

Data File : VV010447.D
Acq On : 23 Apr 2019 10:27
Operator : SY/MD
Sample : K2481-07
Misc : 5.08G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAHW2

Quant Time: Apr 24 02:13:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 24 02:09:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	39426	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	26259	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	8032	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	10420	19.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.72%
7) Chloroethane-d5	1.58	69	9811	23.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.88%
10) 1,1-Dichloroethene-d2	2.13	63	15905	15.68	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.72%
20) 2-Butanone-d5	4.07	46	251	1.98	ug/L	0.14
Spiked Amount	50.000	Range	20 - 135	Recovery	=	3.96%#
24) Chloroform-d	4.40	84	25091	26.04	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.16%
26) 1,2-Dichloroethane-d4	5.08	65	14920	25.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.96%
29) Benzene-d6	5.10	84	40109	33.08	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	132.32%
33) 1,2-Dichloropropane-d6	6.12	67	12269	34.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	137.24%#
37) Toluene-d8	7.36	98	27894	22.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.36%
38) trans-1,3-Dichloropropene-	7.66	79	3726	21.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.64%
39) 2-Hexanone-d5	8.14	63	3487	49.09	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.18%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	8028	23.04	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.16%
61) 1,2-Dichlorobenzene-d4	11.67	152	6401	20.97	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.88%

Target Compounds

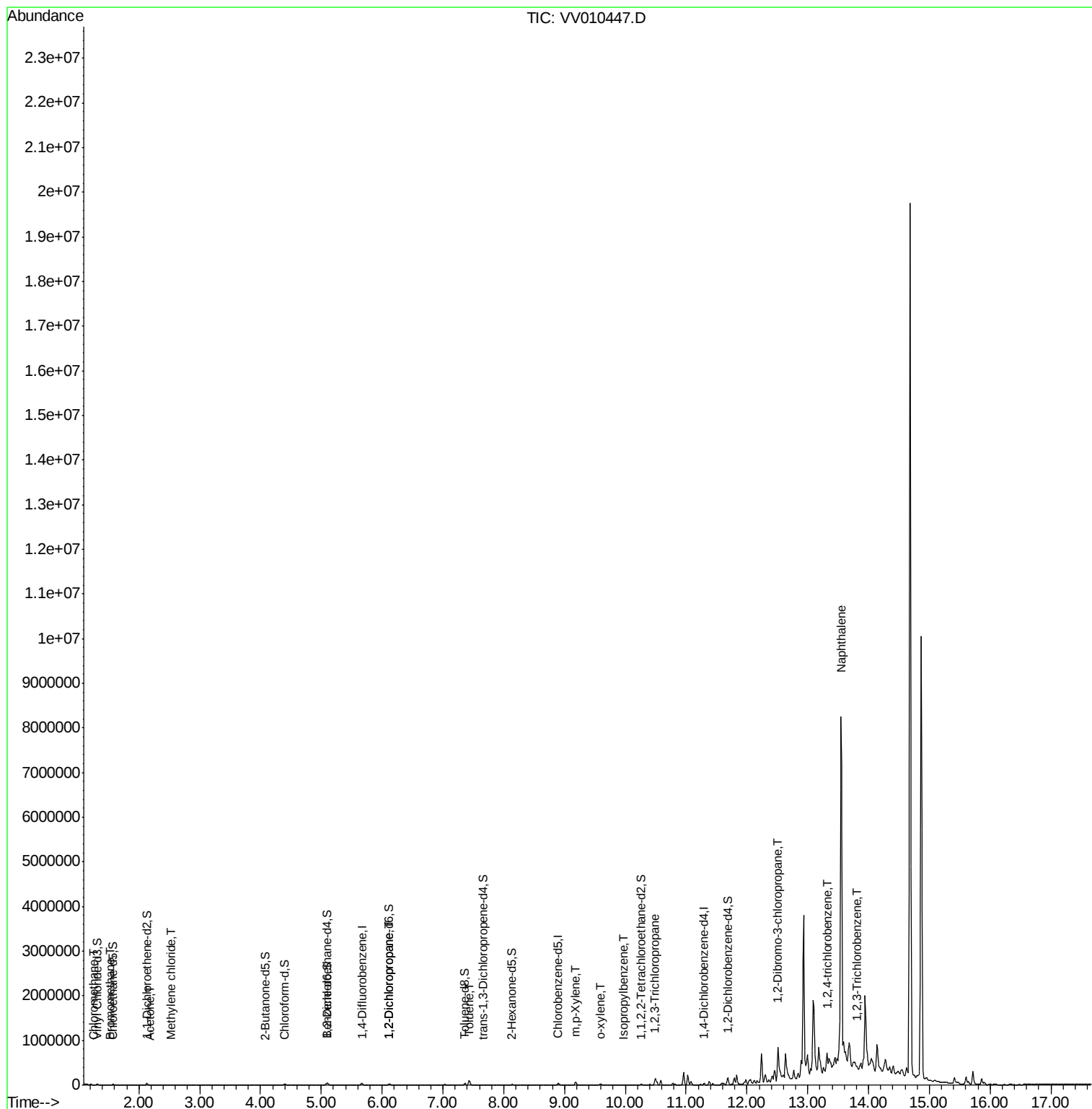
						Qvalue
3) Chloromethane	1.25	50	376	0.754	ug/L #	43
6) Bromomethane	1.53	94	253	0.823	ug/L	74
13) Acetone	2.19	43	1924	14.133	ug/L	70
16) Methylene chloride	2.53	84	1448	2.504	ug/L	99
40) 1,2-Dichloropropane	6.12	63	1224	4.285	ug/L #	87
44) Toluene	7.43	91	71820	51.203	ug/L	93
54) m,p-Xylene	9.18	106	19749	30.718	ug/L	83
55) o-xylene	9.59	106	6791	10.604	ug/L	94
57) Isopropylbenzene	9.98	105	4908	2.837	ug/L #	88
59) 1,2,3-Trichloropropane	10.50	75	1213	4.933	ug/L #	1
66) 1,2-Dibromo-3-chloropropan	12.51	75	3853	127.359	ug/L #	7
68) 1,2,4-trichlorobenzene	13.31	180	178	0.629	ug/L #	1
69) Naphthalene	13.55	128	6208853	13642.888	ug/L	99
70) 1,2,3-Trichlorobenzene	13.82	180	2907	11.092	ug/L #	1

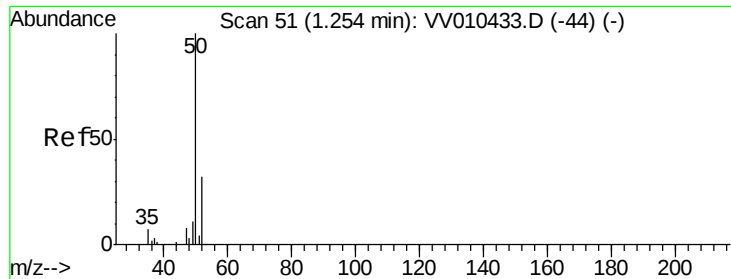
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.754 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.01 min

Lab File: VV010447.D

Acq: 23 Apr 2019 10:27

Instrument :

MSVOA_V

ClientSampleId :

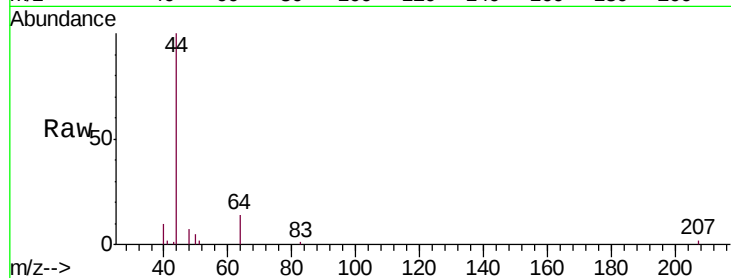
GAHW2

Tgt Ion: 50 Resp: 376

Ion Ratio Lower Upper

50 100

52 0.0 22.3 41.5#



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

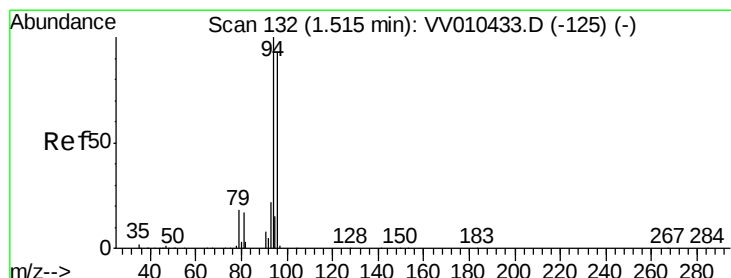
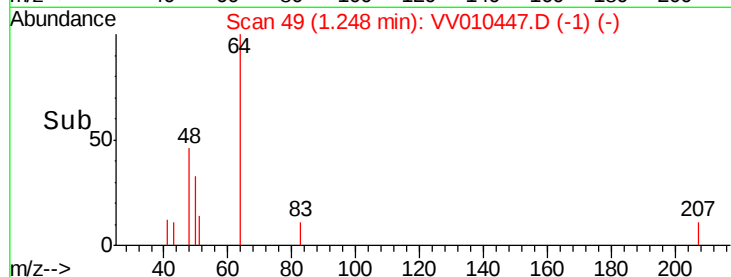
300

200

100

0

Time--> 1.22 1.24 1.26



#6

Bromomethane

Concen: 0.823 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.02 min

Lab File: VV010447.D

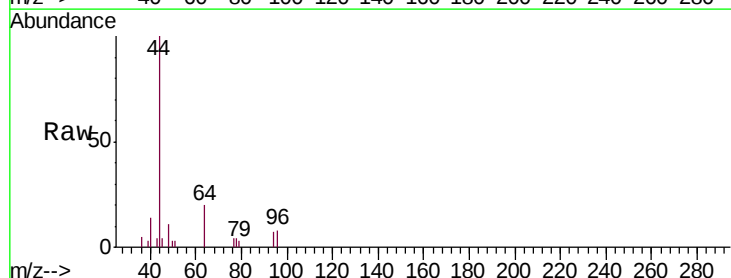
Acq: 23 Apr 2019 10:27

Tgt Ion: 94 Resp: 253

Ion Ratio Lower Upper

94 100

96 120.6 9.5 180.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

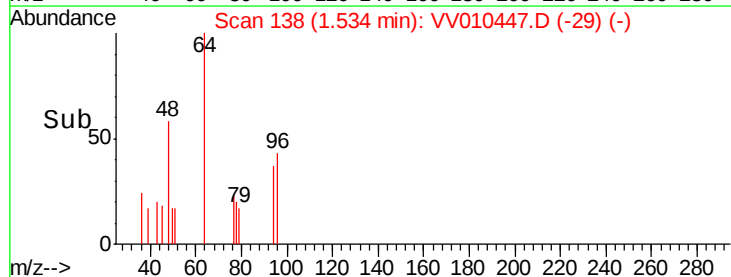
300

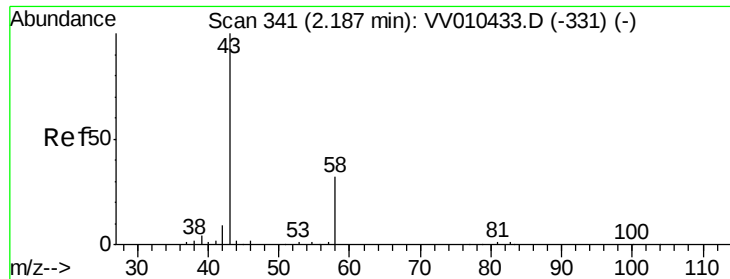
200

100

0

Time--> 1.52 1.53 1.54 1.55





#13

Acetone

Concen: 14.133 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV010447.D

Acq: 23 Apr 2019 10:27

Instrument :

MSVOA_V

ClientSampleId :

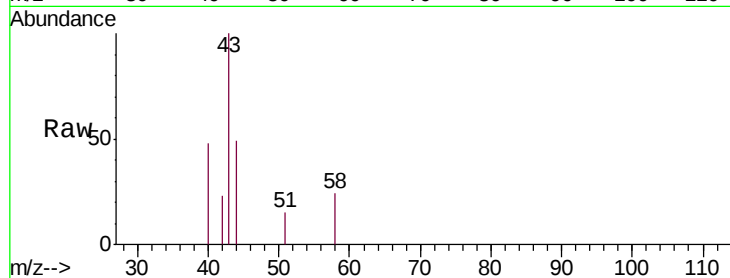
GAHW2

Tgt Ion: 43 Resp: 1924

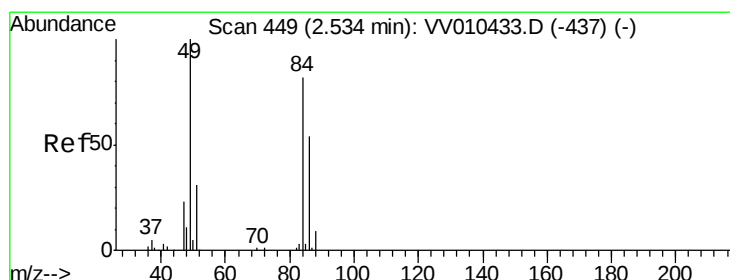
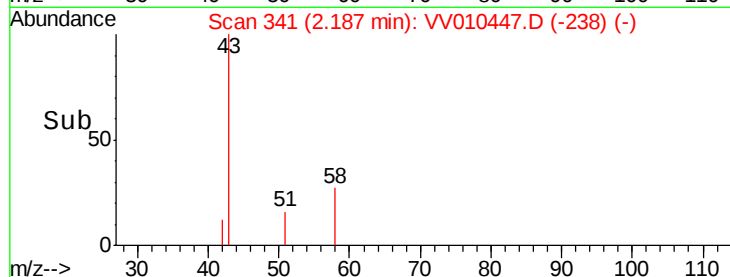
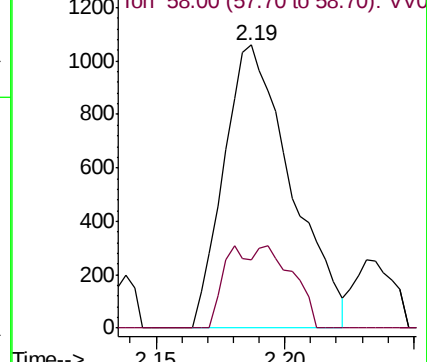
Ion Ratio Lower Upper

43 100

58 16.0 0.0 66.4



Abundance Ion 43.00 (42.70 to 43.70): VV010447.D (-338) (-)



#16

Methylene chloride

Concen: 2.504 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV010447.D

Acq: 23 Apr 2019 10:27

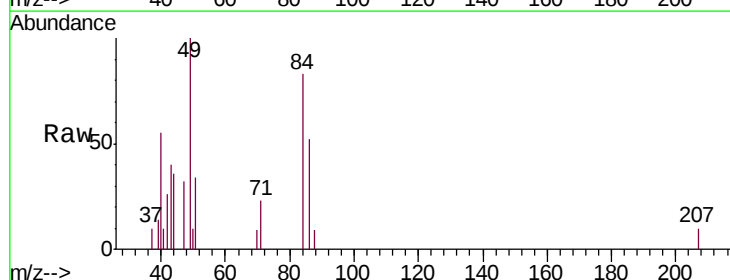
Tgt Ion: 84 Resp: 1448

Ion Ratio Lower Upper

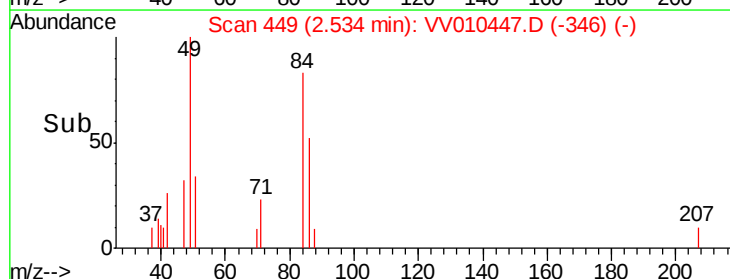
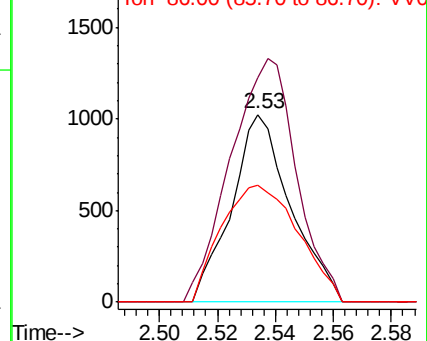
84 100

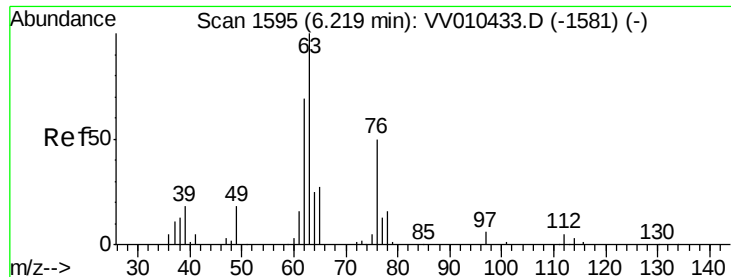
49 119.8 85.0 158.0

86 62.6 43.9 81.5



Abundance Ion 84.00 (83.70 to 84.70): VV010447.D (-346) (-)

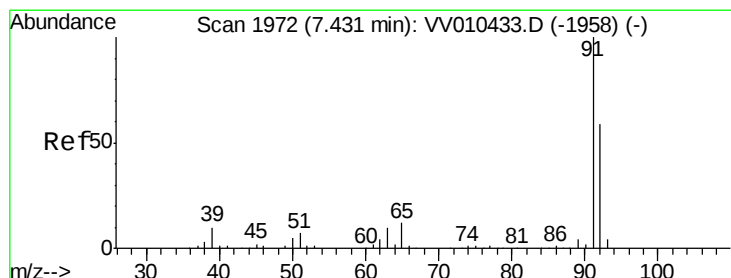
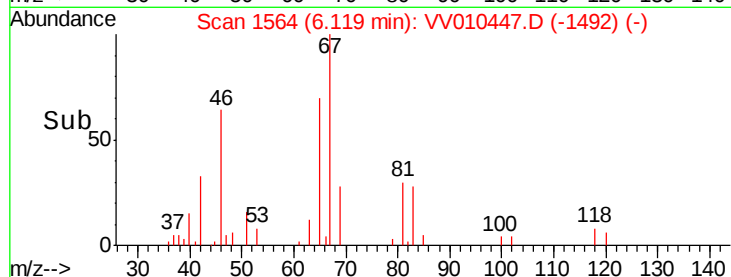
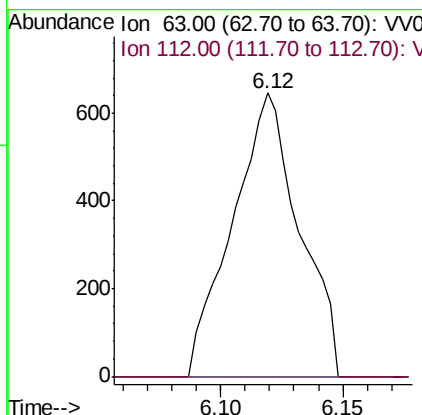
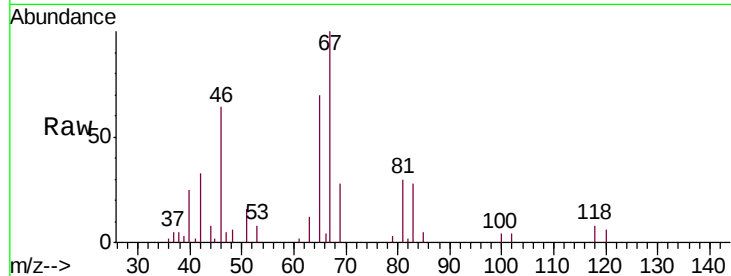




#40
 1,2-Dichloropropane
 Concen: 4.285 ug/L
 RT: 6.12 min Scan# 1564
 Delta R.T. -0.10 min
 Lab File: VV010447.D
 Acq: 23 Apr 2019 10:27

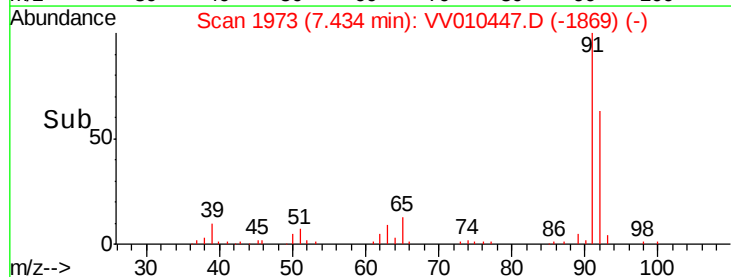
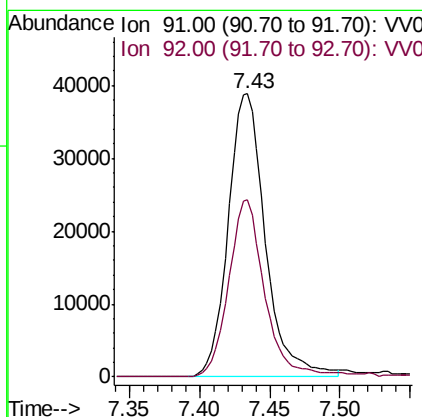
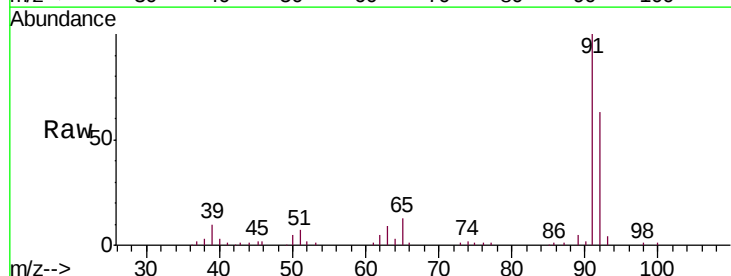
Instrument :
 MSVOA_V
 ClientSampleId :
 GAHW2

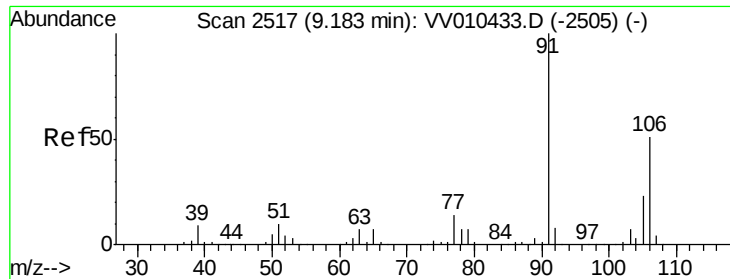
Tgt Ion: 63 Resp: 1224
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#44
 Toluene
 Concen: 51.203 ug/L
 RT: 7.43 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VV010447.D
 Acq: 23 Apr 2019 10:27

Tgt Ion: 91 Resp: 71820
 Ion Ratio Lower Upper
 91 100
 92 62.7 40.5 75.1





#54

m,p-Xylene

Concen: 30.718 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV010447.D

Acq: 23 Apr 2019 10:27

Instrument :

MSVOA_V

ClientSampled :

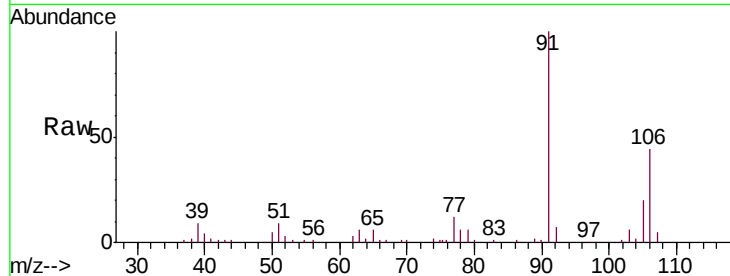
GAHW2

Tgt Ion:106 Resp: 19749

Ion Ratio Lower Upper

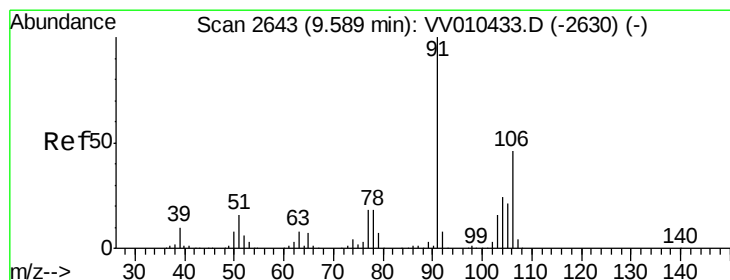
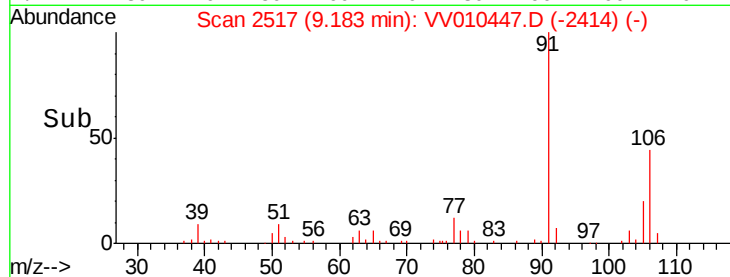
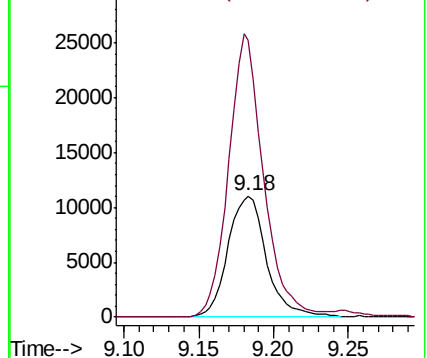
106 100

91 229.8 142.5 264.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

o-xylene

Concen: 10.604 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV010447.D

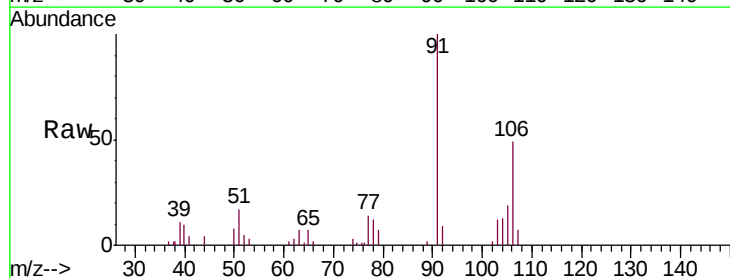
Acq: 23 Apr 2019 10:27

Tgt Ion:106 Resp: 6791

Ion Ratio Lower Upper

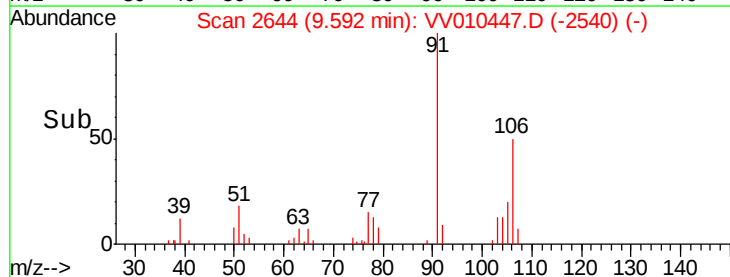
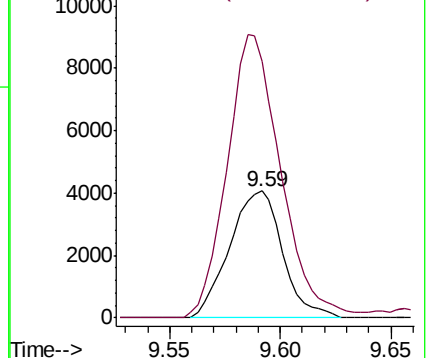
106 100

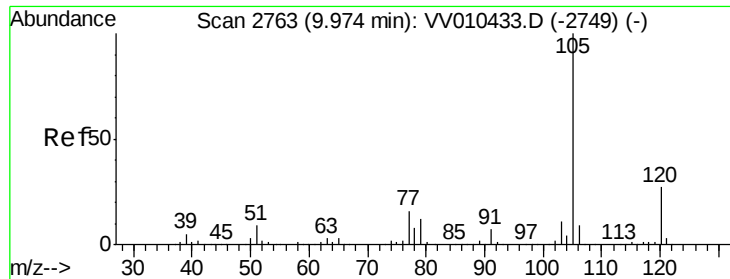
91 202.1 148.5 275.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#57

Isopropylbenzene

Concen: 2.837 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV010447.D

Acq: 23 Apr 2019 10:27

Instrument :

MSVOA_V

ClientSampleId :

GAHW2

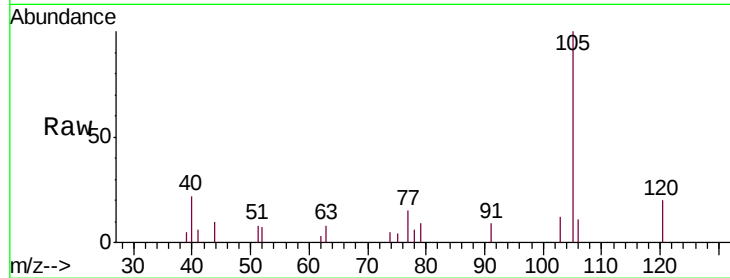
Tgt Ion: 105 Resp: 4908

Ion Ratio Lower Upper

105 100

120 24.0 21.4 32.0

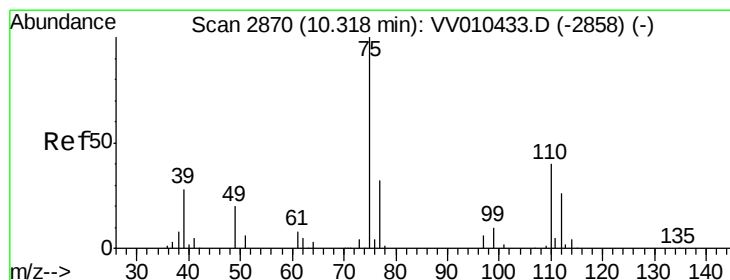
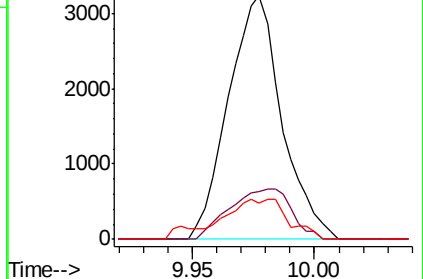
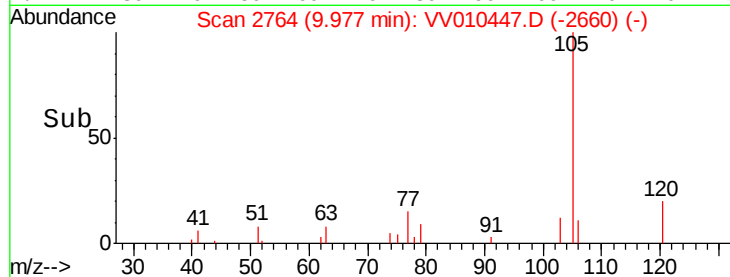
77 6.2 12.9 19.3#



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



#59

1,2,3-Trichloropropane

Concen: 4.933 ug/L

RT: 10.50 min Scan# 2925

Delta R.T. 0.18 min

Lab File: VV010447.D

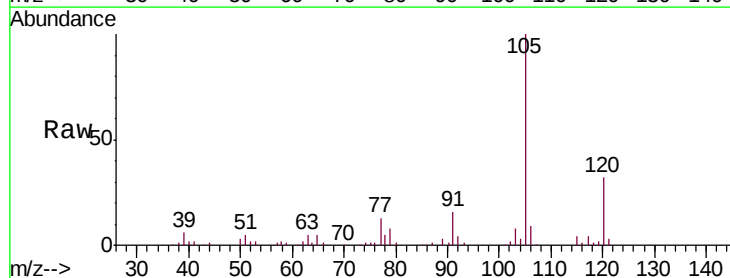
Acq: 23 Apr 2019 10:27

Tgt Ion: 75 Resp: 1213

Ion Ratio Lower Upper

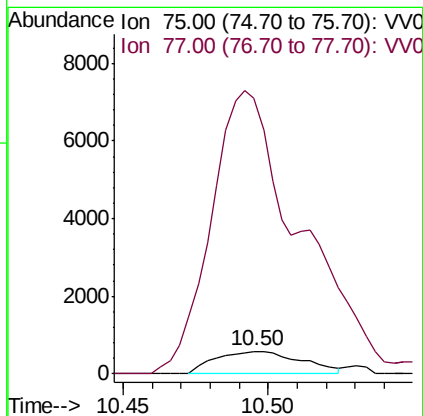
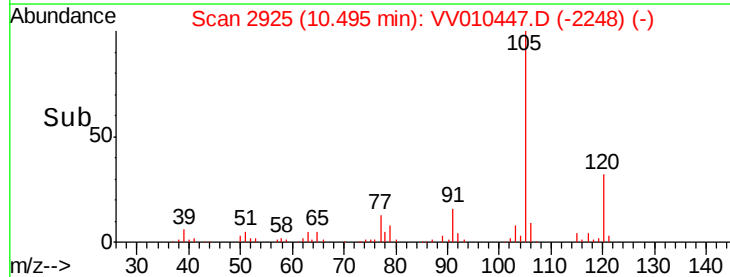
75 100

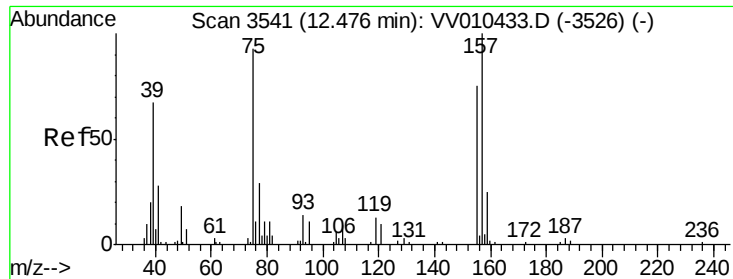
77 950.5 26.2 39.2#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

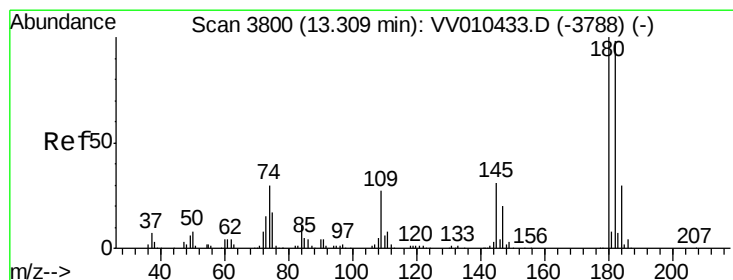
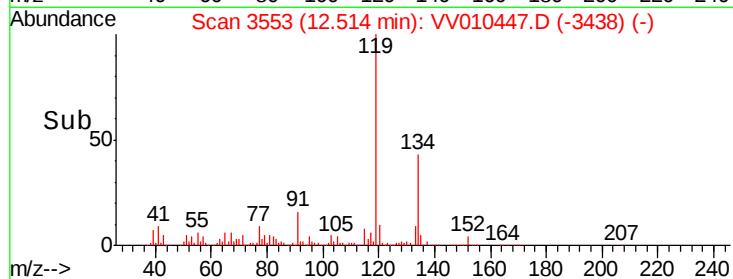
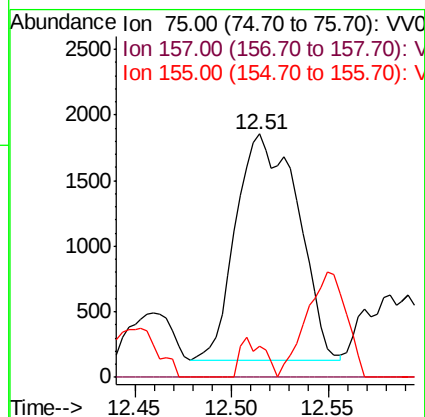
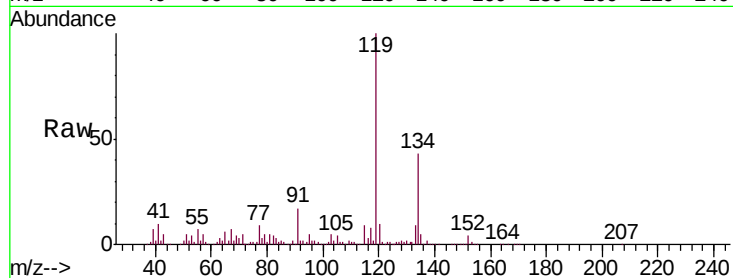




#66
 1,2-Dibromo-3-chloropropane
 Concen: 127.359 ug/L
 RT: 12.51 min Scan# 3553
 Delta R.T. 0.04 min
 Lab File: VV010447.D
 Acq: 23 Apr 2019 10:27

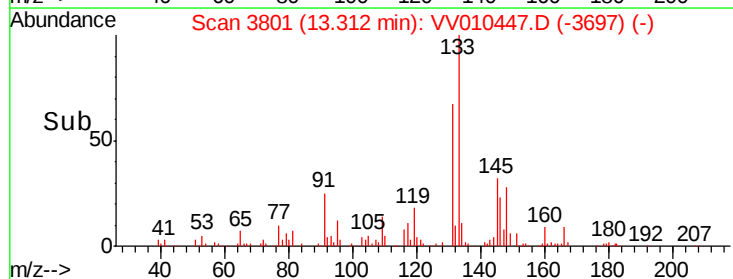
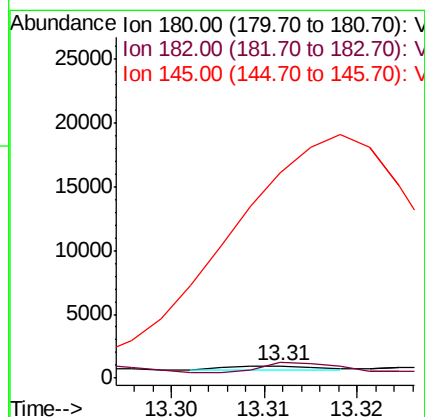
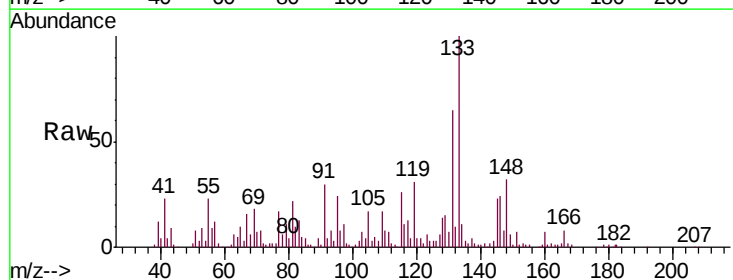
Instrument :
 MSVOA_V
 ClientSampleId :
 GAHW2

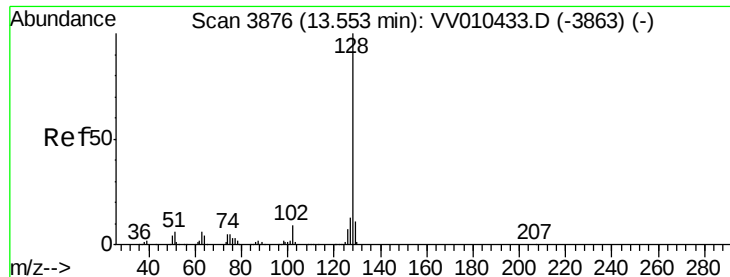
Tgt Ion: 75 Resp: 3853
 Ion Ratio Lower Upper
 75 100
 157 0.0 88.2 132.2#
 155 12.7 66.4 99.6#



#68
 1,2,4-trichlorobenzene
 Concen: 0.629 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV010447.D
 Acq: 23 Apr 2019 10:27

Tgt Ion: 180 Resp: 178
 Ion Ratio Lower Upper
 180 100
 182 233.7 76.3 114.5#
 145 0.0 25.1 37.7#





#69

Naphthalene

Concen: 13642.888 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV010447.D

Acq: 23 Apr 2019 10:27

Instrument :

MSVOA_V

ClientSampled :

GAHW2

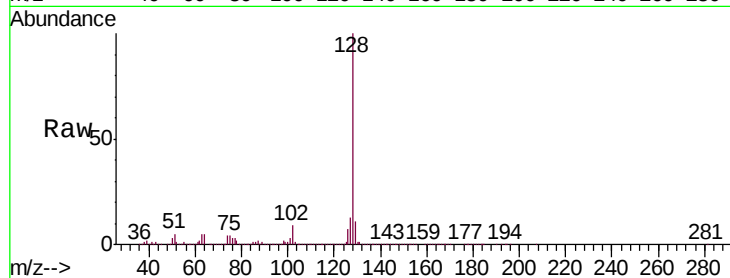
Tgt Ion:128 Resp: 6208853

Ion Ratio Lower Upper

128 100

129 11.3 8.4 12.6

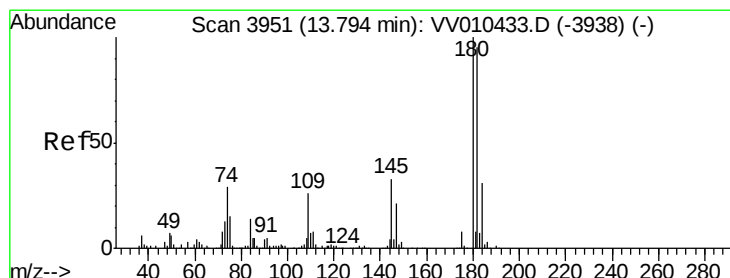
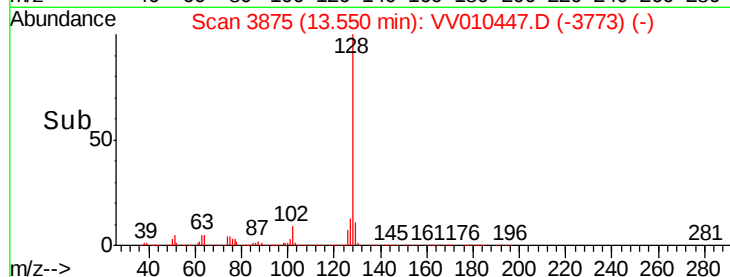
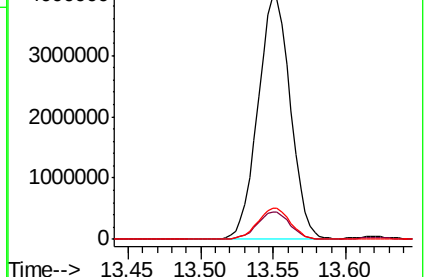
127 12.8 10.2 15.2



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



#70

1,2,3-Trichlorobenzene

Concen: 11.092 ug/L

RT: 13.82 min Scan# 3958

Delta R.T. 0.02 min

Lab File: VV010447.D

Acq: 23 Apr 2019 10:27

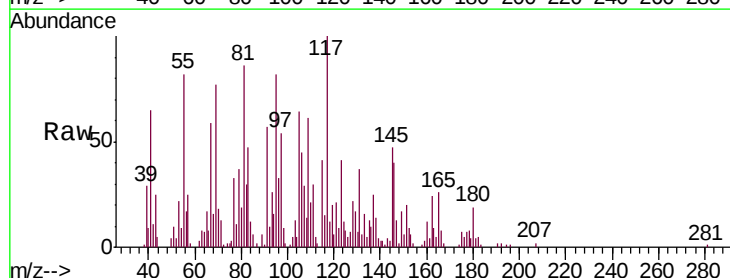
Tgt Ion:180 Resp: 2907

Ion Ratio Lower Upper

180 100

182 14.4 76.6 114.8#

145 402.2 25.8 38.8#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

