

Data File : VV009073.D
Acq On : 20 Dec 2018 02:27
Operator : SY/MD
Sample : J6468-08
Misc : 3.71G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0JG6

Quant Time: Dec 20 03:50:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 20 03:44:50 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	138945	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	64710	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	7434	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	48175	33.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	134.04%
7) Chloroethane-d5	1.58	69	52306	49.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	196.96%#
10) 1,1-Dichloroethene-d2	2.13	63	92150	25.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	102.52%
20) 2-Butanone-d5	3.94	46	26732	51.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.14%
24) Chloroform-d	4.40	84	139054	41.63	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	166.52%#
26) 1,2-Dichloroethane-d4	5.08	65	77529	42.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	170.12%#
29) Benzene-d6	5.10	84	216540	59.91	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	239.64%#
33) 1,2-Dichloropropane-d6	6.12	67	81070	80.12	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	320.48%#
37) Toluene-d8	7.36	98	144583	43.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	172.92%#
38) trans-1,3-Dichloropropene-	7.67	79	22053	49.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	198.44%#
39) 2-Hexanone-d5	8.14	63	15156	81.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	163.54%#
48) 1,1,2,2-Tetrachloroethane-	10.26	84	46604	54.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	219.64%#
61) 1,2-Dichlorobenzene-d4	11.68	152	7906	28.34	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	113.36%

Target Compounds

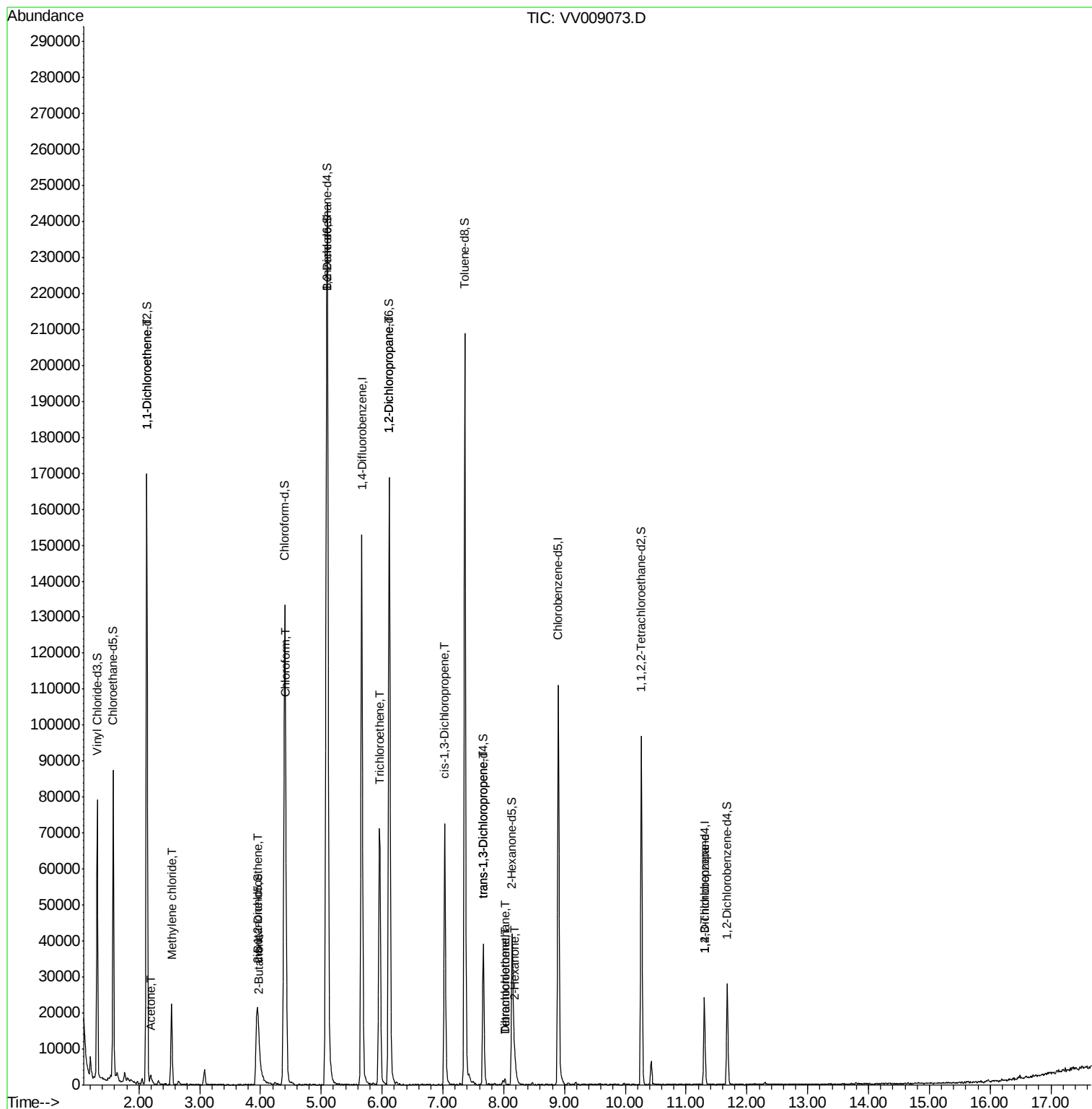
					Qvalue	
12) 1,1-Dichloroethene	2.13	96	767	0.428	ug/L #	1
13) Acetone	2.20	43	2238	2.902	ug/L	76
16) Methylene chloride	2.54	84	9690	4.141	ug/L	94
21) 2-Butanone	3.99	43	752	1.040	ug/L #	47
22) cis-1,2-Dichloroethene	3.96	96	994	0.493	ug/L	88
25) Chloroform	4.42	83	3856	1.145	ug/L #	27
35) Trichloroethene	5.96	95	22235	19.023	ug/L	97
40) 1,2-Dichloropropane	6.12	63	9626	10.345	ug/L #	85
42) cis-1,3-Dichloropropene	7.03	75	1965	1.442	ug/L #	77
45) trans-1,3-Dichloropropene	7.67	75	1067	0.898	ug/L	96
47) Tetrachloroethene	8.02	164	287	0.302	ug/L #	70
49) 2-Hexanone	8.18	43	4201	8.074	ug/L #	46
50) Dibromochloromethane	8.02	129	472	0.531	ug/L #	11
59) 1,2,3-Trichloropropane	11.29	75	339	0.467	ug/L #	43

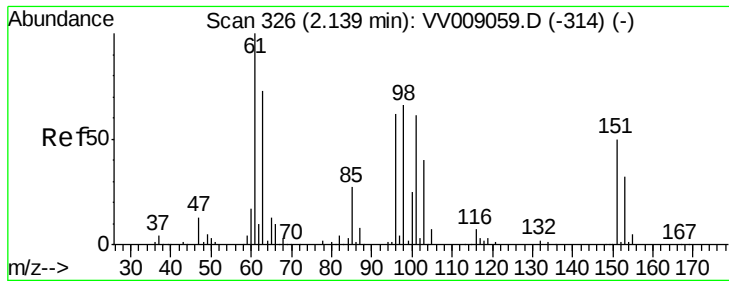
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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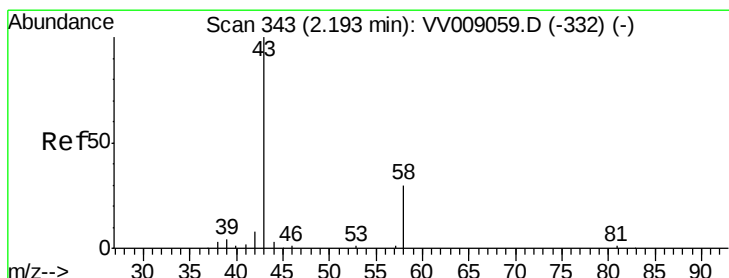
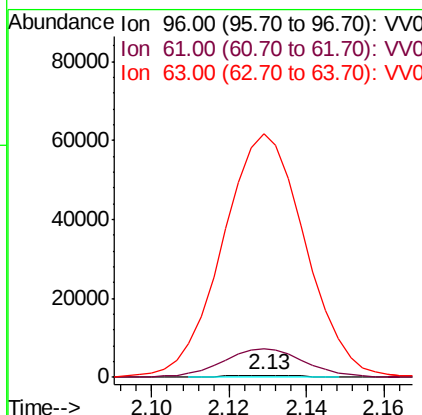
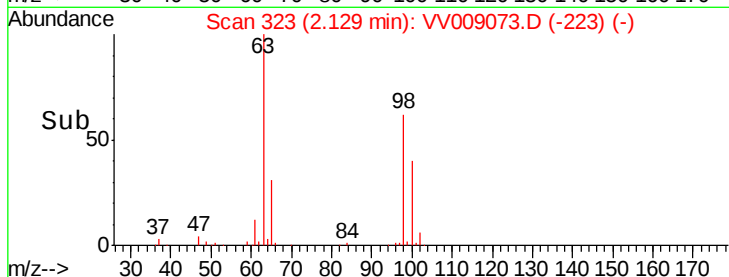
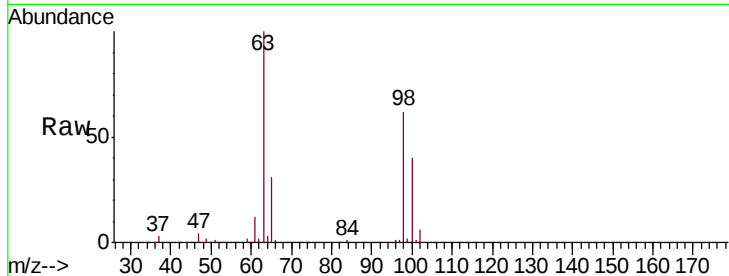




#12
 1,1-Dichloroethene
 Concen: 0.428 ug/L
 RT: 2.13 min Scan# 323
 Delta R.T. -0.01 min
 Lab File: VV009073.D
 Acq: 20 Dec 2018 02:27

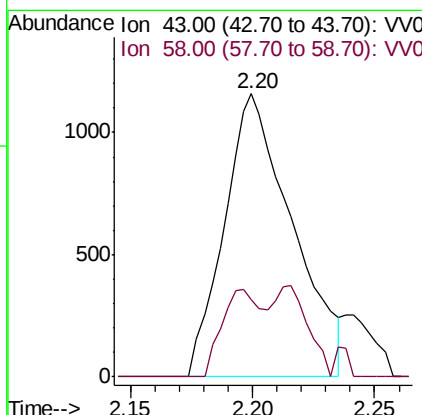
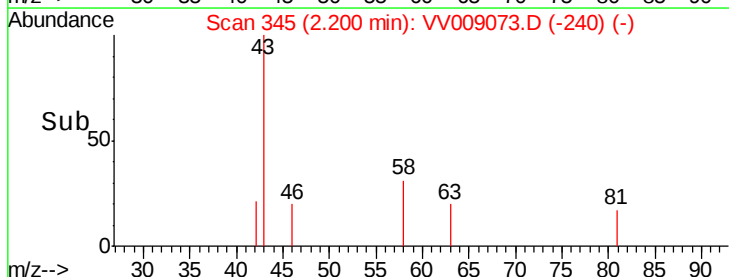
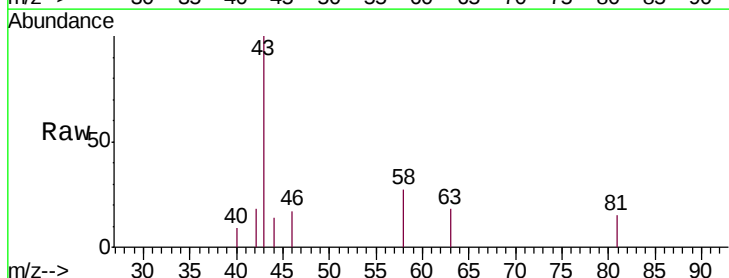
Instrument :
 MSVOA_V
 ClientSampled :
 C0JG6

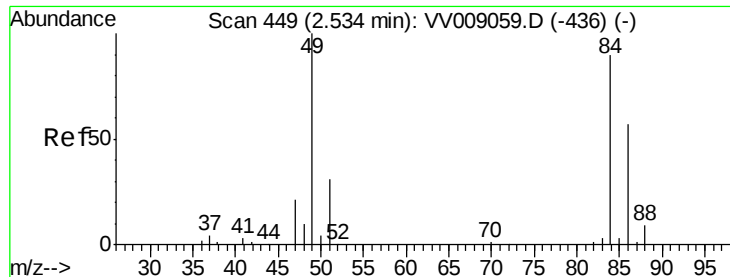
Tgt Ion: 96 Resp: 767
 Ion Ratio Lower Upper
 96 100
 61 1370.8 114.0 211.6#
 63 11634.7 82.4 153.0#



#13
 Acetone
 Concen: 2.902 ug/L
 RT: 2.20 min Scan# 345
 Delta R.T. 0.01 min
 Lab File: VV009073.D
 Acq: 20 Dec 2018 02:27

Tgt Ion: 43 Resp: 2238
 Ion Ratio Lower Upper
 43 100
 58 18.9 0.0 65.4

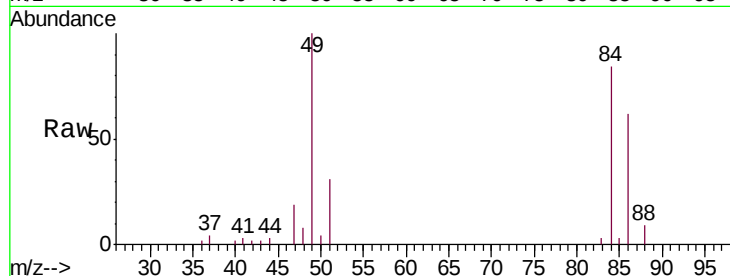




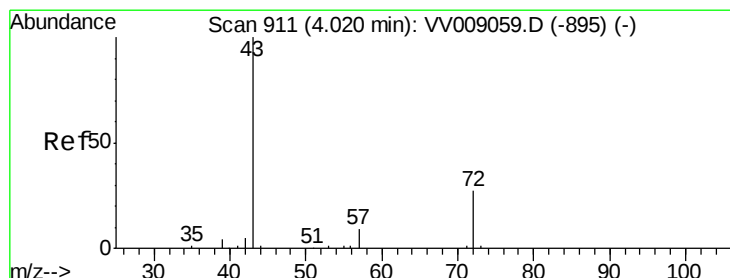
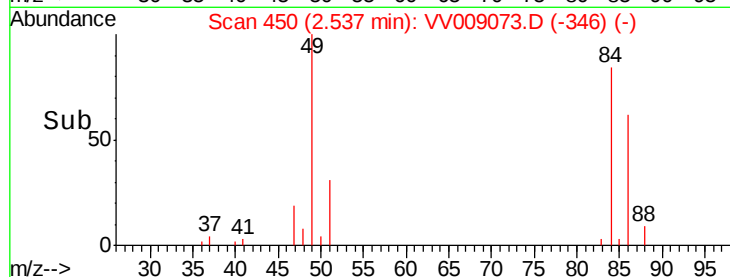
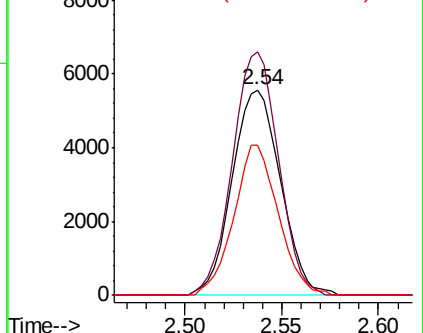
#16
Methylene chloride
Concen: 4.141 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV009073.D
Acq: 20 Dec 2018 02:27

Instrument :
MSVOA_V
ClientSampleId :
C0JG6

Tgt Ion: 84 Resp: 9690
Ion Ratio Lower Upper
84 100
49 118.4 80.5 149.5
86 73.3 45.5 84.5

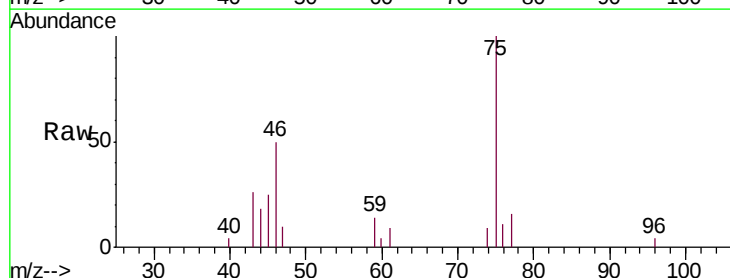


Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 49.00 (48.70 to 49.70): VV0
Ion 86.00 (85.70 to 86.70): VV0

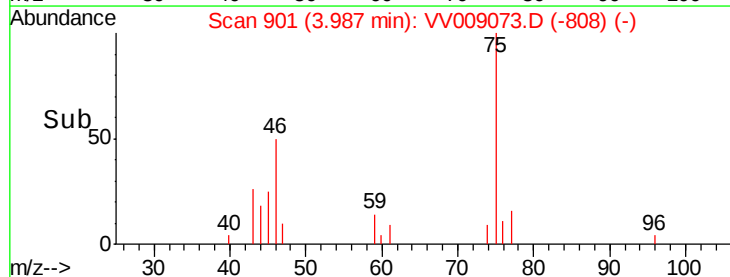
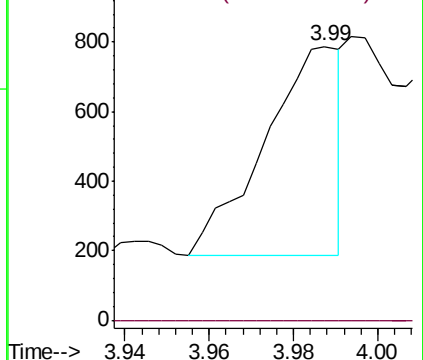


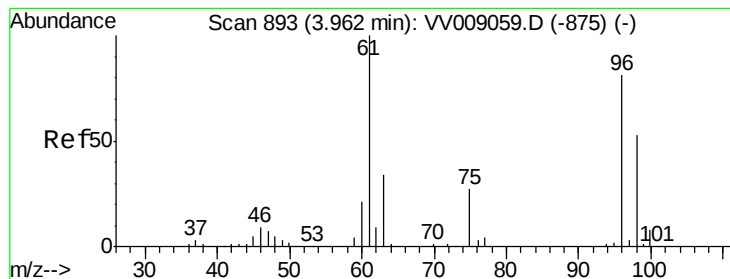
#21
2-Butanone
Concen: 1.040 ug/L
RT: 3.99 min Scan# 901
Delta R.T. -0.03 min
Lab File: VV009073.D
Acq: 20 Dec 2018 02:27

Tgt Ion: 43 Resp: 752
Ion Ratio Lower Upper
43 100
72 0.0 13.7 41.1#



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 72.00 (71.70 to 72.70): VV0



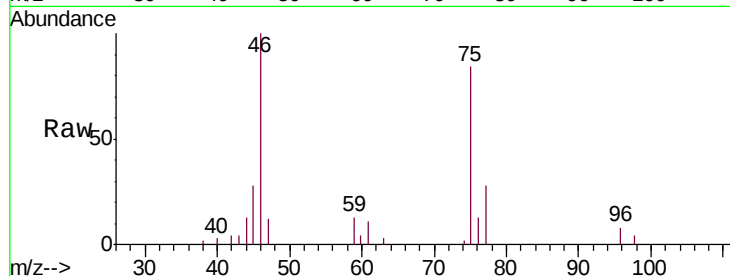


#22

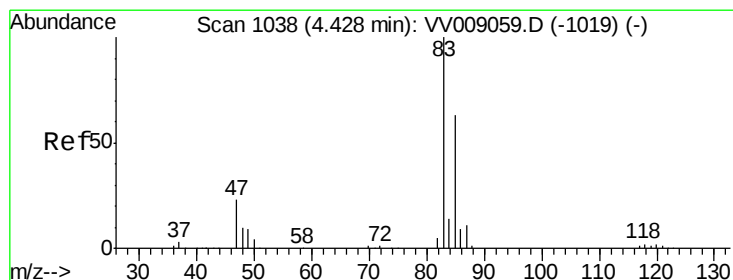
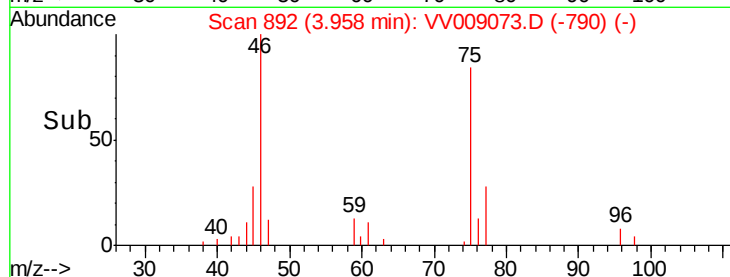
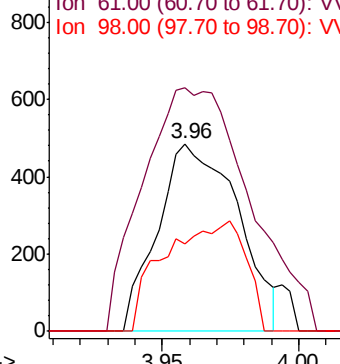
cis-1,2-Dichloroethene
 Concen: 0.493 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV009073.D
 Acq: 20 Dec 2018 02:27

Instrument :
 MSVOA_V
 ClientSampleId :
 C0JG6

Tgt Ion: 96 Resp: 994
 Ion Ratio Lower Upper
 96 100
 61 129.9 86.2 160.0
 98 46.8 45.6 84.6



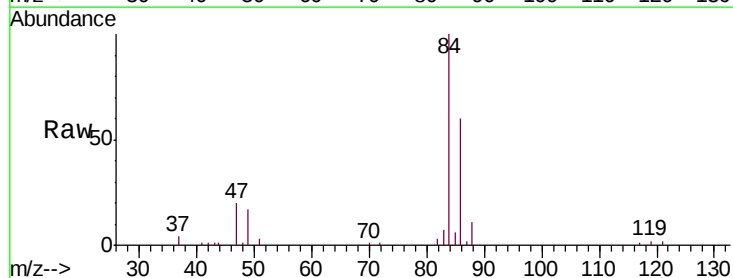
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0



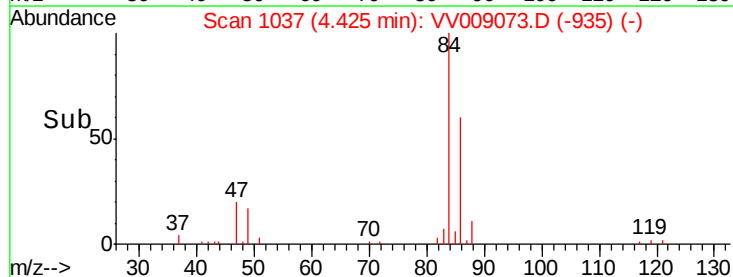
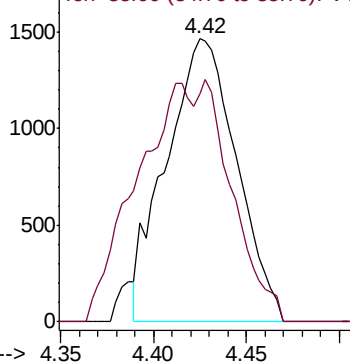
#25

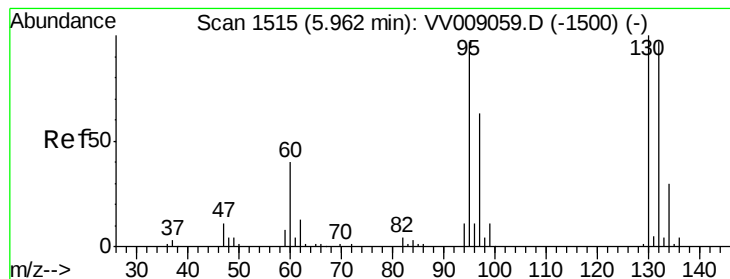
Chloroform
 Concen: 1.145 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: VV009073.D
 Acq: 20 Dec 2018 02:27

Tgt Ion: 83 Resp: 3856
 Ion Ratio Lower Upper
 83 100
 85 7.3 45.6 84.8#



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





#35

Trichloroethene

Concen: 19.023 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. -0.00 min

Lab File: VV009073.D

Acq: 20 Dec 2018 02:27

Instrument :

MSVOA_V

ClientSampleId :

C0JG6

Tgt Ion: 95 Resp: 22235

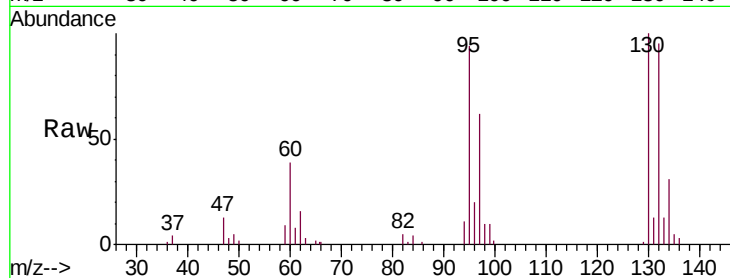
Ion Ratio Lower Upper

95 100

97 66.6 45.3 84.1

132 104.7 70.0 130.0

130 106.1 73.4 136.4

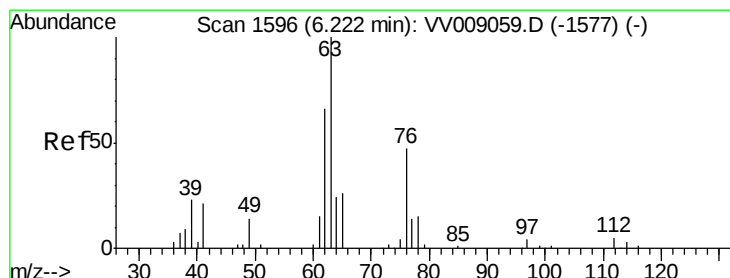
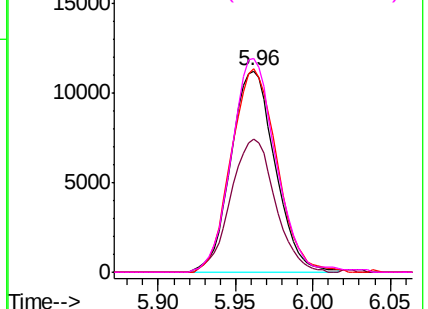
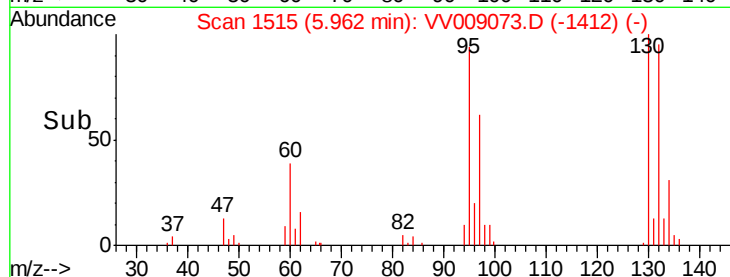


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#40

1,2-Dichloropropane

Concen: 10.345 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.10 min

Lab File: VV009073.D

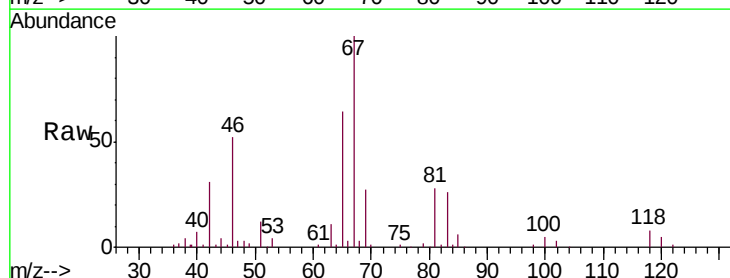
Acq: 20 Dec 2018 02:27

Tgt Ion: 63 Resp: 9626

Ion Ratio Lower Upper

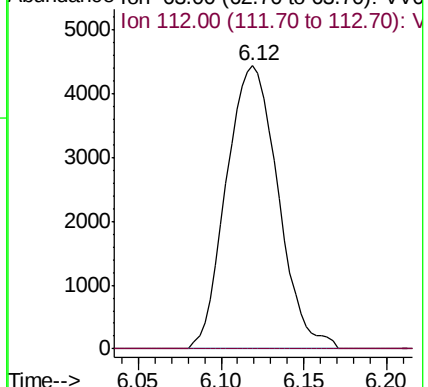
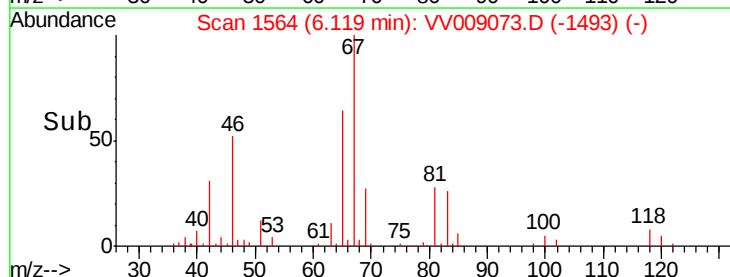
63 100

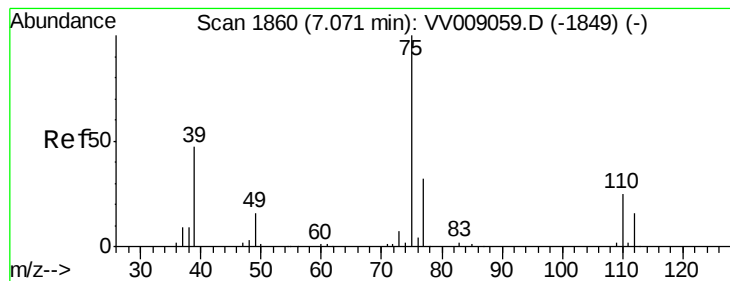
112 0.0 3.8 5.8#



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V





#42

cis-1,3-Dichloropropene

Concen: 1.442 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV009073.D

Acq: 20 Dec 2018 02:27

Instrument :

MSVOA_V

ClientSampleId :

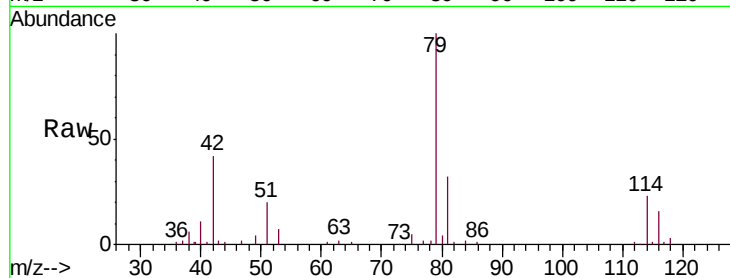
C0JG6

Tgt Ion: 75 Resp: 1965

Ion Ratio Lower Upper

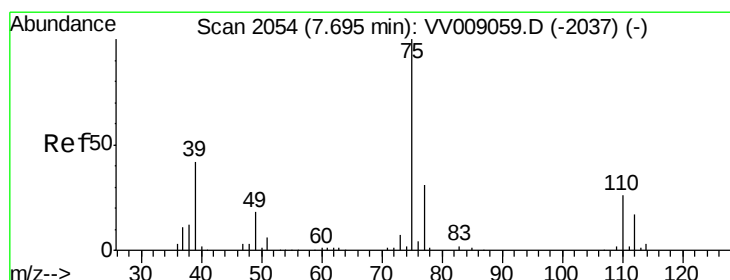
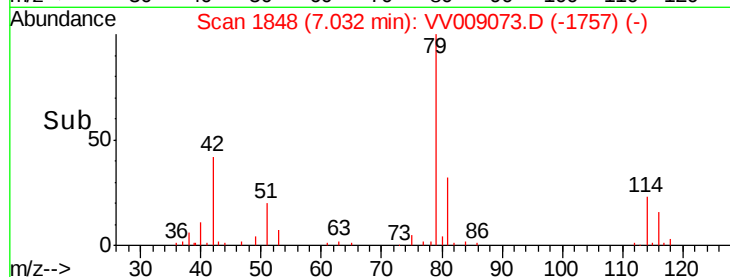
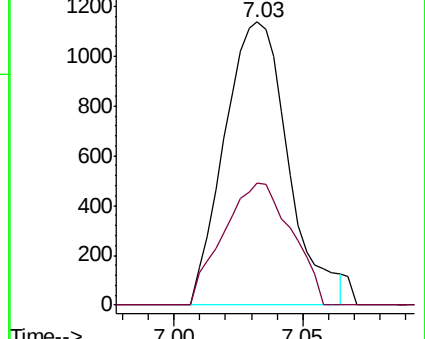
75 100

77 43.2 21.3 39.6#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#45

trans-1,3-Dichloropropene

Concen: 0.898 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV009073.D

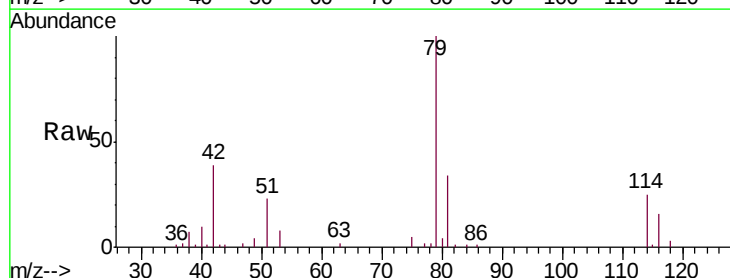
Acq: 20 Dec 2018 02:27

Tgt Ion: 75 Resp: 1067

Ion Ratio Lower Upper

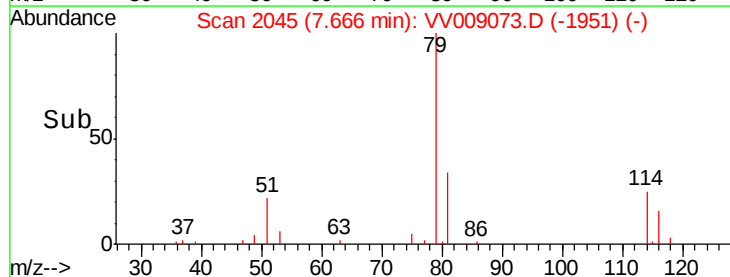
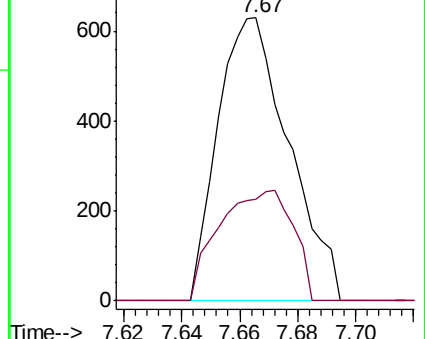
75 100

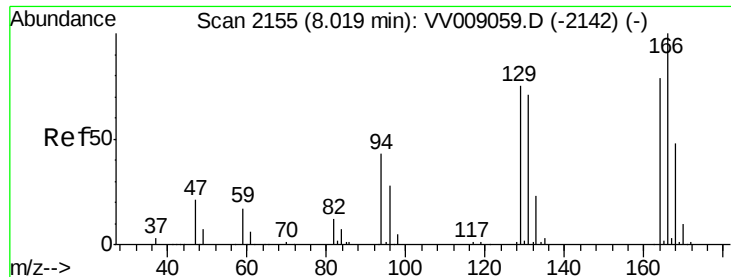
77 35.8 23.6 43.8



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#47

Tetrachloroethene

Concen: 0.302 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV009073.D

Acq: 20 Dec 2018 02:27

Instrument :

MSVOA_V

ClientSampleId :

C0JG6

Tgt Ion:164 Resp: 287

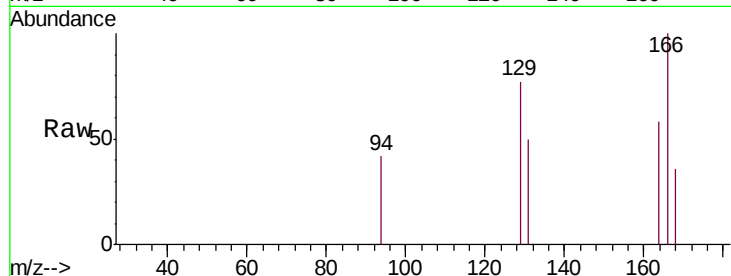
Ion Ratio Lower Upper

164 100

129 132.5 64.6 120.0#

131 86.7 64.5 119.7

166 172.3 88.7 164.7#

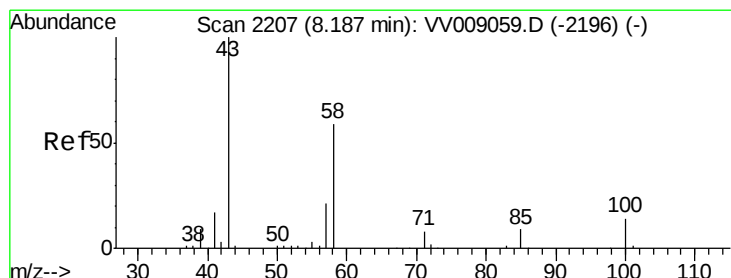
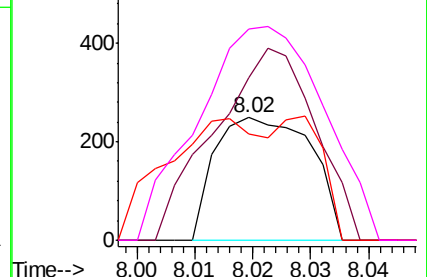
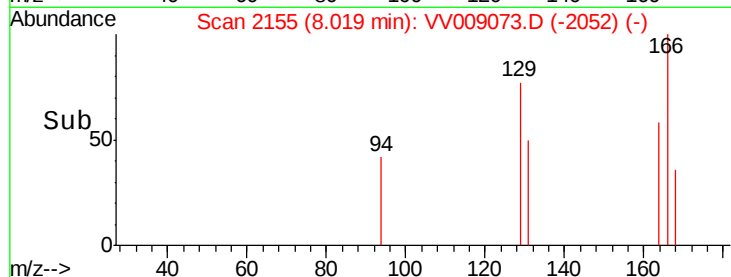


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49

2-Hexanone

Concen: 8.074 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. -0.00 min

Lab File: VV009073.D

Acq: 20 Dec 2018 02:27

Tgt Ion: 43 Resp: 4201

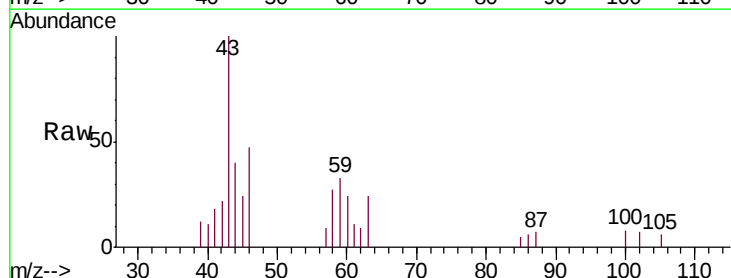
Ion Ratio Lower Upper

43 100

58 4.9 43.9 65.9#

57 4.4 15.7 23.5#

100 3.6 11.0 16.4#

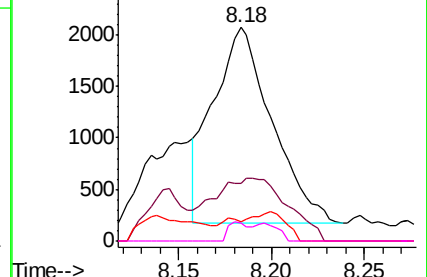
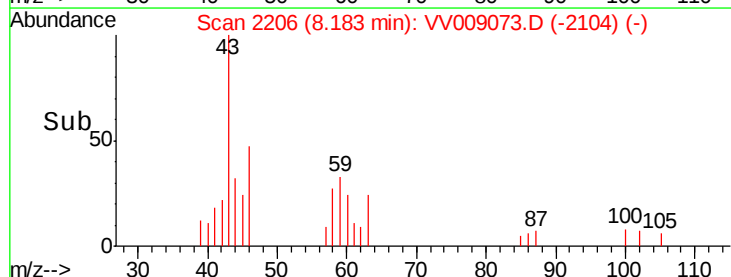


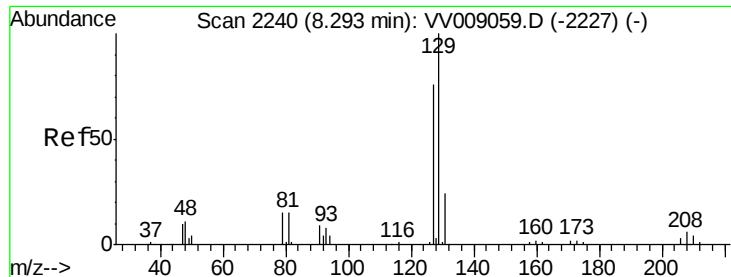
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#50

Dibromochloromethane

Concen: 0.531 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. -0.27 min

Lab File: VV009073.D

Acq: 20 Dec 2018 02:27

Instrument :

MSVOA_V

ClientSampleId :

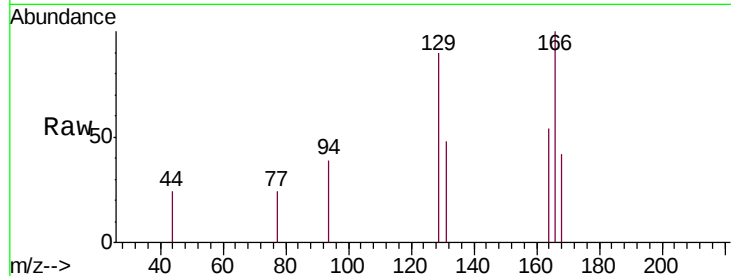
C0JG6

Tgt Ion:129 Resp: 472

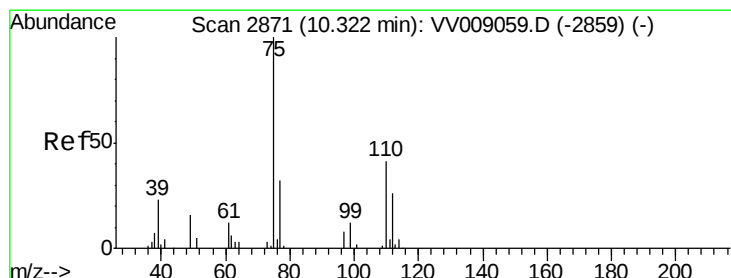
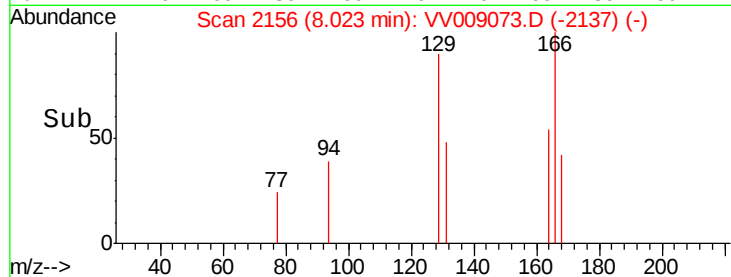
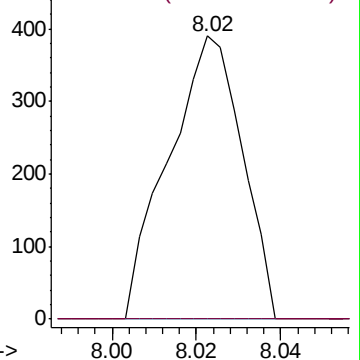
Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.3#



Abundance Ion 129.00 (128.70 to 129.70): V



#59

1,2,3-Trichloropropane

Concen: 0.467 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.97 min

Lab File: VV009073.D

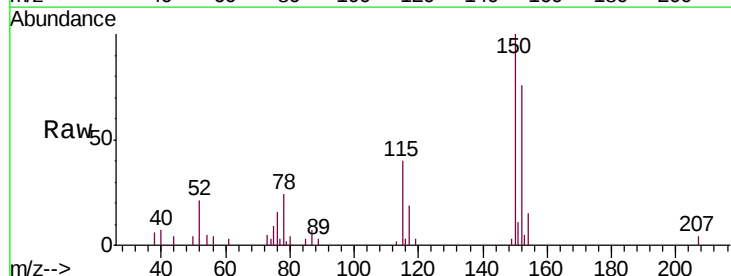
Acq: 20 Dec 2018 02:27

Tgt Ion: 75 Resp: 339

Ion Ratio Lower Upper

75 100

77 0.0 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): VV0

