

Data File : VV011181.D
Acq On : 31 May 2019 16:43
Operator : SY/MD
Sample : K3083-01RE
Misc : 3.22G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51F3RE

Quant Time: Jun 01 00:30:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 01 00:27:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	339071	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	258348	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	67871	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	101110	22.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.16%
7) Chloroethane-d5	1.58	69	84741	24.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.12%
10) 1,1-Dichloroethene-d2	2.12	63	168529	17.90	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.60%
20) 2-Butanone-d5	3.94	46	50638	30.20	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	60.40%
24) Chloroform-d	4.40	84	193102	23.30	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.20%
26) 1,2-Dichloroethane-d4	5.08	65	103714	19.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	76.80%
29) Benzene-d6	5.09	84	401244	28.60	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	114.40%
33) 1,2-Dichloropropane-d6	6.11	67	120982	26.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.64%
37) Toluene-d8	7.36	98	348139	26.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.20%
38) trans-1,3-Dichloropropene-	7.66	79	42644	20.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.84%
39) 2-Hexanone-d5	8.13	63	36626	35.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	71.70%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	59329	14.64	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	58.56%
61) 1,2-Dichlorobenzene-d4	11.67	152	50399	19.84	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	79.36%

Target Compounds

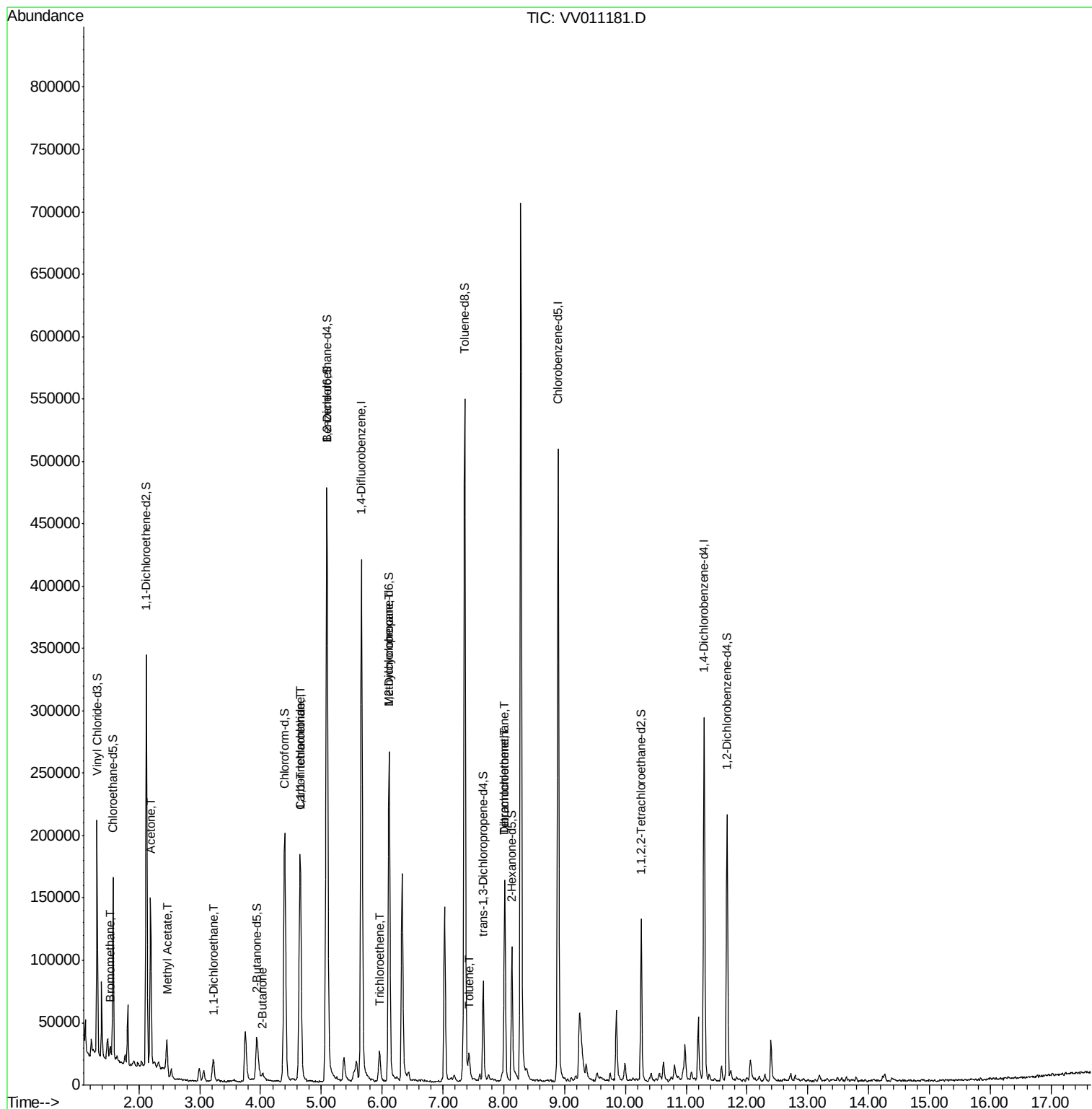
						Qvalue
6) Bromomethane	1.53	94	3658	1.271	ug/L	94
13) Acetone	2.19	43	130930	67.121	ug/L	100
15) Methyl Acetate	2.46	43	24623	8.389	ug/L	98
19) 1,1-Dichloroethane	3.23	63	15006	1.671	ug/L	100
21) 2-Butanone	4.04	43	6603	2.885	ug/L	94
31) 1,1,1-Trichloroethane	4.65	97	138990	23.492	ug/L	99
32) Carbon tetrachloride	4.65	117	17277	3.444	ug/L	99
35) Trichloroethene	5.96	95	8243	2.053	ug/L	97
36) Methylcyclohexane	6.12	83	27766	4.086	ug/L #	16
44) Toluene	7.43	91	12727	0.761	ug/L	95
47) Tetrachloroethene	8.02	164	33320	11.197	ug/L	95
50) Dibromochloromethane	8.02	129	31969	9.009	ug/L #	11

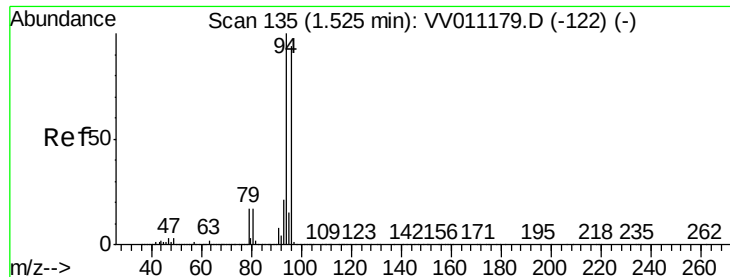
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Bromomethane

Concen: 1.271 ug/L

RT: 1.53 min Scan# 136

Delta R.T. 0.00 min

Lab File: VV011181.D

Acq: 31 May 2019 16:43

Instrument :

MSVOA_V

ClientSampleId :

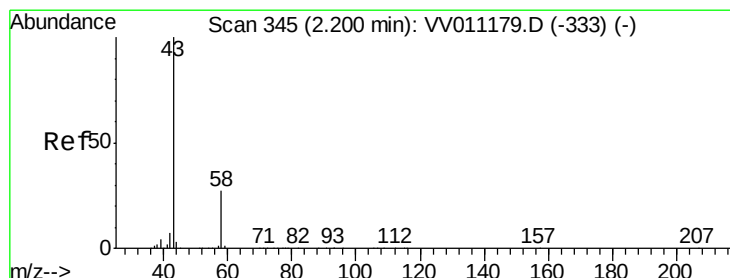
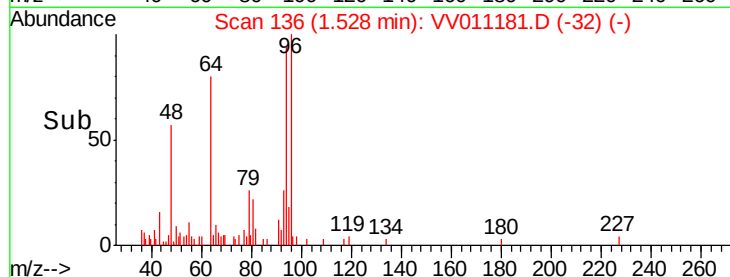
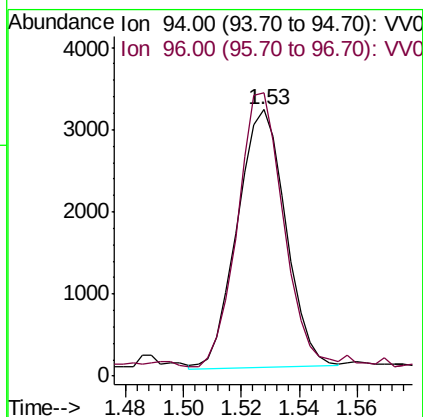
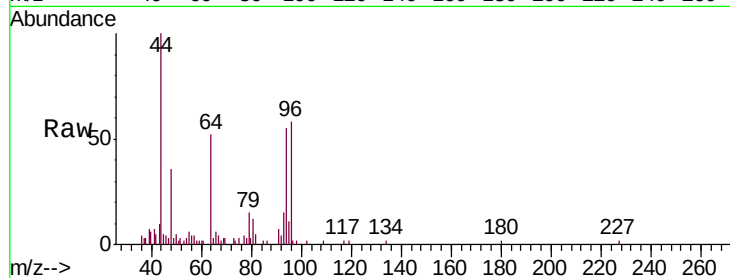
A51F3RE

Tgt Ion: 94 Resp: 3658

Ion Ratio Lower Upper

94 100

96 100.5 9.4 179.5



#13

Acetone

Concen: 67.121 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.01 min

Lab File: VV011181.D

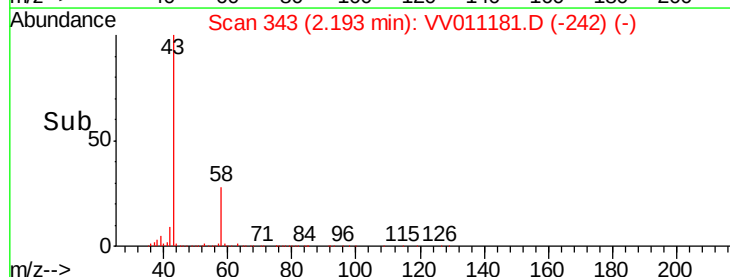
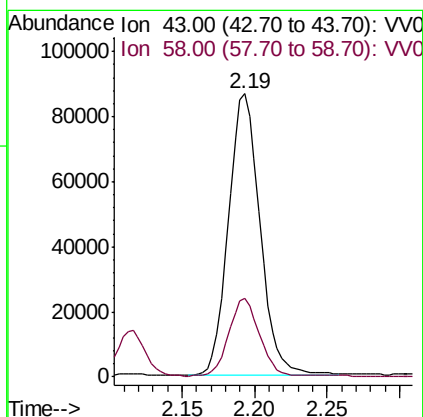
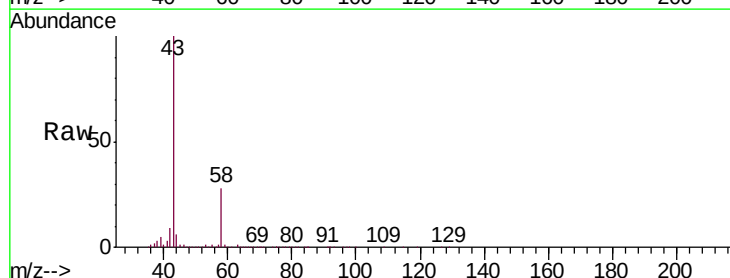
Acq: 31 May 2019 16:43

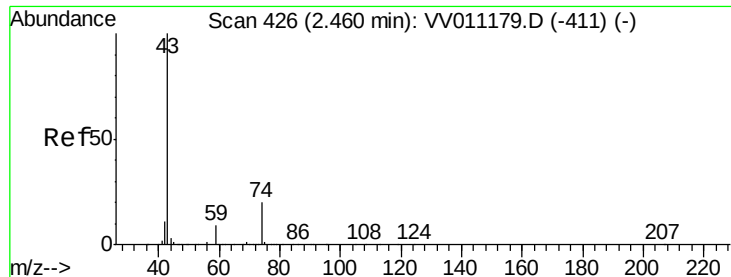
Tgt Ion: 43 Resp: 130930

Ion Ratio Lower Upper

43 100

58 26.7 0.0 53.8

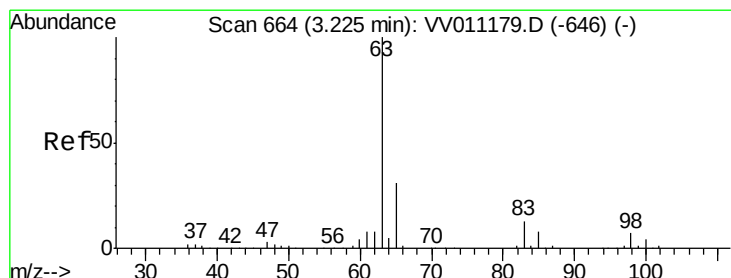
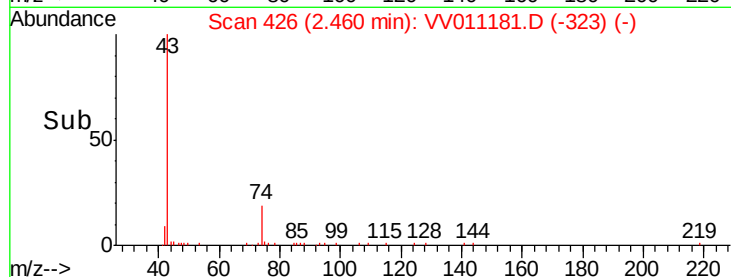
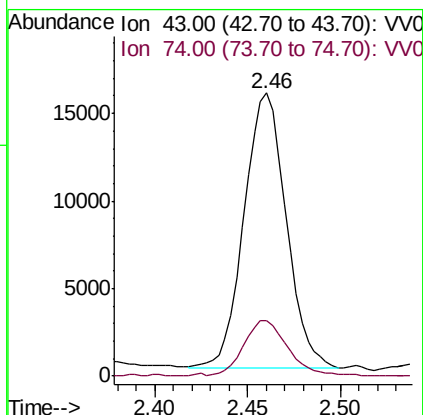
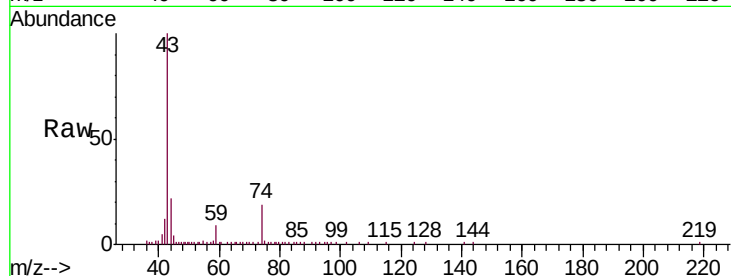




#15
Methyl Acetate
Concen: 8.389 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: VV011181.D
Acq: 31 May 2019 16:43

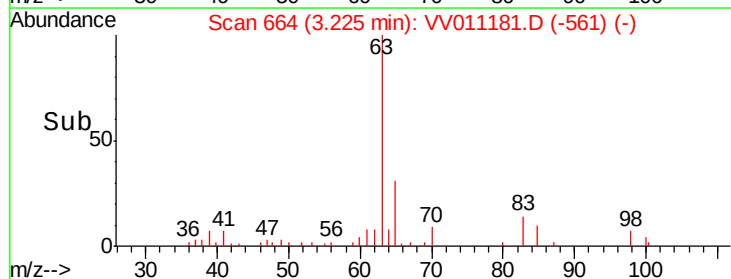
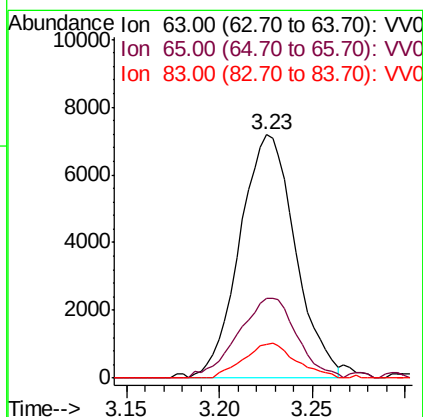
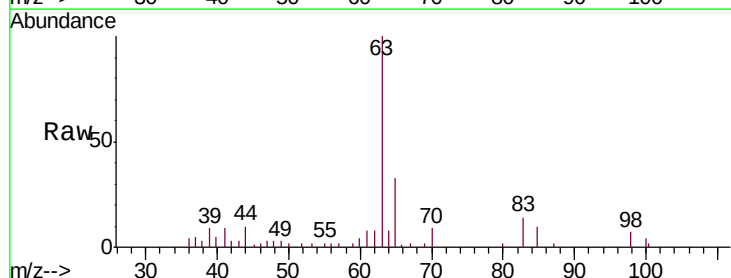
Instrument :
MSVOA_V
ClientSampleId :
A51F3RE

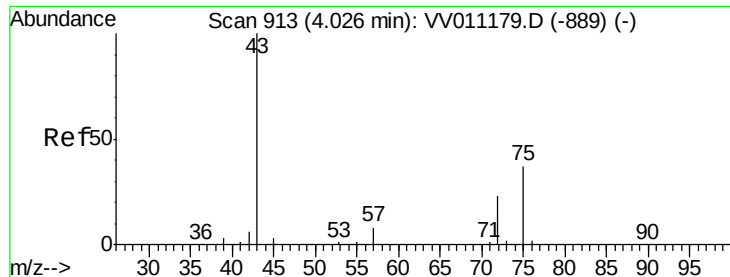
Tgt Ion: 43 Resp: 24623
Ion Ratio Lower Upper
43 100
74 21.4 16.2 24.4



#19
1,1-Dichloroethane
Concen: 1.671 ug/L
RT: 3.23 min Scan# 664
Delta R.T. -0.00 min
Lab File: VV011181.D
Acq: 31 May 2019 16:43

Tgt Ion: 63 Resp: 15006
Ion Ratio Lower Upper
63 100
65 32.5 22.7 42.3
83 13.7 9.2 17.0





#21

2-Butanone

Concen: 2.885 ug/L

RT: 4.04 min Scan# 917

Delta R.T. 0.01 min

Lab File: VV011181.D

Acq: 31 May 2019 16:43

Instrument :

MSVOA_V

ClientSampleId :

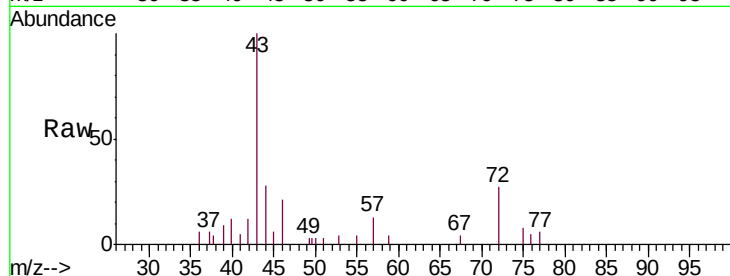
A51F3RE

Tgt Ion: 43 Resp: 6603

Ion Ratio Lower Upper

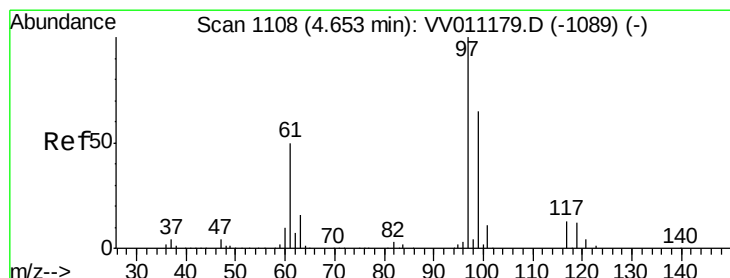
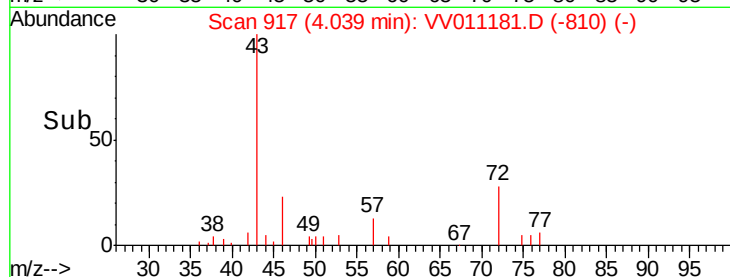
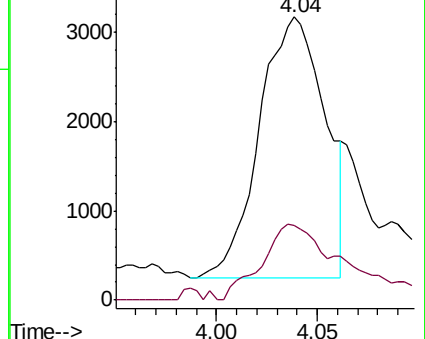
43 100

72 24.8 11.1 33.3



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0



#31

1,1,1-Trichloroethane

Concen: 23.492 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV011181.D

Acq: 31 May 2019 16:43

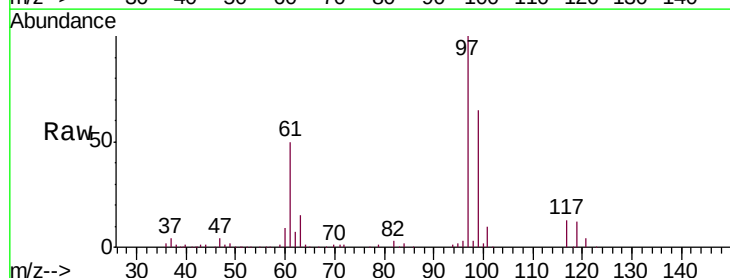
Tgt Ion: 97 Resp: 138990

Ion Ratio Lower Upper

97 100

99 65.3 51.3 76.9

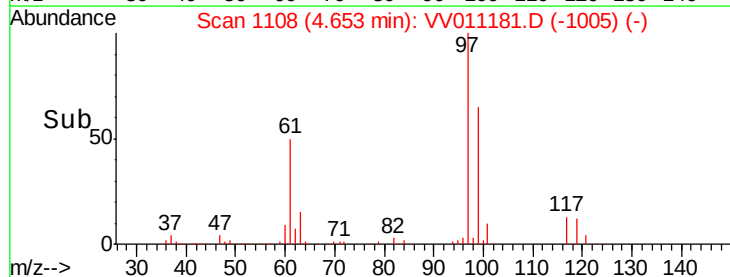
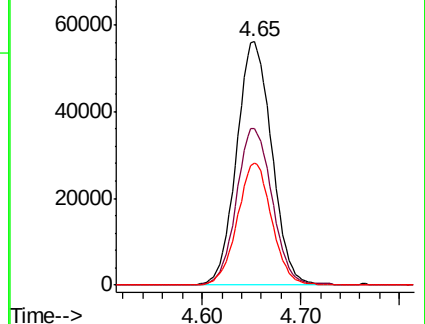
61 48.8 38.4 57.6

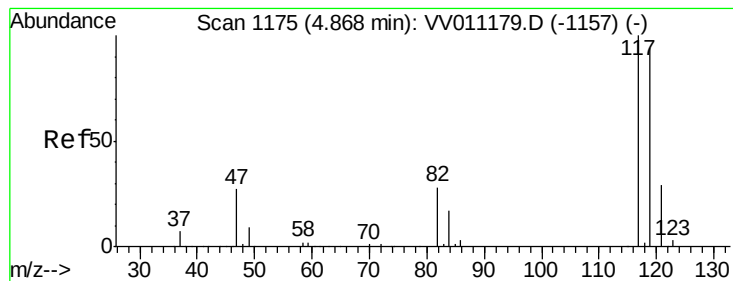


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.00 (60.70 to 61.70): VV0





#32

Carbon tetrachloride

Concen: 3.444 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.22 min

Lab File: VV011181.D

Acq: 31 May 2019 16:43

Instrument :

MSVOA_V

ClientSampleId :

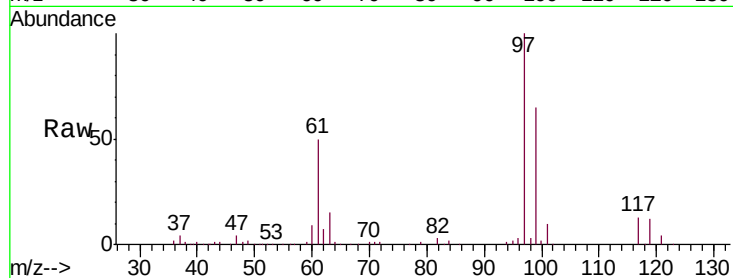
A51F3RE

Tgt Ion:117 Resp: 17277

Ion Ratio Lower Upper

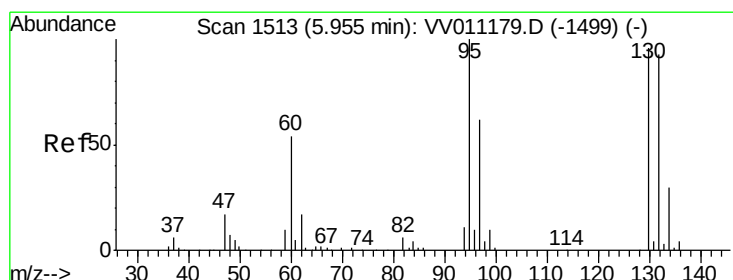
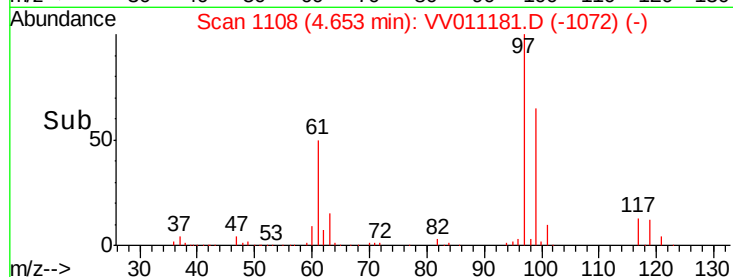
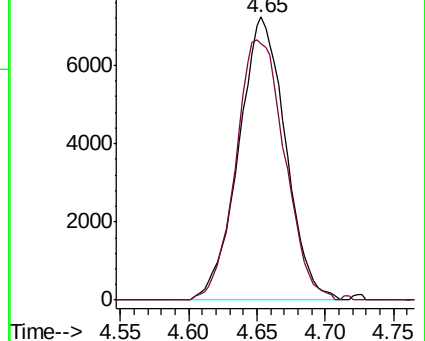
117 100

119 96.0 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#35

Trichloroethene

Concen: 2.053 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV011181.D

Acq: 31 May 2019 16:43

Tgt Ion: 95 Resp: 8243

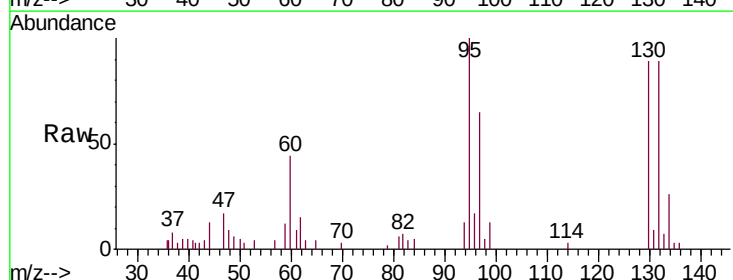
Ion Ratio Lower Upper

95 100

97 62.8 44.4 82.5

132 89.7 66.0 122.6

130 93.5 67.4 125.2

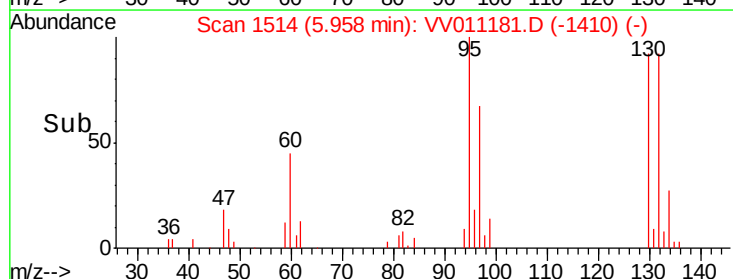
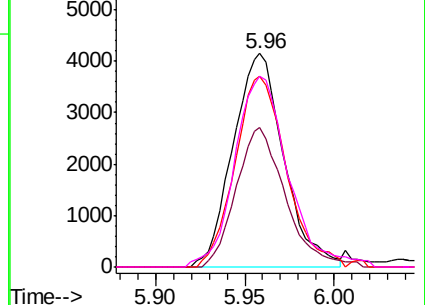


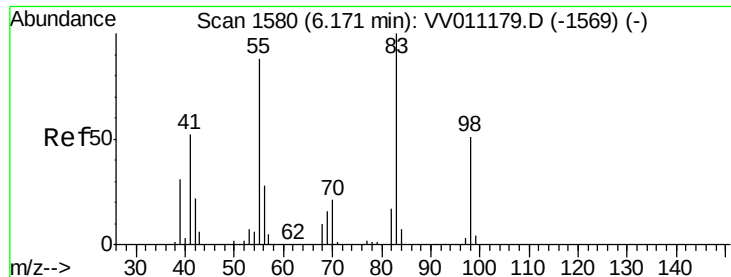
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

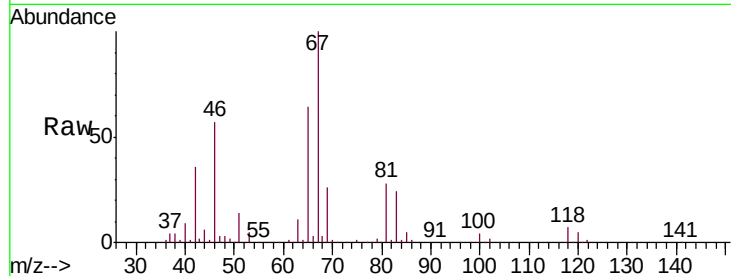




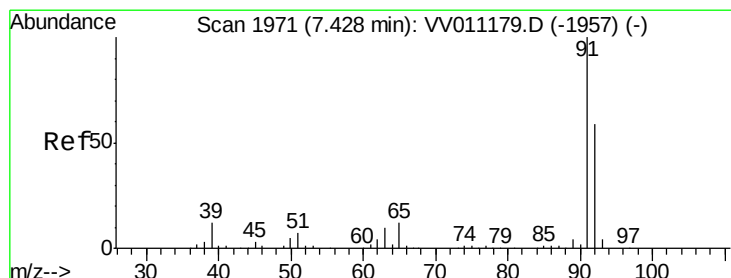
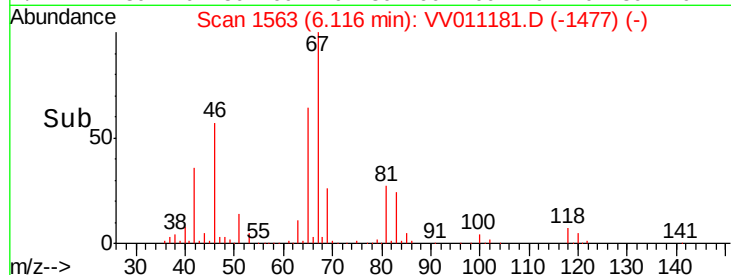
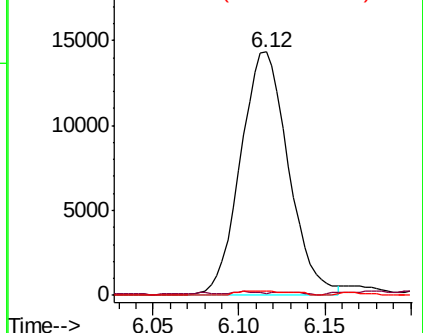
#36
Methylcyclohexane
Concen: 4.086 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VV011181.D
Acq: 31 May 2019 16:43

Instrument :
MSVOA_V
ClientSampleId :
A51F3RE

Tgt Ion: 83 Resp: 27766
Ion Ratio Lower Upper
83 100
55 0.8 66.4 99.6#
98 0.0 37.9 56.9#

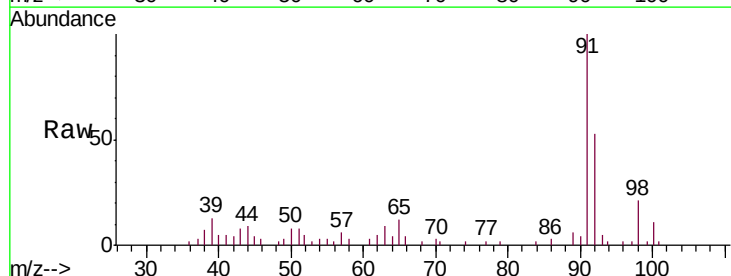


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

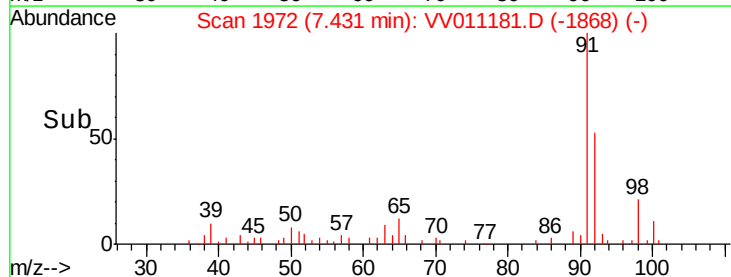
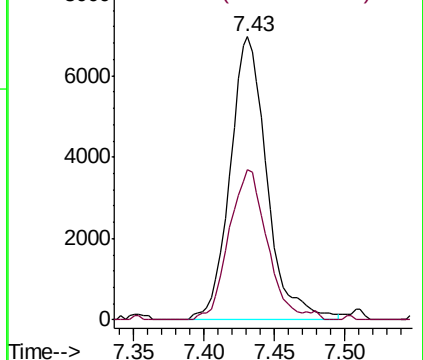


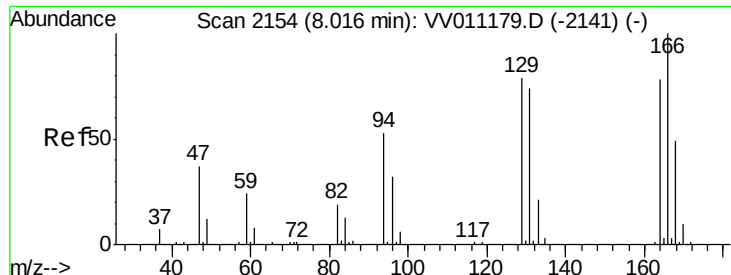
#44
Toluene
Concen: 0.761 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VV011181.D
Acq: 31 May 2019 16:43

Tgt Ion: 91 Resp: 12727
Ion Ratio Lower Upper
91 100
92 53.0 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VV0
Ion 92.00 (91.70 to 92.70): VV0

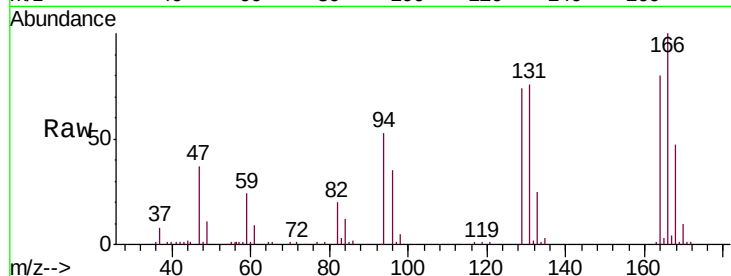




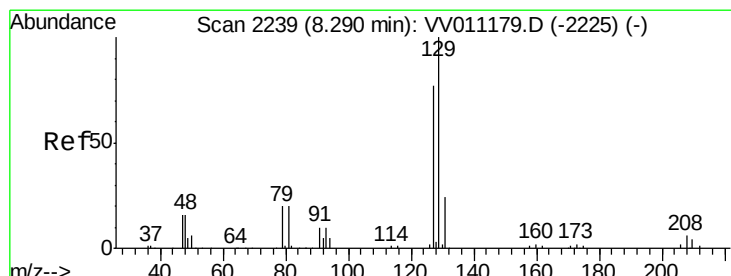
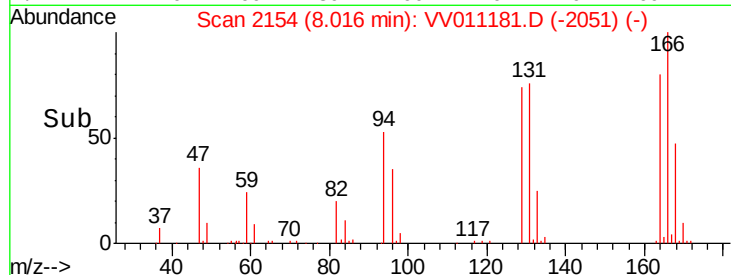
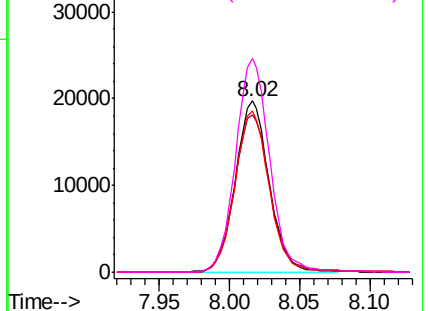
#47
Tetrachloroethene
Concen: 11.197 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV011181.D
Acq: 31 May 2019 16:43

Instrument :
MSVOA_V
ClientSampleId :
A51F3RE

Tgt Ion:164 Resp: 33320
Ion Ratio Lower Upper
164 100
129 91.9 69.1 128.3
131 94.2 65.5 121.6
166 124.6 93.2 173.0

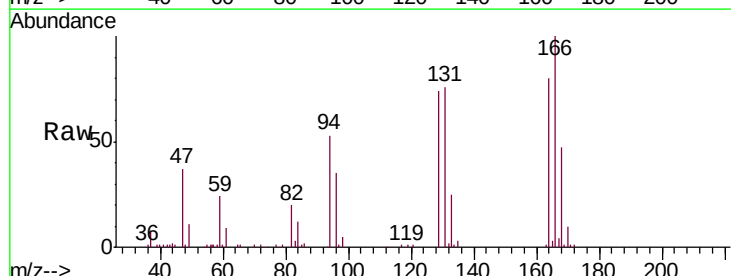


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V



#50
Dibromochloromethane
Concen: 9.009 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV011181.D
Acq: 31 May 2019 16:43

Tgt Ion:129 Resp: 31969
Ion Ratio Lower Upper
129 100
127 0.0 53.8 99.8#



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

