

Data File : VV009027.D
Acq On : 18 Dec 2018 22:11
Operator : SY/MD
Sample : VV1218SBL02
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VBLK71

Quant Time: Dec 19 07:24:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 19 07:18:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	222150	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	193405	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	78700	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	53511	23.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.12%
7) Chloroethane-d5	1.58	69	46613	27.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.80%
10) 1,1-Dichloroethene-d2	2.13	63	103085	17.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.76%
20) 2-Butanone-d5	3.94	46	49407	59.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	118.06%
24) Chloroform-d	4.40	84	124143	23.25	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.00%
26) 1,2-Dichloroethane-d4	5.08	65	74937	25.71	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.84%
29) Benzene-d6	5.10	84	257540	23.84	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.36%
33) 1,2-Dichloropropane-d6	6.12	67	75132	24.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.36%
37) Toluene-d8	7.36	98	234676	23.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.92%
38) trans-1,3-Dichloropropene-	7.67	79	32424	24.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.60%
39) 2-Hexanone-d5	8.14	63	27851	50.27	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.54%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	59006	23.26	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.04%
61) 1,2-Dichlorobenzene-d4	11.68	152	71798	24.31	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.24%

Target Compounds

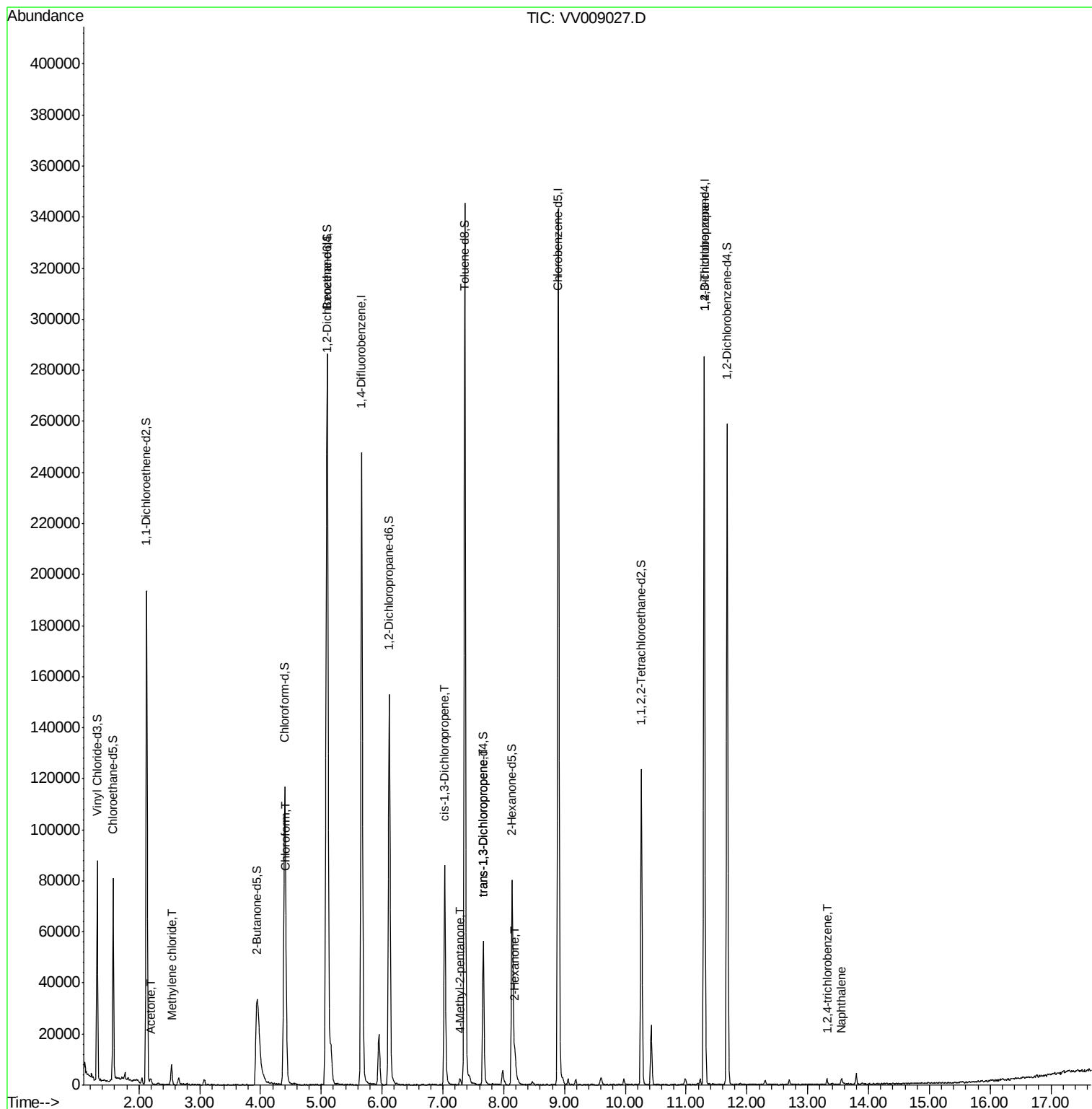
					Qvalue
13) Acetone	2.20	43	1293	1.049 ug/L	58
16) Methylene chloride	2.54	84	3445	0.921 ug/L	98
25) Chloroform	4.43	83	3740	0.695 ug/L	83
42) cis-1,3-Dichloropropene	7.03	75	2368	0.582 ug/L #	57
43) 4-Methyl-2-pentanone	7.28	43	1917	1.020 ug/L #	94
45) trans-1,3-Dichloropropene	7.66	75	1821	0.513 ug/L	86
49) 2-Hexanone	8.18	43	6994	4.498 ug/L #	82
59) 1,2,3-Trichloropropane	11.30	75	8884	4.099 ug/L	89
68) 1,2,4-trichlorobenzene	13.31	180	874	0.341 ug/L #	94
69) Naphthalene	13.56	128	2545	0.576 ug/L #	95

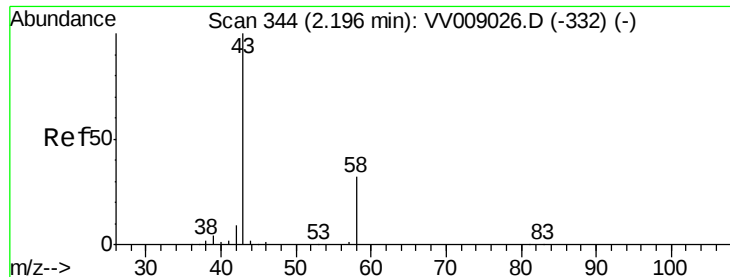
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.049 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.00 min

Lab File: VV009027.D

Acq: 18 Dec 2018 22:11

Instrument :

MSVOA_V

ClientSampled :

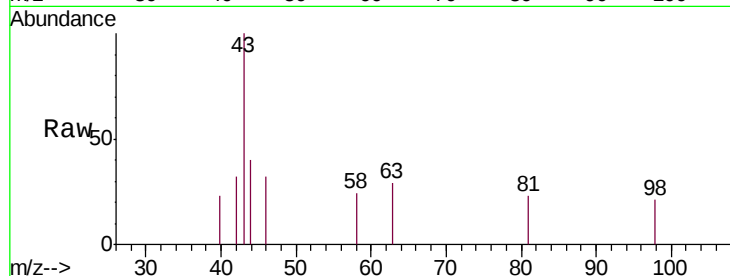
VBLK71

Tgt Ion: 43 Resp: 1293

Ion Ratio Lower Upper

43 100

58 9.0 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VV009026.D (-332) (-)

Ion 58.00 (57.70 to 58.70): VV009026.D (-332) (-)

2.20

600

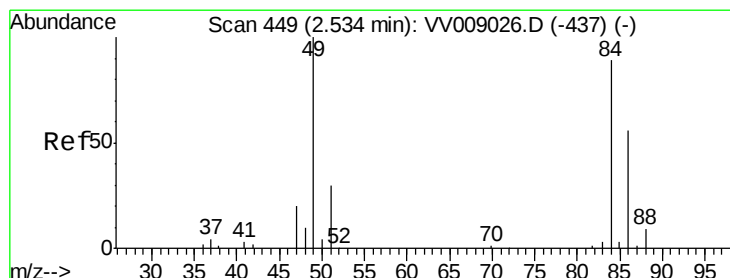
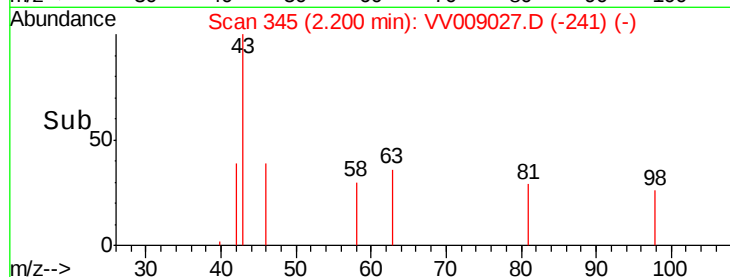
400

200

0

2.16 2.18 2.20 2.22 2.24

Time-->



#16

Methylene chloride

Concen: 0.921 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV009027.D

Acq: 18 Dec 2018 22:11

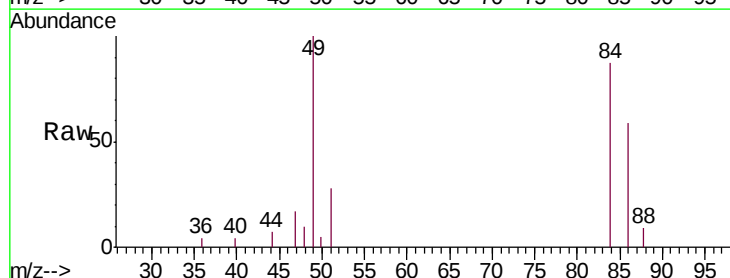
Tgt Ion: 84 Resp: 3445

Ion Ratio Lower Upper

84 100

49 115.5 80.5 149.5

86 68.7 45.5 84.5



Abundance Ion 84.00 (83.70 to 84.70): VV009026.D (-437) (-)

Ion 49.00 (48.70 to 49.70): VV009026.D (-437) (-)

Ion 86.00 (85.70 to 86.70): VV009026.D (-437) (-)

3000

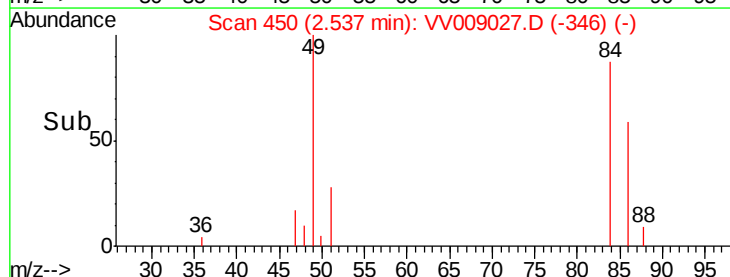
2000

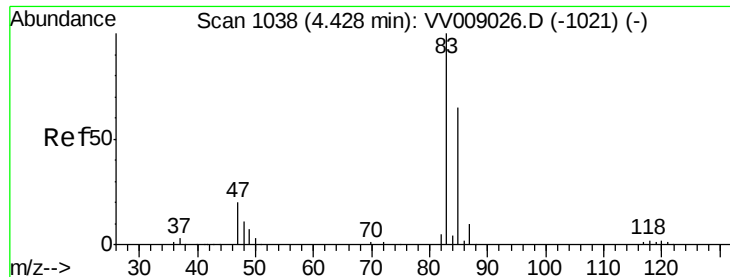
1000

0

2.50 2.54 2.58

Time-->

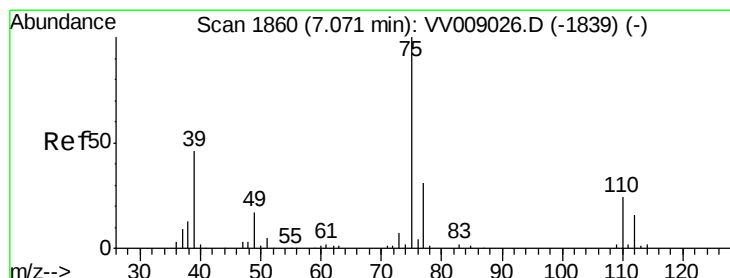
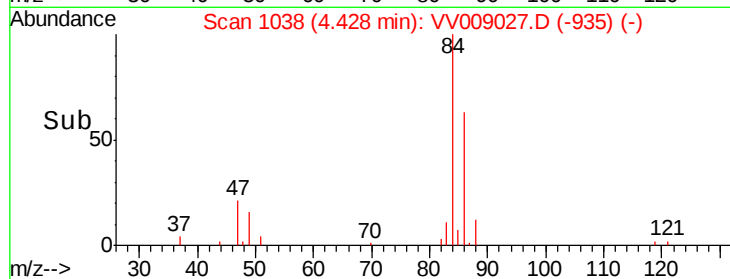
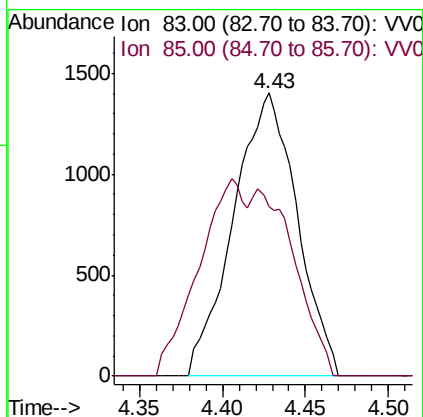
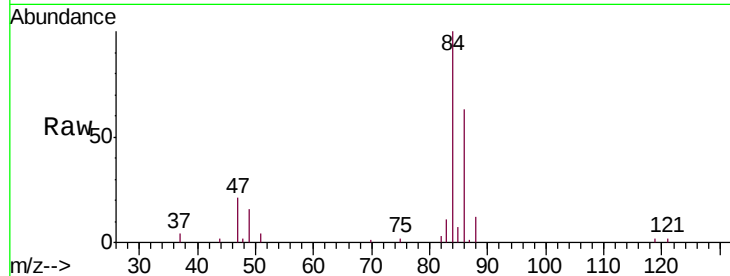




#25
Chloroform
Concen: 0.695 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV009027.D
Acq: 18 Dec 2018 22:11

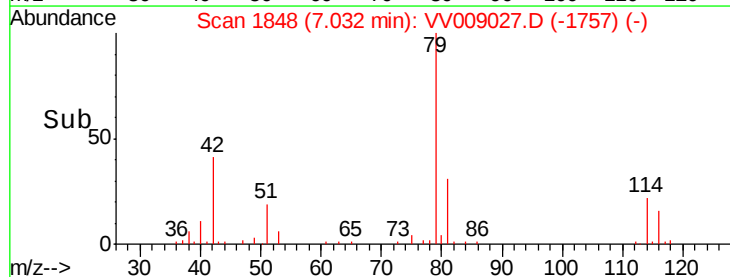
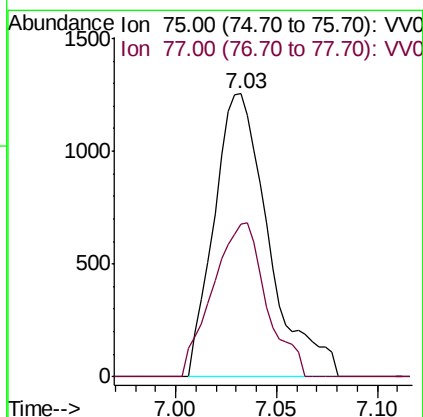
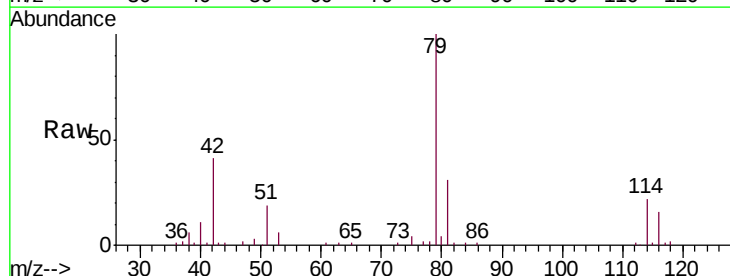
Instrument :
MSVOA_V
ClientSampleId :
VBLK71

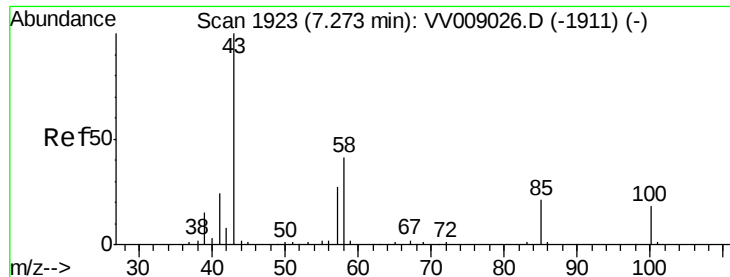
Tgt Ion: 83 Resp: 3740
Ion Ratio Lower Upper
83 100
85 51.8 45.6 84.8



#42
cis-1,3-Dichloropropene
Concen: 0.582 ug/L
RT: 7.03 min Scan# 1848
Delta R.T. -0.04 min
Lab File: VV009027.D
Acq: 18 Dec 2018 22:11

Tgt Ion: 75 Resp: 2368
Ion Ratio Lower Upper
75 100
77 54.0 21.3 39.6#

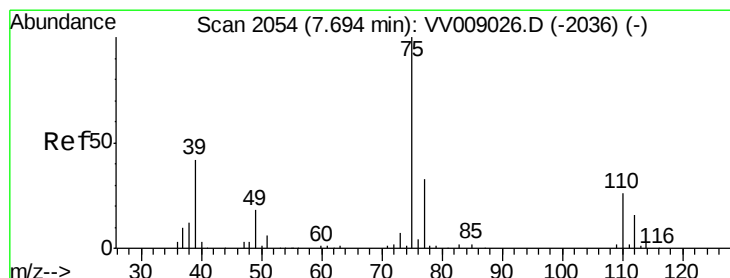
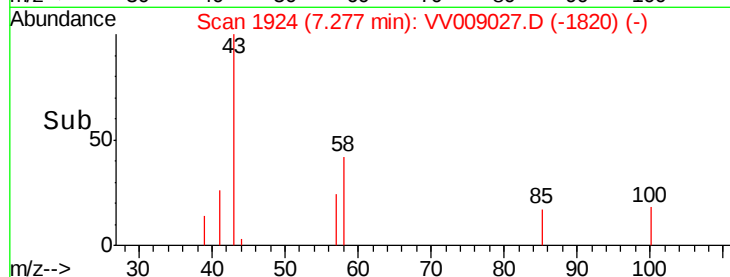
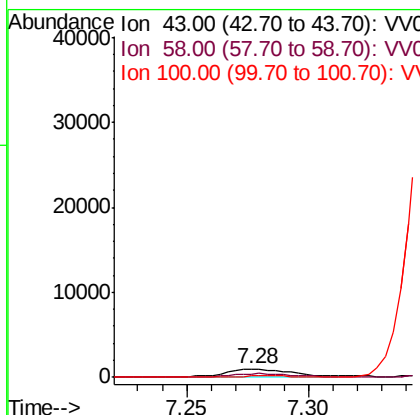
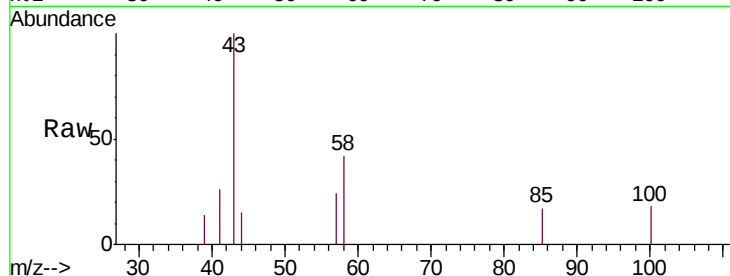




#43
4-Methyl-2-pentanone
Concen: 1.020 ug/L
RT: 7.28 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VV009027.D
Acq: 18 Dec 2018 22:11

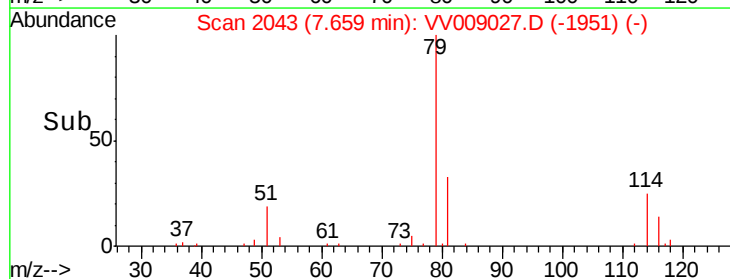
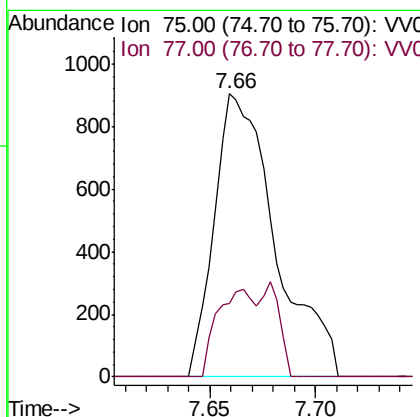
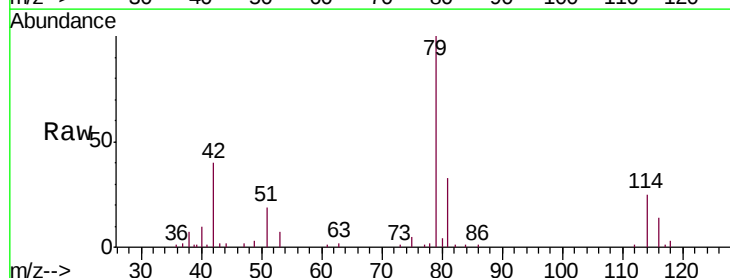
Instrument :
MSVOA_V
ClientSampleId :
VBLK71

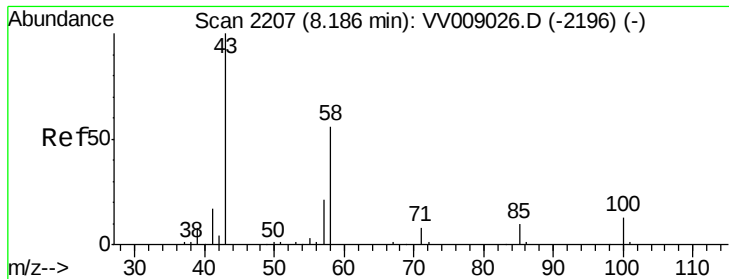
Tgt Ion: 43 Resp: 1917
Ion Ratio Lower Upper
43 100
58 39.4 32.2 48.4
100 10.1 13.8 20.8#



#45
trans-1,3-Dichloropropene
Concen: 0.513 ug/L
RT: 7.66 min Scan# 2043
Delta R.T. -0.04 min
Lab File: VV009027.D
Acq: 18 Dec 2018 22:11

Tgt Ion: 75 Resp: 1821
Ion Ratio Lower Upper
75 100
77 25.9 23.6 43.8





#49

2-Hexanone

Concen: 4.498 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. -0.00 min

Lab File: VV009027.D

Acq: 18 Dec 2018 22:11

Instrument :

MSVOA_V

ClientSampleId :

VBLK71

Tgt Ion: 43 Resp: 6994

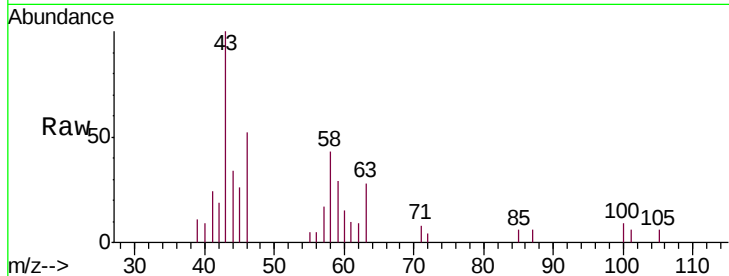
Ion Ratio Lower Upper

43 100

58 38.1 43.9 65.9#

57 16.6 15.7 23.5

100 9.3 11.0 16.4#

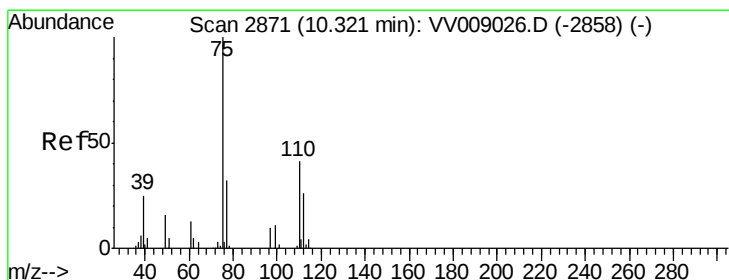
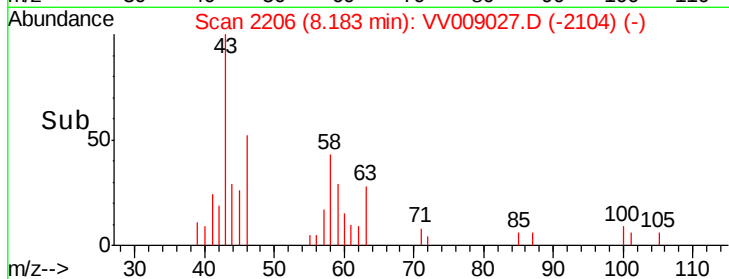
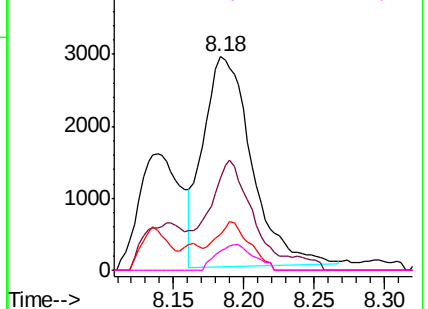


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0



#59

1,2,3-Trichloropropane

Concen: 4.099 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.97 min

Lab File: VV009027.D

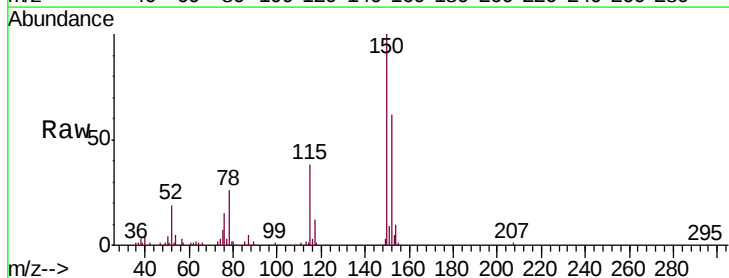
Acq: 18 Dec 2018 22:11

Tgt Ion: 75 Resp: 8884

Ion Ratio Lower Upper

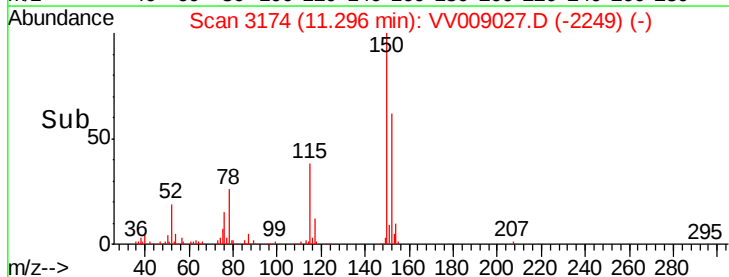
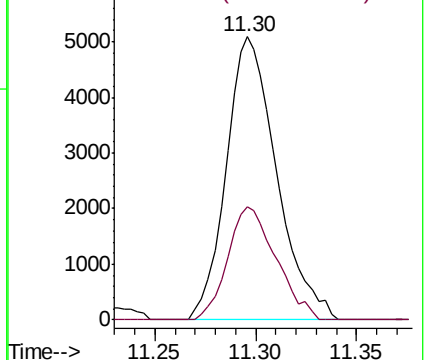
75 100

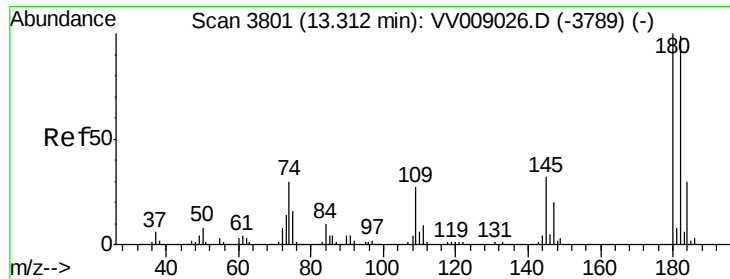
77 38.2 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

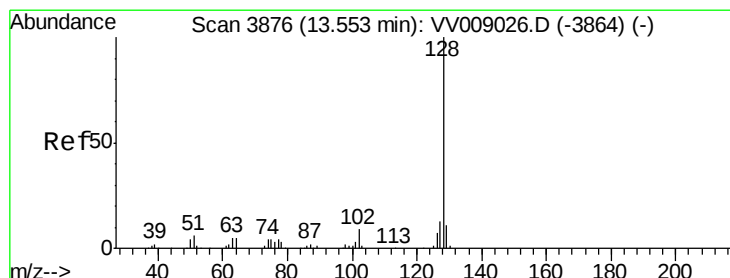
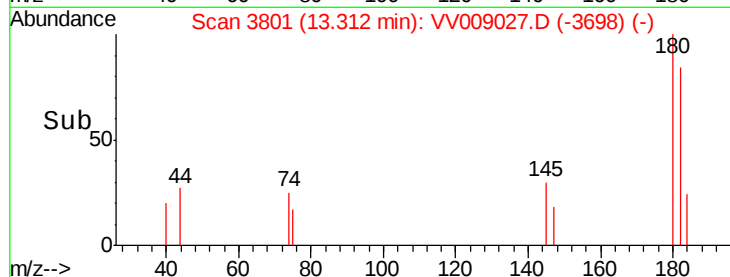
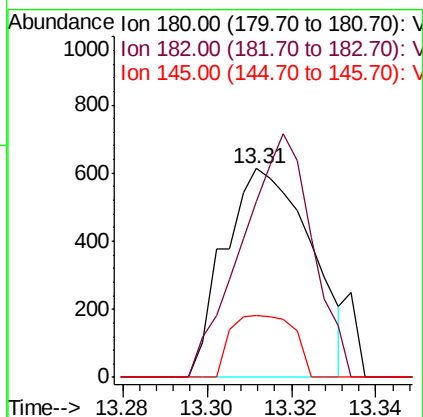
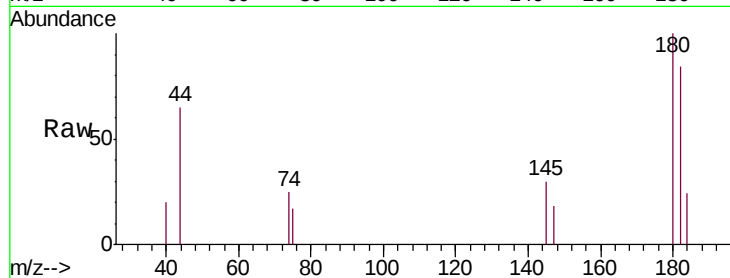




#68
 1,2,4-trichlorobenzene
 Concen: 0.341 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009027.D
 Acq: 18 Dec 2018 22:11

Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK71

Tgt Ion:180 Resp: 874
 Ion Ratio Lower Upper
 180 100
 182 94.4 77.4 116.0
 145 21.7 25.6 38.4#



#69
 Naphthalene
 Concen: 0.576 ug/L
 RT: 13.56 min Scan# 3877
 Delta R.T. 0.00 min
 Lab File: VV009027.D
 Acq: 18 Dec 2018 22:11

Tgt Ion:128 Resp: 2545
 Ion Ratio Lower Upper
 128 100
 129 7.3 8.6 13.0#
 127 12.1 10.0 15.0

