

Data File : VV009106.D
Acq On : 21 Dec 2018 01:54
Operator : SY/MD
Sample : J6468-18
Misc : 5.92 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0JH4

Quant Time: Dec 21 02:58:43 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 21 01:30:11 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	200858	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	174924	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	51304	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	42420	20.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.64%
7) Chloroethane-d5	1.58	69	46318	30.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	120.64%
10) 1,1-Dichloroethene-d2	2.13	63	81398	15.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.64%
20) 2-Butanone-d5	3.94	46	42806	56.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.14%
24) Chloroform-d	4.40	84	133784	27.71	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	110.84%
26) 1,2-Dichloroethane-d4	5.08	65	79726	30.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	121.04%
29) Benzene-d6	5.10	84	253834	25.98	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.92%
33) 1,2-Dichloropropane-d6	6.12	67	87269	31.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	127.64%#
37) Toluene-d8	7.36	98	212549	23.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.04%
38) trans-1,3-Dichloropropene-	7.67	79	24390	20.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.20%
39) 2-Hexanone-d5	8.14	63	24402	48.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.40%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	72398	31.55	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	126.20%#
61) 1,2-Dichlorobenzene-d4	11.68	152	53026	27.54	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	110.16%

Target Compounds

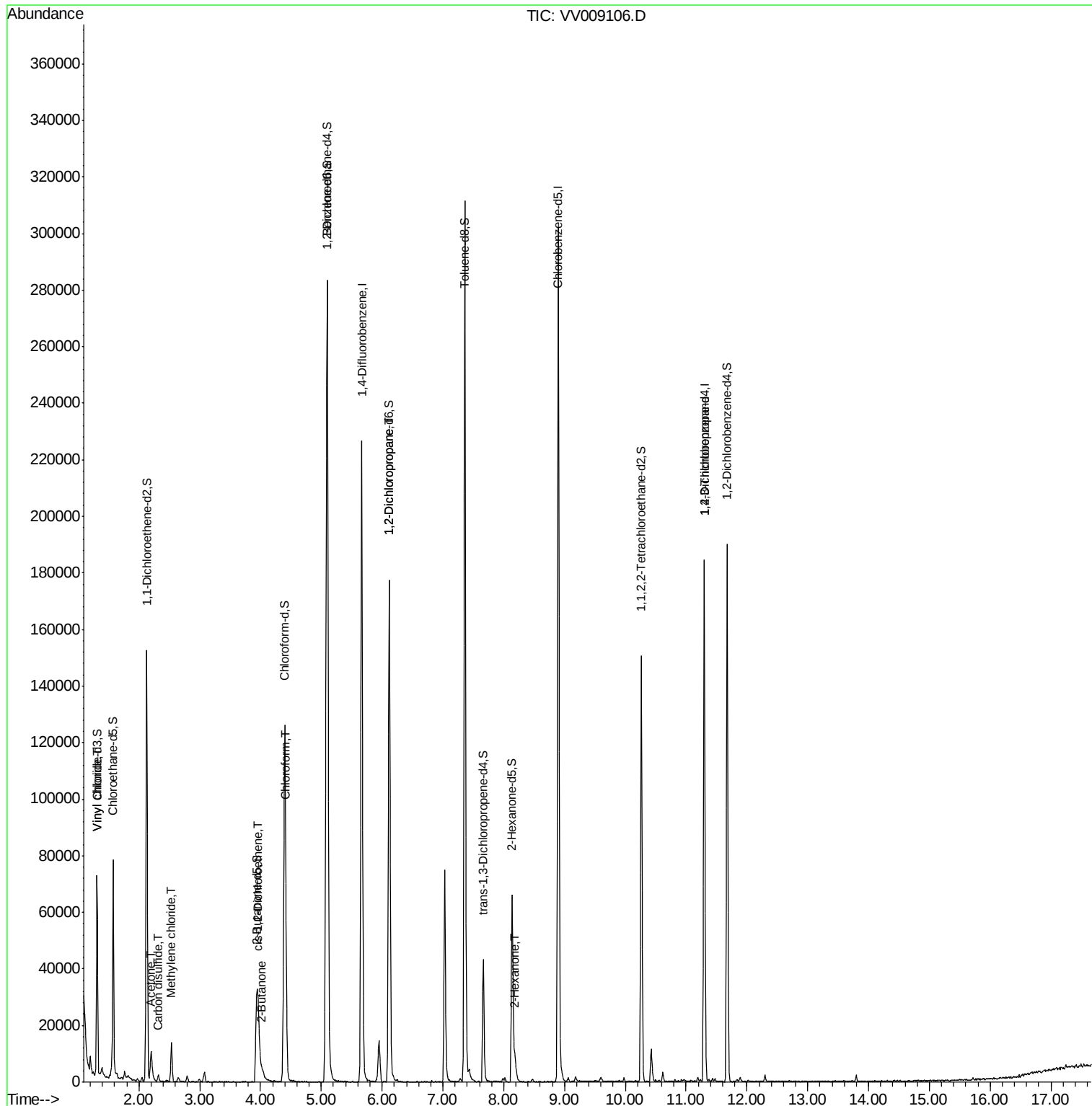
					Qvalue
5) Vinyl chloride	1.32	62	1875	0.742 ug/L #	11
13) Acetone	2.20	43	15227	13.657 ug/L	98
14) Carbon disulfide	2.32	76	2966	0.357 ug/L	96
16) Methylene chloride	2.53	84	6216	1.838 ug/L	93
21) 2-Butanone	4.02	43	1366	1.307 ug/L #	15
22) cis-1,2-Dichloroethene	3.97	96	3714	1.273 ug/L	92
25) Chloroform	4.42	83	4036	0.829 ug/L #	65
40) 1,2-Dichloropropane	6.12	63	9652	3.837 ug/L #	85
49) 2-Hexanone	8.19	43	4196	2.983 ug/L #	81
59) 1,2,3-Trichloropropane	11.30	75	5652	2.883 ug/L	92

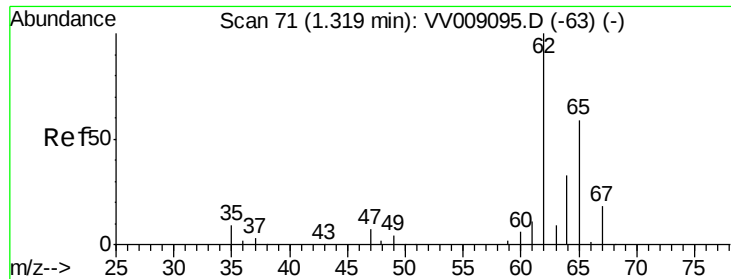
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.742 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

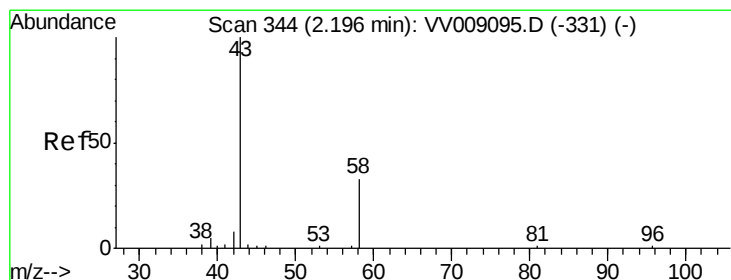
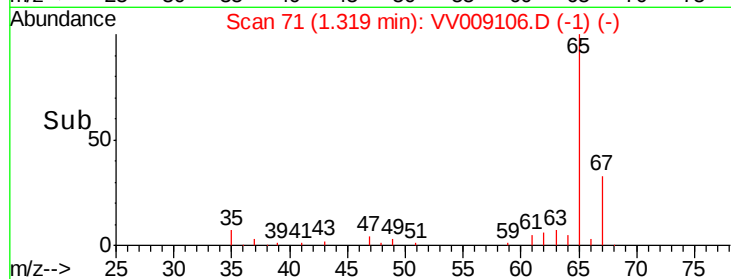
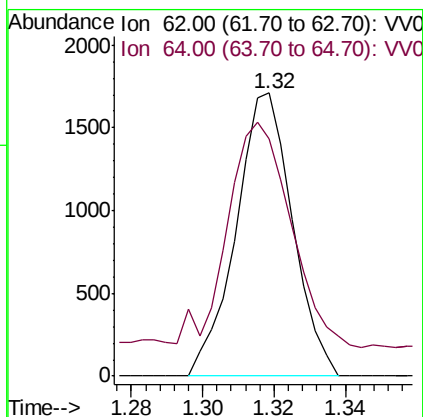
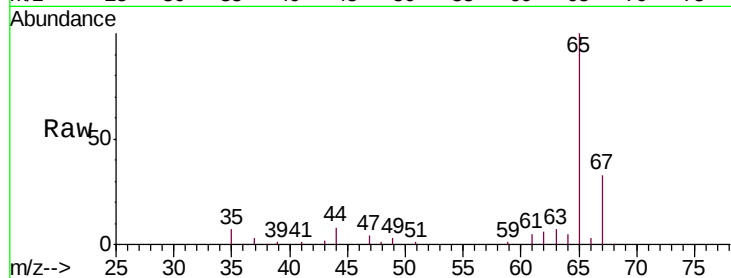
C0JH4

Tgt Ion: 62 Resp: 1875

Ion Ratio Lower Upper

62 100

64 83.6 23.3 43.3#



#13

Acetone

Concen: 13.657 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.00 min

Lab File: VV009106.D

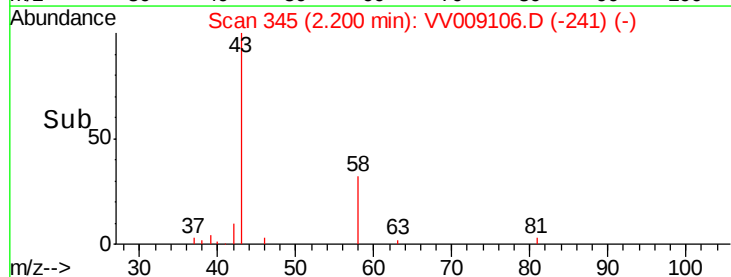
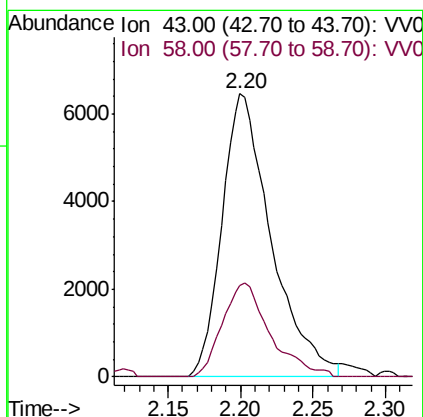
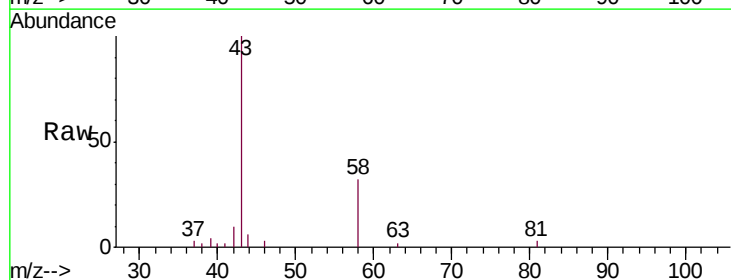
Acq: 21 Dec 2018 01:54

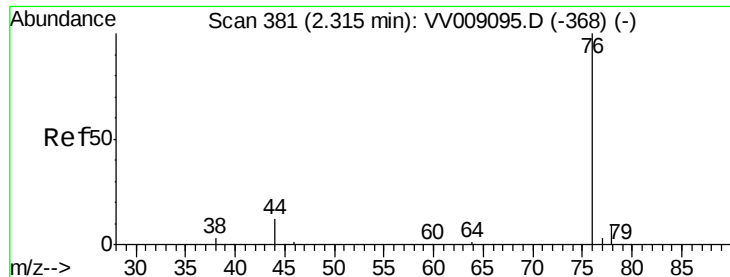
Tgt Ion: 43 Resp: 15227

Ion Ratio Lower Upper

43 100

58 31.6 0.0 65.4





#14

Carbon disulfide

Concen: 0.357 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV009106.D

Acq: 21 Dec 2018 01:54

Instrument :

MSVOA_V

ClientSampleId :

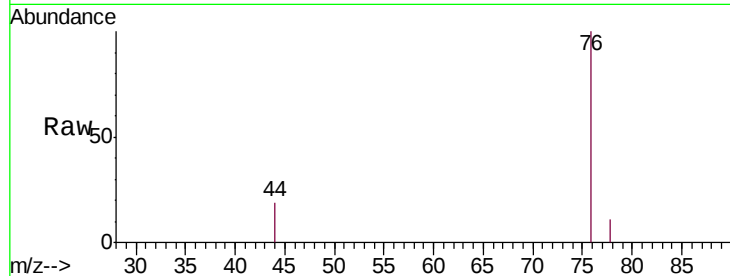
C0JH4

Tgt Ion: 76 Resp: 2966

Ion Ratio Lower Upper

76 100

78 10.6 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV009095.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV009095.D (-368) (-)

2.32

2000

1500

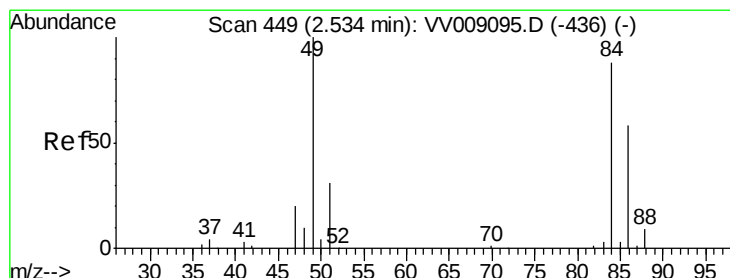
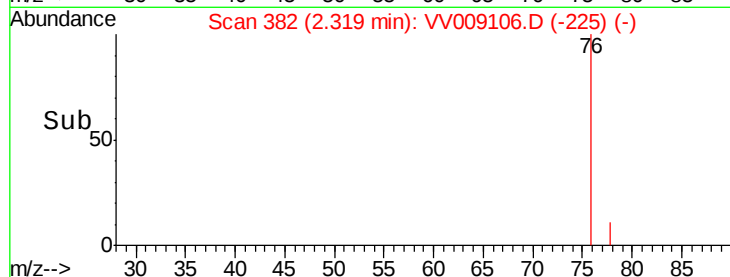
1000

500

0

2.28 2.30 2.32 2.34 2.36

Time-->



#16

Methylene chloride

Concen: 1.838 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV009106.D

Acq: 21 Dec 2018 01:54

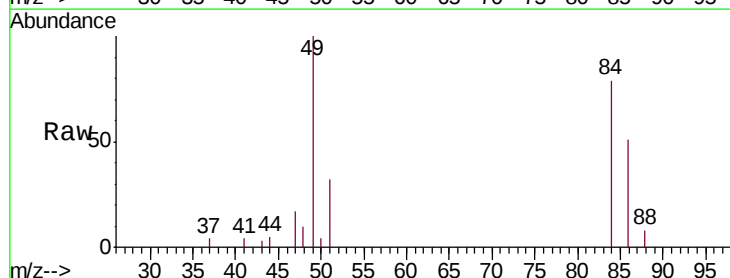
Tgt Ion: 84 Resp: 6216

Ion Ratio Lower Upper

84 100

49 126.3 80.5 149.5

86 64.0 45.5 84.5



Abundance Ion 84.00 (83.70 to 84.70): VV009095.D (-436) (-)

Ion 49.00 (48.70 to 49.70): VV009095.D (-436) (-)

Ion 86.00 (85.70 to 86.70): VV009095.D (-436) (-)

6000

5000

4000

3000

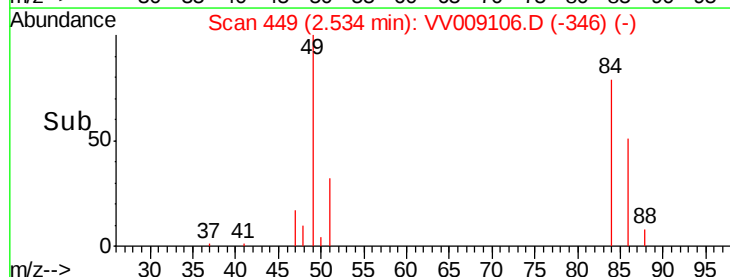
2000

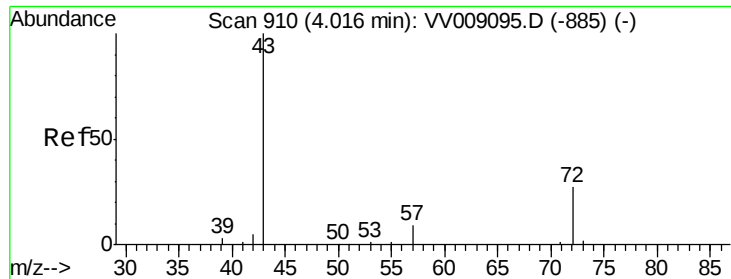
1000

0

2.50 2.55 2.60

Time-->





#21

2-Butanone

Concen: 1.307 ug/L

RT: 4.02 min Scan# 912

Delta R.T. 0.01 min

Lab File: VV009106.D

Acq: 21 Dec 2018 01:54

Instrument :

MSVOA_V

ClientSampled :

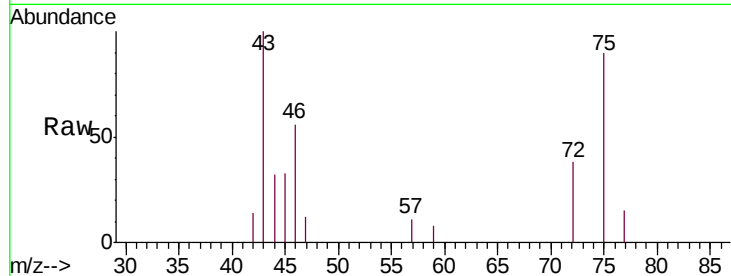
C0JH4

Tgt Ion: 43 Resp: 1366

Ion Ratio Lower Upper

43 100

72 71.8 13.7 41.1#



Abundance Ion 43.00 (42.70 to 43.70): VV009095.D (-885) (-)

Ion 72.00 (71.70 to 72.70): VV009095.D (-885) (-)

1500

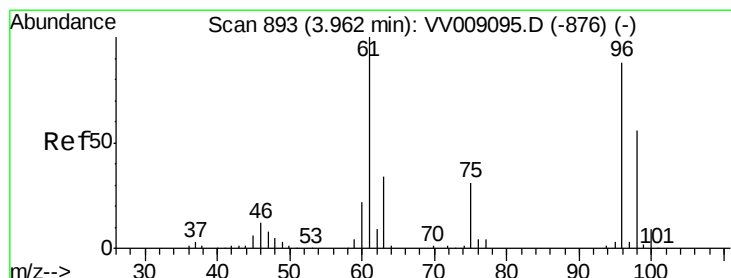
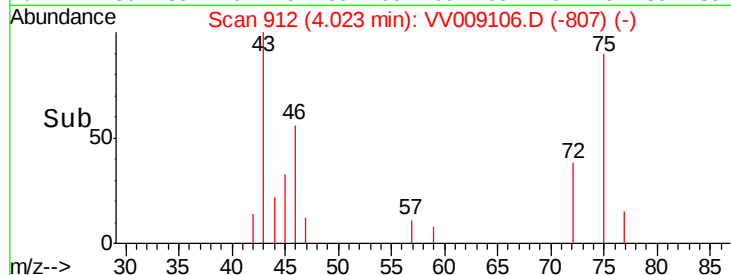
1000

500

0

Time-->

3.98 4.00 4.02 4.04



#22

cis-1,2-Dichloroethene

Concen: 1.273 ug/L

RT: 3.97 min Scan# 895

Delta R.T. 0.01 min

Lab File: VV009106.D

Acq: 21 Dec 2018 01:54

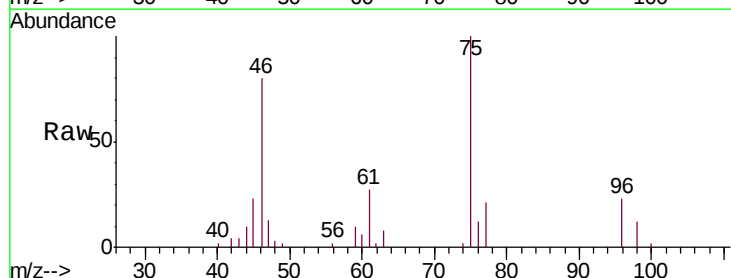
Tgt Ion: 96 Resp: 3714

Ion Ratio Lower Upper

96 100

61 117.5 86.2 160.0

98 53.2 45.6 84.6



Abundance Ion 96.00 (95.70 to 96.70): VV009095.D (-876) (-)

Ion 61.00 (60.70 to 61.70): VV009095.D (-876) (-)

Ion 98.00 (97.70 to 98.70): VV009095.D (-876) (-)

2500

2000

1500

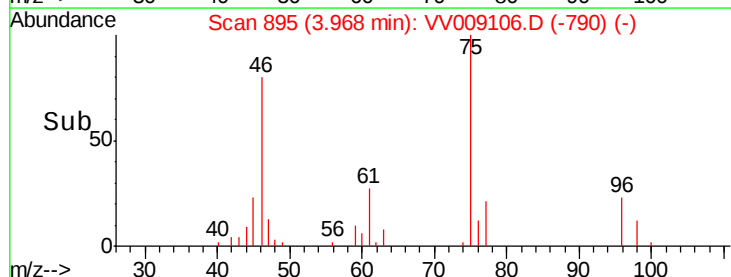
1000

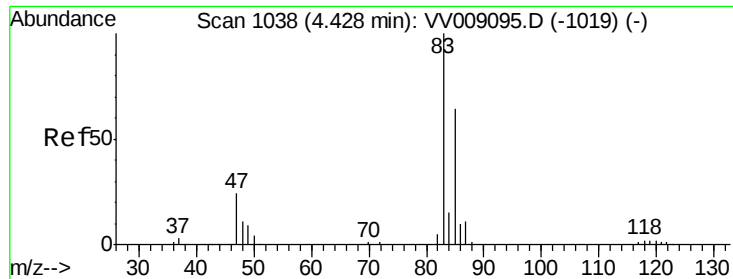
500

0

Time-->

3.90 3.95 4.00

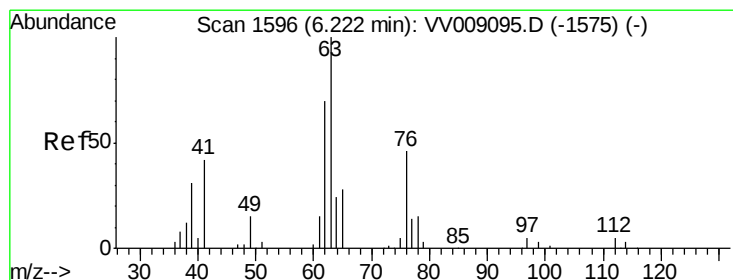
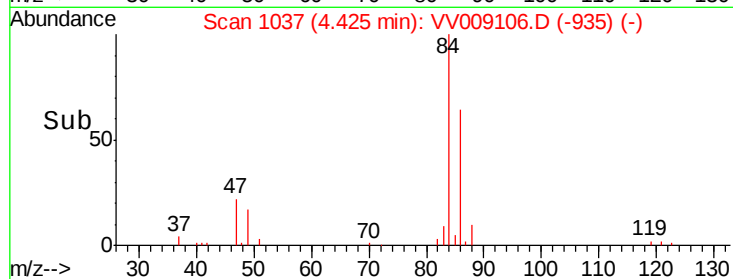
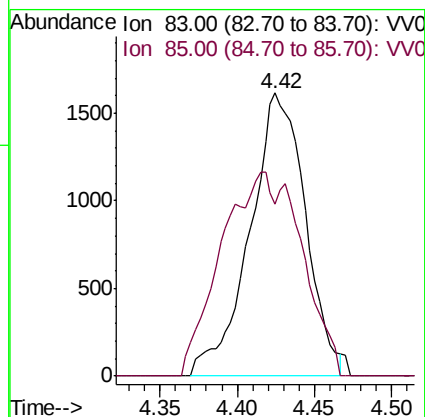
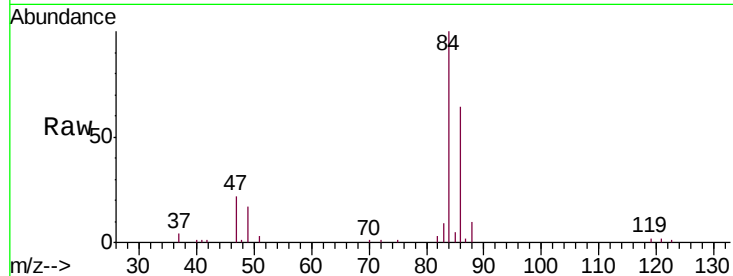




#25
Chloroform
Concen: 0.829 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV009106.D
Acq: 21 Dec 2018 01:54

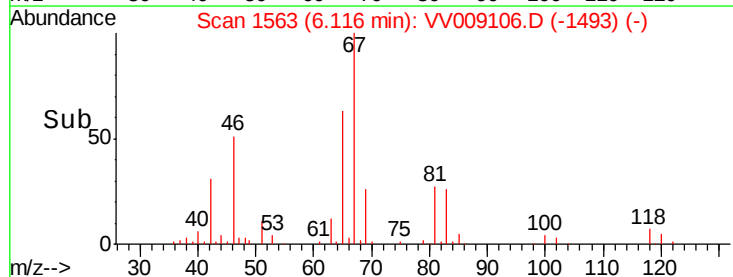
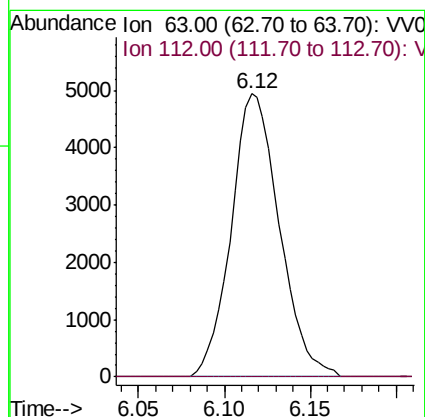
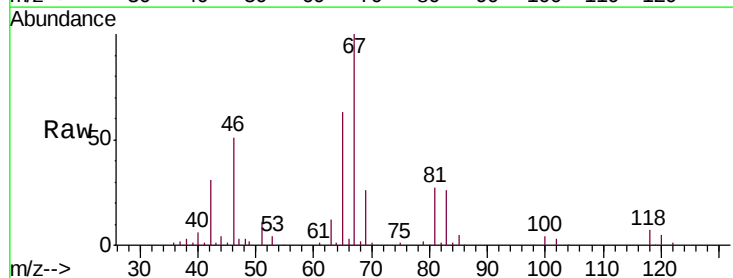
Instrument :
MSVOA_V
ClientSampleId :
C0JH4

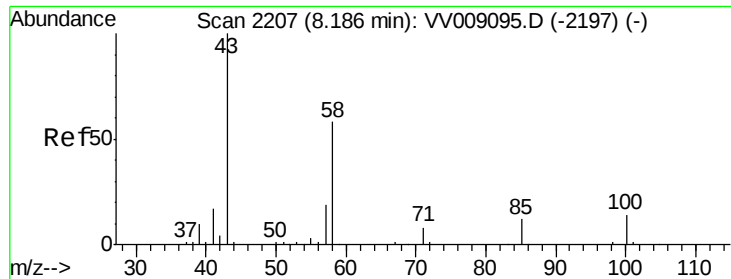
Tgt Ion: 83 Resp: 4036
Ion Ratio Lower Upper
83 100
85 37.6 45.6 84.8#



#40
1,2-Dichloropropane
Concen: 3.837 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.11 min
Lab File: VV009106.D
Acq: 21 Dec 2018 01:54

Tgt Ion: 63 Resp: 9652
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.8#

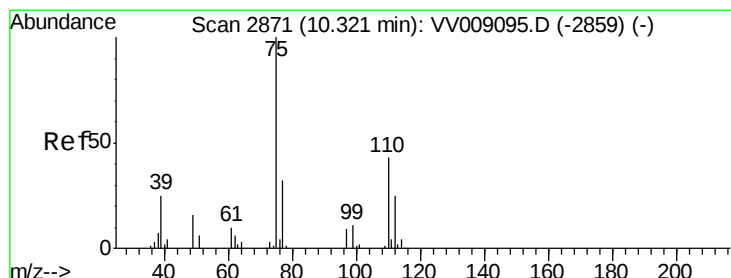
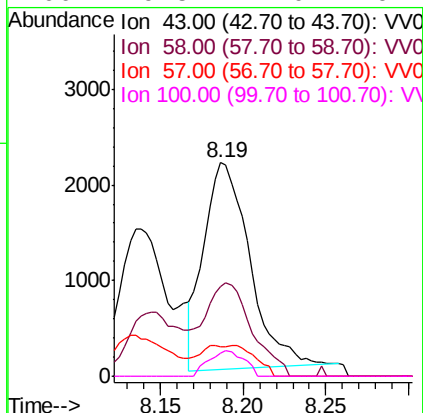
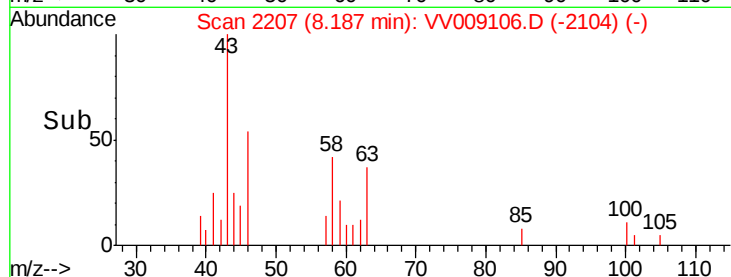
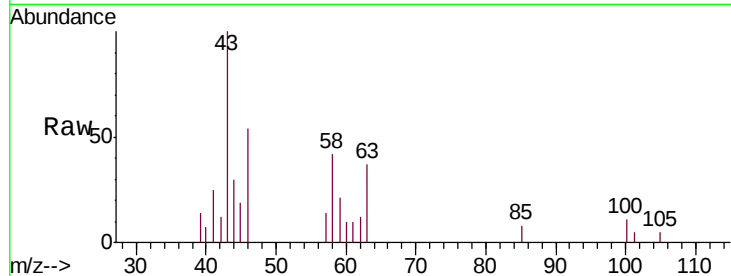




#49
2-Hexanone
Concen: 2.983 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV009106.D
Acq: 21 Dec 2018 01:54

Instrument :
MSVOA_V
ClientSampleId :
C0JH4

Tgt Ion: 43 Resp: 4196
Ion Ratio Lower Upper
43 100
58 44.5 43.9 65.9
57 2.6 15.7 23.5#
100 9.5 11.0 16.4#



#59
1,2,3-Trichloropropane
Concen: 2.883 ug/L
RT: 11.30 min Scan# 3174
Delta R.T. 0.97 min
Lab File: VV009106.D
Acq: 21 Dec 2018 01:54

Tgt Ion: 75 Resp: 5652
Ion Ratio Lower Upper
75 100
77 36.6 25.6 38.4

