

Data File : VV009060.D
Acq On : 19 Dec 2018 20:50
Operator : SY/MD
Sample : VV1219SBL02
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VBLK73

Quant Time: Dec 20 03:48:43 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	258326	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	224613	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	98817	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	60268	22.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.20%
7) Chloroethane-d5	1.58	69	63771	32.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	129.16%
10) 1,1-Dichloroethene-d2	2.13	63	118898	17.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.16%
20) 2-Butanone-d5	3.94	46	46430	47.71	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.42%
24) Chloroform-d	4.40	84	160013	25.77	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.08%
26) 1,2-Dichloroethane-d4	5.08	65	96377	28.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	113.76%
29) Benzene-d6	5.10	84	321381	25.62	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.48%
33) 1,2-Dichloropropane-d6	6.12	67	98031	27.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	111.64%
37) Toluene-d8	7.36	98	288352	24.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.36%
38) trans-1,3-Dichloropropene-	7.66	79	41047	26.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.40%
39) 2-Hexanone-d5	8.14	63	27733	43.10	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.20%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	71970	24.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.72%
61) 1,2-Dichlorobenzene-d4	11.68	152	95022	25.62	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.48%

Target Compounds

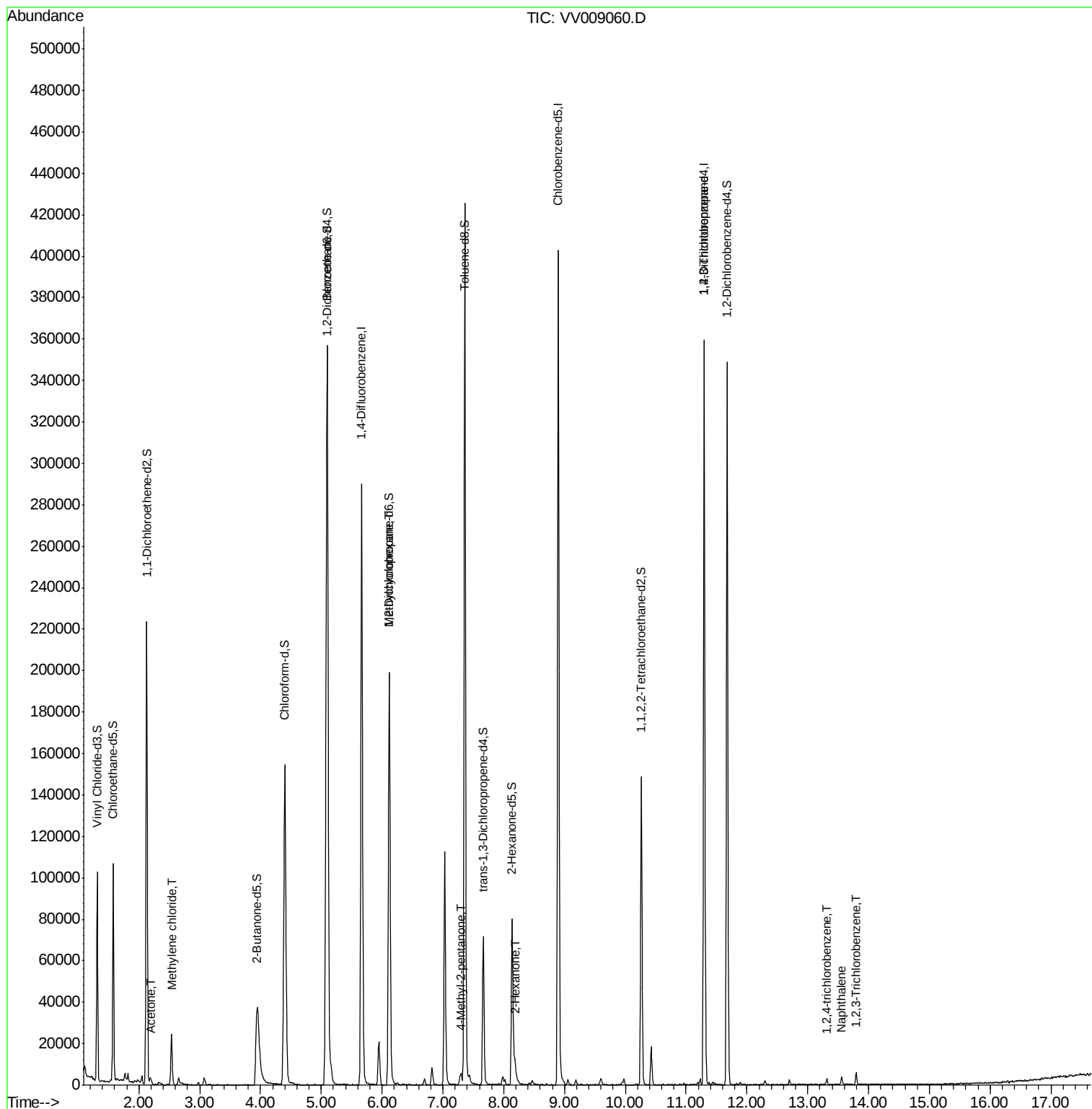
					Qvalue
13) Acetone	2.20	43	2192	1.529 ug/L	85
16) Methylene chloride	2.54	84	10118	2.326 ug/L	98
36) Methylcyclohexane	6.12	83	23837	3.684 ug/L #	21
43) 4-Methyl-2-pentanone	7.28	43	3193	1.463 ug/L #	89
49) 2-Hexanone	8.19	43	4789	2.652 ug/L #	91
59) 1,2,3-Trichloropropane	11.30	75	10792	4.287 ug/L	95
68) 1,2,4-trichlorobenzene	13.31	180	1073	0.333 ug/L	96
69) Naphthalene	13.56	128	3613	0.651 ug/L #	87
70) 1,2,3-Trichlorobenzene	13.80	180	1040	0.349 ug/L	97

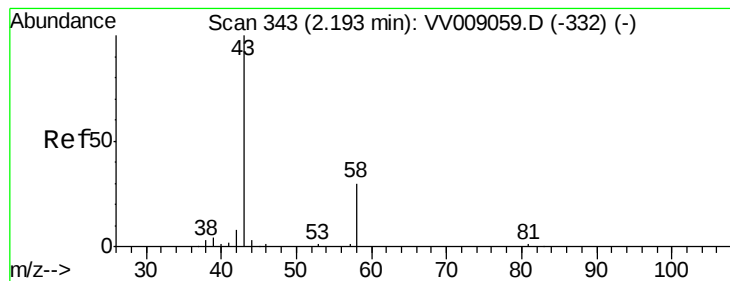
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.529 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.01 min

Lab File: VV009060.D

Acq: 19 Dec 2018 20:50

Instrument :

MSVOA_V

ClientSampled :

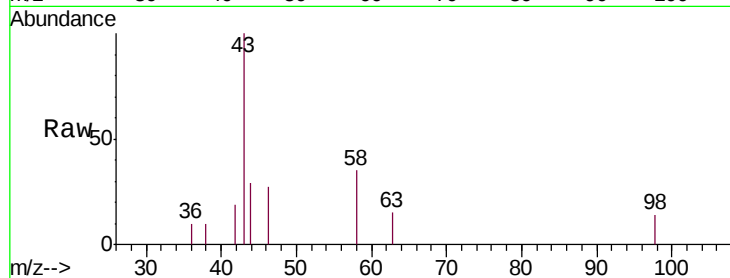
VBLK73

Tgt Ion: 43 Resp: 2192

Ion Ratio Lower Upper

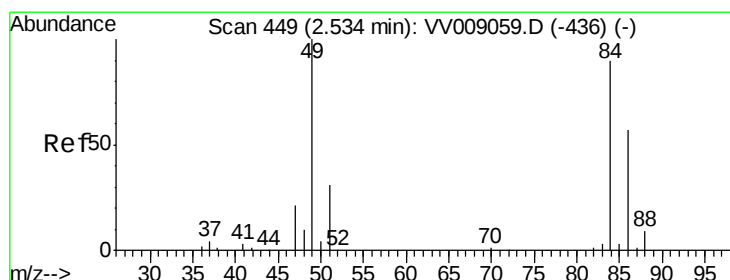
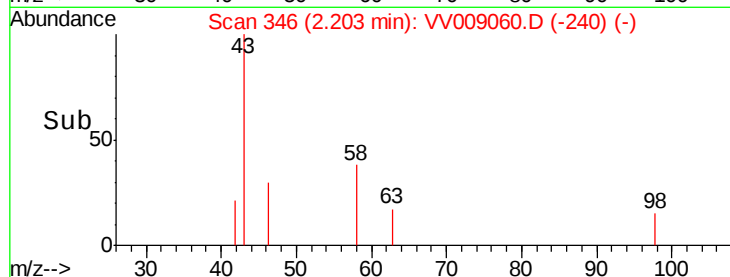
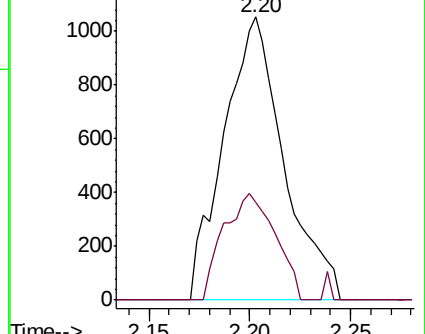
43 100

58 24.3 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VV009059.D (-332) (-)

Ion 58.00 (57.70 to 58.70): VV009059.D (-332) (-)



#16

Methylene chloride

Concen: 2.326 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV009060.D

Acq: 19 Dec 2018 20:50

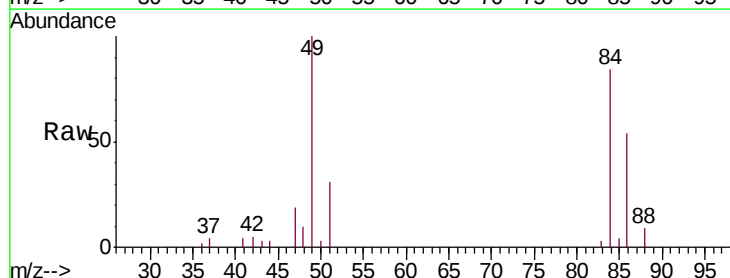
Tgt Ion: 84 Resp: 10118

Ion Ratio Lower Upper

84 100

49 118.5 80.5 149.5

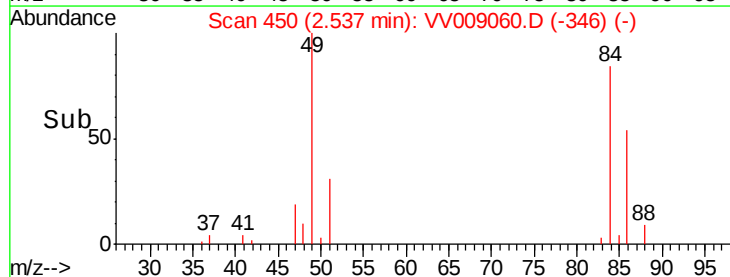
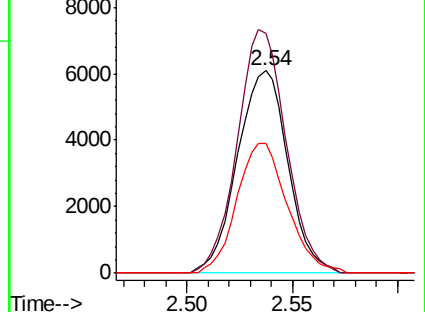
86 64.0 45.5 84.5

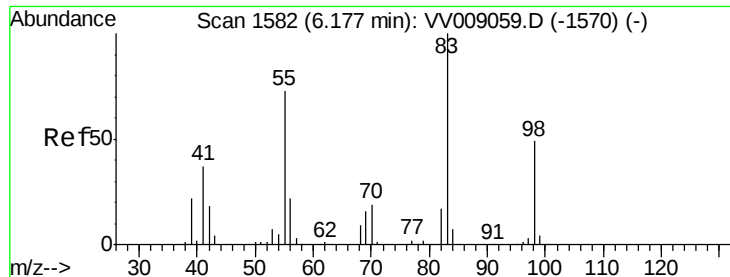


Abundance Ion 84.00 (83.70 to 84.70): VV009059.D (-436) (-)

Ion 49.00 (48.70 to 49.70): VV009059.D (-436) (-)

Ion 86.00 (85.70 to 86.70): VV009059.D (-436) (-)

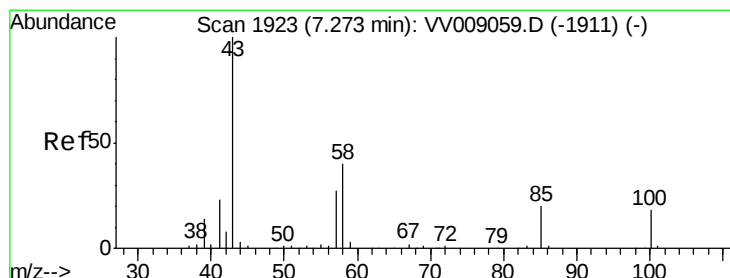
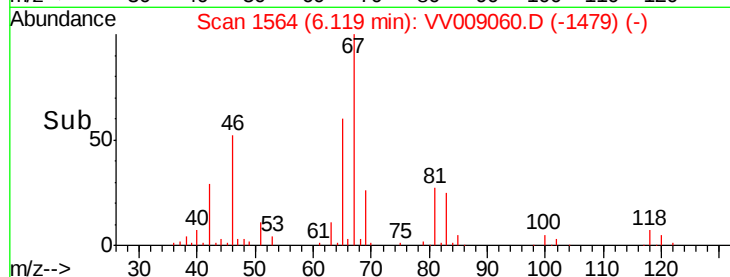
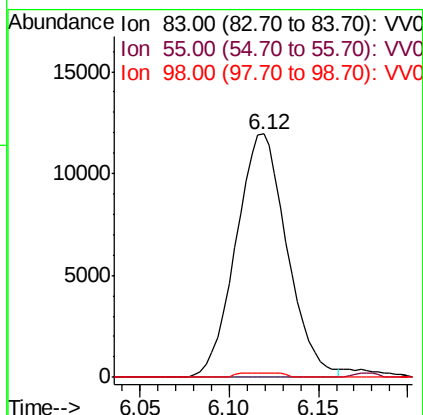
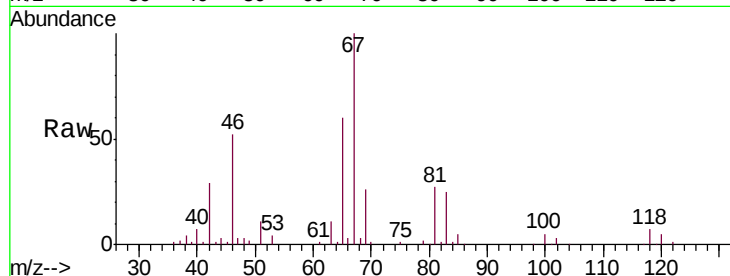




#36
Methylcyclohexane
Concen: 3.684 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.06 min
Lab File: VV009060.D
Acq: 19 Dec 2018 20:50

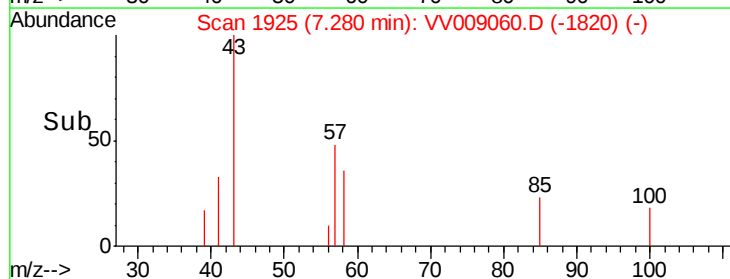
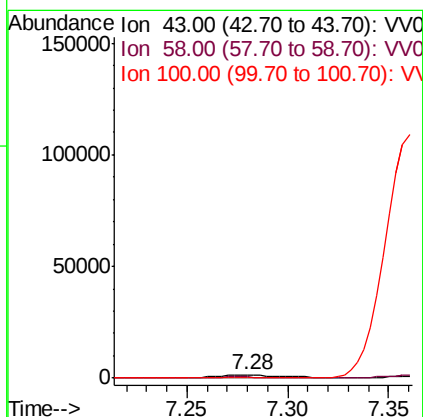
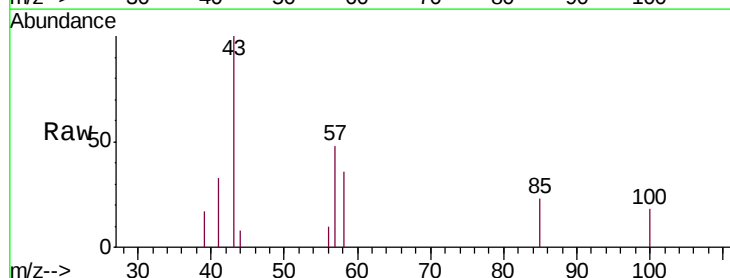
Instrument :
MSVOA_V
ClientSampleId :
VBLK73

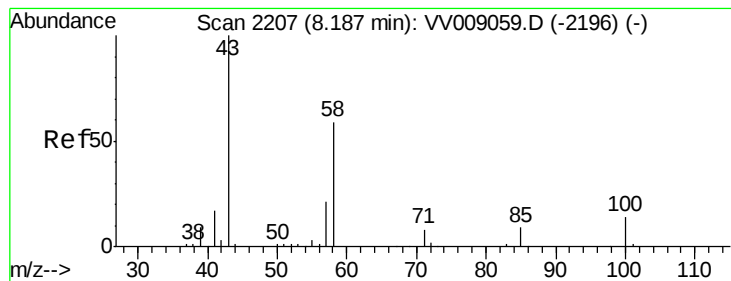
Tgt Ion: 83 Resp: 23837
Ion Ratio Lower Upper
83 100
55 0.8 58.2 87.2#
98 0.7 37.8 56.8#



#43
4-Methyl-2-pentanone
Concen: 1.463 ug/L
RT: 7.28 min Scan# 1925
Delta R.T. 0.01 min
Lab File: VV009060.D
Acq: 19 Dec 2018 20:50

Tgt Ion: 43 Resp: 3193
Ion Ratio Lower Upper
43 100
58 35.5 32.2 48.4
100 8.9 13.8 20.8#





#49

2-Hexanone

Concen: 2.652 ug/L

RT: 8.19 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VV009060.D

Acq: 19 Dec 2018 20:50

Instrument :

MSVOA_V

ClientSampleId :

VBLK73

Tgt Ion: 43 Resp: 4789

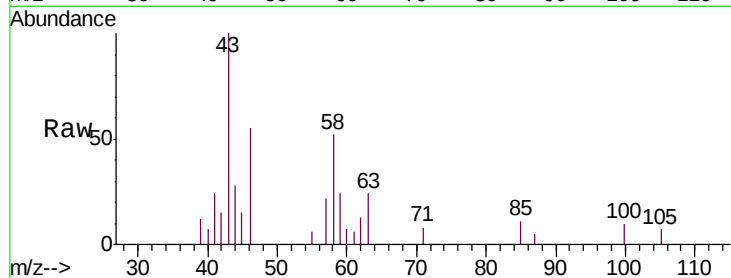
Ion Ratio Lower Upper

43 100

58 58.2 43.9 65.9

57 8.6 15.7 23.5#

100 12.1 11.0 16.4

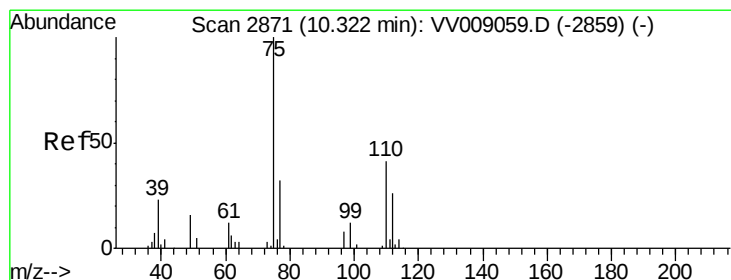
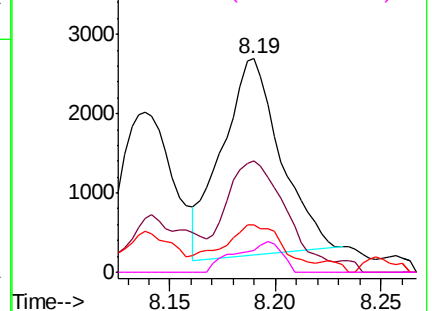
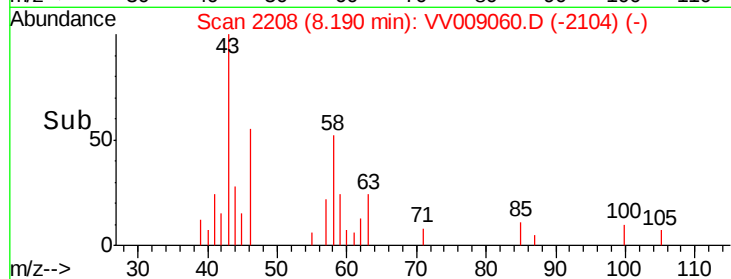


Abundance Ion 43.00 (42.70 to 43.70): VV009059.D (-2196) (-)

Ion 58.00 (57.70 to 58.70): VV009059.D (-2196) (-)

Ion 57.00 (56.70 to 57.70): VV009059.D (-2196) (-)

Ion 100.00 (99.70 to 100.70): VV009059.D (-2196) (-)



#59

1,2,3-Trichloropropane

Concen: 4.287 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.97 min

Lab File: VV009060.D

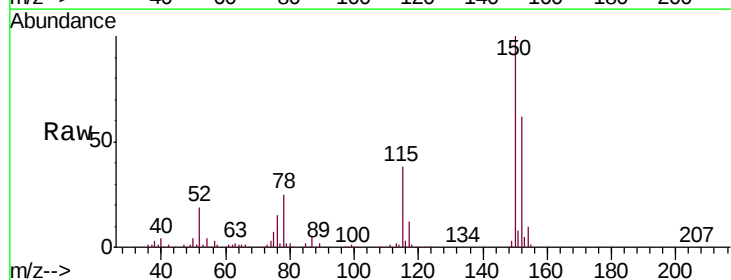
Acq: 19 Dec 2018 20:50

Tgt Ion: 75 Resp: 10792

Ion Ratio Lower Upper

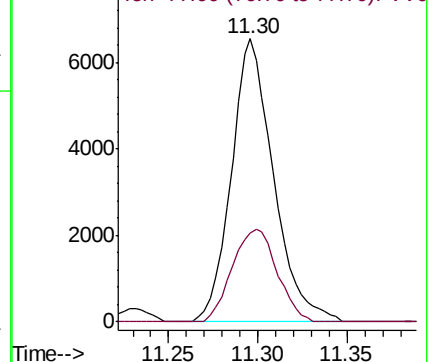
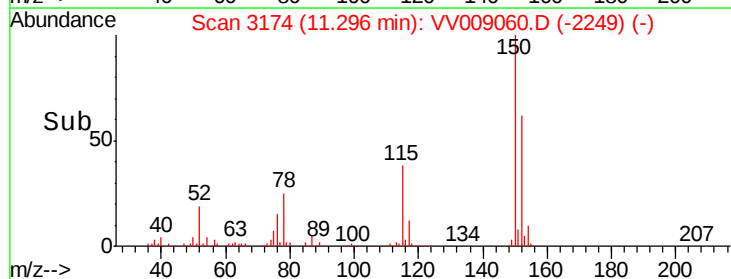
75 100

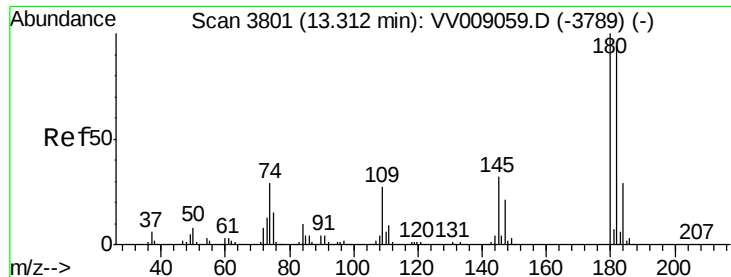
77 34.7 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VV009059.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV009059.D (-2859) (-)

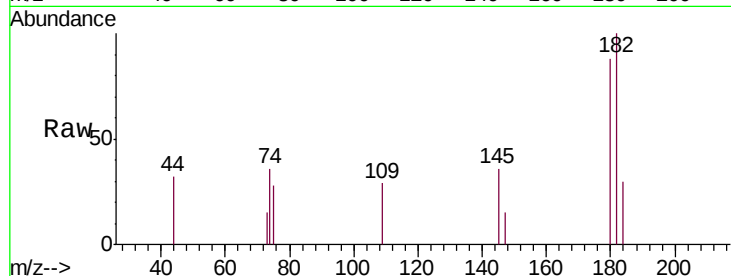




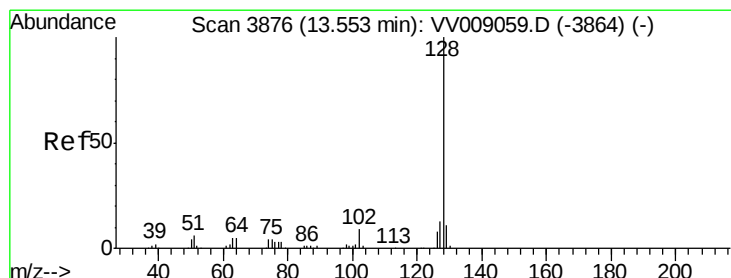
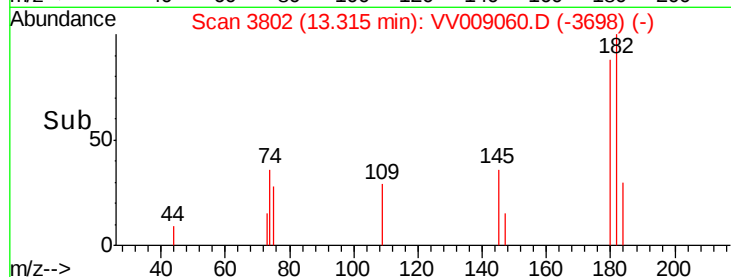
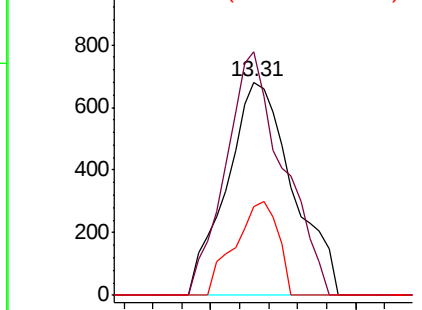
#68
 1,2,4-trichlorobenzene
 Concen: 0.333 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV009060.D
 Acq: 19 Dec 2018 20:50

Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK73

Tgt Ion:180 Resp: 1073
 Ion Ratio Lower Upper
 180 100
 182 99.7 77.4 116.0
 145 28.8 25.6 38.4

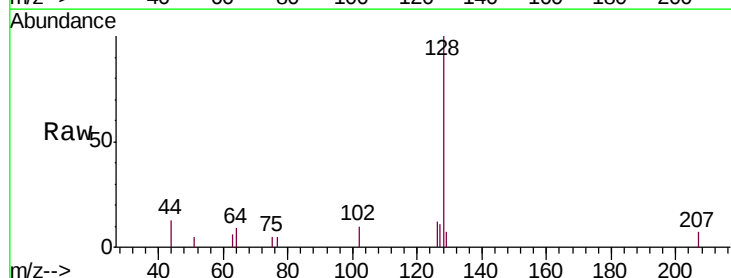


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

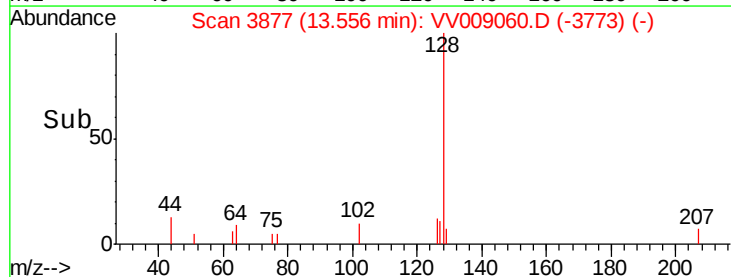
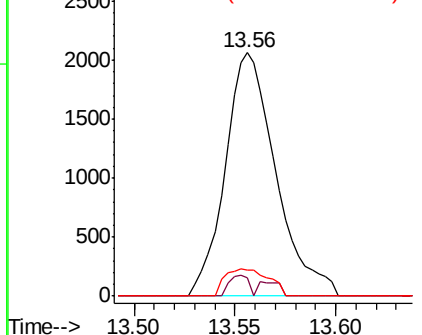


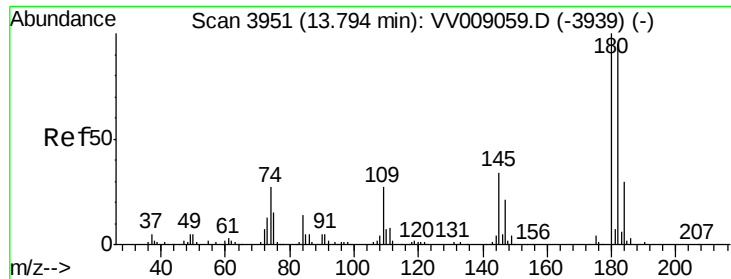
#69
 Naphthalene
 Concen: 0.651 ug/L
 RT: 13.56 min Scan# 3877
 Delta R.T. 0.00 min
 Lab File: VV009060.D
 Acq: 19 Dec 2018 20:50

Tgt Ion:128 Resp: 3613
 Ion Ratio Lower Upper
 128 100
 129 3.2 8.6 13.0#
 127 9.7 10.0 15.0#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 0.349 ug/L
 RT: 13.80 min Scan# 3954
 Delta R.T. 0.01 min
 Lab File: VV009060.D
 Acq: 19 Dec 2018 20:50

Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK73

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	76.1	114.1
145	30.4	26.7	40.1

