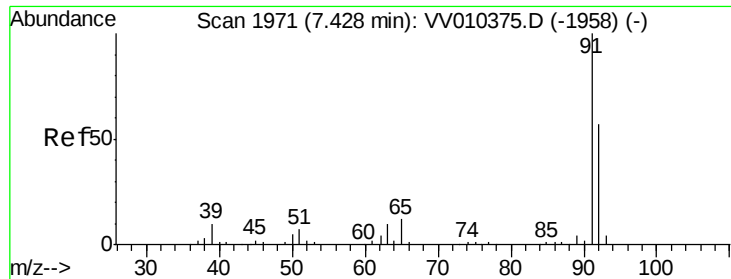
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0





#44

Toluene

Concen: 28.088 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010383.D

Acq: 19 Apr 2019 13:02

Instrument :

MSVOA_V

ClientSampleId :

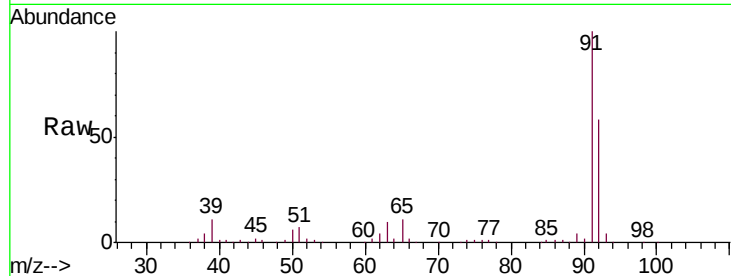
GAHH9MS

Tgt Ion: 91 Resp: 472012

Ion Ratio Lower Upper

91 100

92 57.7 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.43

300000

250000

200000

150000

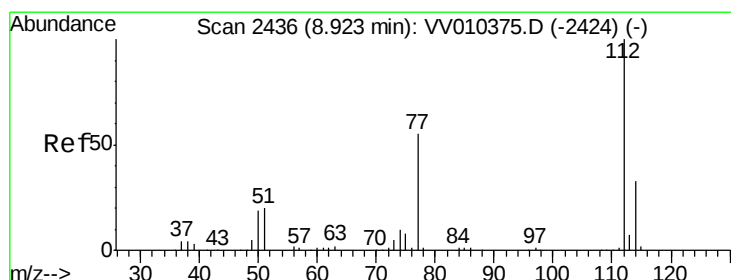
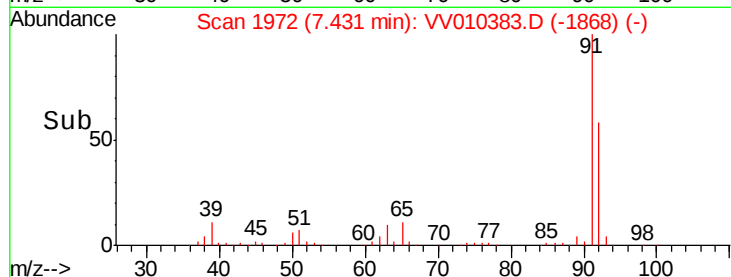
100000

50000

0

7.35 7.40 7.45 7.50 7.55

Time-->



#52

Chlorobenzene

Concen: 27.549 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV010383.D

Acq: 19 Apr 2019 13:02

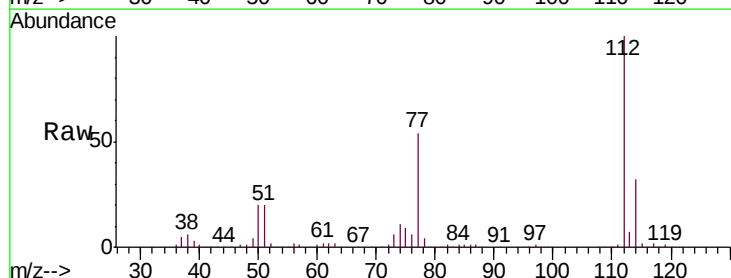
Tgt Ion: 112 Resp: 322131

Ion Ratio Lower Upper

112 100

77 54.3 43.0 64.4

114 32.3 22.5 41.9



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V

250000

200000

150000

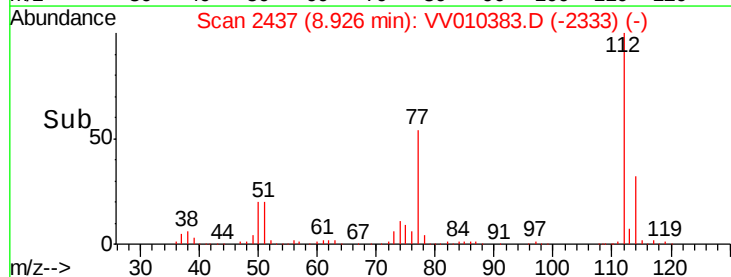
100000

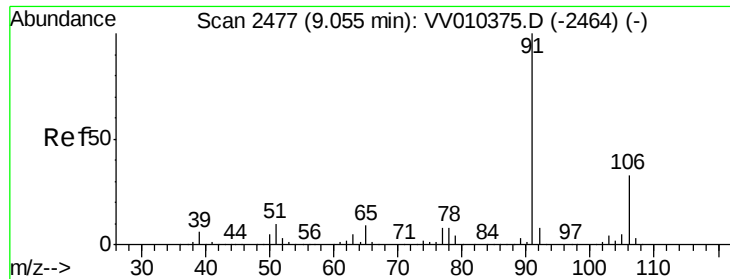
50000

0

8.85 8.90 8.95 9.00

Time-->





#53

Ethylbenzene

Concen: 0.933 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV010383.D

Acq: 19 Apr 2019 13:02

Instrument :

MSVOA_V

ClientSampleId :

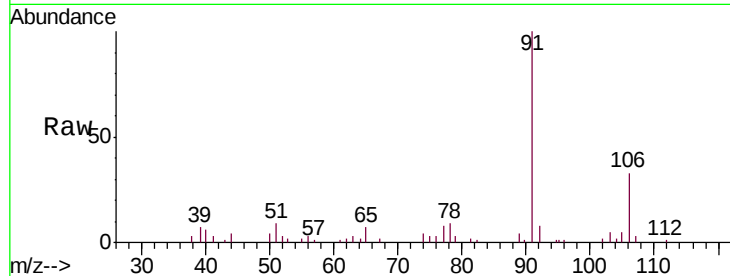
GAHH9MS

Tgt Ion: 91 Resp: 17816

Ion Ratio Lower Upper

91 100

106 32.6 22.5 41.9



Abundance Ion 91.00 (90.70 to 91.70): VV010375.D (-2464) (-)

Ion 106.00 (105.70 to 106.70): VV010383.D (-2374) (-)

9.05

12000

10000

8000

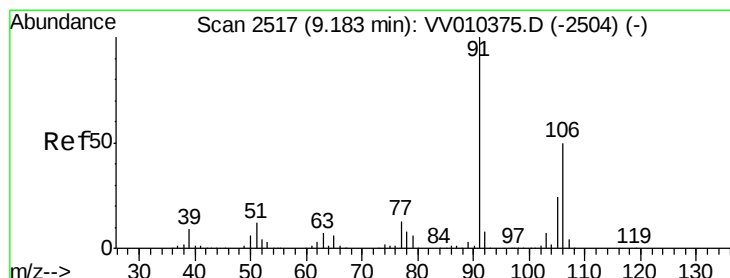
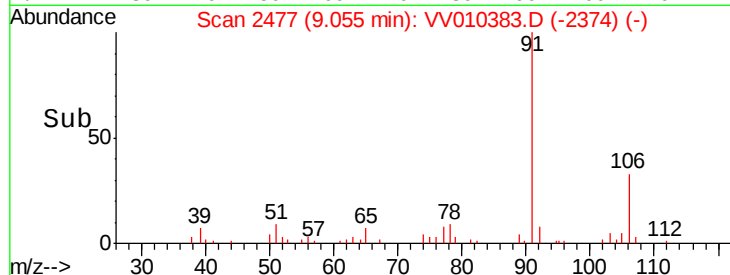
6000

4000

2000

0

Time-->



#54

m,p-Xylene

Concen: 21.921 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV010383.D

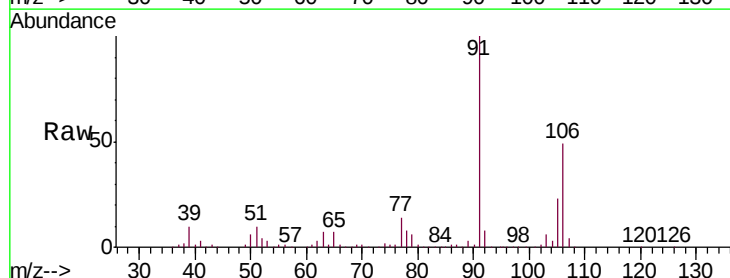
Acq: 19 Apr 2019 13:02

Tgt Ion: 106 Resp: 162008

Ion Ratio Lower Upper

106 100

91 205.4 141.6 263.0



Abundance Ion 106.00 (105.70 to 106.70): VV010383.D (-2414) (-)

Ion 91.00 (90.70 to 91.70): VV010375.D (-2504) (-)

9.18

250000

200000

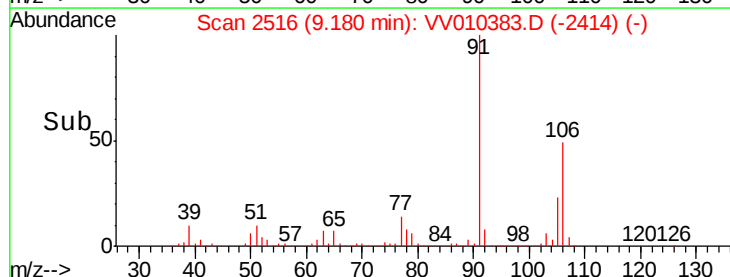
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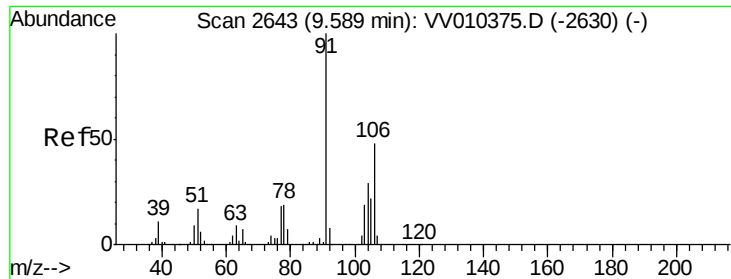
100000

50000

0

Time-->





#55

o-xylene

Concen: 14.638 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV010383.D

Acq: 19 Apr 2019 13:02

Instrument :

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ClientSampleId :

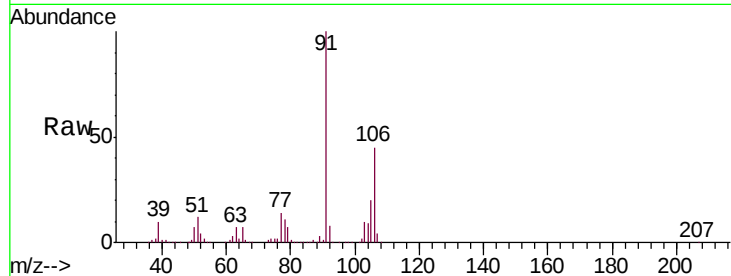
GAHH9MS

Tgt Ion:106 Resp: 104334

Ion Ratio Lower Upper

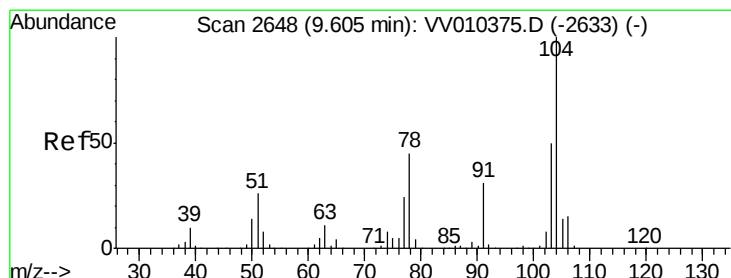
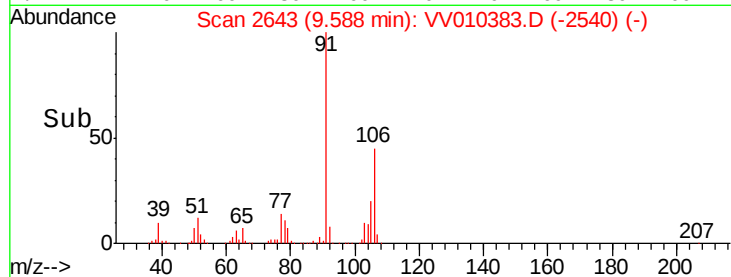
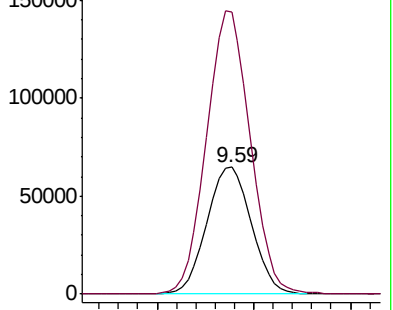
106 100

91 222.1 150.1 278.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 4.943 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. -0.00 min

Lab File: VV010383.D

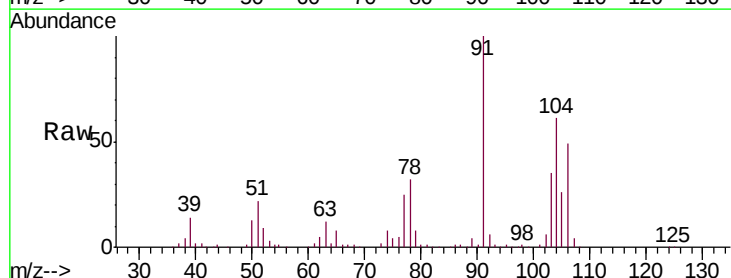
Acq: 19 Apr 2019 13:02

Tgt Ion:104 Resp: 60154

Ion Ratio Lower Upper

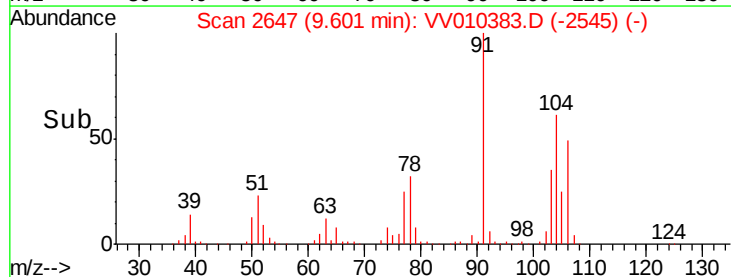
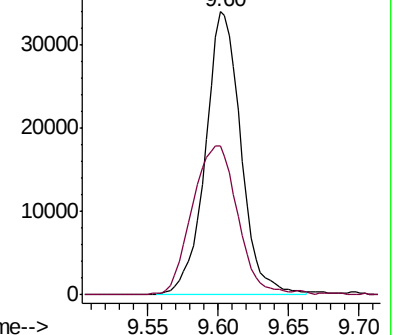
104 100

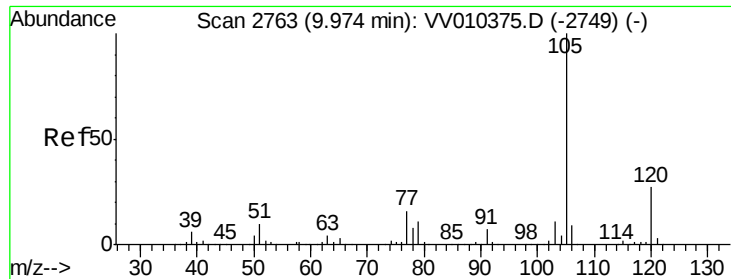
78 52.5 30.7 56.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 1.817 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV010383.D

Acq: 19 Apr 2019 13:02

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GAHH9MS

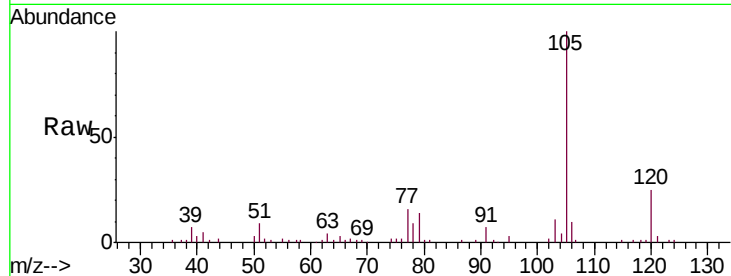
Tgt Ion: 105 Resp: 34507

Ion Ratio Lower Upper

105 100

120 25.8 21.9 32.9

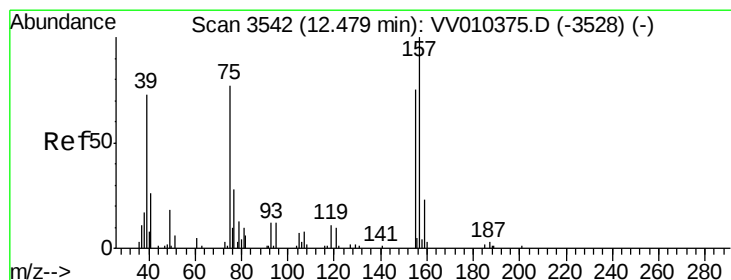
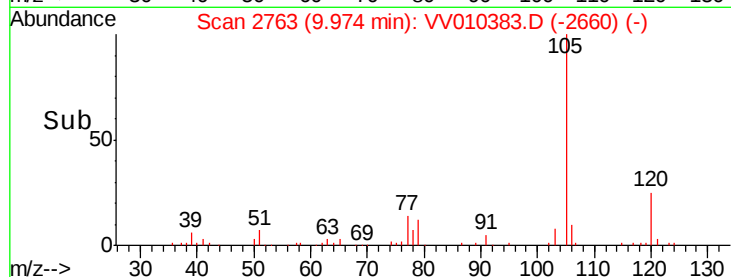
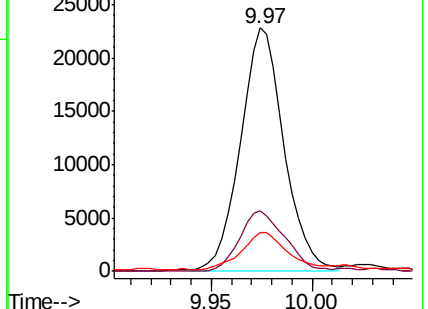
77 15.7 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 15.811 ug/L

RT: 12.46 min Scan# 3536

Delta R.T. -0.02 min

Lab File: VV010383.D

Acq: 19 Apr 2019 13:02

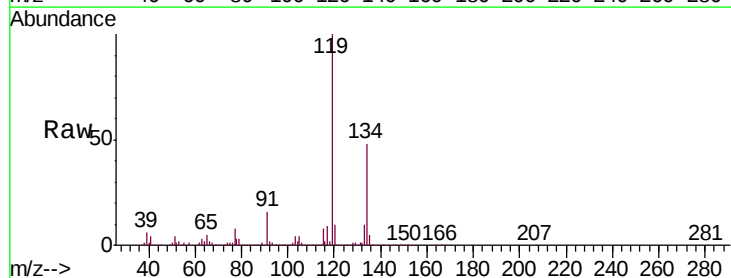
Tgt Ion: 75 Resp: 11953

Ion Ratio Lower Upper

75 100

157 0.0 100.6 151.0#

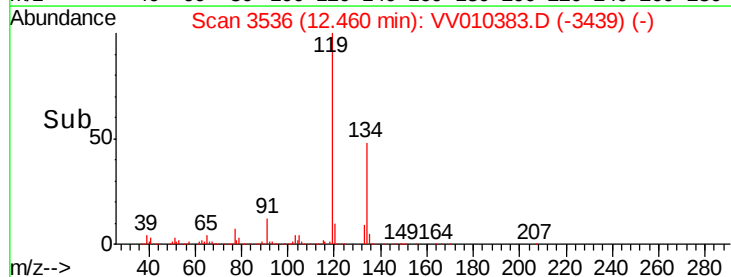
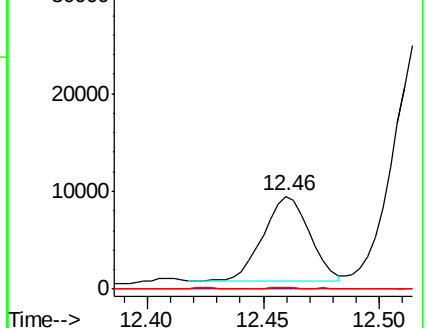
155 2.5 75.1 112.7#

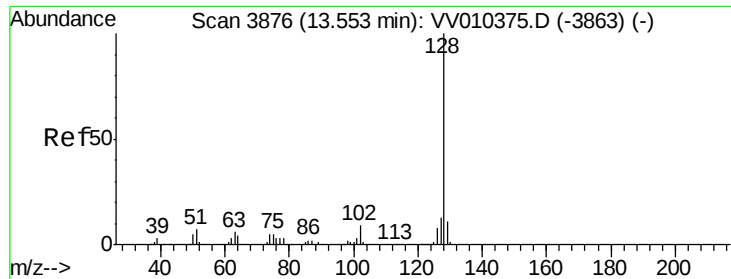


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V





#69

Naphthalene

Concen: 45.986 ug/L

RT: 13.62 min Scan# 3897

Delta R.T. 0.07 min

Lab File: VV010383.D

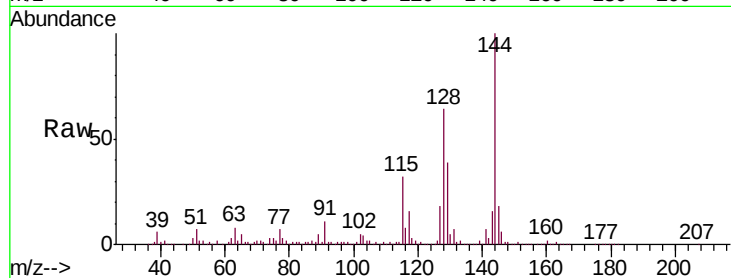
Acq: 19 Apr 2019 13:02

Instrument :

MSVOA_V

ClientSampleId :

GAHH9MS



Tgt Ion:128 Resp: 553040

Ion Ratio Lower Upper

128 100

129 39.2 8.7 13.1#

127 17.7 10.7 16.1#

