

Data File : VV009079.D
Acq On : 20 Dec 2018 12:33
Operator : SY/MD
Sample : VV1220SBL01
Misc : 5.00 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VBLK74

Quant Time: Dec 21 00:28:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 21 00:25:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	257497	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	223267	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	97013	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	57143	21.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.80%
7) Chloroethane-d5	1.58	69	61164	31.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	124.28%
10) 1,1-Dichloroethene-d2	2.13	63	113539	17.04	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	68.16%
20) 2-Butanone-d5	3.94	46	33234	34.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	68.52%
24) Chloroform-d	4.40	84	151042	24.40	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.08	65	85039	25.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.68%
29) Benzene-d6	5.10	84	300333	24.08	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.32%
33) 1,2-Dichloropropane-d6	6.12	67	89058	25.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.04%
37) Toluene-d8	7.36	98	272557	23.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.48%
38) trans-1,3-Dichloropropene-	7.67	79	35714	23.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.12%
39) 2-Hexanone-d5	8.14	63	20395	31.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	63.78%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	56346	19.24	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	76.96%
61) 1,2-Dichlorobenzene-d4	11.68	152	88425	24.29	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.16%

Target Compounds

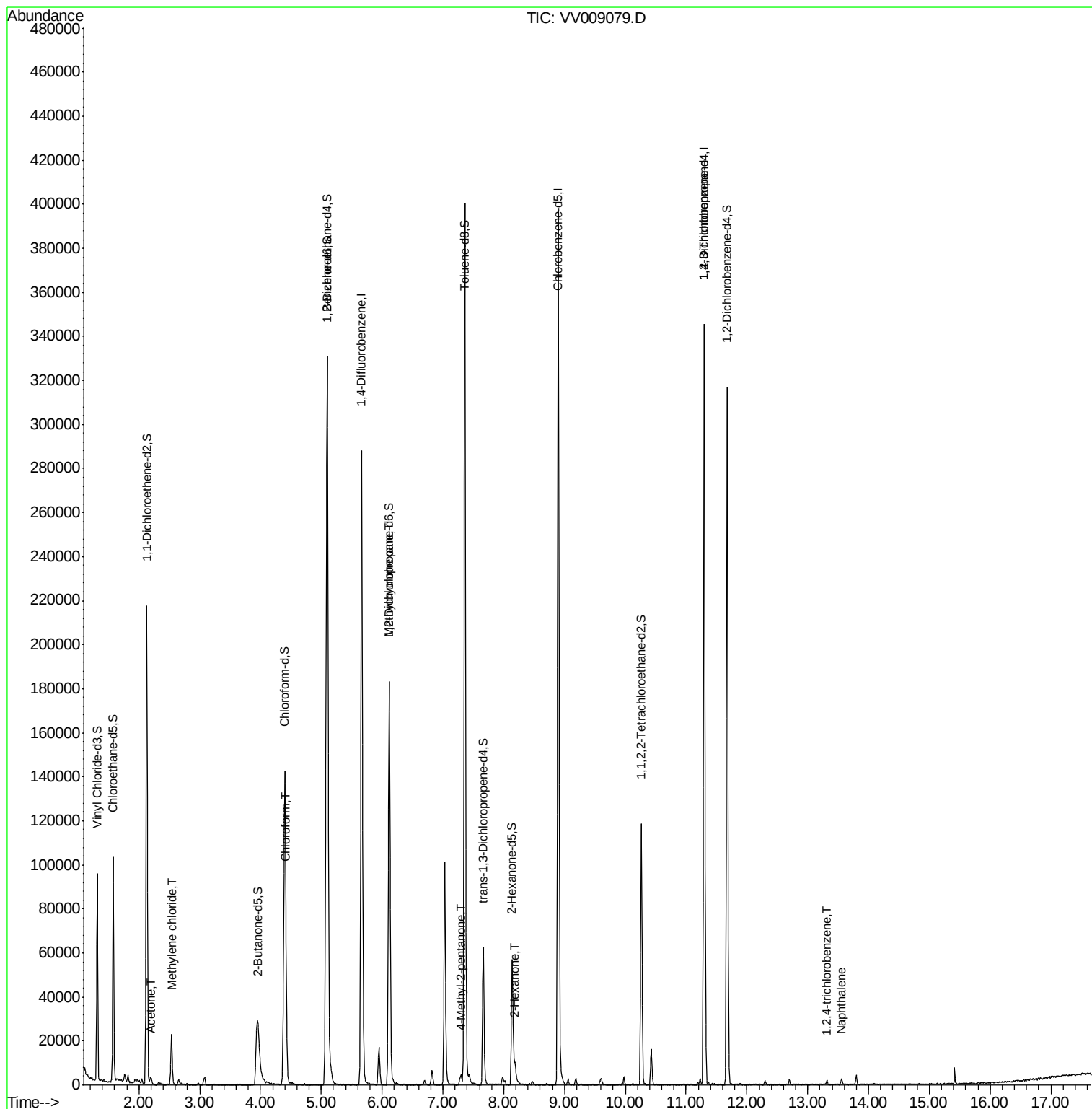
					Qvalue
13) Acetone	2.21	43	2734	1.913 ug/L	82
16) Methylene chloride	2.54	84	10098	2.329 ug/L	94
25) Chloroform	4.43	83	3902	0.625 ug/L #	62
36) Methylcyclohexane	6.12	83	22073	3.432 ug/L #	21
43) 4-Methyl-2-pentanone	7.28	43	2743	1.264 ug/L #	95
49) 2-Hexanone	8.19	43	4462	2.486 ug/L #	85
59) 1,2,3-Trichloropropane	11.30	75	10854	4.338 ug/L	92
68) 1,2,4-trichlorobenzene	13.32	180	1195	0.378 ug/L #	77
69) Naphthalene	13.56	128	3154	0.579 ug/L #	91

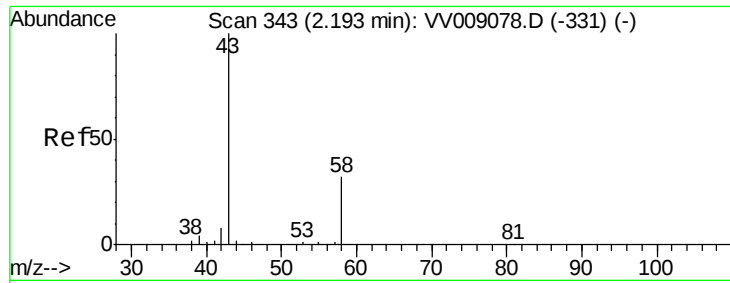
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.913 ug/L

RT: 2.21 min Scan# 347

Delta R.T. 0.01 min

Lab File: VV009079.D

Acq: 20 Dec 2018 12:33

Instrument :

MSVOA_V

ClientSampleId :

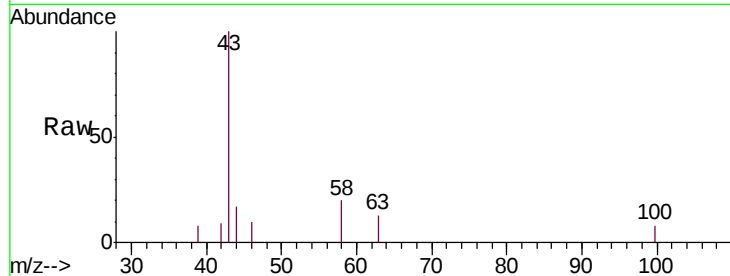
VBLK74

Tgt Ion: 43 Resp: 2734

Ion Ratio Lower Upper

43 100

58 22.4 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VV009078.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV009078.D (-331) (-)

2.21

1500

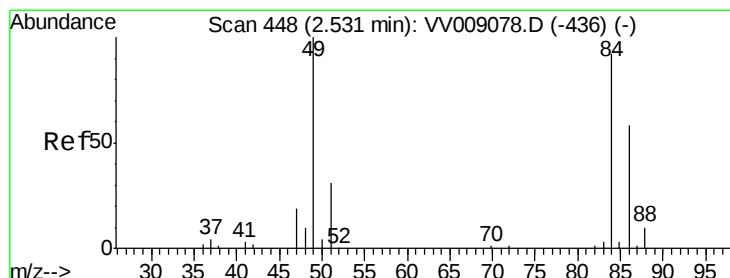
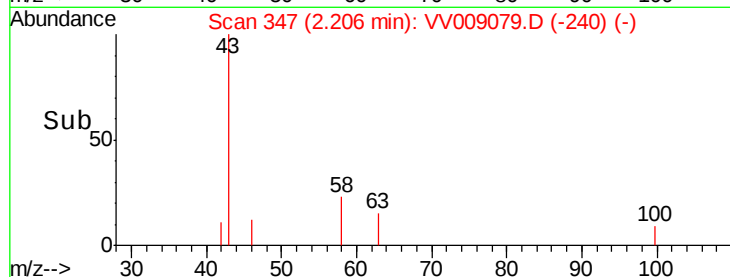
1000

500

0

2.15 2.20 2.25

Time-->



#16

Methylene chloride

Concen: 2.329 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.01 min

Lab File: VV009079.D

Acq: 20 Dec 2018 12:33

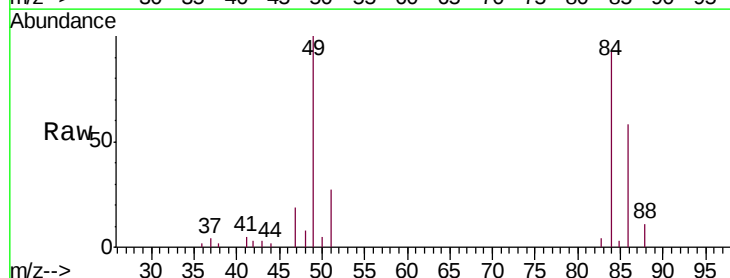
Tgt Ion: 84 Resp: 10098

Ion Ratio Lower Upper

84 100

49 107.3 80.5 149.5

86 62.0 45.5 84.5



Abundance Ion 84.00 (83.70 to 84.70): VV009078.D (-436) (-)

Ion 49.00 (48.70 to 49.70): VV009078.D (-436) (-)

Ion 86.00 (85.70 to 86.70): VV009078.D (-436) (-)

2.54

8000

6000

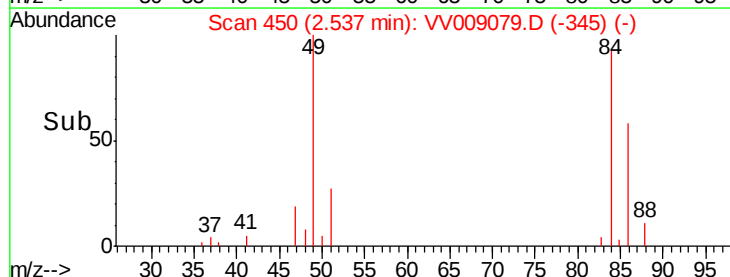
4000

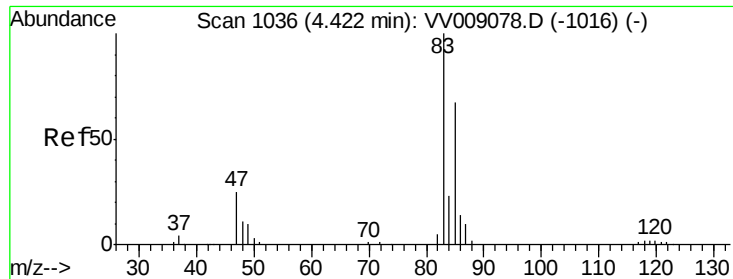
2000

0

2.50 2.55 2.60

Time-->

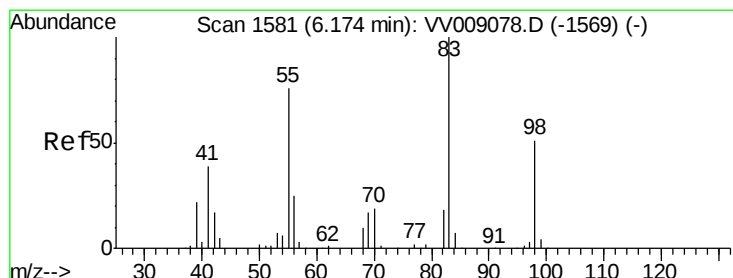
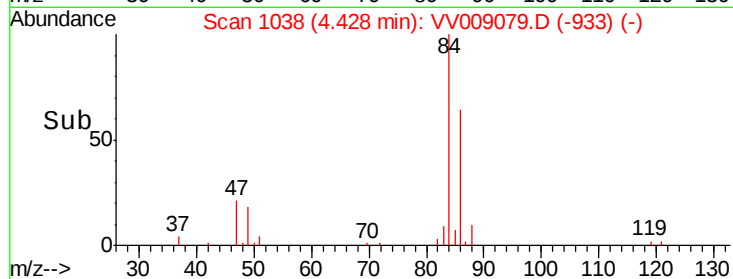
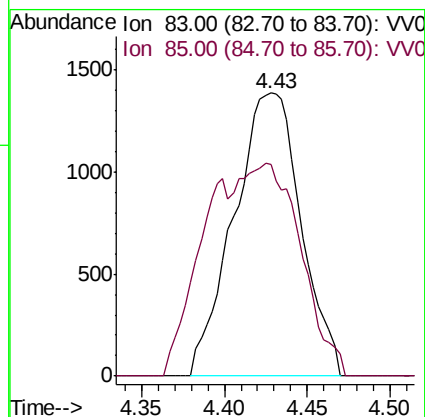
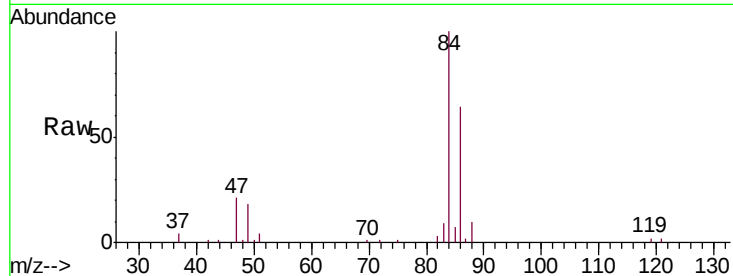




#25
 Chloroform
 Concen: 0.625 ug/L
 RT: 4.43 min Scan# 1038
 Delta R.T. 0.01 min
 Lab File: VV009079.D
 Acq: 20 Dec 2018 12:33

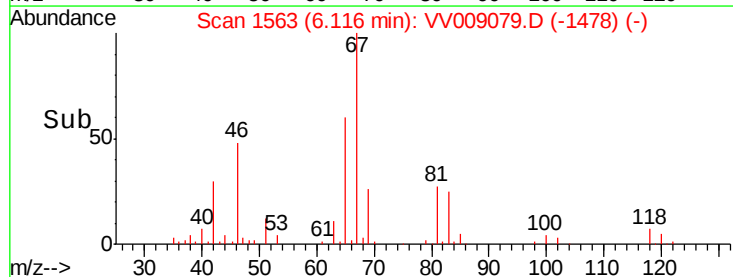
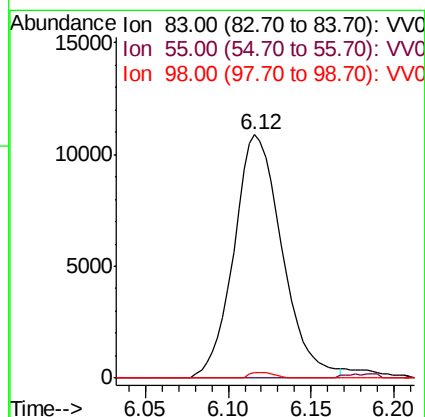
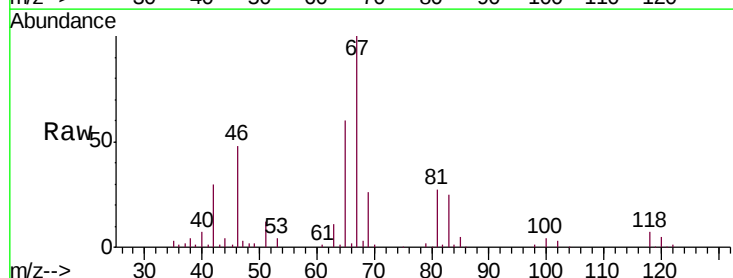
Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK74

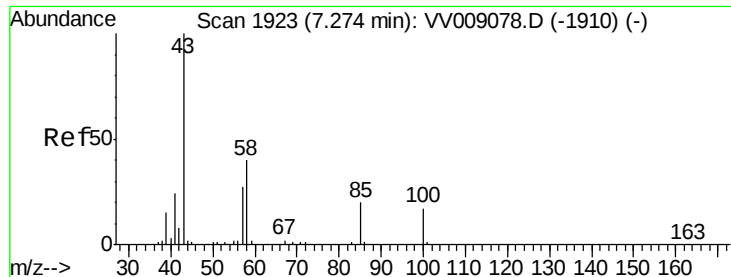
Tgt Ion: 83 Resp: 3902
 Ion Ratio Lower Upper
 83 100
 85 34.8 45.6 84.8#



#36
 Methylcyclohexane
 Concen: 3.432 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.06 min
 Lab File: VV009079.D
 Acq: 20 Dec 2018 12:33

Tgt Ion: 83 Resp: 22073
 Ion Ratio Lower Upper
 83 100
 55 1.1 58.2 87.2#
 98 1.1 37.8 56.8#

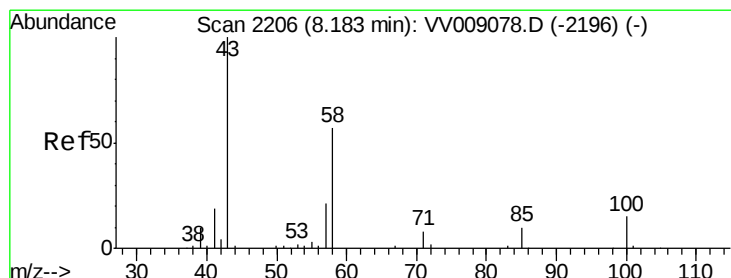
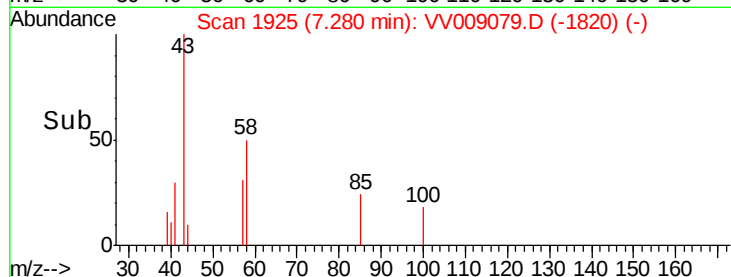
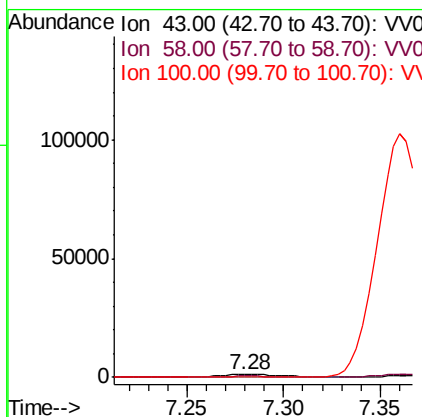
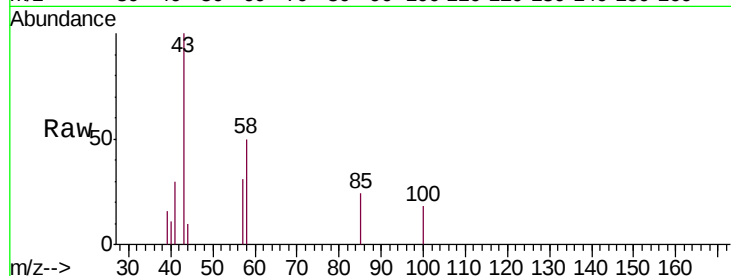




#43
4-Methyl-2-pentanone
Concen: 1.264 ug/L
RT: 7.28 min Scan# 1925
Delta R.T. 0.01 min
Lab File: VV009079.D
Acq: 20 Dec 2018 12:33

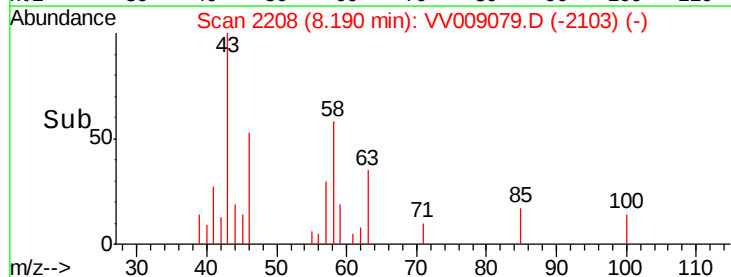
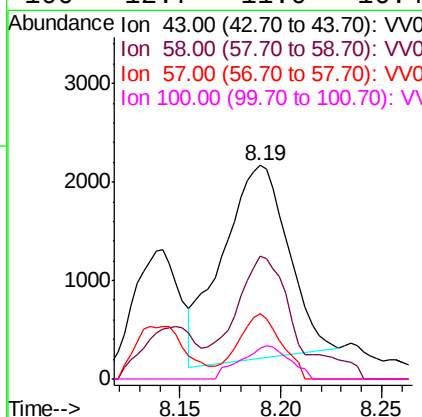
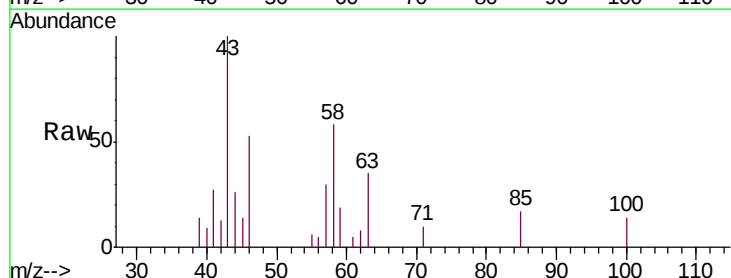
Instrument :
MSVOA_V
ClientSampleId :
VBLK74

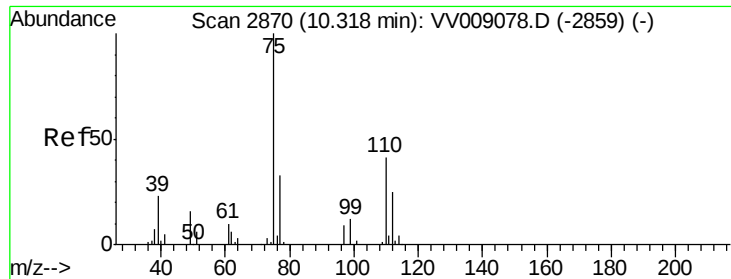
Tgt Ion: 43 Resp: 2743
Ion Ratio Lower Upper
43 100
58 41.2 32.2 48.4
100 11.0 13.8 20.8#



#49
2-Hexanone
Concen: 2.486 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.01 min
Lab File: VV009079.D
Acq: 20 Dec 2018 12:33

Tgt Ion: 43 Resp: 4462
Ion Ratio Lower Upper
43 100
58 39.9 43.9 65.9#
57 22.3 15.7 23.5
100 12.7 11.0 16.4





#59

1,2,3-Trichloropropane

Concen: 4.338 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV009079.D

Acq: 20 Dec 2018 12:33

Instrument :

MSVOA_V

ClientSampleId :

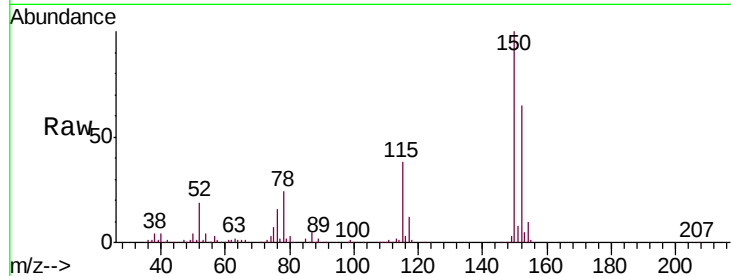
VBLK74

Tgt Ion: 75 Resp: 10854

Ion Ratio Lower Upper

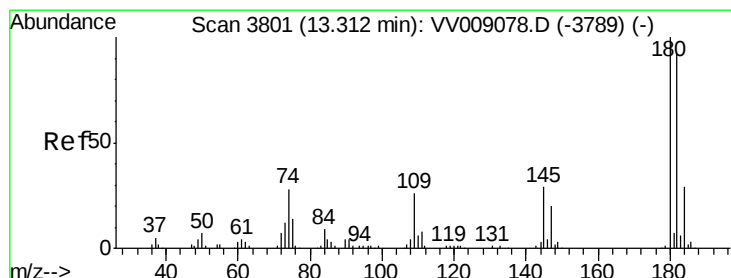
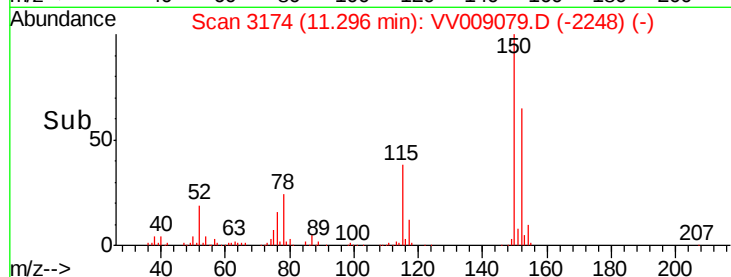
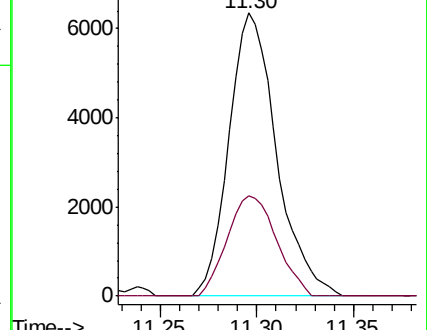
75 100

77 36.7 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VV009078.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV009078.D (-2859) (-)



#68

1,2,4-trichlorobenzene

Concen: 0.378 ug/L

RT: 13.32 min Scan# 3803

Delta R.T. 0.01 min

Lab File: VV009079.D

Acq: 20 Dec 2018 12:33

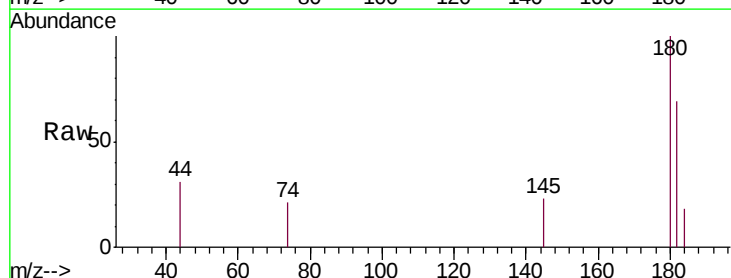
Tgt Ion: 180 Resp: 1195

Ion Ratio Lower Upper

180 100

182 77.4 77.4 116.0

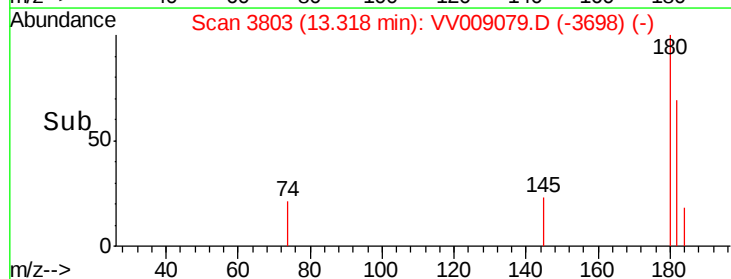
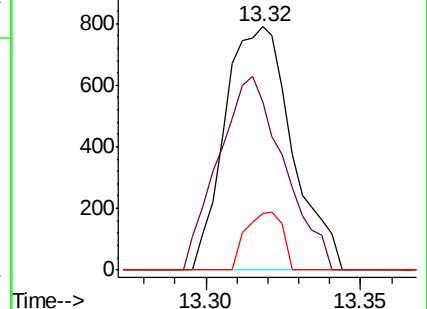
145 12.9 25.6 38.4#

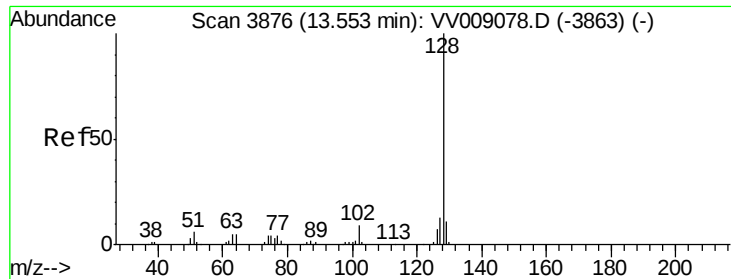


Abundance Ion 180.00 (179.70 to 180.70): VV009078.D (-3789) (-)

Ion 182.00 (181.70 to 182.70): VV009078.D (-3789) (-)

Ion 145.00 (144.70 to 145.70): VV009078.D (-3789) (-)





#69

Naphthalene

Concen: 0.579 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV009079.D

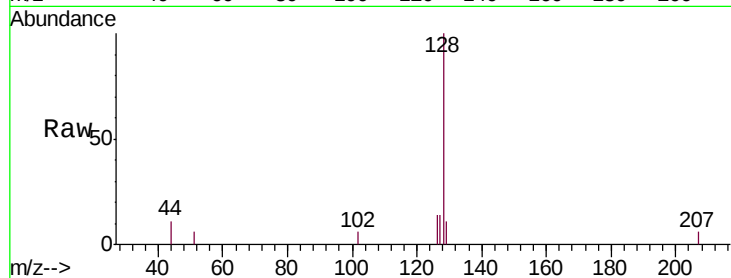
Acq: 20 Dec 2018 12:33

Instrument :

MSVOA_V

ClientSampleId :

VBLK74



Tgt Ion:128 Resp: 3154

Ion Ratio Lower Upper

128 100

129 6.5 8.6 13.0#

127 10.0 10.0 15.0

