

Data File : VV011183.D
Acq On : 31 May 2019 17:40
Operator : SY/MD
Sample : K3083-04RE
Misc : 4.40G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51F7RE

Quant Time: Jun 01 00:31:21 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	323364	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	257463	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	74451	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	94097	21.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.04%
7) Chloroethane-d5	1.57	69	81067	24.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.40%
10) 1,1-Dichloroethene-d2	2.12	63	154996	17.26	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.04%
20) 2-Butanone-d5	3.94	46	71008	44.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.80%
24) Chloroform-d	4.40	84	196926	24.91	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.64%
26) 1,2-Dichloroethane-d4	5.08	65	118759	23.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.24%
29) Benzene-d6	5.10	84	398565	28.50	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	114.00%
33) 1,2-Dichloropropane-d6	6.12	67	126604	28.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	113.04%
37) Toluene-d8	7.36	98	341871	25.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.64%
38) trans-1,3-Dichloropropene-	7.66	79	48652	24.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.00%
39) 2-Hexanone-d5	8.13	63	53563	52.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.20%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	83779	20.75	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	83.00%
61) 1,2-Dichlorobenzene-d4	11.67	152	62326	22.37	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.48%

Target Compounds

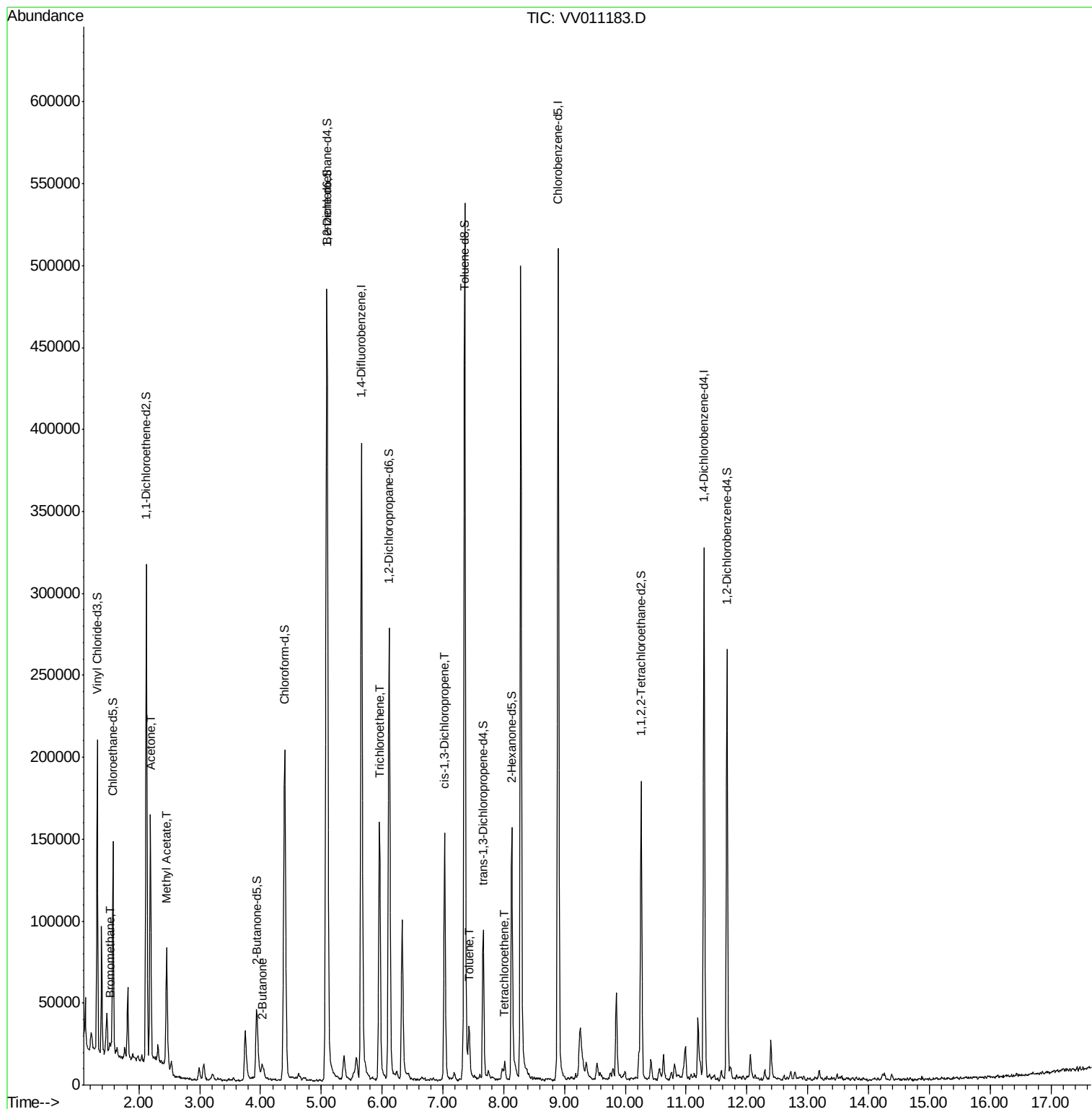
						Qvalue
6) Bromomethane	1.52	94	1899	0.692	ug/L	90
13) Acetone	2.19	43	141927	76.293	ug/L	99
15) Methyl Acetate	2.46	43	73849	26.382	ug/L	99
21) 2-Butanone	4.03	43	13694	6.275	ug/L	93
35) Trichloroethene	5.96	95	52815	13.197	ug/L	99
42) cis-1,3-Dichloropropene	7.03	75	4445	0.697	ug/L	83
44) Toluene	7.43	91	18508	1.111	ug/L	99
47) Tetrachloroethene	8.02	164	2032	0.685	ug/L	86

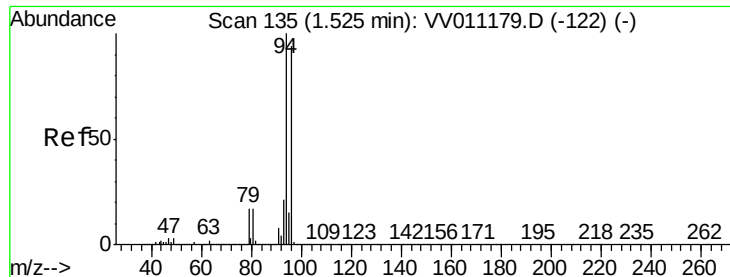
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Jun 01 00:27:53 2019
Response via : Initial Calibration





#6

Bromomethane

Concen: 0.692 ug/L

RT: 1.52 min Scan# 135

Delta R.T. -0.00 min

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Acq: 31 May 2019 17:40

Instrument :

MSVOA_V

ClientSampleId :

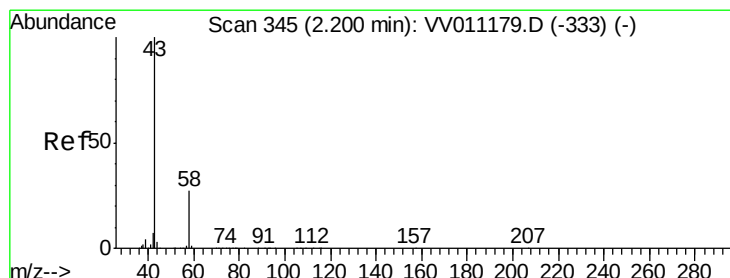
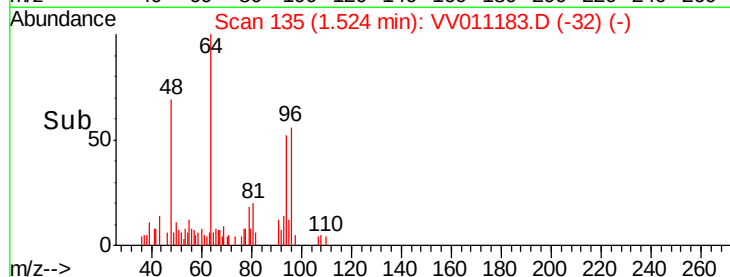
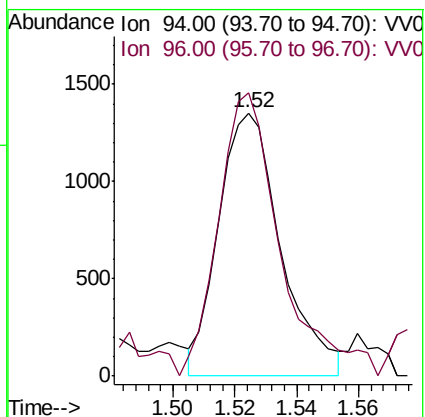
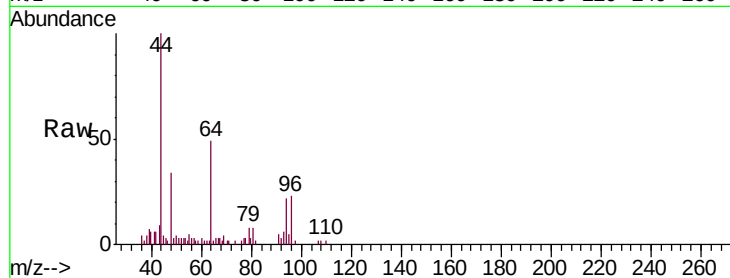
A51F7RE

Tgt Ion: 94 Resp: 1899

Ion Ratio Lower Upper

94 100

96 104.4 9.4 179.5



#13

Acetone

Concen: 76.293 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.01 min

Lab File: VV011183.D

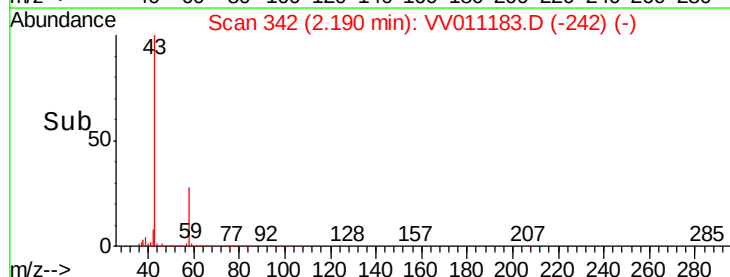
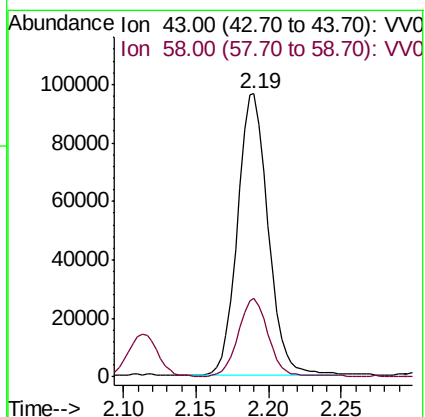
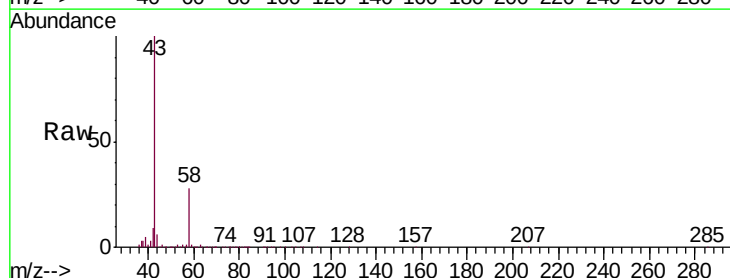
Acq: 31 May 2019 17:40

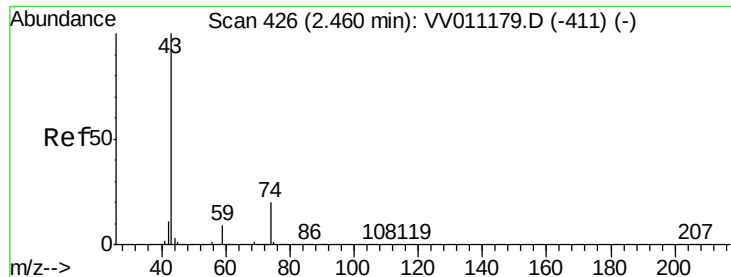
Tgt Ion: 43 Resp: 141927

Ion Ratio Lower Upper

43 100

58 26.6 0.0 53.8

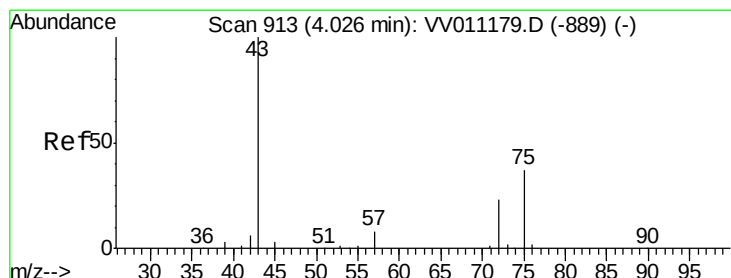
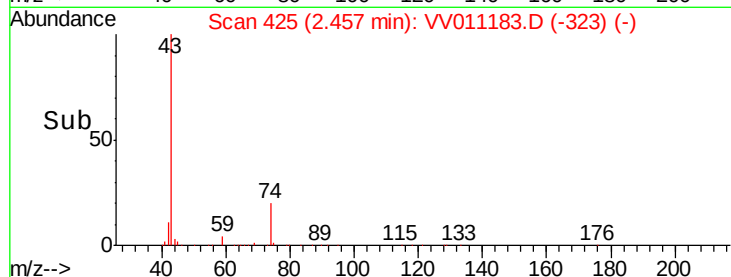
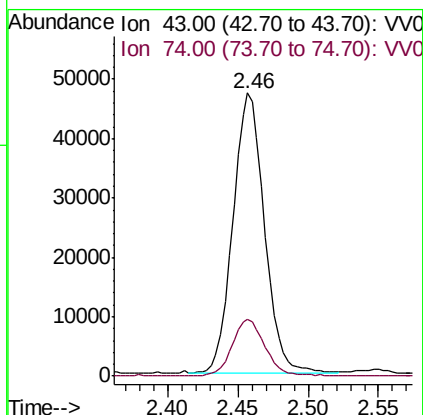
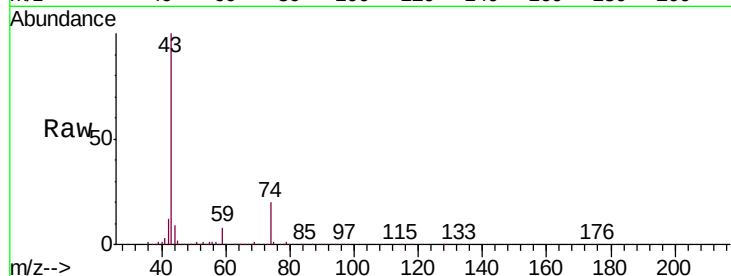




#15
Methyl Acetate
Concen: 26.382 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VV011183.D
Acq: 31 May 2019 17:40

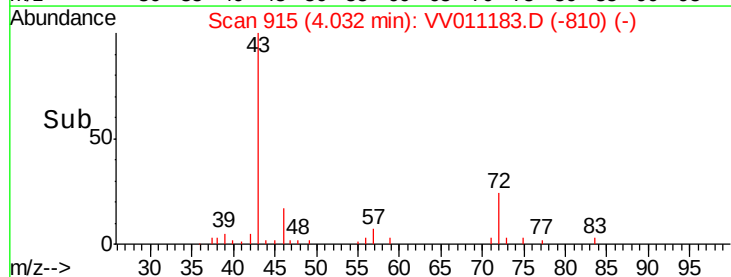
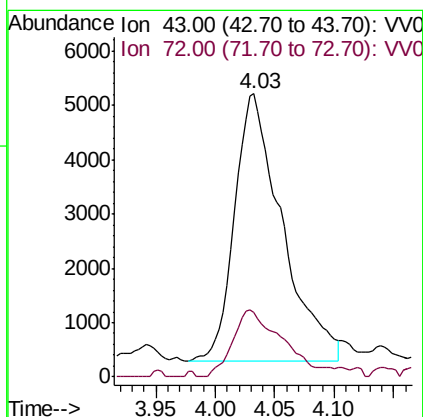
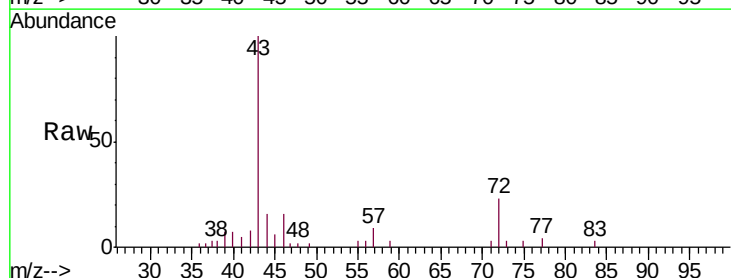
Instrument :
MSVOA_V
ClientSampleId :
A51F7RE

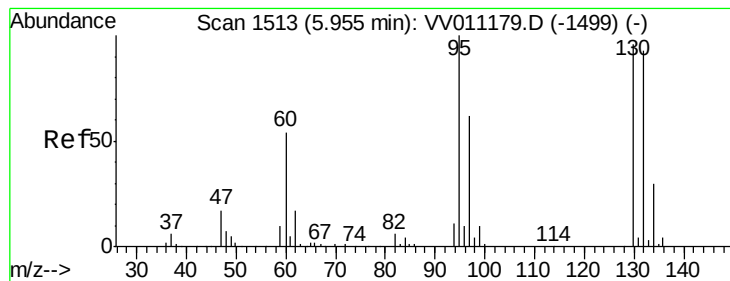
Tgt Ion: 43 Resp: 73849
Ion Ratio Lower Upper
43 100
74 20.9 16.2 24.4



#21
2-Butanone
Concen: 6.275 ug/L
RT: 4.03 min Scan# 915
Delta R.T. 0.01 min
Lab File: VV011183.D
Acq: 31 May 2019 17:40

Tgt Ion: 43 Resp: 13694
Ion Ratio Lower Upper
43 100
72 25.4 11.1 33.3





#35

Trichloroethene

Concen: 13.197 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV011183.D

Acq: 31 May 2019 17:40

Instrument :

MSVOA_V

ClientSampleId :

A51F7RE

Tgt Ion: 95 Resp: 52815

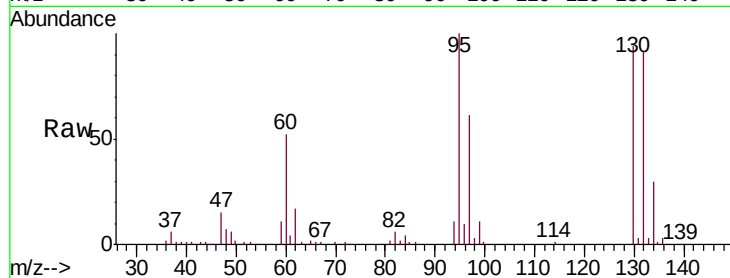
Ion Ratio Lower Upper

95 100

97 63.7 44.4 82.5

132 92.3 66.0 122.6

130 96.8 67.4 125.2

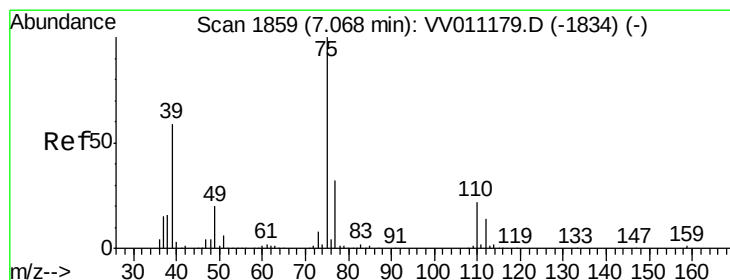
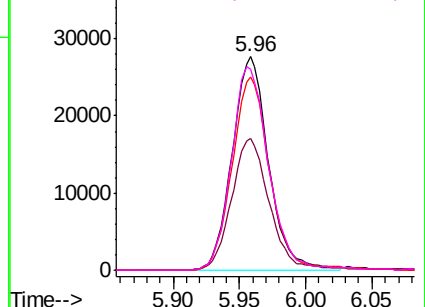
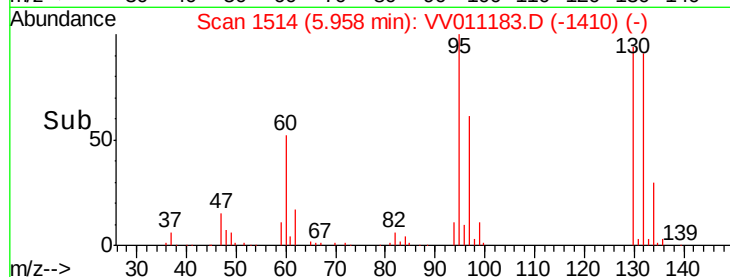


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#42

cis-1,3-Dichloropropene

Concen: 0.697 ug/L

RT: 7.03 min Scan# 1846

Delta R.T. -0.04 min

Lab File: VV011183.D

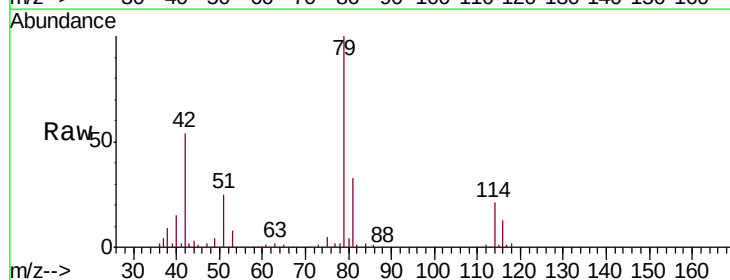
Acq: 31 May 2019 17:40

Tgt Ion: 75 Resp: 4445

Ion Ratio Lower Upper

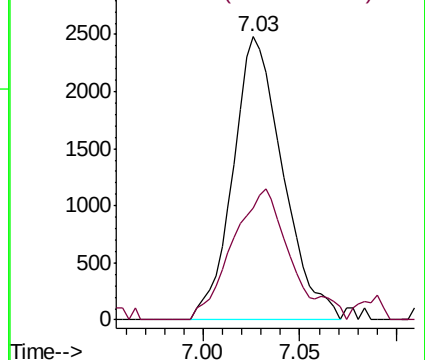
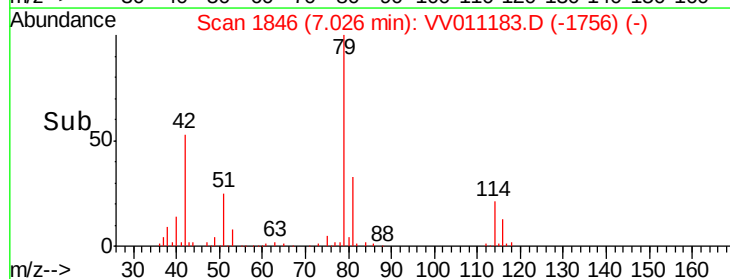
75 100

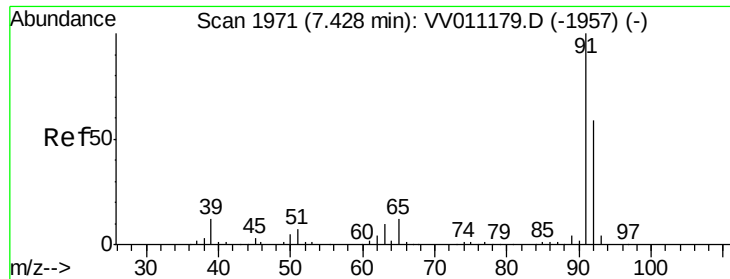
77 39.5 21.3 39.6



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#44

Toluene

Concen: 1.111 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VV011183.D

Acq: 31 May 2019 17:40

Instrument :

MSVOA_V

ClientSampleId :

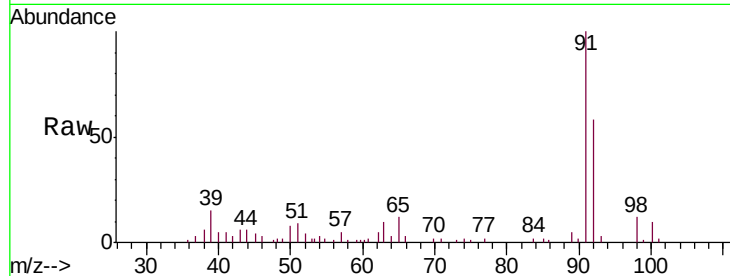
A51F7RE

Tgt Ion: 91 Resp: 18508

Ion Ratio Lower Upper

91 100

92 58.0 39.9 74.1

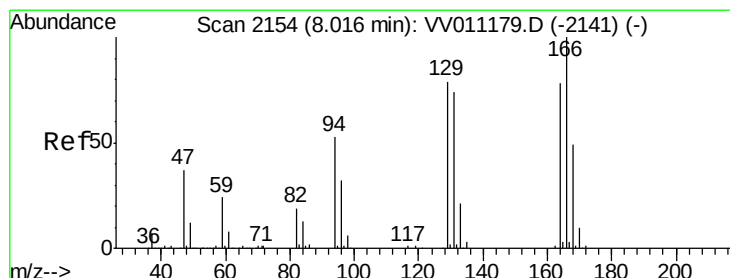
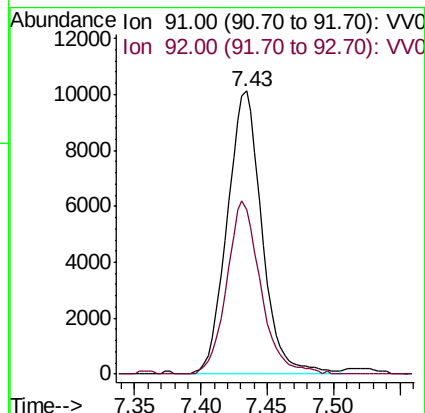
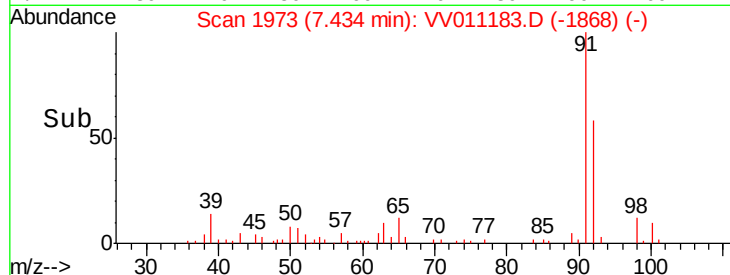


Abundance Ion 91.00 (90.70 to 91.70): VV011179.D (-1957) (-)

Ion 92.00 (91.70 to 92.70): VV011179.D (-1957) (-)

7.43

Time-->



#47

Tetrachloroethene

Concen: 0.685 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV011183.D

Acq: 31 May 2019 17:40

Tgt Ion: 164 Resp: 2032

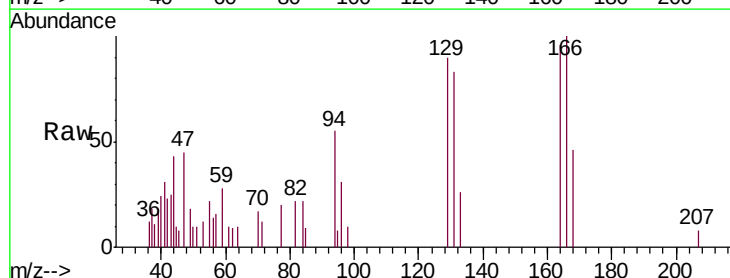
Ion Ratio Lower Upper

164 100

129 93.1 69.1 128.3

131 86.1 65.5 121.6

166 104.0 93.2 173.0



Abundance Ion 164.00 (163.70 to 164.70): VV011179.D (-2141) (-)

Ion 129.00 (128.70 to 129.70): VV011179.D (-2141) (-)

Ion 131.00 (130.70 to 131.70): VV011179.D (-2141) (-)

Ion 166.00 (165.70 to 166.70): VV011179.D (-2141) (-)

8.02

Time-->

