

Data File : VV009664.D
Acq On : 14 Mar 2019 14:34
Operator : SY/MD
Sample : K1838-19
Misc : 5.72G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF181

Quant Time: Mar 15 04:33:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM031319S.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 15 04:30:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	142867	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	138701	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	59354	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	20111	11.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	44.04%
7) Chloroethane-d5	1.57	69	25287	11.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	44.88%
10) 1,1-Dichloroethene-d2	2.13	63	45759	9.27	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	37.08%#
20) 2-Butanone-d5	3.93	46	19062	39.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.68%
24) Chloroform-d	4.40	84	54979	15.09	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	60.36%
26) 1,2-Dichloroethane-d4	5.08	65	36785	17.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	71.40%
29) Benzene-d6	5.10	84	113577	15.61	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	62.44%
33) 1,2-Dichloropropane-d6	6.12	67	37575	17.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	70.68%
37) Toluene-d8	7.36	98	101787	14.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	57.84%
38) trans-1,3-Dichloropropene-	7.66	79	14822	15.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	60.68%
39) 2-Hexanone-d5	8.13	63	14316	36.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	73.14%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	37877	18.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	75.28%
61) 1,2-Dichlorobenzene-d4	11.68	152	41101	17.88	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	71.52%#

Target Compounds

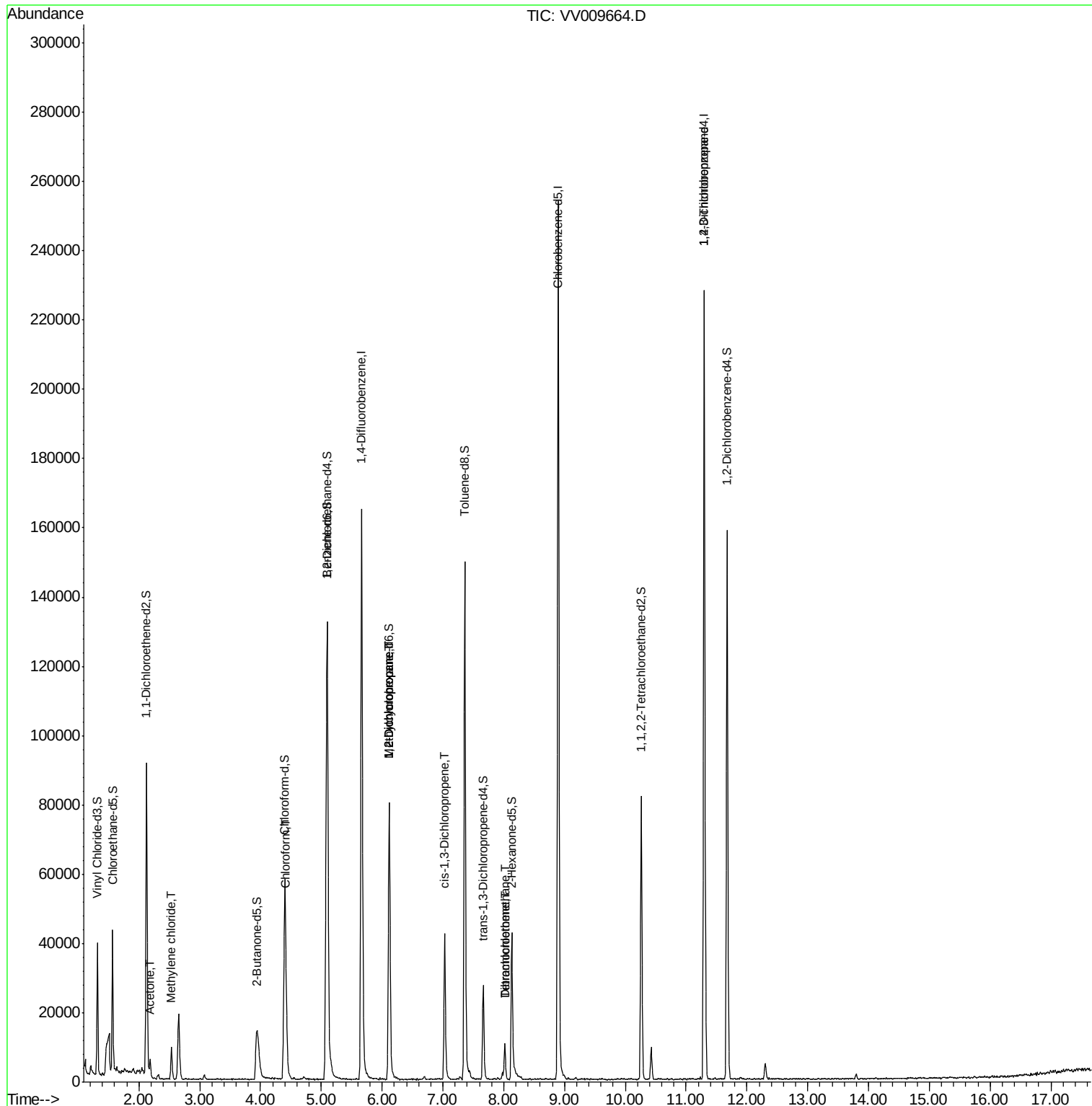
						Qvalue
13) Acetone	2.19	43	1908	3.308	ug/L	85
16) Methylene chloride	2.53	84	3822	1.838	ug/L	94
25) Chloroform	4.42	83	8142	2.193	ug/L	92
36) Methylcyclohexane	6.12	83	9359	2.581	ug/L #	20
40) 1,2-Dichloropropane	6.12	63	4406	2.306	ug/L #	88
42) cis-1,3-Dichloropropene	7.03	75	1310	0.452	ug/L	96
47) Tetrachloroethene	8.02	164	2234	1.295	ug/L	96
50) Dibromochloromethane	8.02	129	2077	1.147	ug/L #	10
59) 1,2,3-Trichloropropane	11.30	75	8426	5.671	ug/L #	86

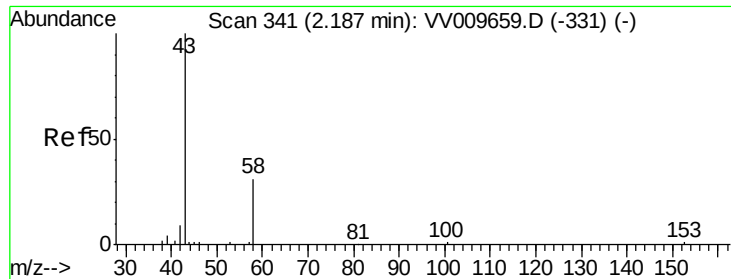
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 3.308 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV009664.D

Acq: 14 Mar 2019 14:34

Instrument :

MSVOA_V

ClientSampled :

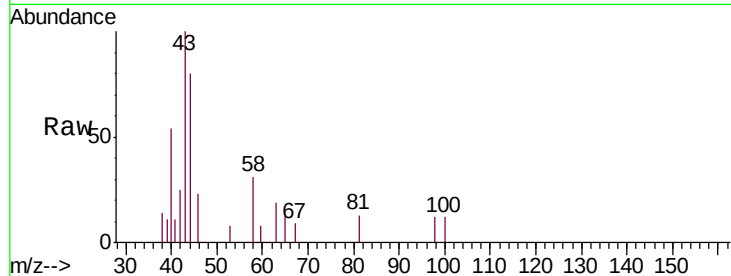
BF181

Tgt Ion: 43 Resp: 1908

Ion Ratio Lower Upper

43 100

58 24.1 0.0 64.8



Abundance Ion 43.00 (42.70 to 43.70): VV009659.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV009659.D (-331) (-)

2.19

1500

1000

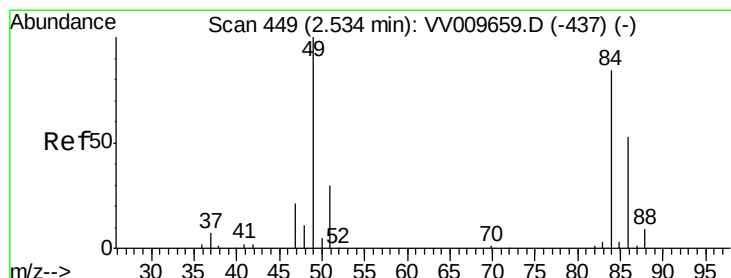
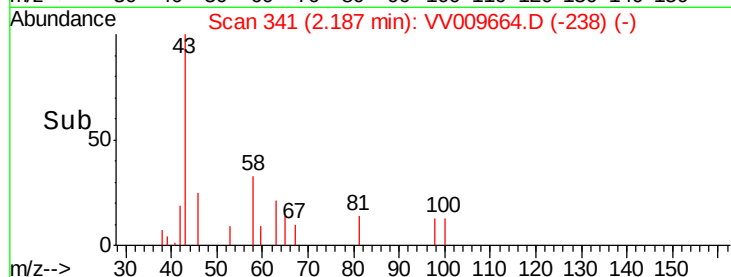
500

0

Time-->

2.15

2.20



#16

Methylene chloride

Concen: 1.838 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV009664.D

Acq: 14 Mar 2019 14:34

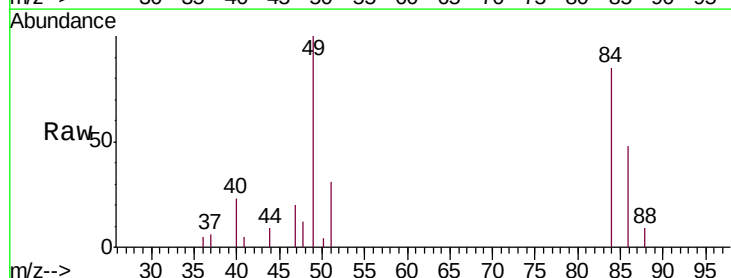
Tgt Ion: 84 Resp: 3822

Ion Ratio Lower Upper

84 100

49 117.7 86.1 159.9

86 56.9 45.2 84.0



Abundance Ion 84.00 (83.70 to 84.70): VV009659.D (-437) (-)

Ion 49.00 (48.70 to 49.70): VV009659.D (-437) (-)

Ion 86.00 (85.70 to 86.70): VV009659.D (-437) (-)

2.53

3000

2000

1000

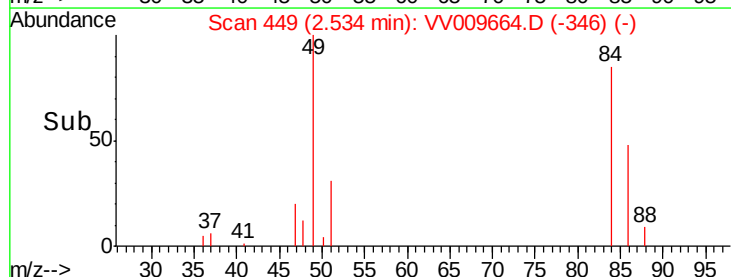
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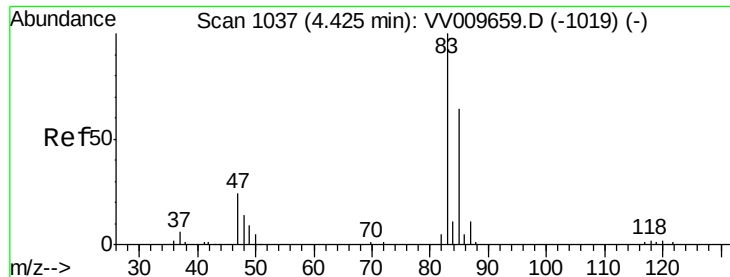
Time-->

2.50

2.55

2.60

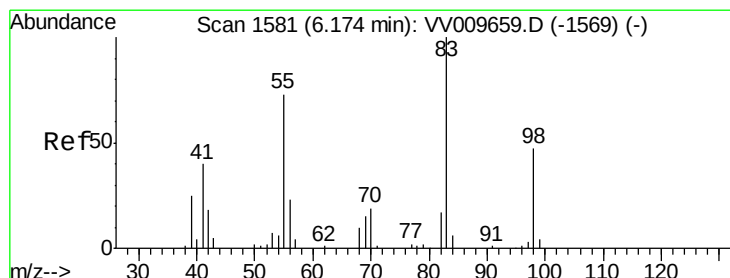
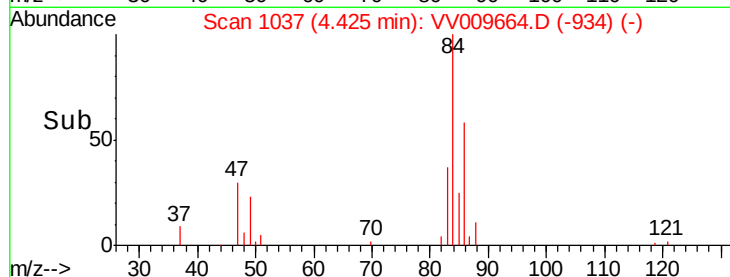
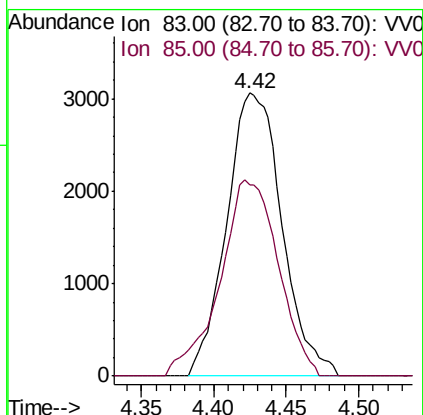
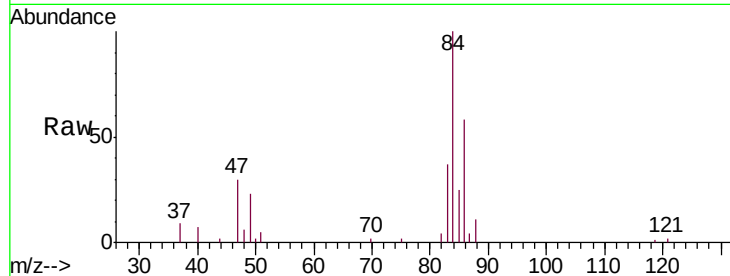




#25
Chloroform
Concen: 2.193 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV009664.D
Acq: 14 Mar 2019 14:34

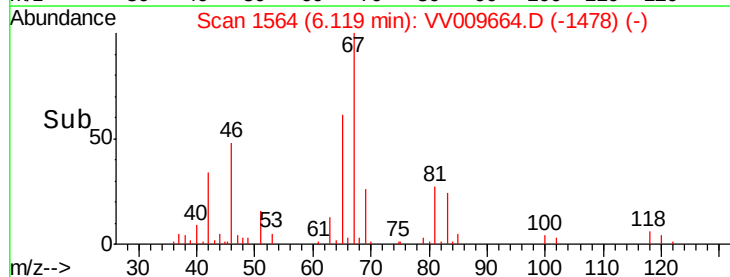
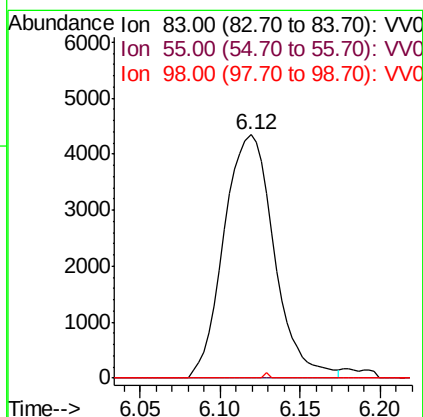
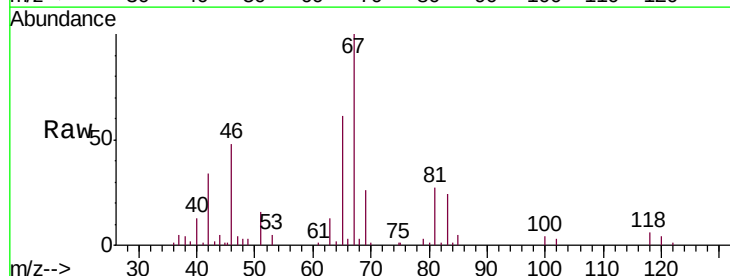
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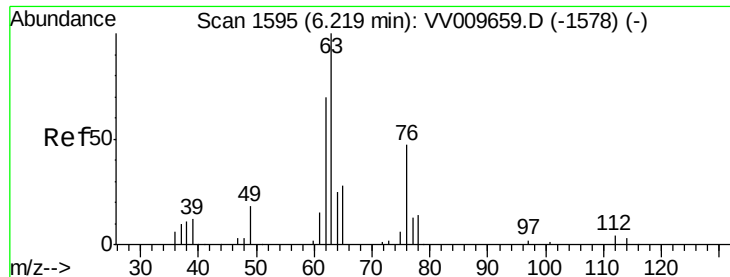
Tgt Ion: 83 Resp: 8142
Ion Ratio Lower Upper
83 100
85 72.6 46.4 86.2



#36
Methylcyclohexane
Concen: 2.581 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.05 min
Lab File: VV009664.D
Acq: 14 Mar 2019 14:34

Tgt Ion: 83 Resp: 9359
Ion Ratio Lower Upper
83 100
55 0.0 57.4 86.0#
98 0.0 37.1 55.7#

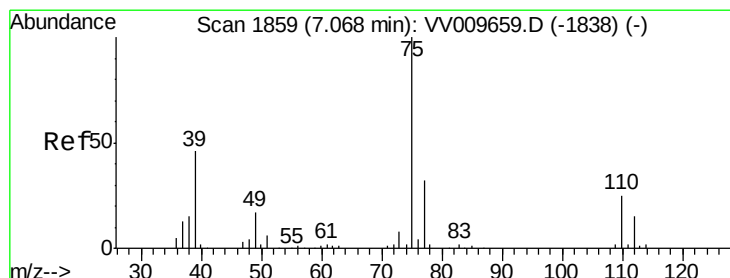
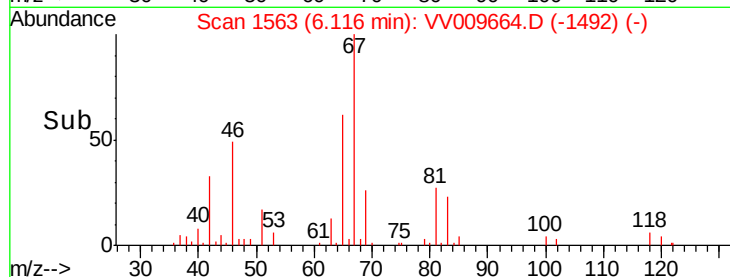
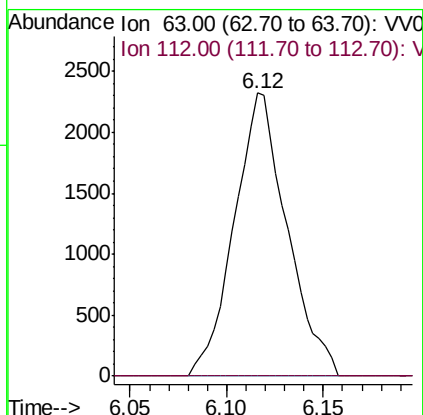
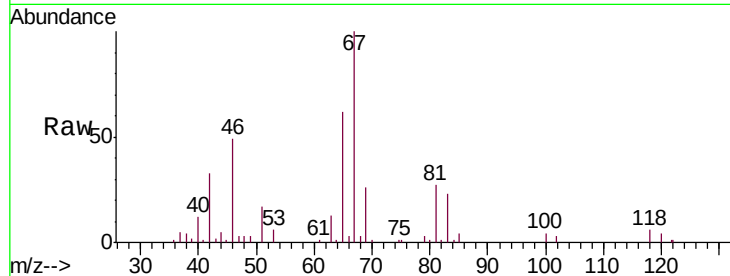




#40
 1,2-Dichloropropane
 Concen: 2.306 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV009664.D
 Acq: 14 Mar 2019 14:34

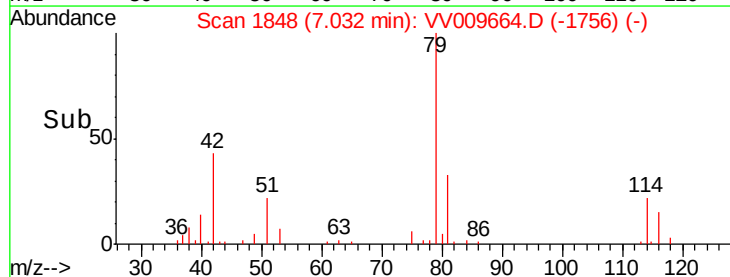
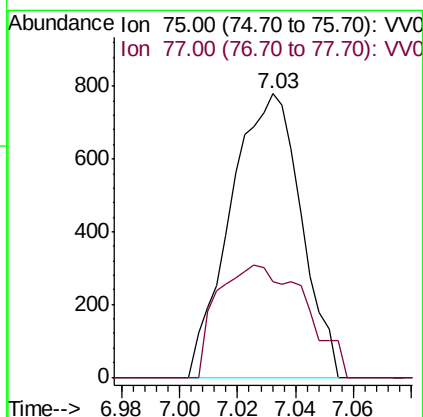
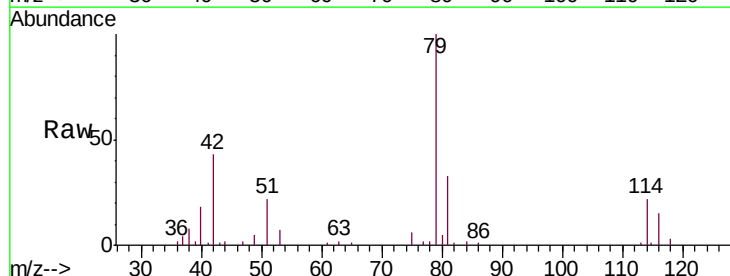
Instrument :
 MSVOA_V
 ClientSampled :
 BF181

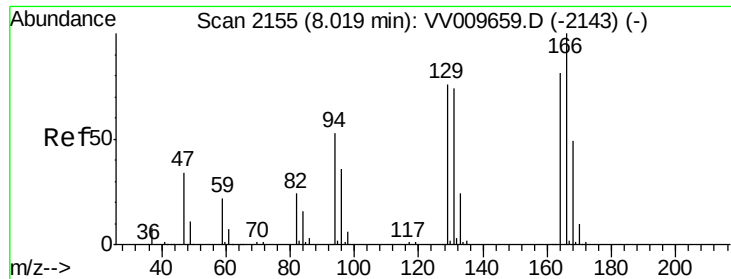
Tgt Ion: 63 Resp: 4406
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#42
 cis-1,3-Dichloropropene
 Concen: 0.452 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV009664.D
 Acq: 14 Mar 2019 14:34

Tgt Ion: 75 Resp: 1310
 Ion Ratio Lower Upper
 75 100
 77 33.6 22.0 40.8

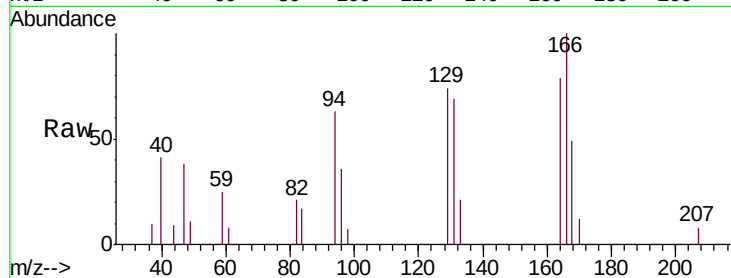




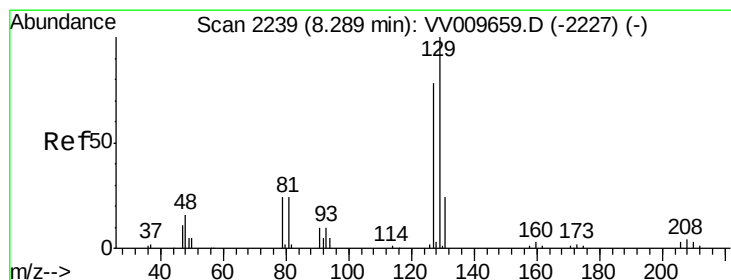
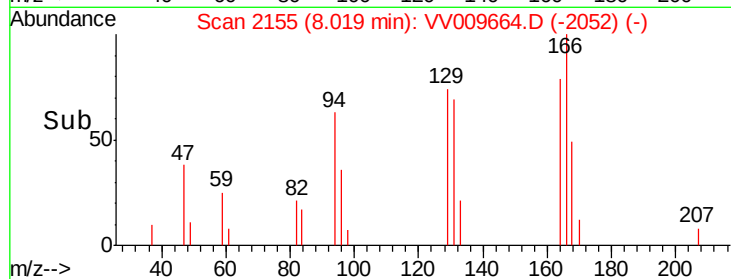
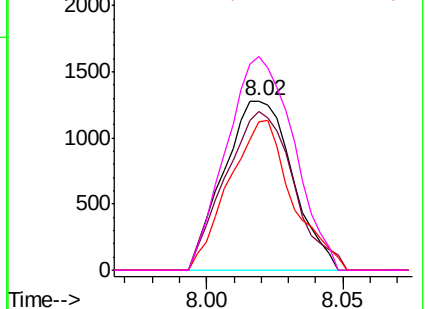
#47
Tetrachloroethene
Concen: 1.295 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. -0.00 min
Lab File: VV009664.D
Acq: 14 Mar 2019 14:34

Instrument :
MSVOA_V
ClientSampleId :
BF181

Tgt Ion:164 Resp: 2234
Ion Ratio Lower Upper
164 100
129 93.8 69.0 128.1
131 87.6 65.7 122.1
166 126.3 89.4 166.0

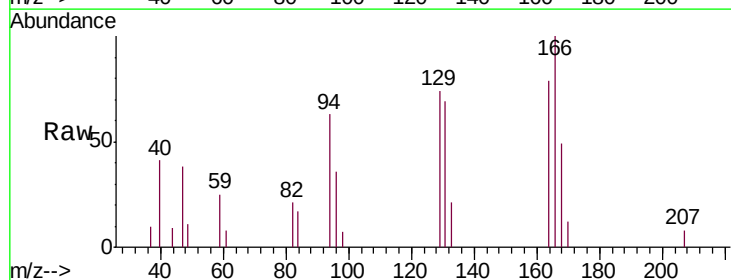


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

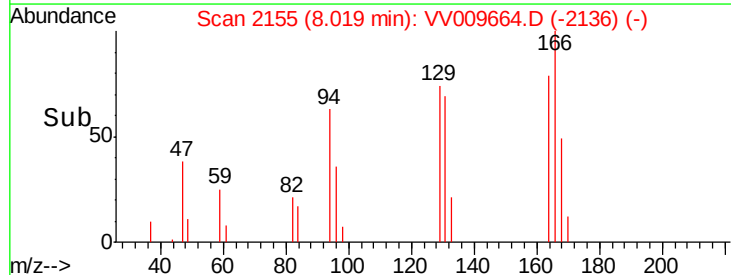
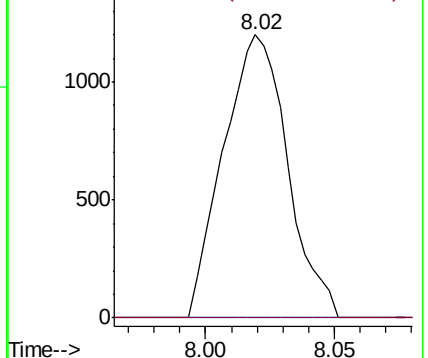


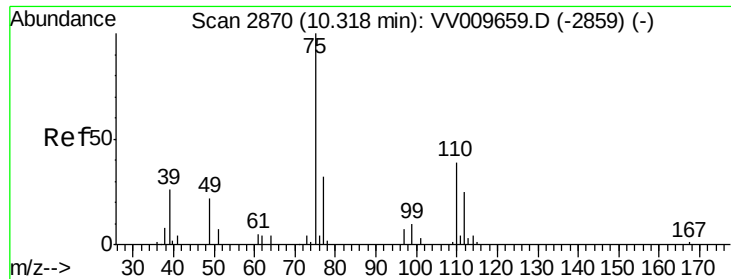
#50
Dibromochloromethane
Concen: 1.147 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. -0.27 min
Lab File: VV009664.D
Acq: 14 Mar 2019 14:34

Tgt Ion:129 Resp: 2077
Ion Ratio Lower Upper
129 100
127 0.0 55.4 102.8#



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





#59

1,2,3-Trichloropropane

Concen: 5.671 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV009664.D

Acq: 14 Mar 2019 14:34

Instrument :

MSVOA_V

ClientSampleId :

BF181

Tgt Ion: 75 Resp: 8426

Ion Ratio Lower Upper

75 100

77 39.3 25.3 37.9#

