

Data File : VV009082.D
Acq On : 20 Dec 2018 14:06
Operator : SY/MD
Sample : J6471-19
Misc : 5.40 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F9H06

Quant Time: Dec 21 00:28:47 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	5.67	114	139891	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	112281	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	36284	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	32313	22.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.28%
7) Chloroethane-d5	1.58	69	36149	33.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	135.20%
10) 1,1-Dichloroethene-d2	2.13	63	62851	17.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.48%
20) 2-Butanone-d5	3.95	46	16537	31.38	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	62.76%
24) Chloroform-d	4.40	84	82809	24.62	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.48%
26) 1,2-Dichloroethane-d4	5.08	65	48909	26.65	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.60%
29) Benzene-d6	5.10	84	163776	26.12	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.48%
33) 1,2-Dichloropropane-d6	6.12	67	49308	28.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	112.36%
37) Toluene-d8	7.36	98	137468	23.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.76%
38) trans-1,3-Dichloropropene-	7.67	79	17375	22.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.12%
39) 2-Hexanone-d5	8.14	63	8226	25.58	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	51.16%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	31433	21.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	85.36%
61) 1,2-Dichlorobenzene-d4	11.68	152	30209	22.18	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.72%

Target Compounds

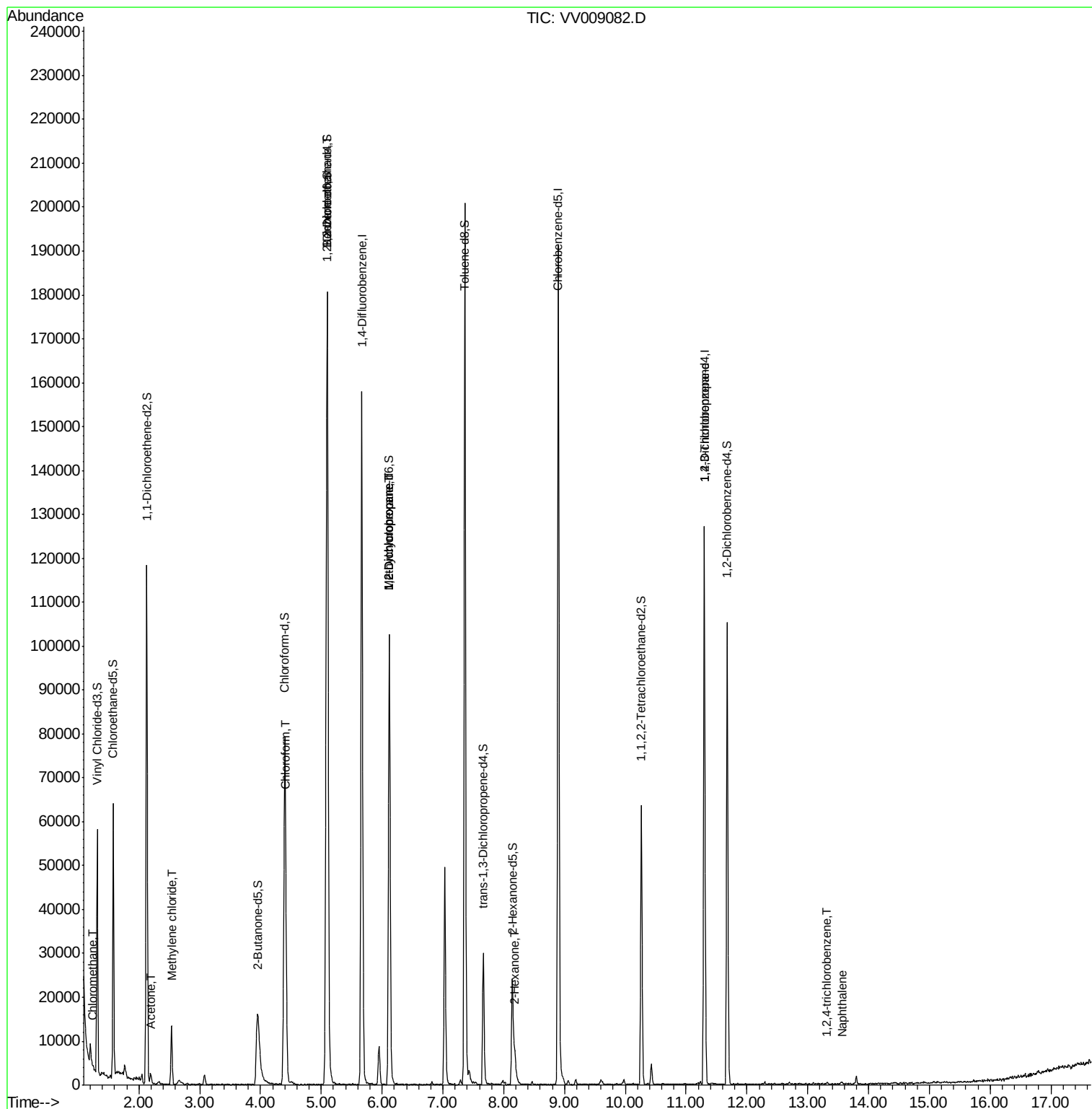
					Qvalue
3) Chloromethane	1.25	50	694	0.440 ug/L	94
13) Acetone	2.20	43	2499	3.218 ug/L	89
16) Methylene chloride	2.54	84	5682	2.412 ug/L	97
25) Chloroform	4.42	83	2751	0.811 ug/L	75
27) 1,2-Dichloroethane	5.10	62	901	0.390 ug/L #	75
36) Methylcyclohexane	6.12	83	12363	3.822 ug/L #	20
40) 1,2-Dichloropropane	6.12	63	5829	3.610 ug/L #	85
49) 2-Hexanone	8.19	43	4183	4.633 ug/L #	70
59) 1,2,3-Trichloropropane	11.30	75	3967	3.153 ug/L	90
68) 1,2,4-trichlorobenzene	13.32	180	290	0.245 ug/L #	76
69) Naphthalene	13.56	128	807	0.396 ug/L #	70

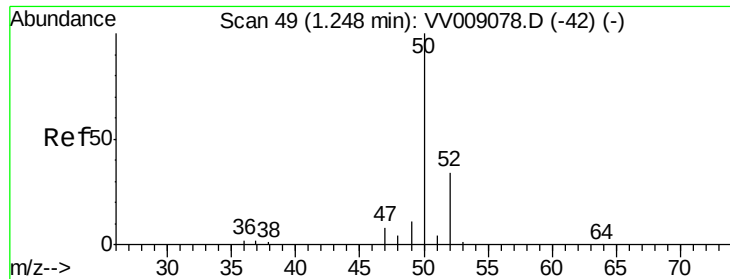
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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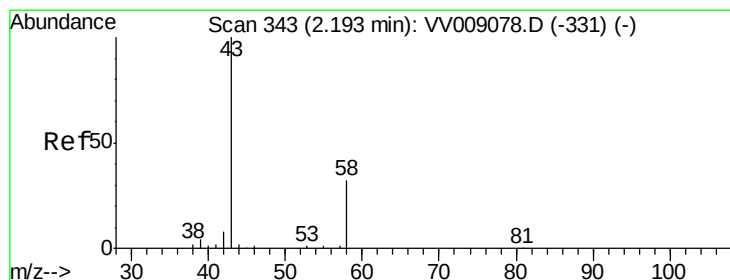
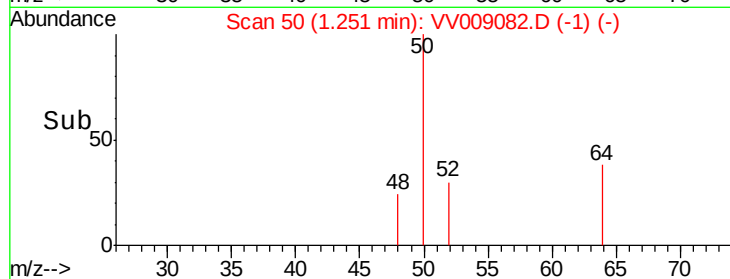
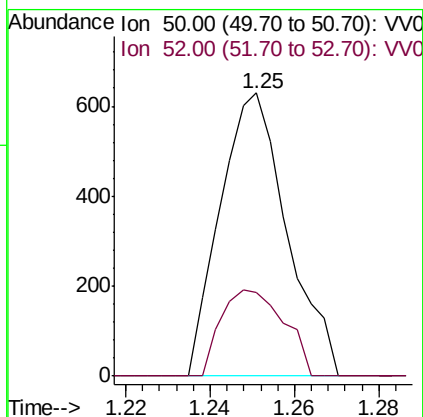
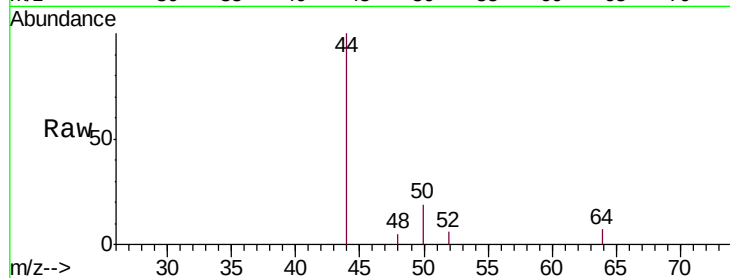




#3
 Chloromethane
 Concen: 0.440 ug/L
 RT: 1.25 min Scan# 50
 Delta R.T. 0.00 min
 Lab File: VV009082.D
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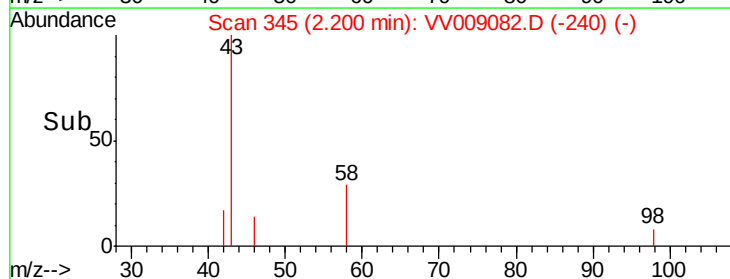
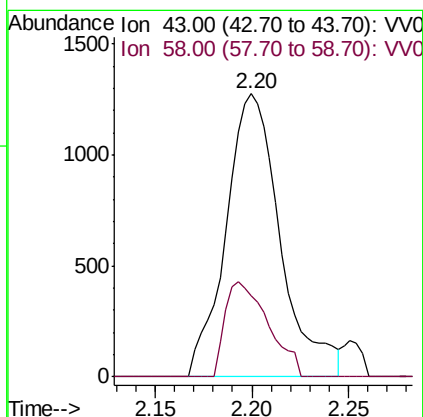
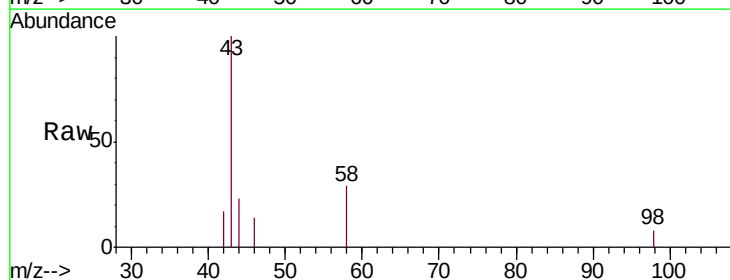
Instrument :
 MSVOA_V
 ClientSampled :
 F9H06

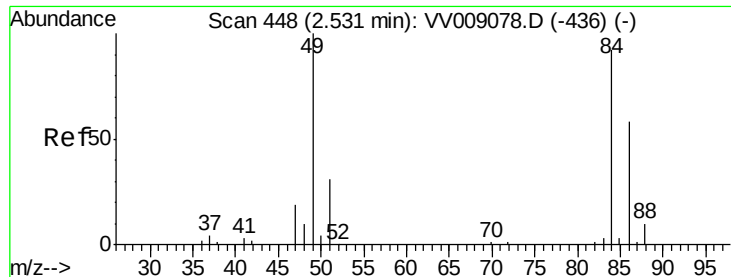
Tgt Ion: 50 Resp: 694
 Ion Ratio Lower Upper
 50 100
 52 29.6 23.2 43.2



#13
 Acetone
 Concen: 3.218 ug/L
 RT: 2.20 min Scan# 345
 Delta R.T. 0.01 min
 Lab File: VV009082.D
 Acq: 20 Dec 2018 14:06

Tgt Ion: 43 Resp: 2499
 Ion Ratio Lower Upper
 43 100
 58 26.6 0.0 65.4

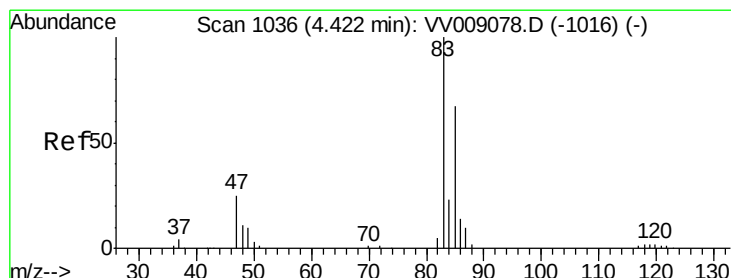
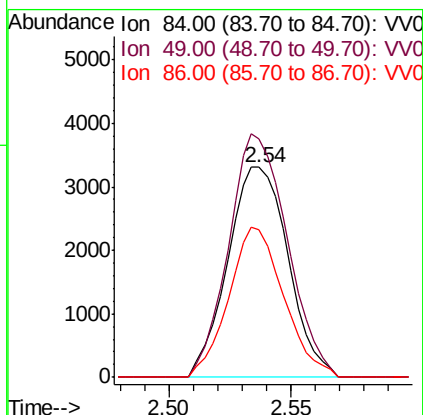
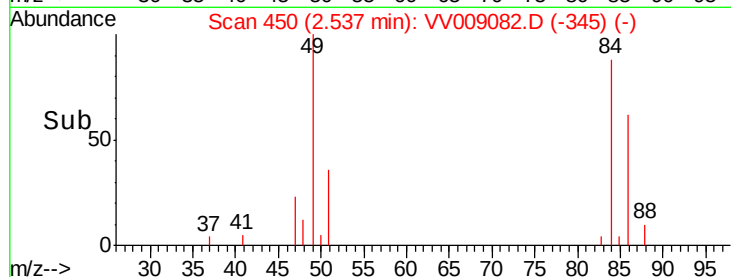
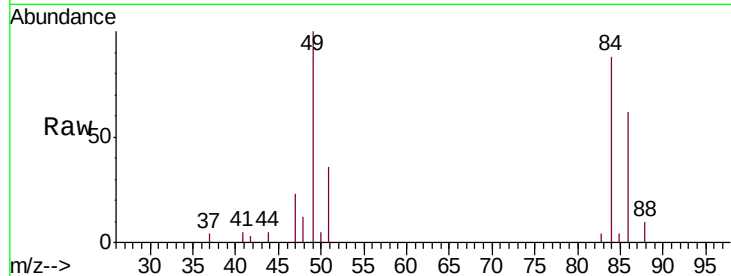




#16
Methylene chloride
Concen: 2.412 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.01 min
Lab File: VV009082.D
Acq: 20 Dec 2018 14:06

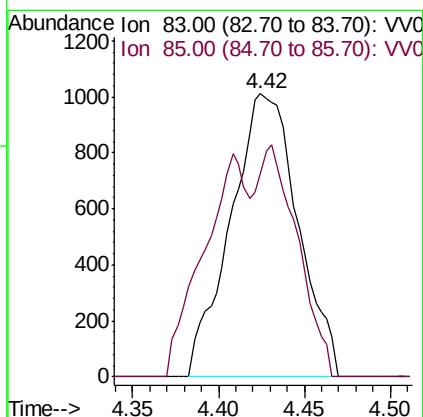
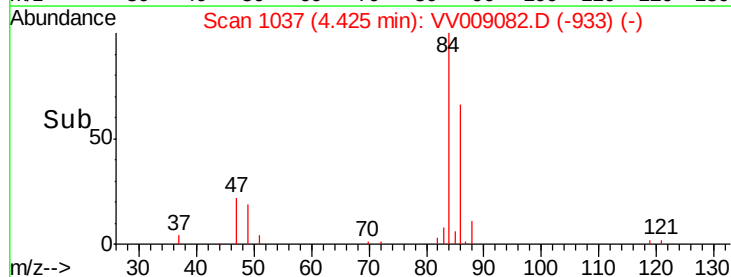
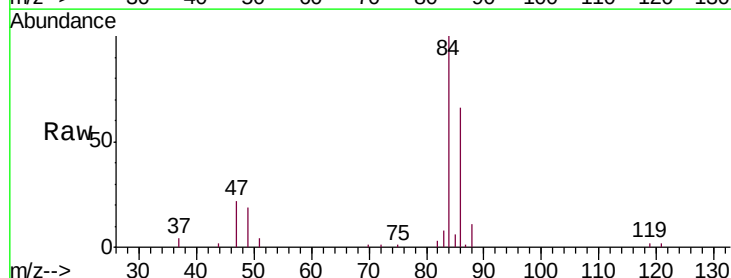
Instrument :
MSVOA_V
ClientSampleId :
F9H06

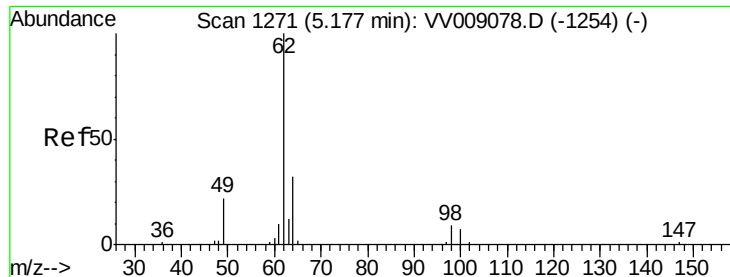
Tgt Ion: 84 Resp: 5682
Ion Ratio Lower Upper
84 100
49 113.7 80.5 149.5
86 70.2 45.5 84.5



#25
Chloroform
Concen: 0.811 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV009082.D
Acq: 20 Dec 2018 14:06

Tgt Ion: 83 Resp: 2751
Ion Ratio Lower Upper
83 100
85 45.7 45.6 84.8

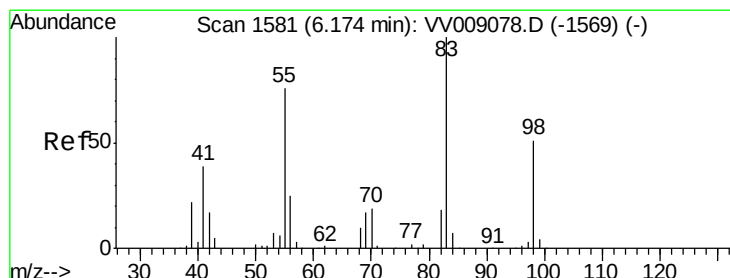
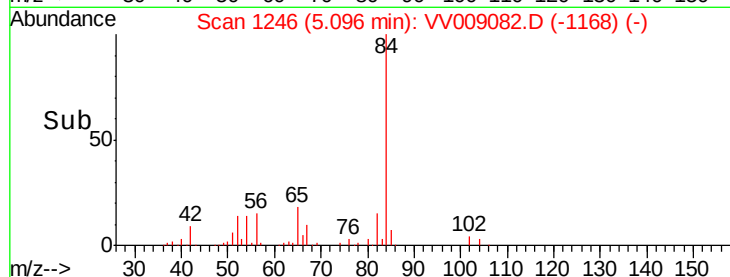
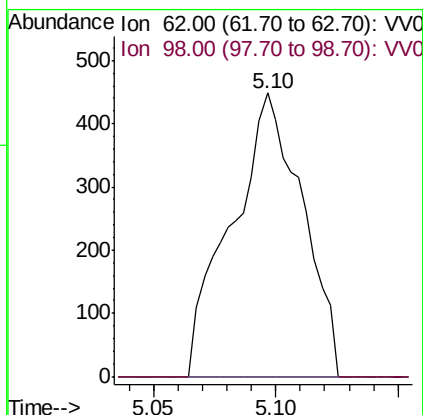
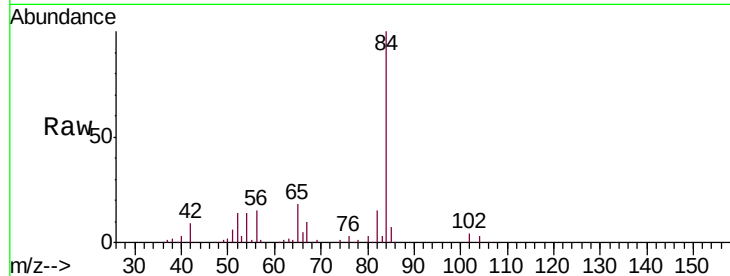




#27
 1,2-Dichloroethane
 Concen: 0.390 ug/L
 RT: 5.10 min Scan# 1246
 Delta R.T. -0.08 min
 Lab File: VV009082.D
 Acq: 20 Dec 2018 14:06

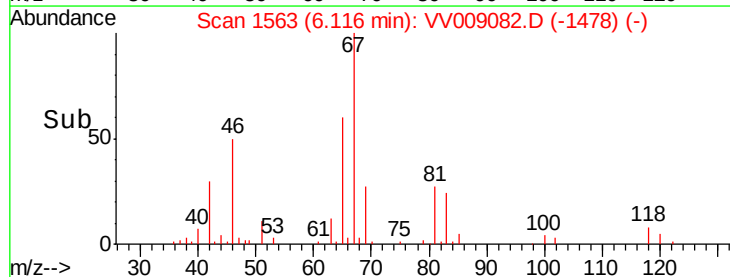
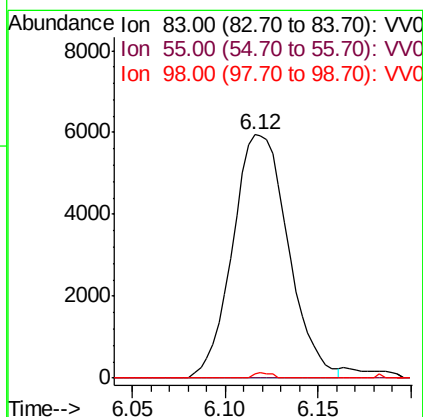
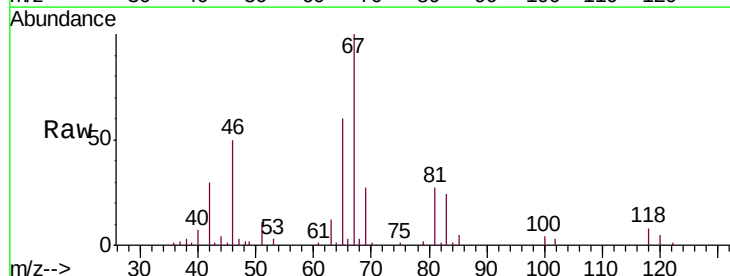
Instrument :
 MSVOA_V
 ClientSampleId :
 F9H06

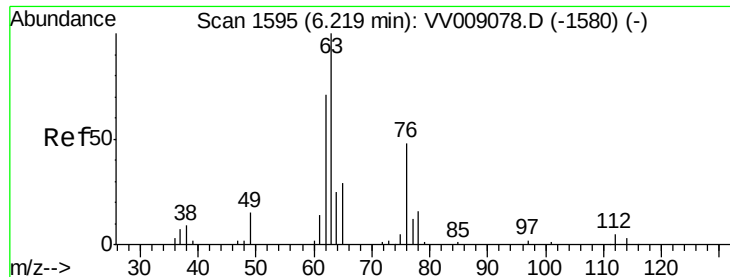
Tgt Ion: 62 Resp: 901
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.4 11.0#



#36
 Methylcyclohexane
 Concen: 3.822 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.06 min
 Lab File: VV009082.D
 Acq: 20 Dec 2018 14:06

Tgt Ion: 83 Resp: 12363
 Ion Ratio Lower Upper
 83 100
 55 0.0 58.2 87.2#
 98 0.7 37.8 56.8#

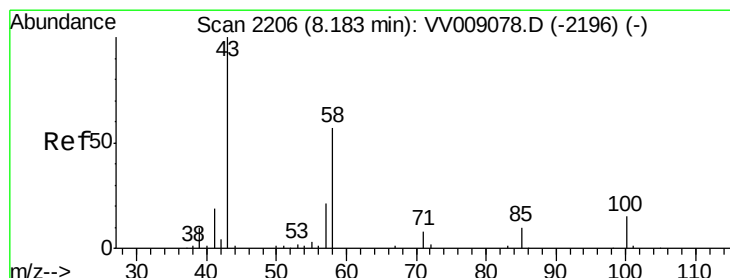
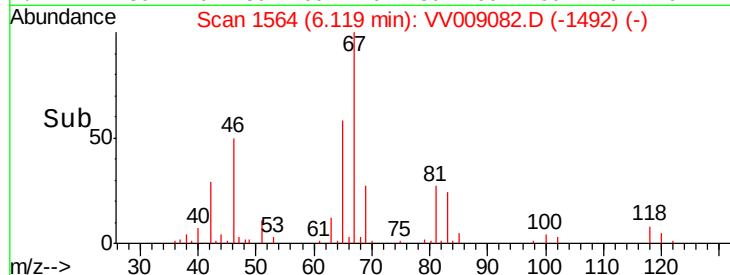
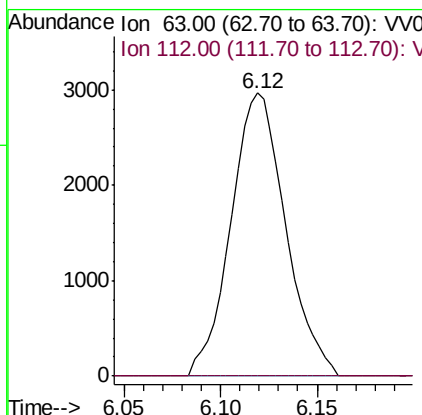
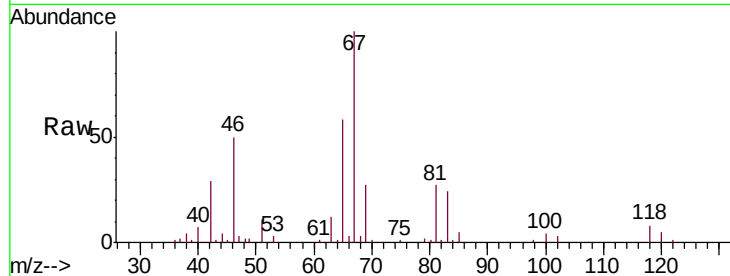




#40
 1,2-Dichloropropane
 Concen: 3.610 ug/L
 RT: 6.12 min Scan# 1564
 Delta R.T. -0.10 min
 Lab File: VV009082.D
 Acq: 20 Dec 2018 14:06

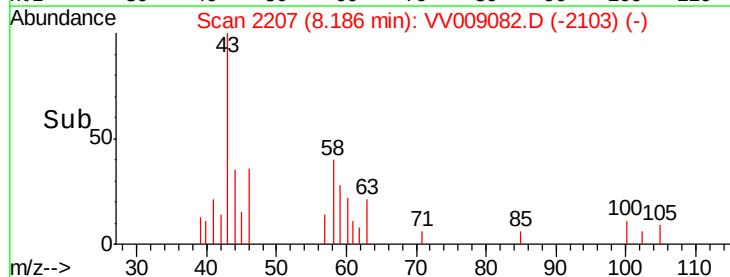
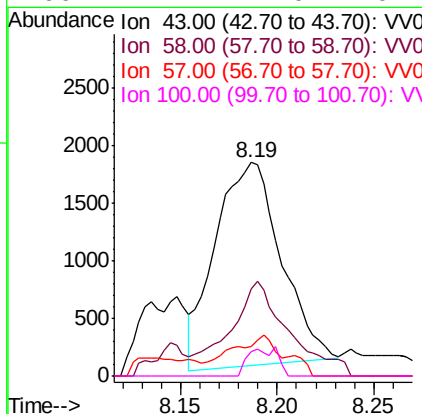
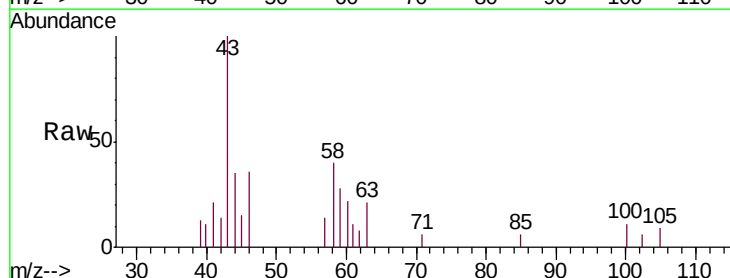
Instrument :
 MSVOA_V
 ClientSampled :
 F9H06

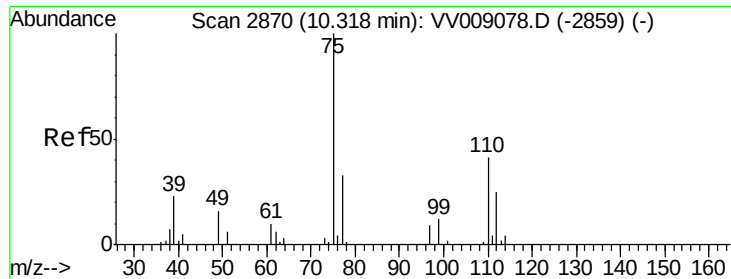
Tgt Ion: 63 Resp: 5829
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.8 5.8#



#49
 2-Hexanone
 Concen: 4.633 ug/L
 RT: 8.19 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VV009082.D
 Acq: 20 Dec 2018 14:06

Tgt Ion: 43 Resp: 4183
 Ion Ratio Lower Upper
 43 100
 58 31.0 43.9 65.9#
 57 7.4 15.7 23.5#
 100 4.4 11.0 16.4#





#59

1,2,3-Trichloropropane

Concen: 3.153 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.98 min

Lab File: VV009082.D

Acq: 20 Dec 2018 14:06

Instrument :

MSVOA_V

ClientSampled :

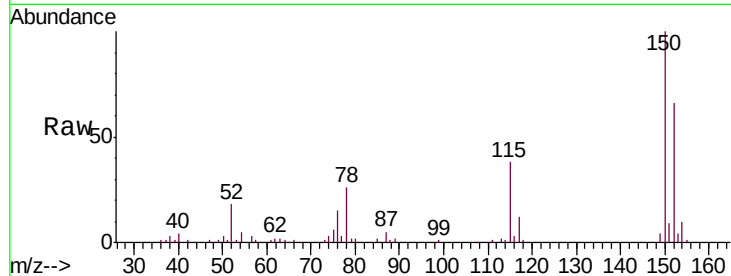
F9H06

Tgt Ion: 75 Resp: 3967

Ion Ratio Lower Upper

75 100

77 37.8 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) (-)

11.30

2000

1500

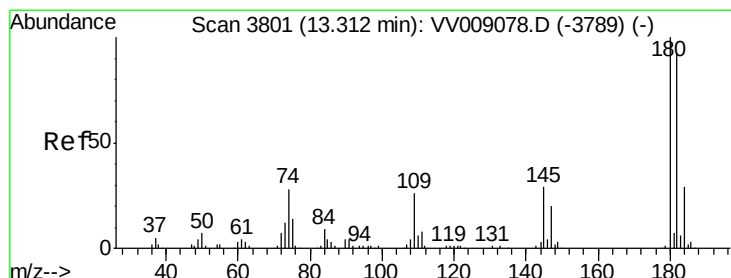
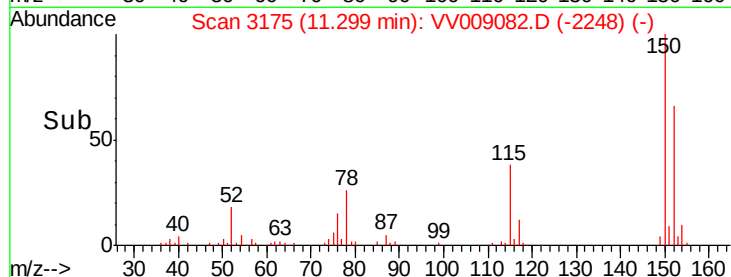
1000

500

0

11.25 11.30 11.35

Time-->



#68

1,2,4-trichlorobenzene

Concen: 0.245 ug/L

RT: 13.32 min Scan# 3804

Delta R.T. 0.01 min

Lab File: VV009082.D

Acq: 20 Dec 2018 14:06

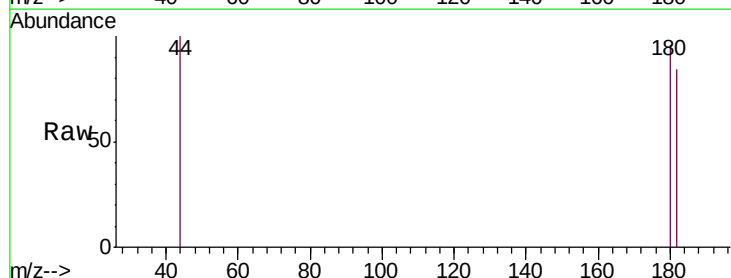
Tgt Ion: 180 Resp: 290

Ion Ratio Lower Upper

180 100

182 83.4 77.4 116.0

145 0.0 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) (-)

13.32

300

250

200

150

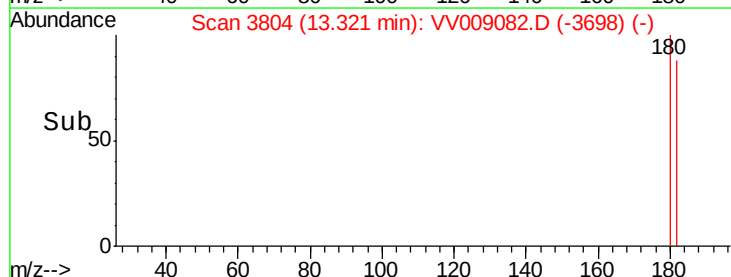
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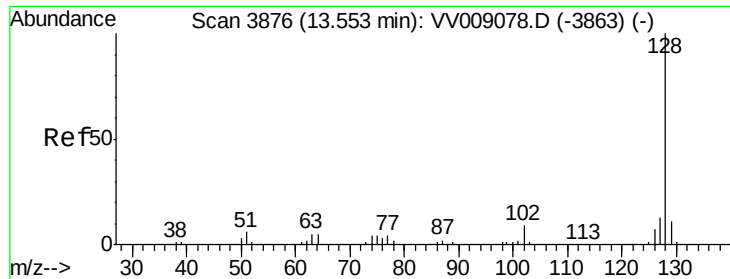
50

0

13.30 13.32 13.34

Time-->





#69

Naphthalene

Concen: 0.396 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.01 min

Lab File: VV009082.D

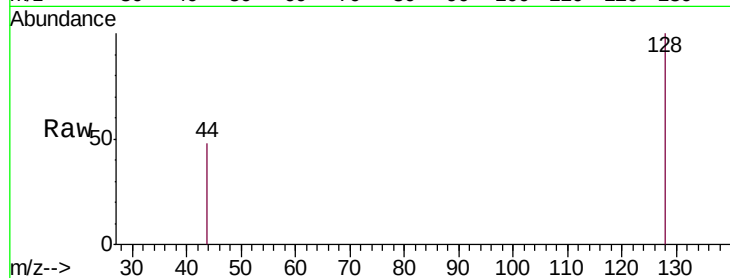
Acq: 20 Dec 2018 14:06

Instrument :

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ClientSampleId :

F9H06



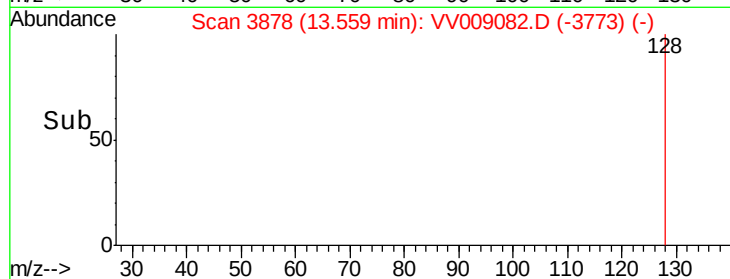
Tgt Ion:128 Resp: 807

Ion Ratio Lower Upper

128 100

129 0.0 8.6 13.0#

127 0.0 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

