

Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.98G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

Quant Time: Apr 04 02:07:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 04 02:03:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	547294	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	521527	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	707898	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	208003	29.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	116.16%
7) Chloroethane-d5	2.89	69	173935	26.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.04%
10) 1,1-Dichloroethene-d2	4.01	63	325195	21.11	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.44%
20) 2-Butanone-d5	7.07	46	117004	50.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.64%
24) Chloroform-d	7.64	84	388753	26.03	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.12%
26) 1,2-Dichloroethane-d4	8.31	65	234314	25.56	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.24%
29) Benzene-d6	8.27	84	761237	27.81	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	111.24%
33) 1,2-Dichloropropane-d6	9.27	67	228020	26.97	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.88%
37) Toluene-d8	10.32	98	746704	29.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	118.00%
38) trans-1,3-Dichloropropene-	10.57	79	97644	24.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.84%
39) 2-Hexanone-d5	10.93	63	94720	59.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	118.86%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	382334	48.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	194.52%#
61) 1,2-Dichlorobenzene-d4	13.86	152	440730	17.74	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	70.96%#

Target Compounds

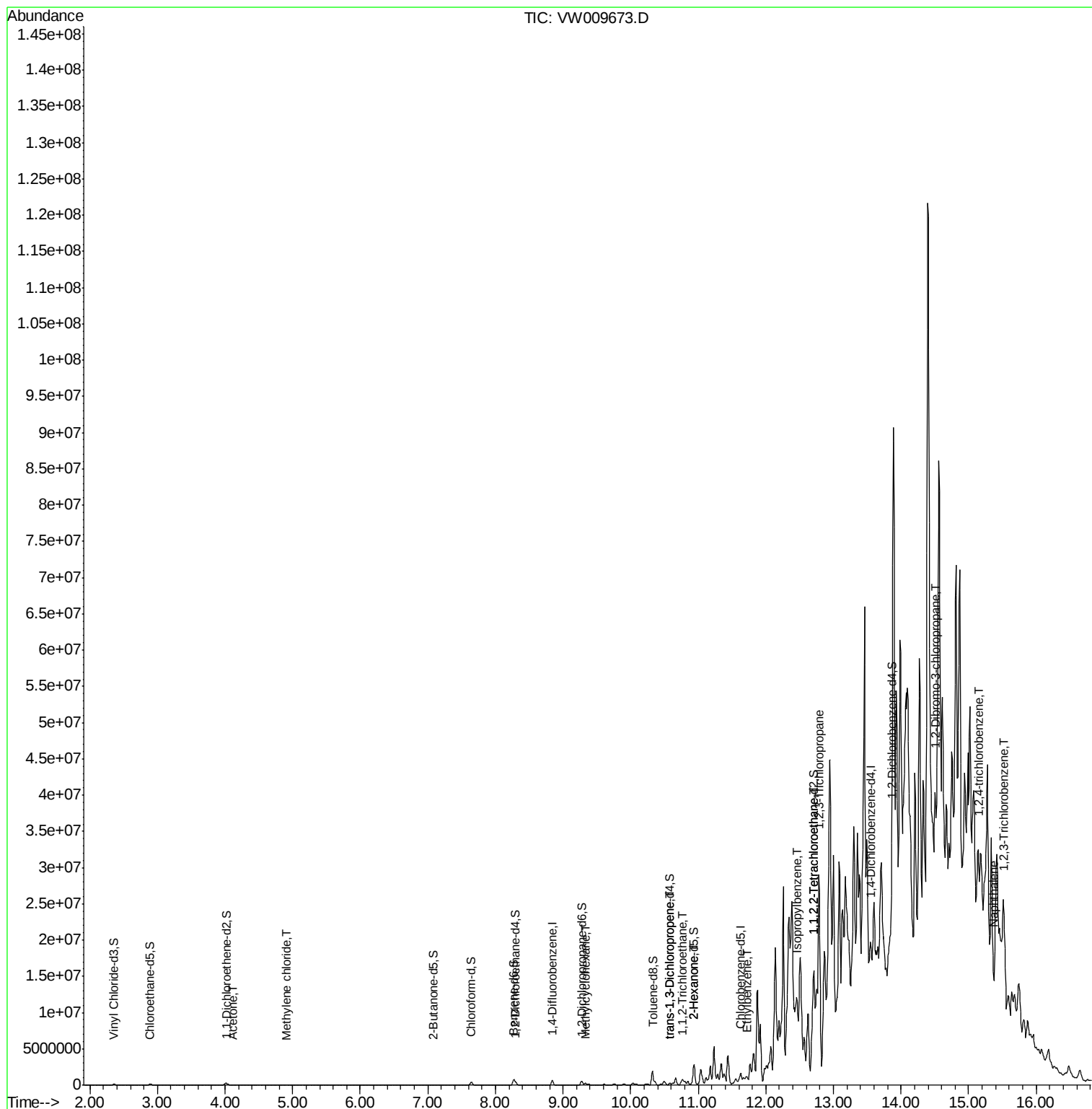
					Qvalue
13) Acetone	4.12	43	61429	24.656	ug/L 99
16) Methylene chloride	4.91	84	13455	1.394	ug/L 99
36) Methylcyclohexane	9.34	83	70555	5.226	ug/L # 78
45) trans-1,3-Dichloropropene	10.58	75	6646	0.619	ug/L # 60
46) 1,1,2-Trichloroethane	10.76	97	246192	40.835	ug/L # 26
49) 2-Hexanone	10.93	43	1178578	253.692	ug/L # 29
53) Ethylbenzene	11.73	91	10785	0.285	ug/L # 74
57) Isopropylbenzene	12.46	105	289226	7.919	ug/L # 84
58) 1,1,2,2-Tetrachloroethane	12.69	83	648377	79.977	ug/L # 95
59) 1,2,3-Trichloropropane	12.79	75	6301	1.044	ug/L # 1
66) 1,2-Dibromo-3-chloropropan	14.51	75	27922	6.847	ug/L # 45
68) 1,2,4-trichlorobenzene	15.15	180	48631	1.864	ug/L # 1
69) Naphthalene	15.37	128	20311	0.387	ug/L # 75
70) 1,2,3-Trichlorobenzene	15.53	180	82853	3.394	ug/L # 1

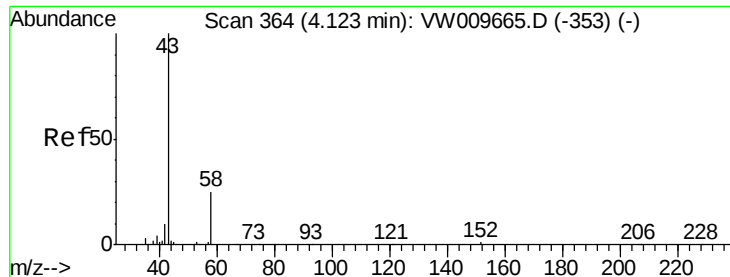
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 24.656 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW009673.D

Acq: 03 Apr 2019 22:38

Instrument :

MSVOA_W

ClientSampleId :

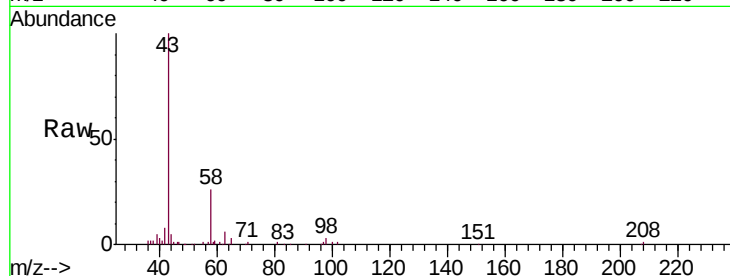
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Tgt Ion: 43 Resp: 61429

Ion Ratio Lower Upper

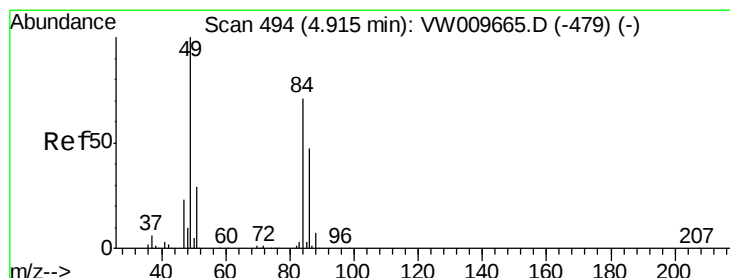
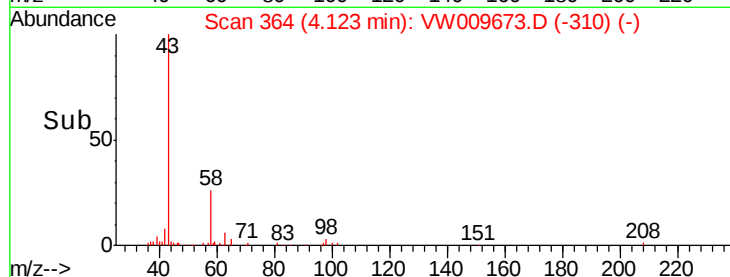
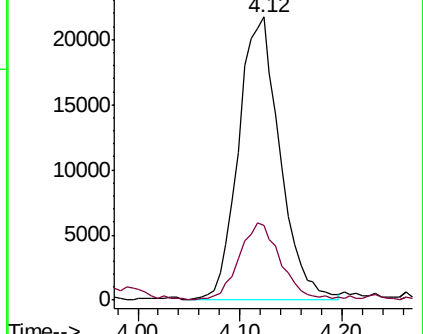
43 100

58 27.0 0.0 53.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 1.394 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW009673.D

Acq: 03 Apr 2019 22:38

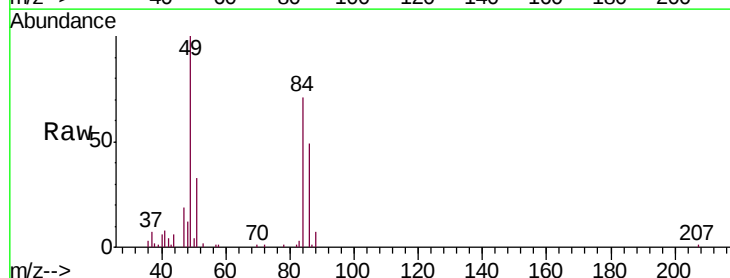
Tgt Ion: 84 Resp: 13455

Ion Ratio Lower Upper

84 100

49 140.2 98.3 182.5

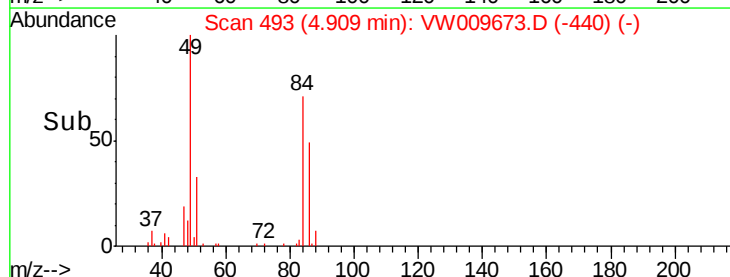
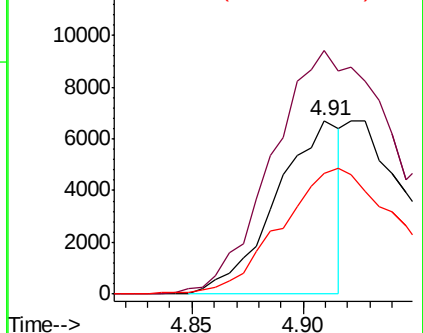
86 69.3 46.4 86.2

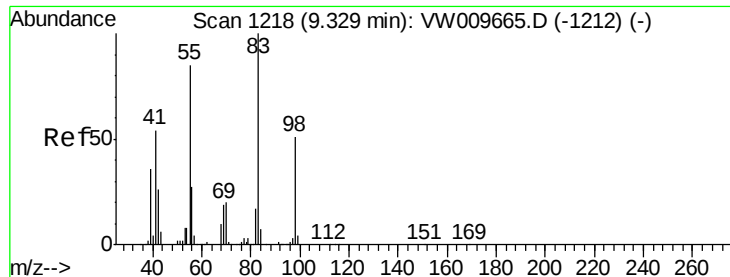


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

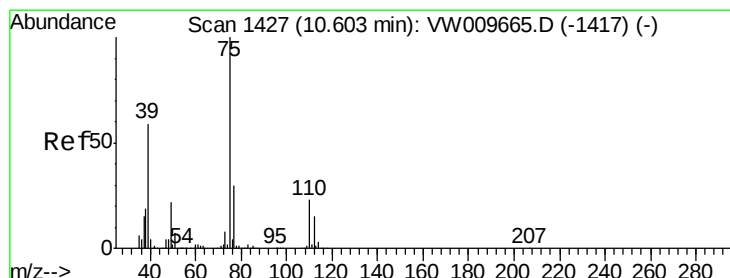
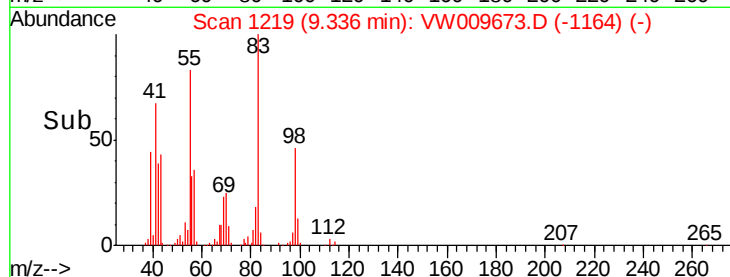
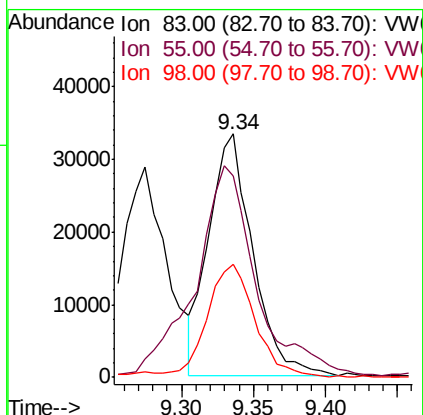
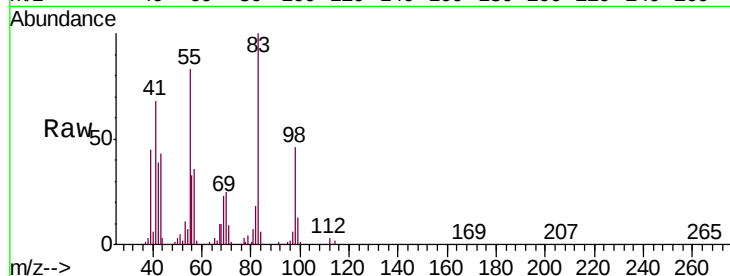




#36
Methylcyclohexane
Concen: 5.226 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. 0.01 min
Lab File: VW009673.D
Acq: 03 Apr 2019 22:38

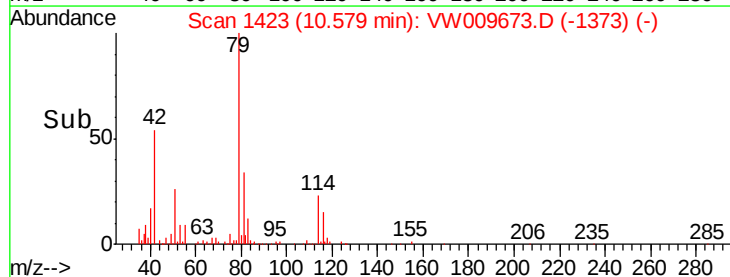
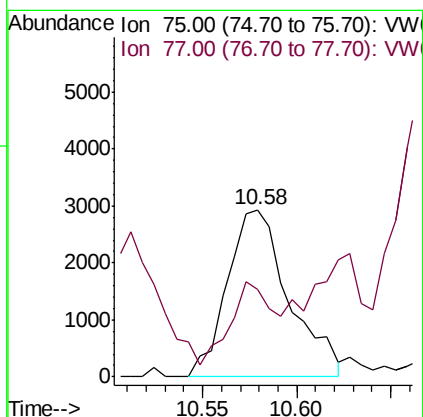
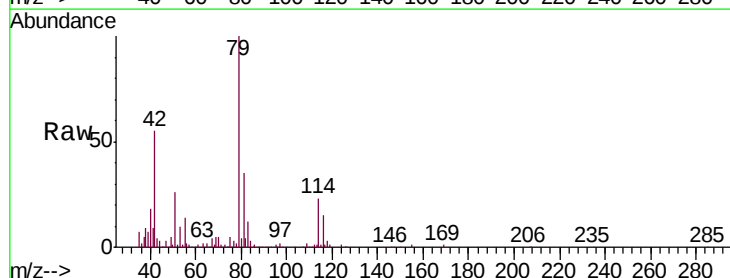
Instrument :
MSVOA_W
ClientSampled :
BF5F8

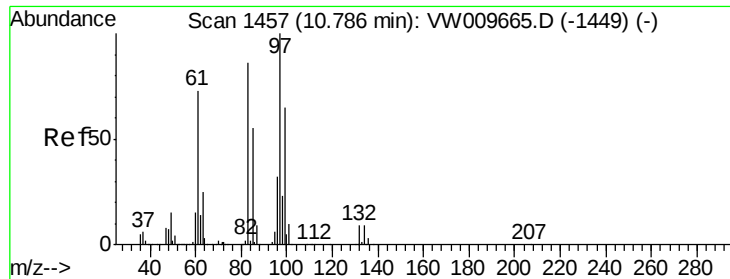
Tgt Ion: 83 Resp: 70555
Ion Ratio Lower Upper
83 100
55 113.2 66.3 99.5#
98 51.1 39.4 59.0



#45
trans-1,3-Dichloropropene
Concen: 0.619 ug/L
RT: 10.58 min Scan# 1423
Delta R.T. -0.02 min
Lab File: VW009673.D
Acq: 03 Apr 2019 22:38

Tgt Ion: 75 Resp: 6646
Ion Ratio Lower Upper
75 100
77 52.1 21.1 39.3#





#46

1,1,2-Trichloroethane

Concen: 40.835 ug/L

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW009673.D

Acq: 03 Apr 2019 22:38

Instrument :

MSVOA_W

ClientSampleId :

BF5F8

Tgt Ion: 97 Resp: 246192

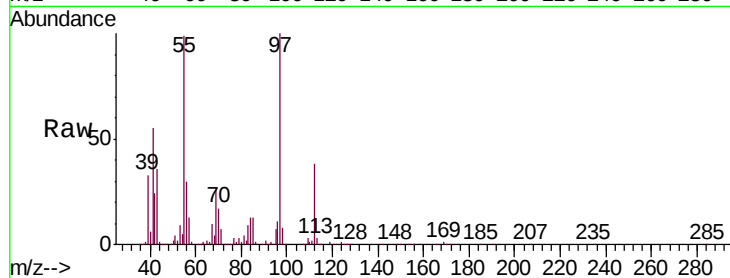
Ion Ratio Lower Upper

97 100

83 8.5 57.3 106.3#

85 12.7 38.1 70.7#

99 0.4 40.9 75.9#

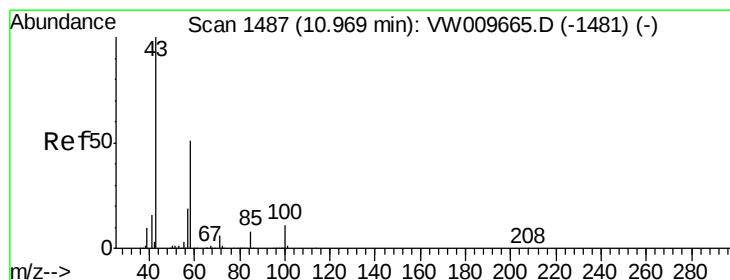
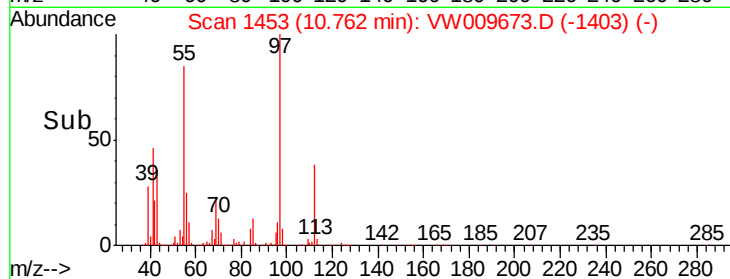
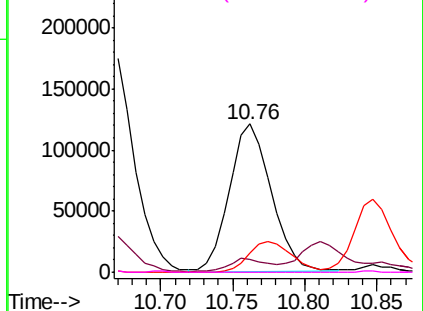


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#49

2-Hexanone

Concen: 253.692 ug/L

RT: 10.93 min Scan# 1481

Delta R.T. -0.04 min

Lab File: VW009673.D

Acq: 03 Apr 2019 22:38

Tgt Ion: 43 Resp: 1178578

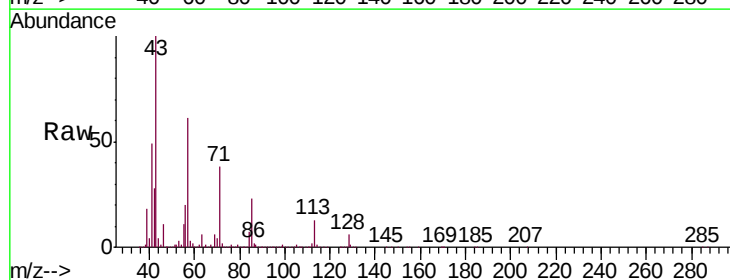
Ion Ratio Lower Upper

43 100

58 3.2 38.9 58.3#

57 64.3 13.8 20.6#

100 0.1 8.6 13.0#

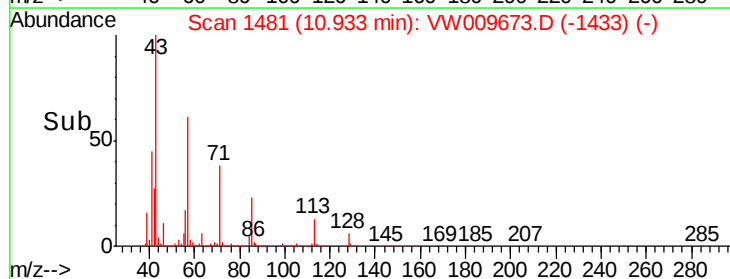
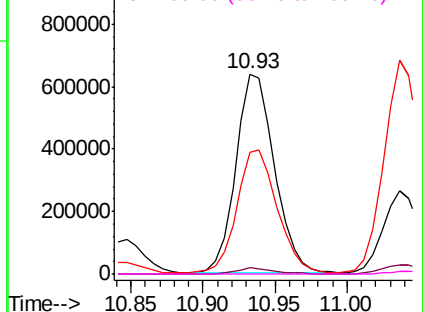


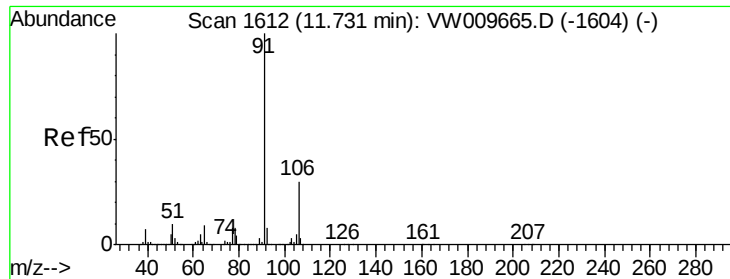
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW





#53

Ethylbenzene

Concen: 0.285 ug/L

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW009673.D

Acq: 03 Apr 2019 22:38

Instrument :

MSVOA_W

ClientSampleId :

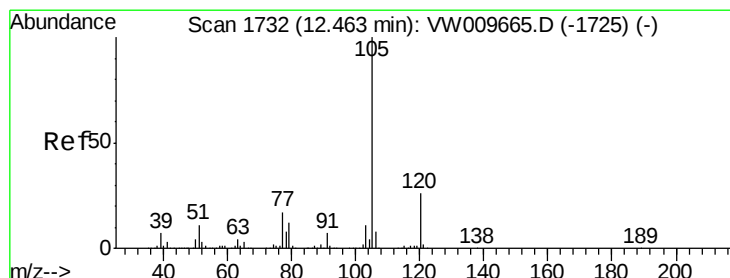
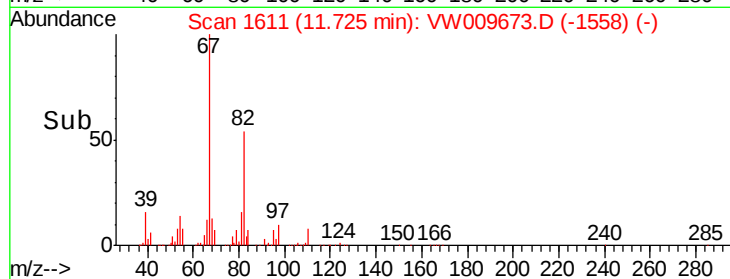
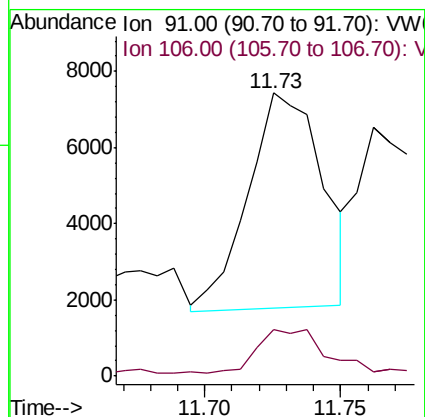
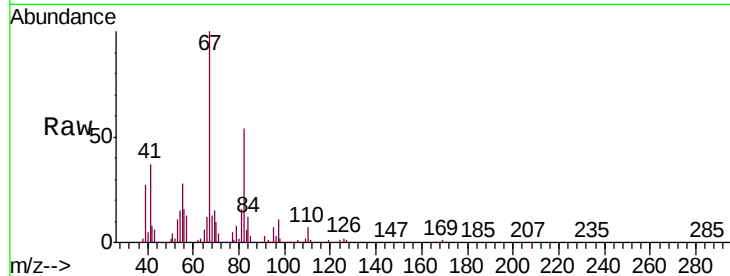
BF5F8

Tgt Ion: 91 Resp: 10785

Ion Ratio Lower Upper

91 100

106 16.3 21.5 39.9#



#57

Isopropylbenzene

Concen: 7.919 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009673.D

Acq: 03 Apr 2019 22:38

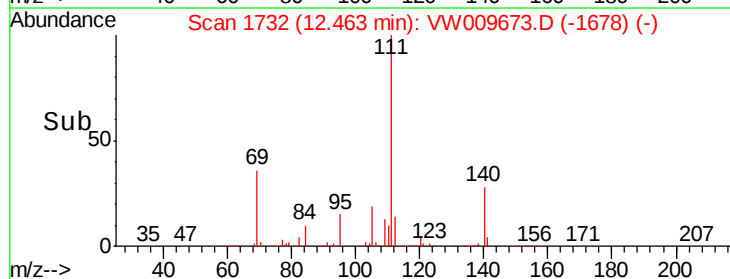
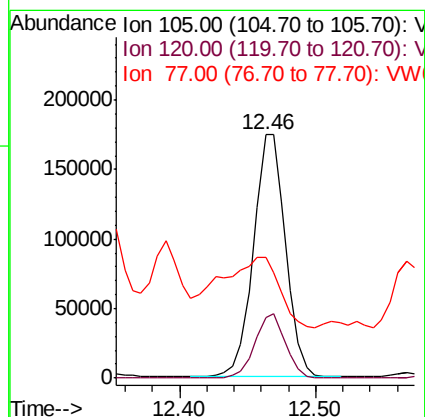
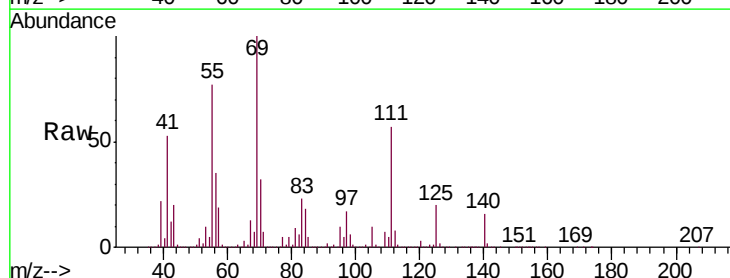
Tgt Ion: 105 Resp: 289226

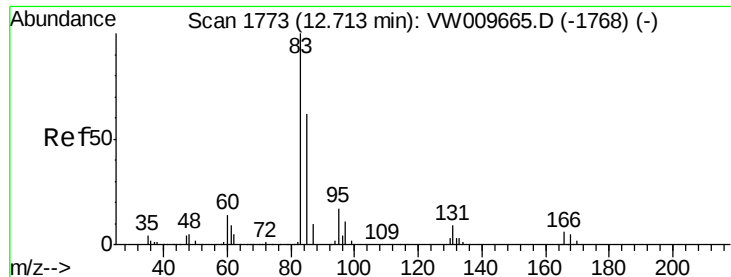
Ion Ratio Lower Upper

105 100

120 25.2 21.0 31.4

77 0.0 13.4 20.2#





#58

1,1,2,2-Tetrachloroethane

Concen: 79.977 ug/L

RT: 12.69 min Scan# 1770

Delta R.T. -0.02 min

Lab File: VW009673.D

Acq: 03 Apr 2019 22:38

Instrument :

MSVOA_W

ClientSampled :

BF5F8

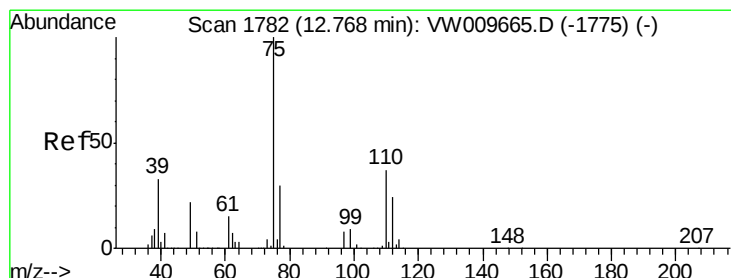
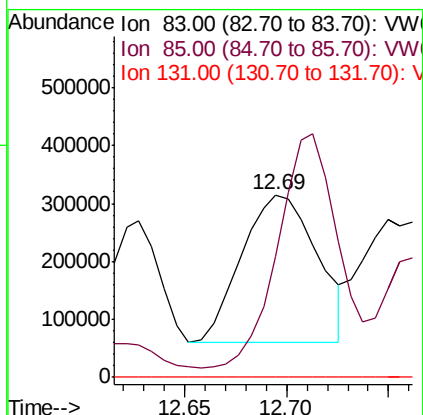
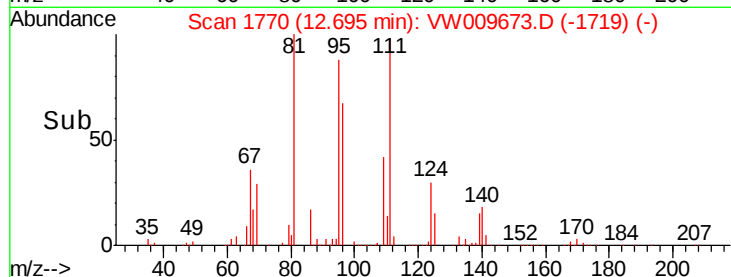
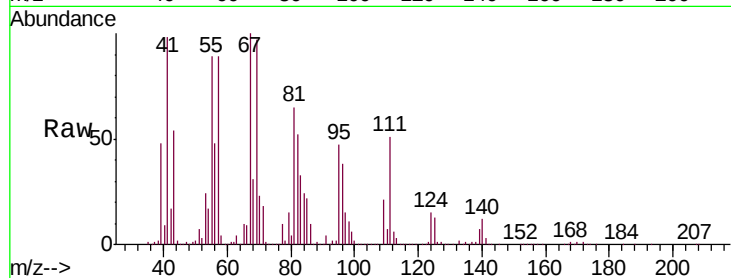
Tgt Ion: 83 Resp: 648377

Ion Ratio Lower Upper

83 100

85 66.4 44.9 83.3

131 0.4 7.2 10.8#



#59

1,2,3-Trichloropropane

Concen: 1.044 ug/L

RT: 12.79 min Scan# 1785

Delta R.T. 0.02 min

Lab File: VW009673.D

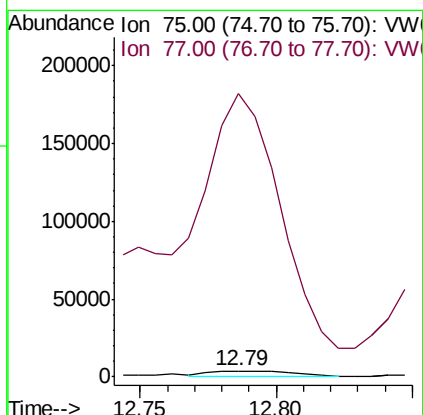
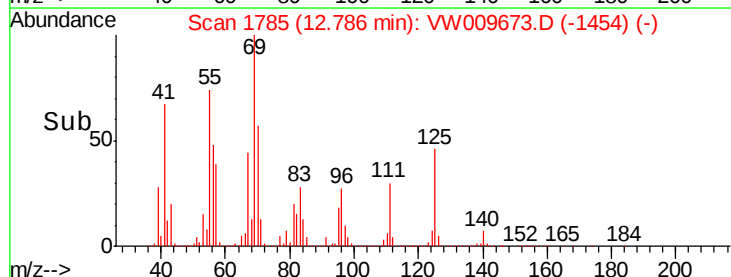
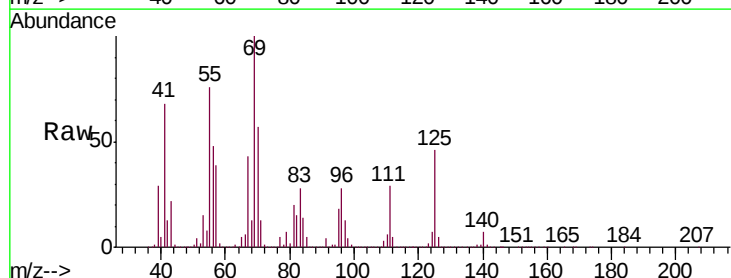
Acq: 03 Apr 2019 22:38

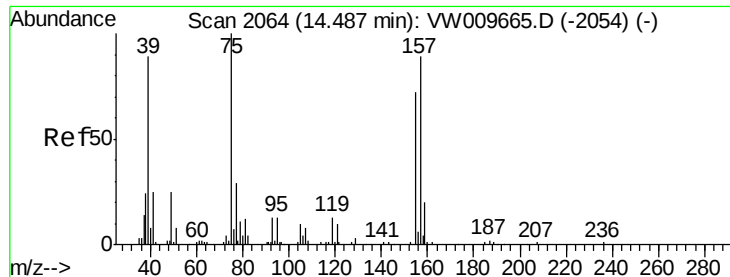
Tgt Ion: 75 Resp: 6301

Ion Ratio Lower Upper

75 100

77 4979.9 26.2 39.2#

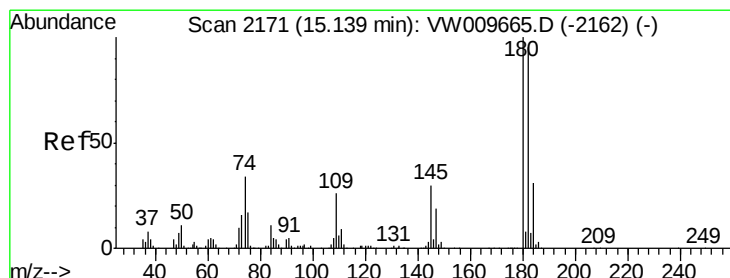
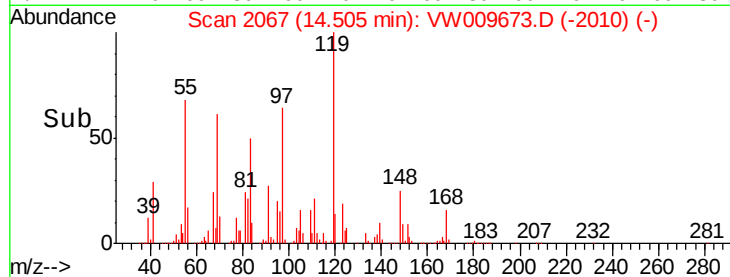
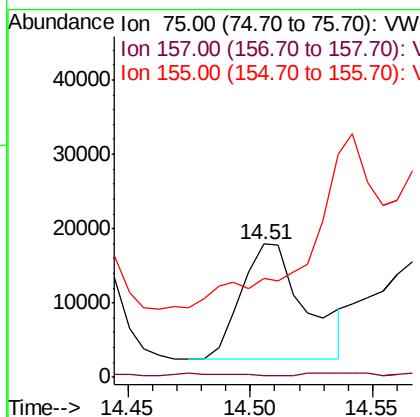
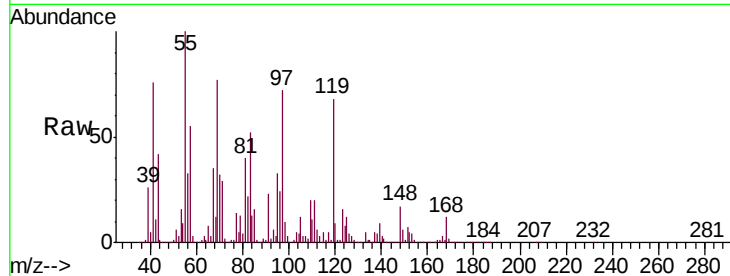




#66
 1,2-Dibromo-3-chloropropane
 Concen: 6.847 ug/L
 RT: 14.51 min Scan# 2067
 Delta R.T. 0.02 min
 Lab File: VW009673.D
 Acq: 03 Apr 2019 22:38

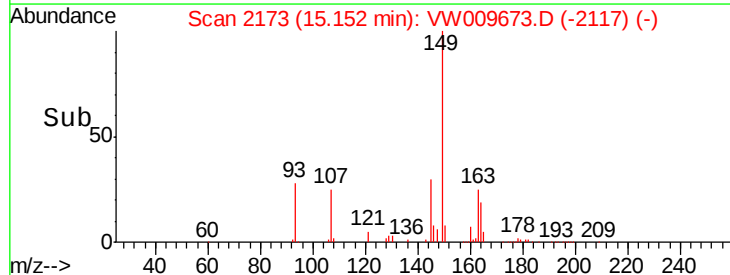
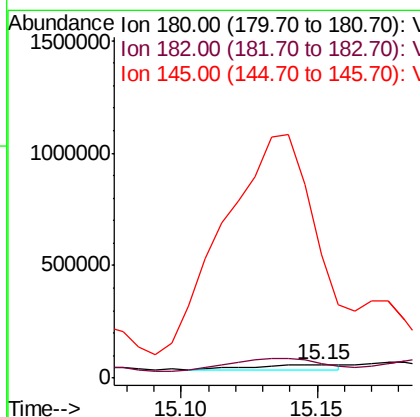
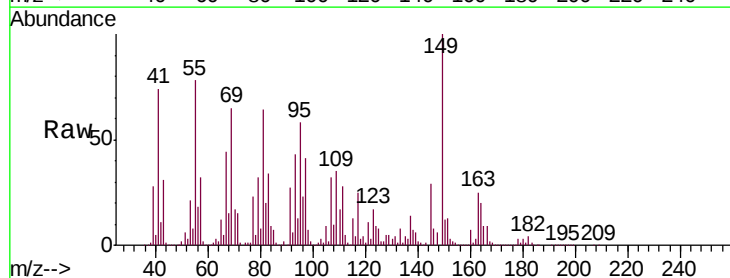
Instrument :
 MSVOA_W
 ClientSampleId :
 BF5F8

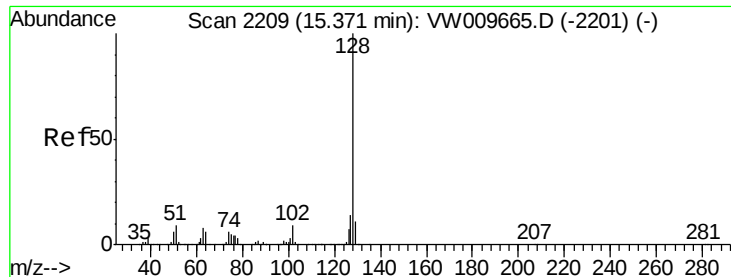
Tgt Ion: 75 Resp: 27922
 Ion Ratio Lower Upper
 75 100
 157 1.7 77.2 115.8#
 155 74.8 61.9 92.9



#68
 1,2,4-trichlorobenzene
 Concen: 1.864 ug/L
 RT: 15.15 min Scan# 2173
 Delta R.T. 0.01 min
 Lab File: VW009673.D
 Acq: 03 Apr 2019 22:38

Tgt Ion:180 Resp: 48631
 Ion Ratio Lower Upper
 180 100
 182 282.4 75.8 113.8#
 145 5624.3 24.3 36.5#





#69

Naphthalene

Concen: 0.387 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009673.D

Acq: 03 Apr 2019 22:38

Instrument :

MSVOA_W

ClientSampled :

BF5F8

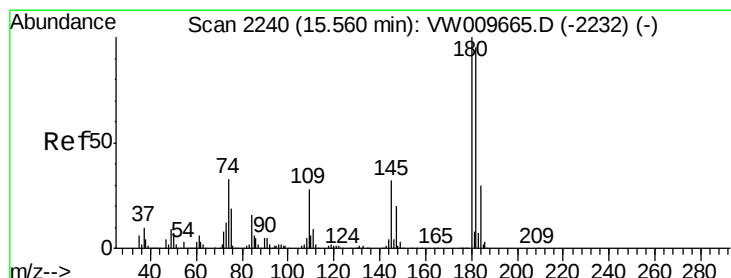
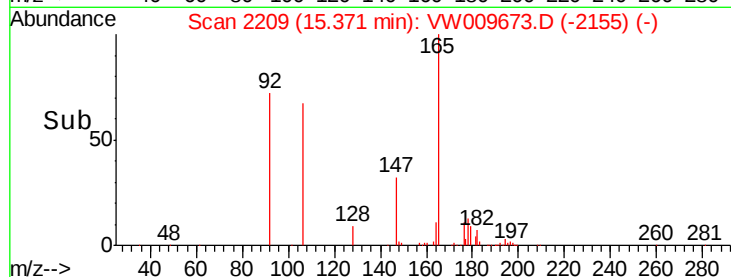
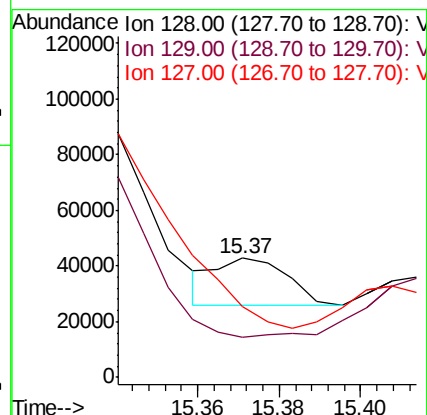
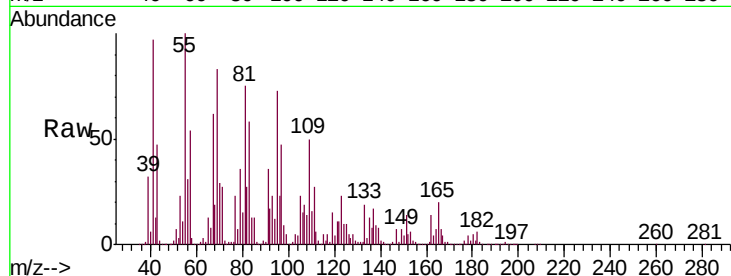
Tgt Ion:128 Resp: 20311

Ion Ratio Lower Upper

128 100

129 5.6 8.5 12.7#

127 0.0 10.8 16.2#



#70

1,2,3-Trichlorobenzene

Concen: 3.394 ug/L

RT: 15.53 min Scan# 2235

Delta R.T. -0.03 min

Lab File: VW009673.D

Acq: 03 Apr 2019 22:38

Tgt Ion:180 Resp: 82853

Ion Ratio Lower Upper

180 100

182 31.4 75.0 112.4#

145 2011.7 25.8 38.6#

