

Data File : VV010920.D
Acq On : 16 May 2019 03:21
Operator : SY/MD
Sample : K2853-02
Misc : 7.27G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51A5

Quant Time: May 16 08:15:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis
QLast Update : Thu May 16 08:09:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	96774	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	90091	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	30638	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	23053	18.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.80%
7) Chloroethane-d5	1.56	69	19039	23.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.76%
10) 1,1-Dichloroethene-d2	2.12	63	36215	15.52	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.08%
20) 2-Butanone-d5	3.93	46	28813	74.28	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	148.56%#
24) Chloroform-d	4.39	84	60814	21.77	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.08%
26) 1,2-Dichloroethane-d4	5.08	65	38874	24.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.88%
29) Benzene-d6	5.09	84	118272	23.72	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.88%
33) 1,2-Dichloropropane-d6	6.12	67	39100	24.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.32%
37) Toluene-d8	7.36	98	95286	19.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	79.56%
38) trans-1,3-Dichloropropene-	7.66	79	14302	20.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.44%
39) 2-Hexanone-d5	8.13	63	20183	66.95	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	133.90%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	42212	28.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	114.44%
61) 1,2-Dichlorobenzene-d4	11.67	152	27381	21.40	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.60%

Target Compounds

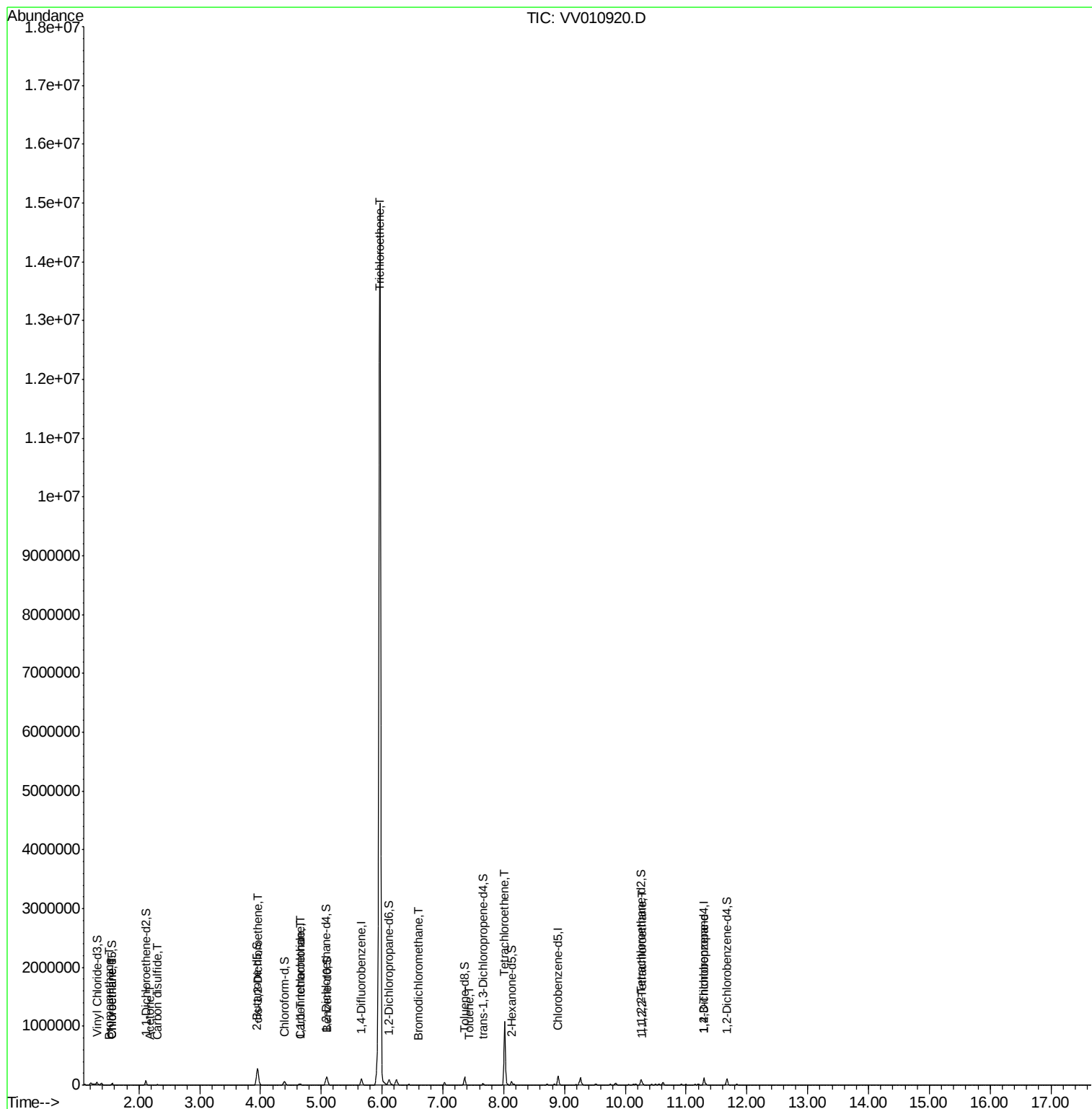
						Qvalue
6) Bromomethane	1.51	94	588	1.830	ug/L	70
8) Chloroethane	1.55	64	1147	1.602	ug/L #	54
13) Acetone	2.18	43	6741	17.061	ug/L	97
14) Carbon disulfide	2.30	76	9497	2.827	ug/L	99
22) cis-1,2-Dichloroethene	3.95	96	156639	100.759	ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	19019	9.720	ug/L	99
32) Carbon tetrachloride	4.65	117	2508	1.502	ug/L	97
35) Trichloroethene	5.96	95	5447455	4002.740	ug/L	99
41) Bromodichloromethane	6.59	83	1659	0.905	ug/L #	25
44) Toluene	7.43	91	4493	0.770	ug/L	97
47) Tetrachloroethene	8.02	164	233685	232.383	ug/L	94
58) 1,1,2,2-Tetrachloroethane	10.29	83	1293	0.850	ug/L #	24
59) 1,2,3-Trichloropropane	11.29	75	4025	3.652	ug/L #	87

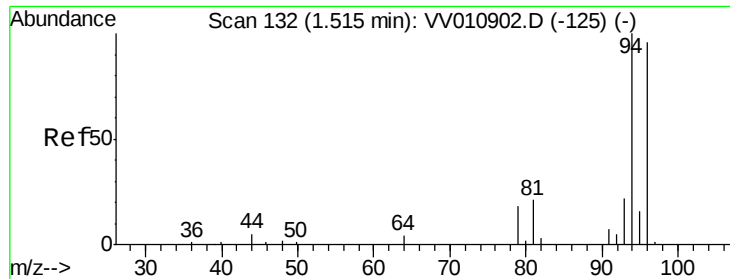
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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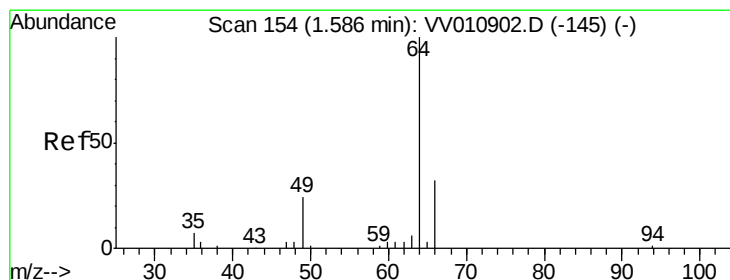
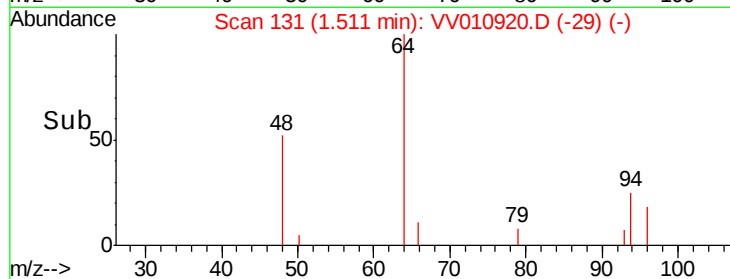
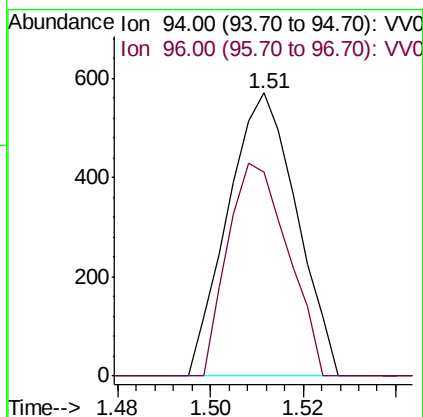
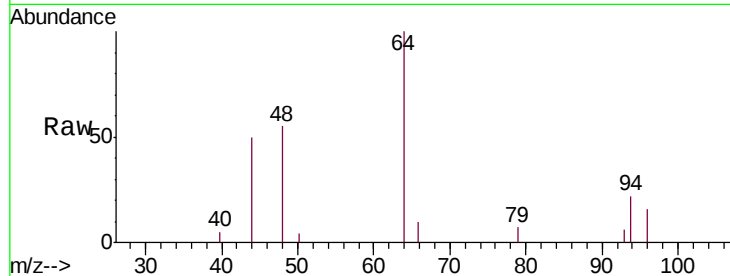




#6
Bromomethane
Concen: 1.830 ug/L
RT: 1.51 min Scan# 131
Delta R.T. -0.00 min
Lab File: VV010920.D
Acq: 16 May 2019 03:21

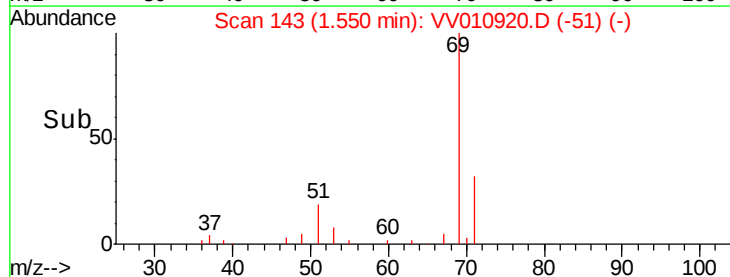
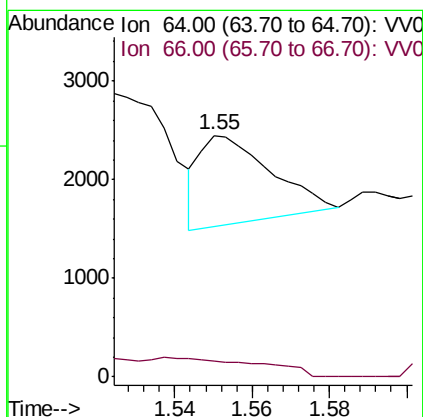
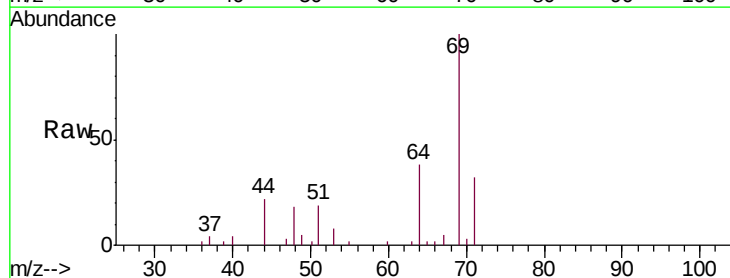
Instrument :
MSVOA_V
ClientSampled :
A51A5

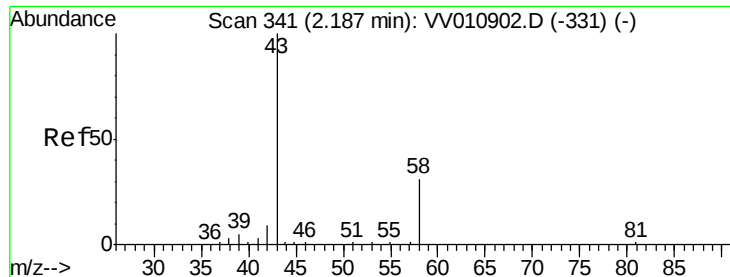
Tgt Ion: 94 Resp: 588
Ion Ratio Lower Upper
94 100
96 66.3 9.6 181.6



#8
Chloroethane
Concen: 1.602 ug/L
RT: 1.55 min Scan# 143
Delta R.T. -0.04 min
Lab File: VV010920.D
Acq: 16 May 2019 03:21

Tgt Ion: 64 Resp: 1147
Ion Ratio Lower Upper
64 100
66 6.4 22.5 41.9#





#13

Acetone

Concen: 17.061 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV010920.D

Acq: 16 May 2019 03:21

Instrument :

MSVOA_V

ClientSampleId :

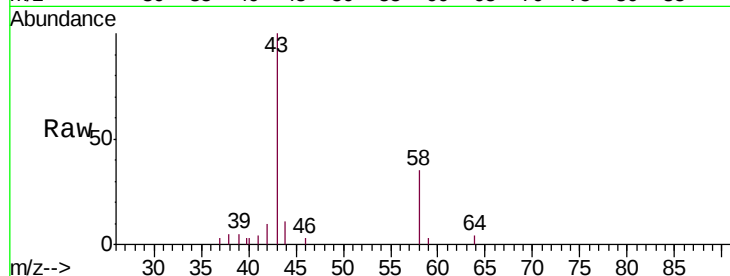
A51A5

Tgt Ion: 43 Resp: 6741

Ion Ratio Lower Upper

43 100

58 33.1 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VV010920.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV010920.D (-331) (-)

2.18

5000

4000

3000

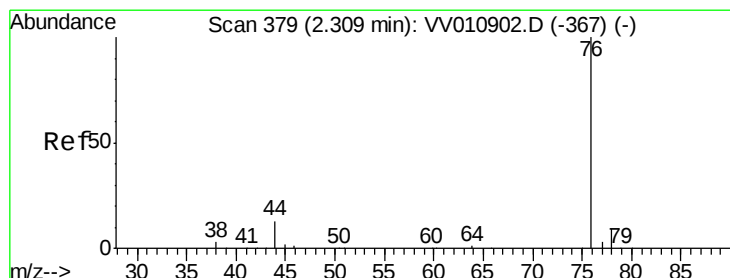
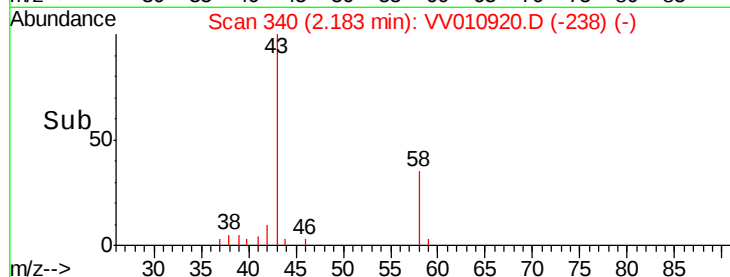
2000

1000

0

Time-->

2.15 2.20



#14

Carbon disulfide

Concen: 2.827 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.01 min

Lab File: VV010920.D

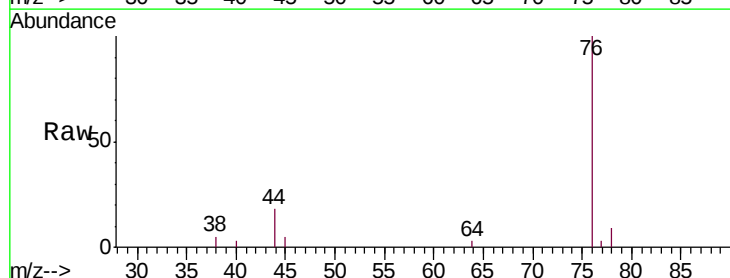
Acq: 16 May 2019 03:21

Tgt Ion: 76 Resp: 9497

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV010920.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV010920.D (-367) (-)

2.30

6000

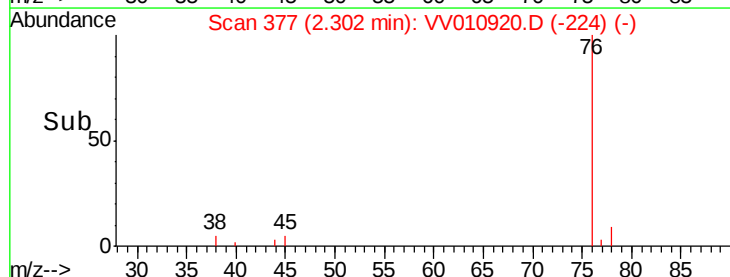
4000

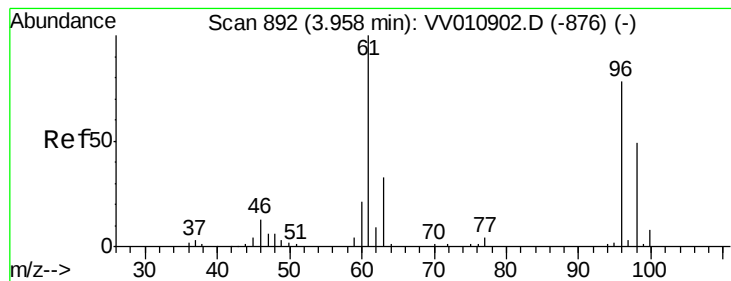
2000

0

Time-->

2.25 2.30 2.35



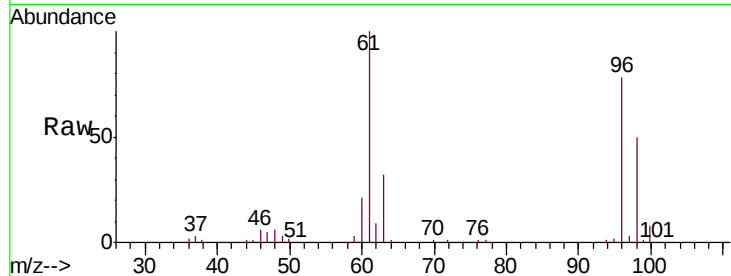


#22

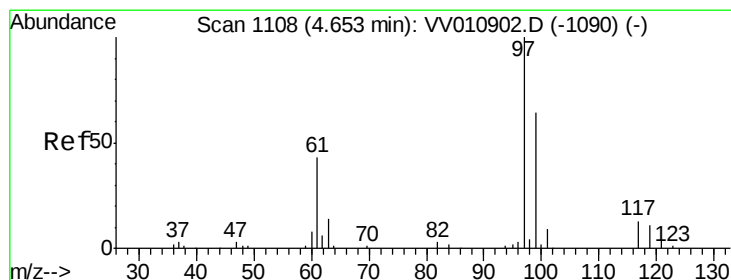
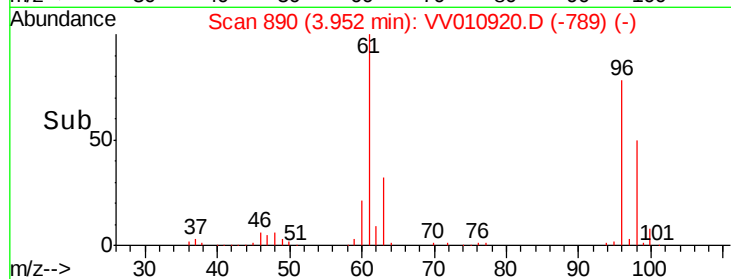
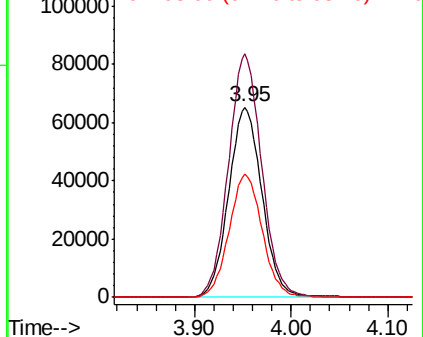
cis-1,2-Dichloroethene
 Concen: 100.759 ug/L
 RT: 3.95 min Scan# 890
 Delta R.T. -0.01 min
 Lab File: VV010920.D
 Acq: 16 May 2019 03:21

Instrument :
 MSVOA_V
 ClientSampleId :
 A51A5

Tgt Ion: 96 Resp: 156639
 Ion Ratio Lower Upper
 96 100
 61 128.2 90.2 167.6
 98 64.7 44.2 82.0



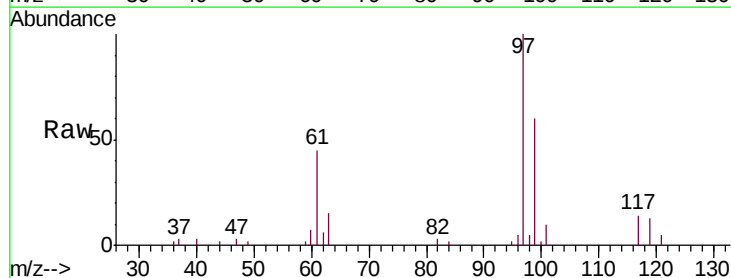
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0



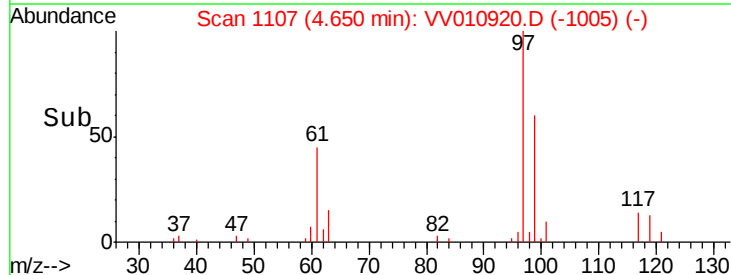
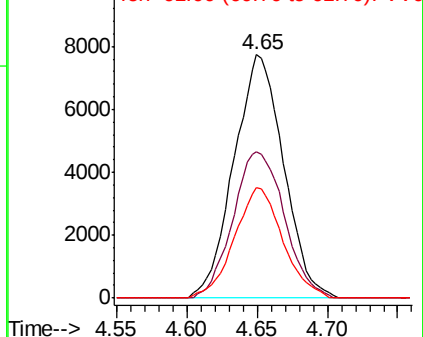
#31

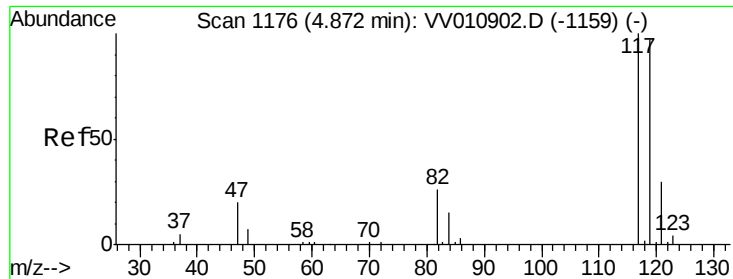
1,1,1-Trichloroethane
 Concen: 9.720 ug/L
 RT: 4.65 min Scan# 1107
 Delta R.T. -0.00 min
 Lab File: VV010920.D
 Acq: 16 May 2019 03:21

Tgt Ion: 97 Resp: 19019
 Ion Ratio Lower Upper
 97 100
 99 62.2 49.4 74.2
 61 44.3 34.6 51.8



Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0





#32

Carbon tetrachloride

Concen: 1.502 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.22 min

Lab File: VV010920.D

Acq: 16 May 2019 03:21

Instrument :

MSVOA_V

ClientSampled :

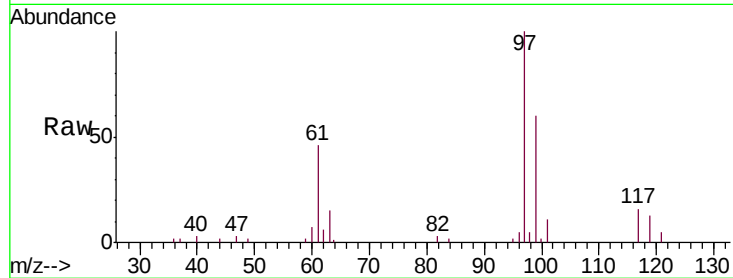
A51A5

Tgt Ion:117 Resp: 2508

Ion Ratio Lower Upper

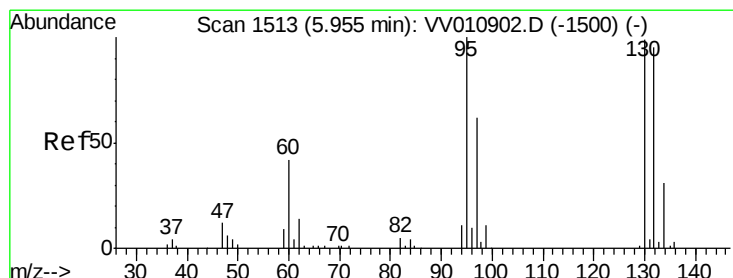
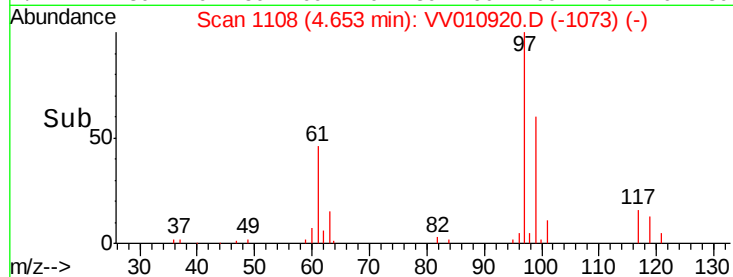
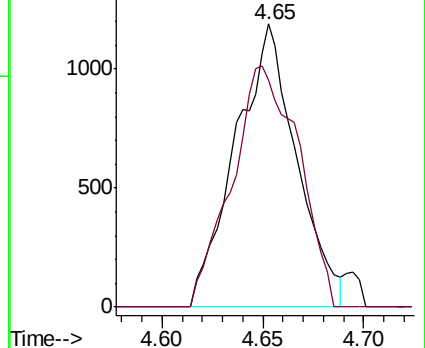
117 100

119 93.0 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#35

Trichloroethene

Concen: 4002.740 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.01 min

Lab File: VV010920.D

Acq: 16 May 2019 03:21

Tgt Ion: 95 Resp: 5447455

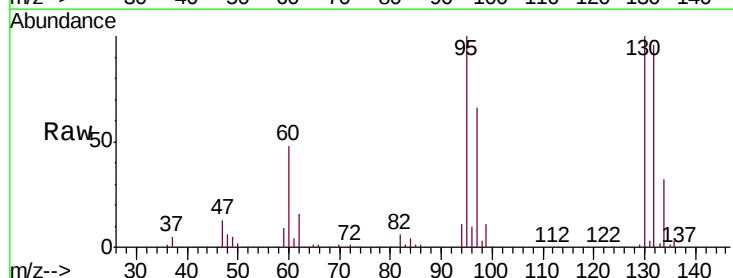
Ion Ratio Lower Upper

95 100

97 66.1 46.0 85.4

132 96.4 67.4 125.2

130 100.5 68.5 127.1

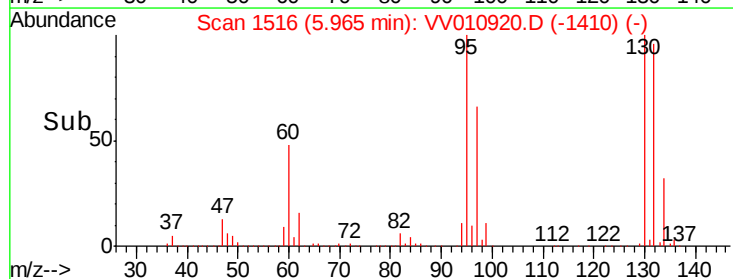
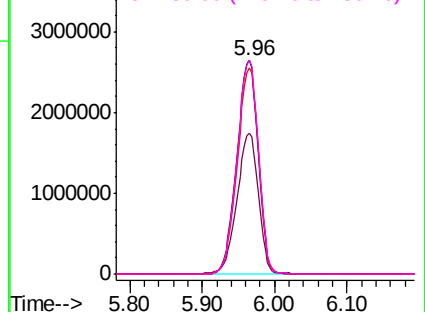


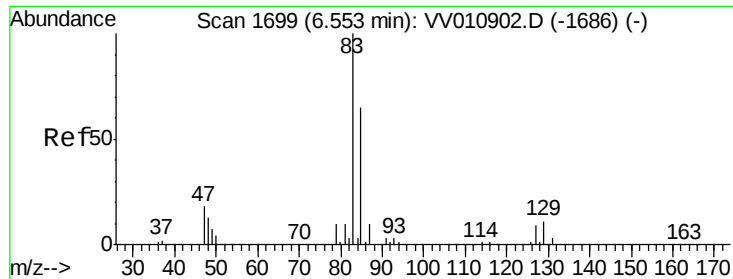
Abundance Ion 95.00 (94.70 to 95.70): VV0

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





#41

Bromodichloromethane

Concen: 0.905 ug/L

RT: 6.59 min Scan# 1709

Delta R.T. 0.03 min

Lab File: VV010920.D

Acq: 16 May 2019 03:21

Instrument :

MSVOA_V

ClientSampled :

A51A5

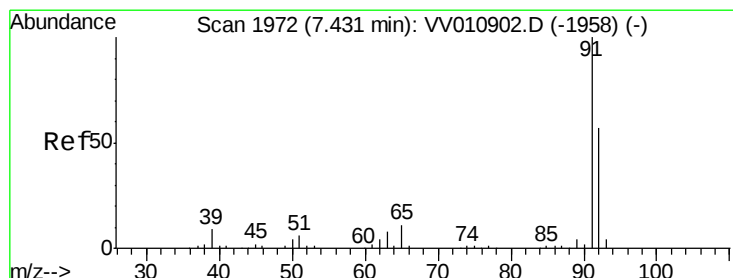
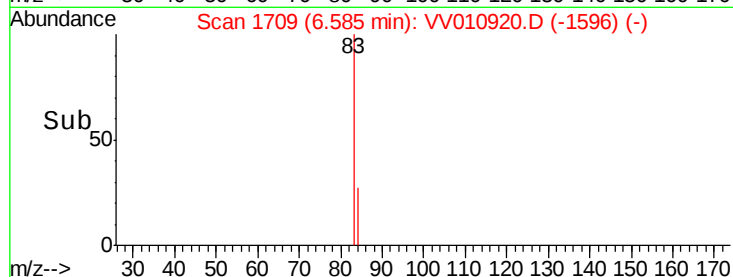
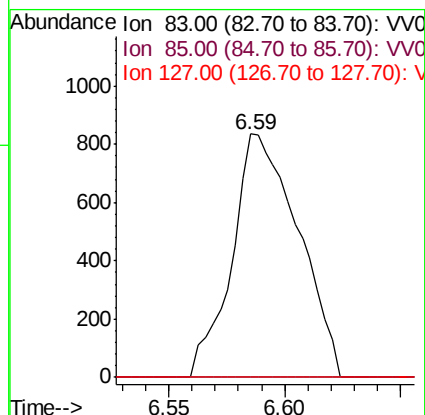
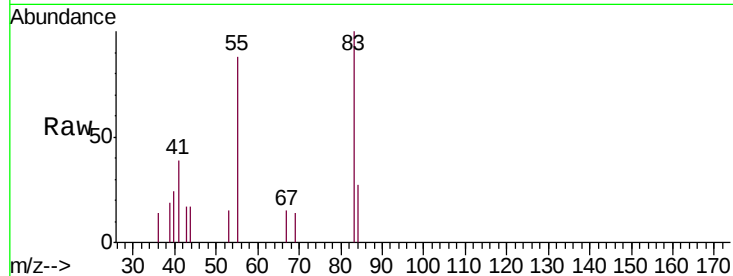
Tgt Ion: 83 Resp: 1659

Ion Ratio Lower Upper

83 100

85 0.0 45.3 84.1#

127 0.0 7.4 11.2#



#44

Toluene

Concen: 0.770 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV010920.D

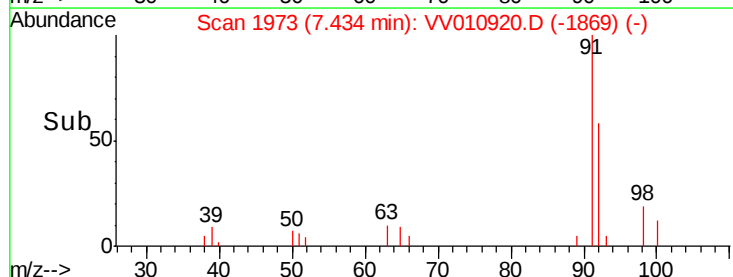
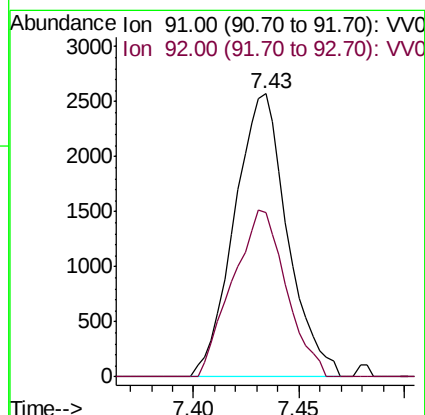
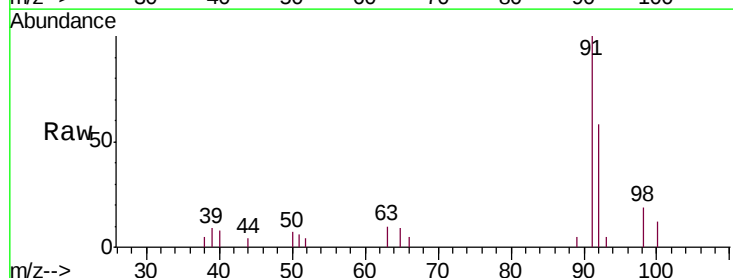
Acq: 16 May 2019 03:21

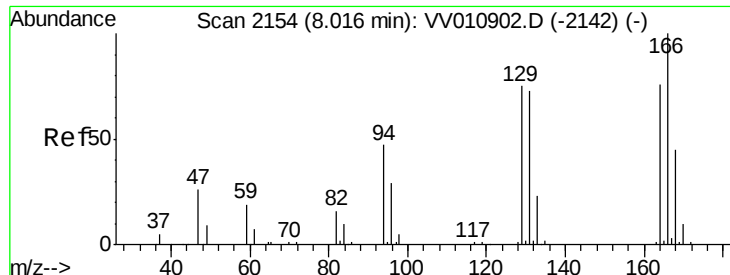
Tgt Ion: 91 Resp: 4493

Ion Ratio Lower Upper

91 100

92 58.1 39.1 72.7





#47

Tetrachloroethene

Concen: 232.383 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV010920.D

Acq: 16 May 2019 03:21

Instrument :

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ClientSampled :

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Tgt Ion:164 Resp: 233685

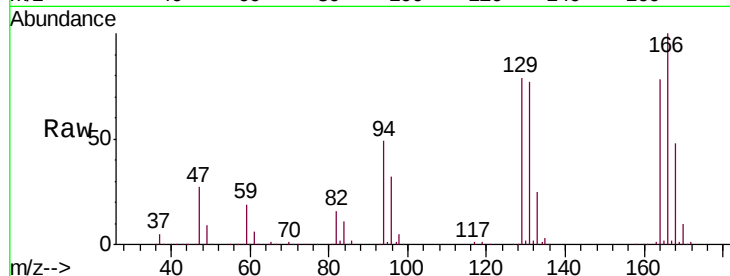
Ion Ratio Lower Upper

164 100

129 102.2 67.6 125.6

131 98.5 65.1 120.9

166 128.7 84.8 157.6

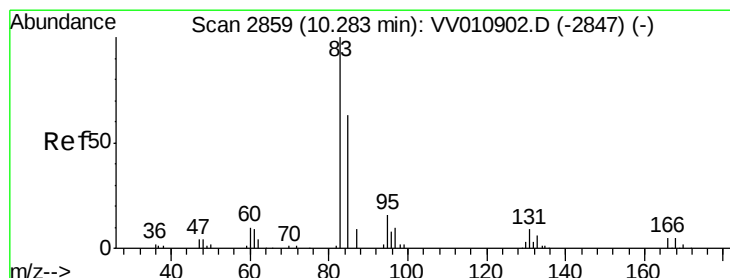
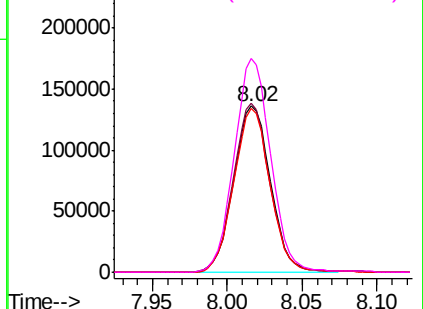
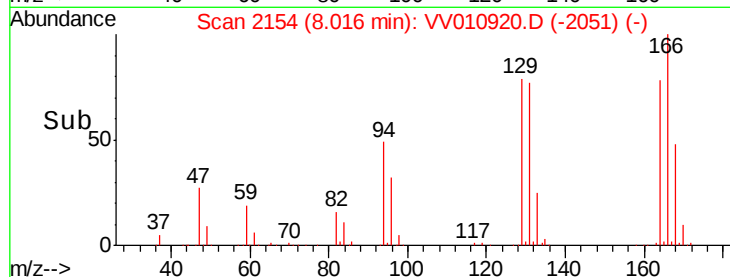


Abundance Ion 164.00 (163.70 to 164.70): V

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



#58

1,1,2,2-Tetrachloroethane

Concen: 0.850 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV010920.D

Acq: 16 May 2019 03:21

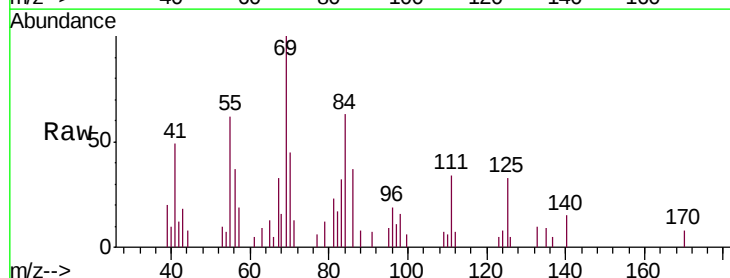
Tgt Ion: 83 Resp: 1293

Ion Ratio Lower Upper

83 100

85 0.0 46.7 86.7#

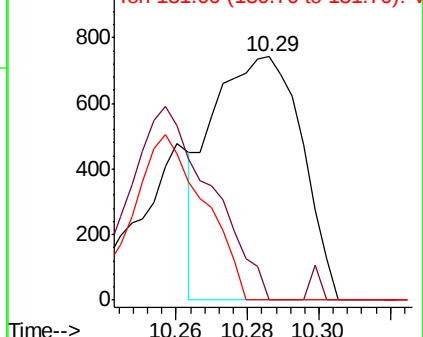
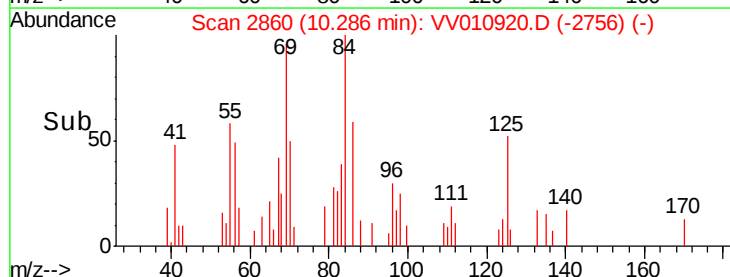
131 0.0 8.5 12.7#

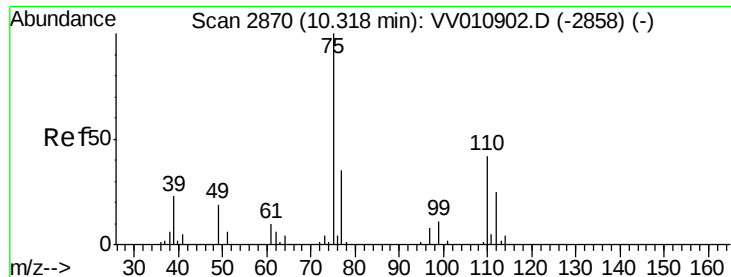


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 3.652 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.97 min

Lab File: VV010920.D

Acq: 16 May 2019 03:21

Instrument :

MSVOA_V

ClientSampleId :

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Tgt Ion: 75 Resp: 4025

Ion Ratio Lower Upper

75 100

77 40.2 26.4 39.6#

