

Data File : VV011878.D
Acq On : 12 Jul 2019 20:20
Operator : SY/MD
Sample : K3772-12
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A52P8

Quant Time: Jul 13 04:24:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jul 13 04:20:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	167249	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	154211	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	69616	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	58026	4.62	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.40%
7) Chloroethane-d5	1.58	69	47867	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.40%
11) 1,1-Dichloroethene-d2	2.13	63	58080	2.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.60%#
20) 2-Butanone-d5	3.94	46	123473	46.81	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.62%
24) Chloroform-d	4.40	84	96649	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.80%
26) 1,2-Dichloroethane-d4	5.08	65	53277	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
32) Benzene-d6	5.10	84	206892	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	6.12	67	66078	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.00%
41) Toluene-d8	7.36	98	184652	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
43) trans-1,3-Dichloropropene-	7.67	79	21410	4.47	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.40%
46) 2-Hexanone-d5	8.14	63	96549	51.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.52%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	38912	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	68498	5.32	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.40%

Target Compounds

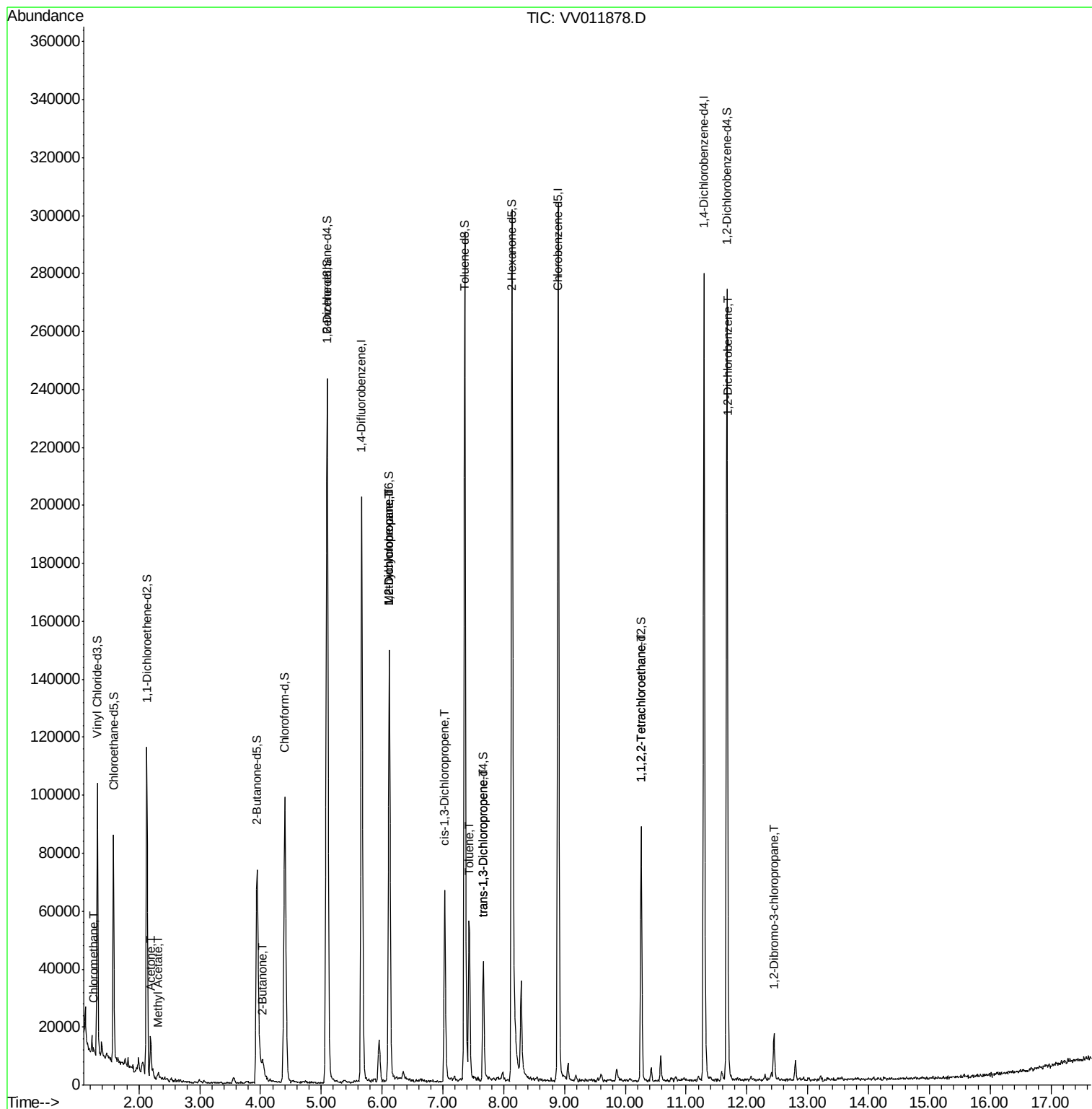
					Qvalue	
3) Chloromethane	1.25	50	1537	0.095	ug/L #	82
13) Acetone	2.19	43	14336	8.864	ug/L	95
15) Methyl Acetate	2.33	43	661	0.172	ug/L #	54
21) 2-Butanone	4.04	43	9088	3.098	ug/L	89
35) Methylcyclohexane	6.12	83	16414	0.816	ug/L #	17
37) 1,2-Dichloropropane	6.12	63	8086	0.673	ug/L #	84
39) cis-1,3-Dichloropropene	7.03	75	1738	0.106	ug/L #	24
42) Toluene	7.43	91	38583	0.766	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	1101	0.086	ug/L #	44
58) 1,1,2,2-Tetrachloroethane	10.26	83	522	0.066	ug/L #	1
65) 1,2-Dichlorobenzene	11.69	146	2607	0.123	ug/L	93
66) 1,2-Dibromo-3-chloropropan	12.44	75	2579	1.972	ug/L #	7

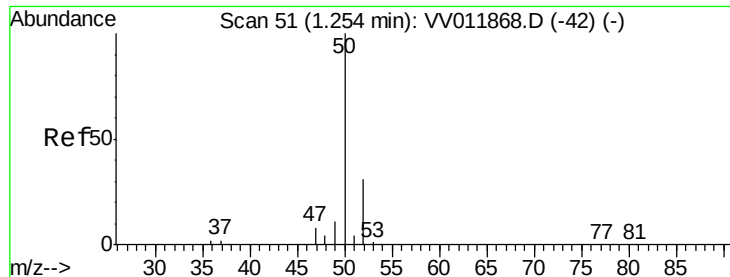
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.095 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV011878.D

Acq: 12 Jul 2019 20:20

Instrument :

MSVOA_V

ClientSampled :

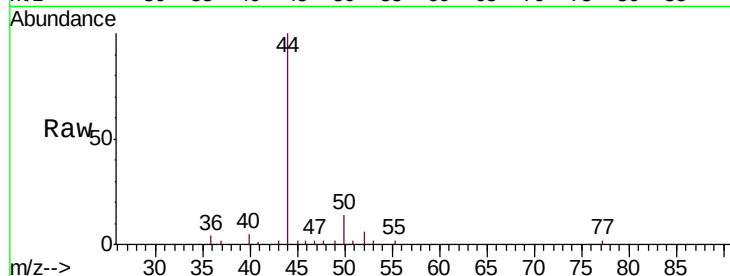
A52P8

Tgt Ion: 50 Resp: 1537

Ion Ratio Lower Upper

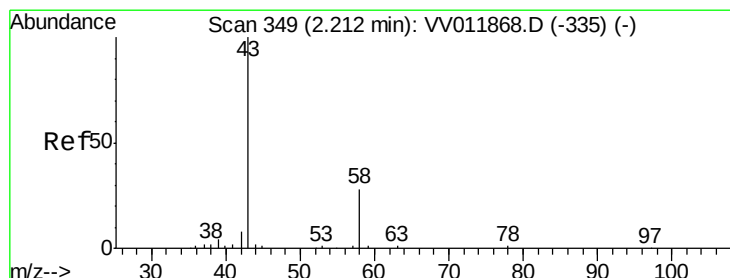
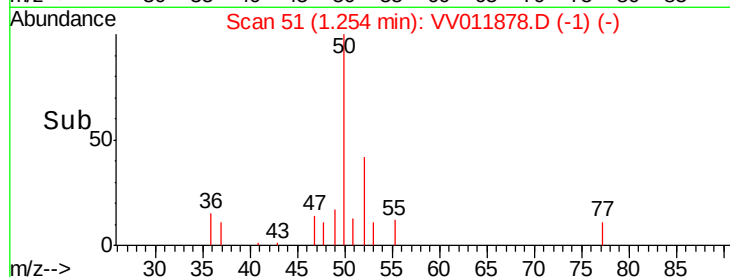
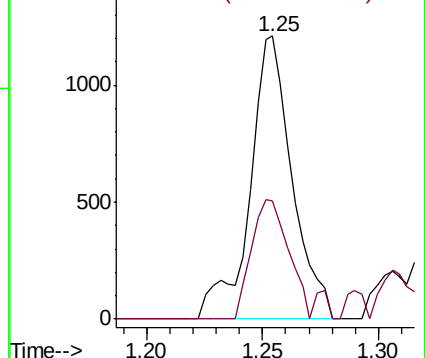
50 100

52 41.6 22.0 41.0#



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#13

Acetone

Concen: 8.864 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.02 min

Lab File: VV011878.D

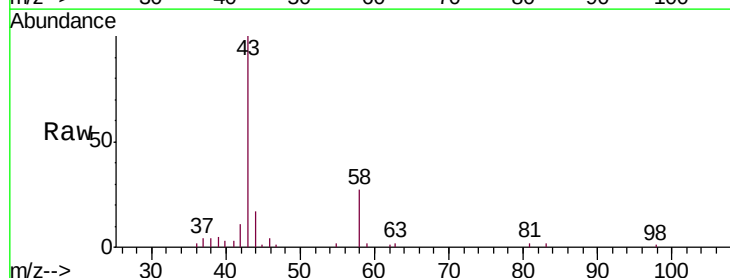
Acq: 12 Jul 2019 20:20

Tgt Ion: 43 Resp: 14336

Ion Ratio Lower Upper

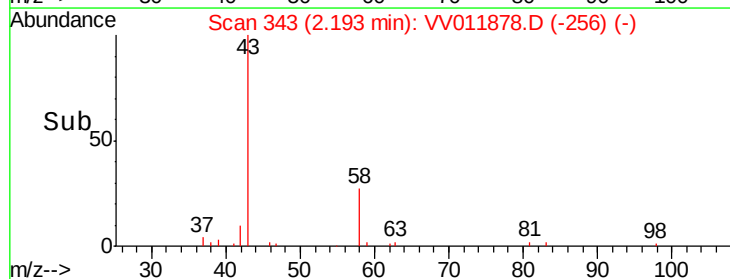
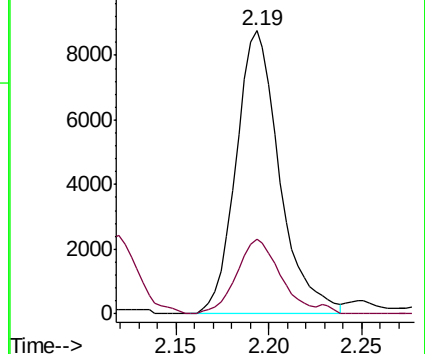
43 100

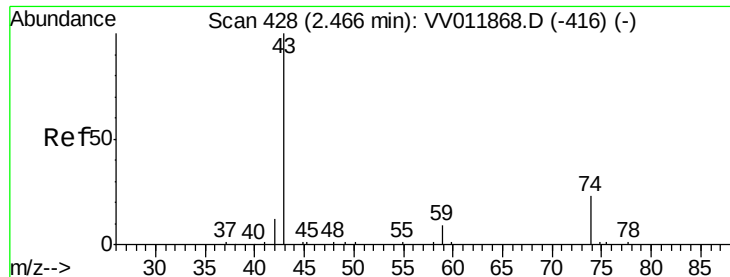
58 26.5 0.0 58.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

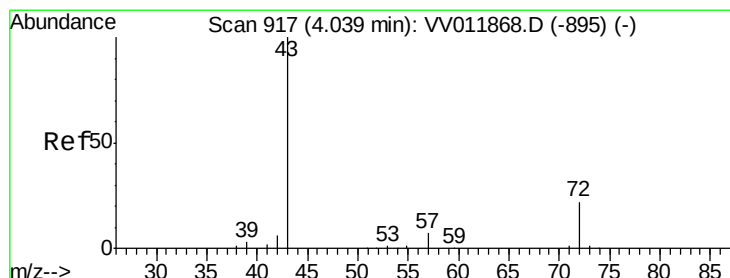
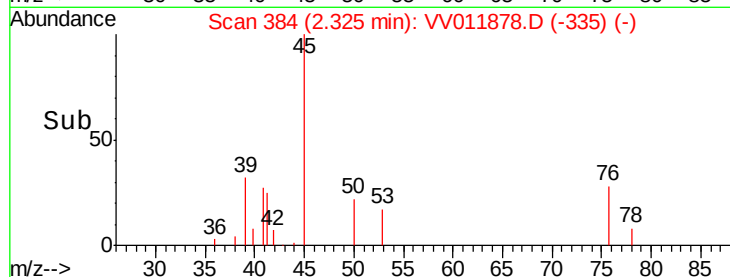
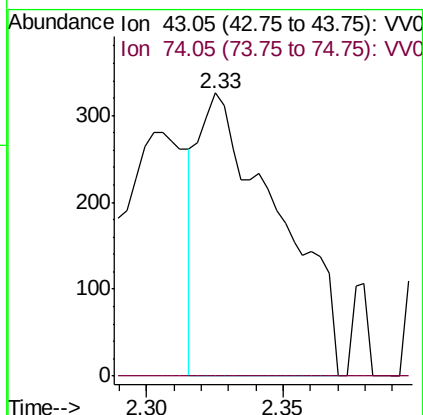
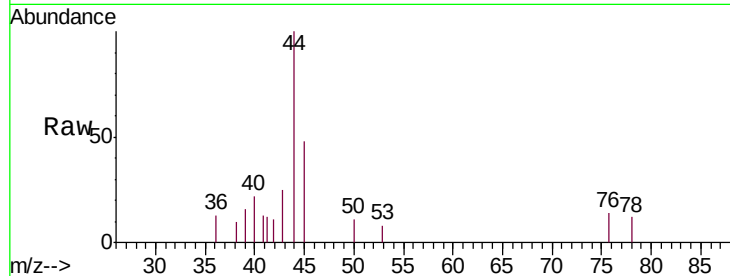




#15
Methyl Acetate
Concen: 0.172 ug/L
RT: 2.33 min Scan# 384
Delta R.T. -0.14 min
Lab File: VV011878.D
Acq: 12 Jul 2019 20:20

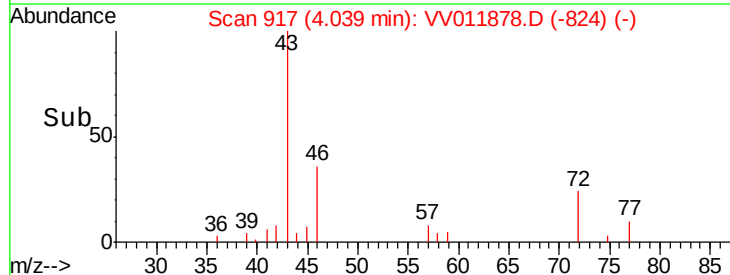
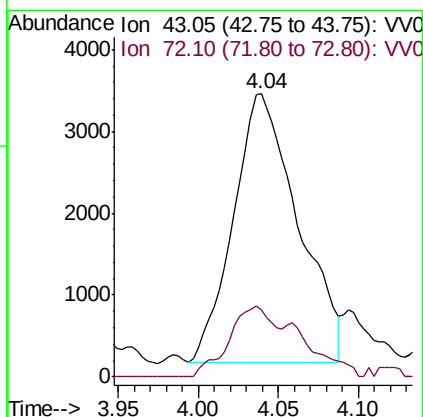
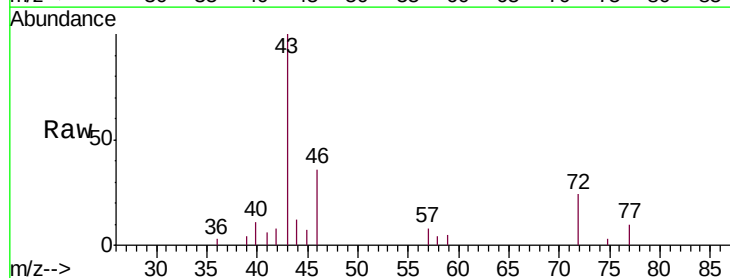
Instrument :
MSVOA_V
ClientSampleId :
A52P8

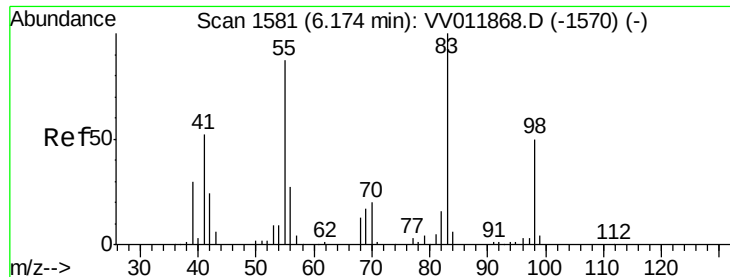
Tgt Ion: 43 Resp: 661
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#



#21
2-Butanone
Concen: 3.098 ug/L
RT: 4.04 min Scan# 917
Delta R.T. 0.00 min
Lab File: VV011878.D
Acq: 12 Jul 2019 20:20

Tgt Ion: 43 Resp: 9088
Ion Ratio Lower Upper
43 100
72 18.9 12.2 36.4

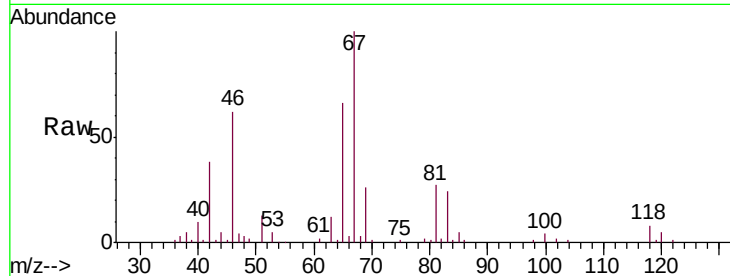




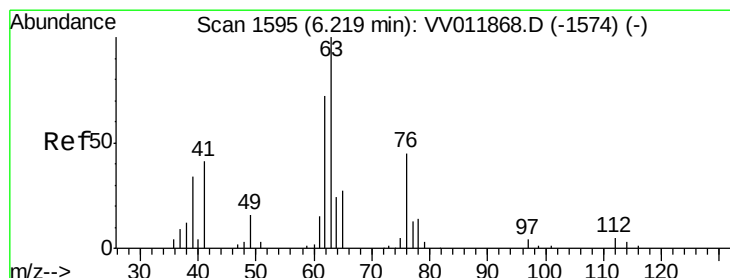
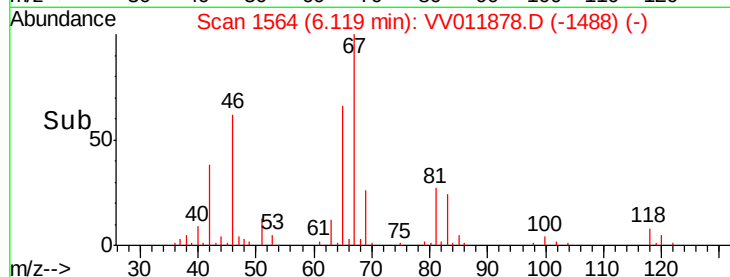
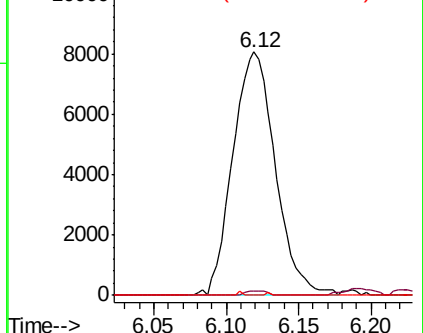
#35
Methylcyclohexane
Concen: 0.816 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.05 min
Lab File: VV011878.D
Acq: 12 Jul 2019 20:20

Instrument :
MSVOA_V
ClientSampleId :
A52P8

Tgt Ion: 83 Resp: 16414
Ion Ratio Lower Upper
83 100
55 0.9 63.6 95.4#
98 0.0 39.1 58.7#

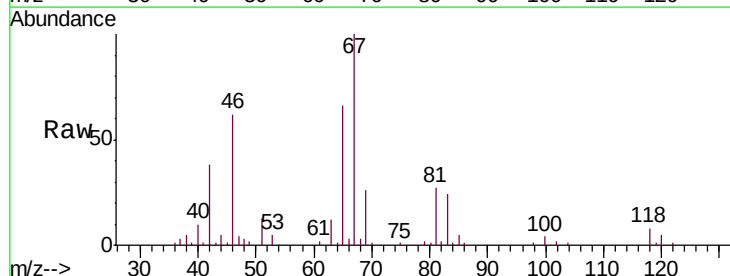


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

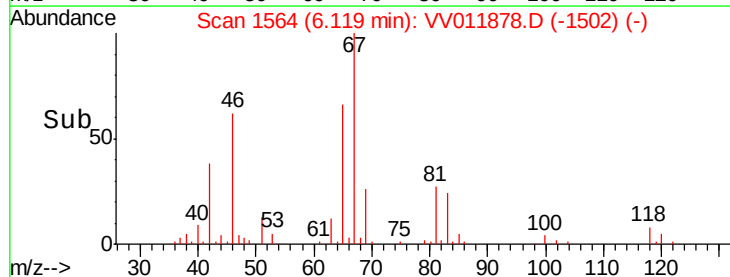
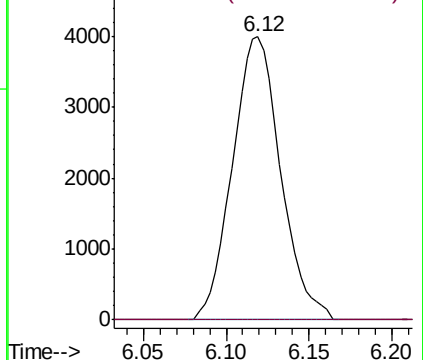


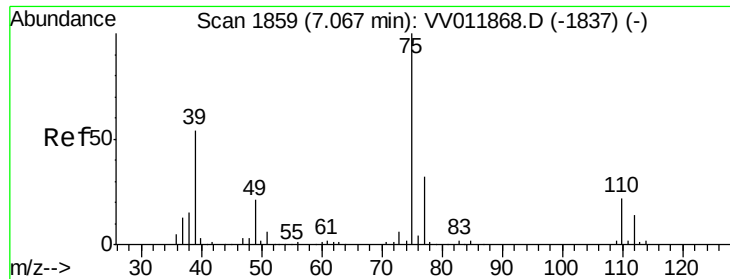
#37
1,2-Dichloropropane
Concen: 0.673 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.10 min
Lab File: VV011878.D
Acq: 12 Jul 2019 20:20

Tgt Ion: 63 Resp: 8086
Ion Ratio Lower Upper
63 100
112 0.0 4.2 6.2#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V





#39

cis-1,3-Dichloropropene

Concen: 0.106 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV011878.D

Acq: 12 Jul 2019 20:20

Instrument :

MSVOA_V

ClientSampleId :

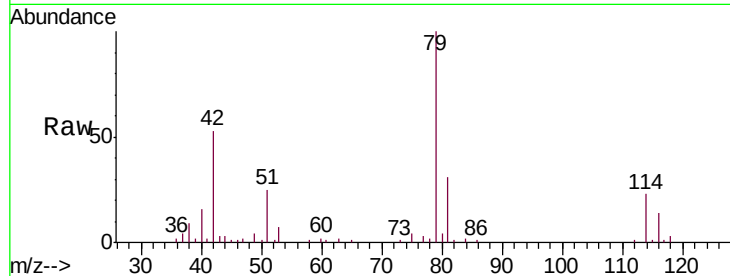
A52P8

Tgt Ion: 75 Resp: 1738

Ion Ratio Lower Upper

75 100

77 74.2 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.03

800

600

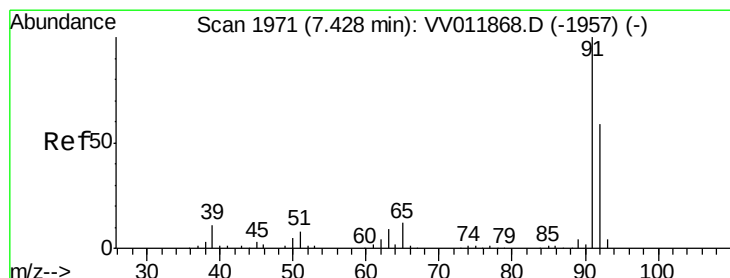
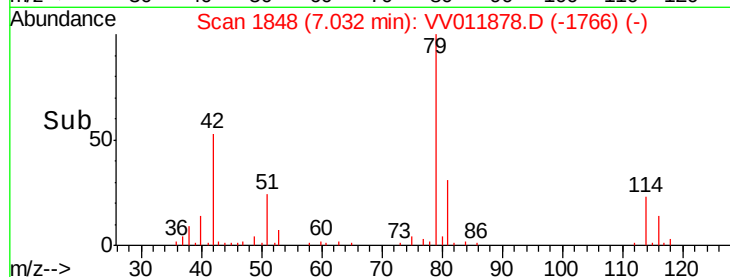
400

200

0

7.00 7.05

Time-->



#42

Toluene

Concen: 0.766 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VV011878.D

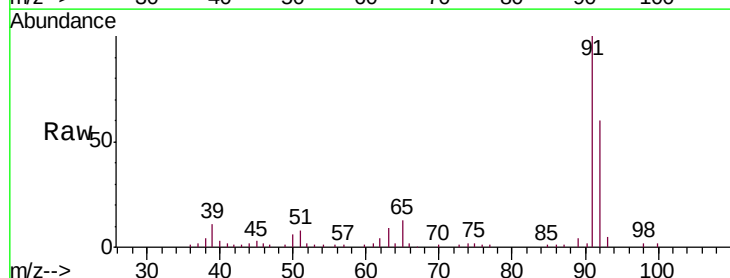
Acq: 12 Jul 2019 20:20

Tgt Ion: 91 Resp: 38583

Ion Ratio Lower Upper

91 100

92 60.0 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

25000

20000

15000

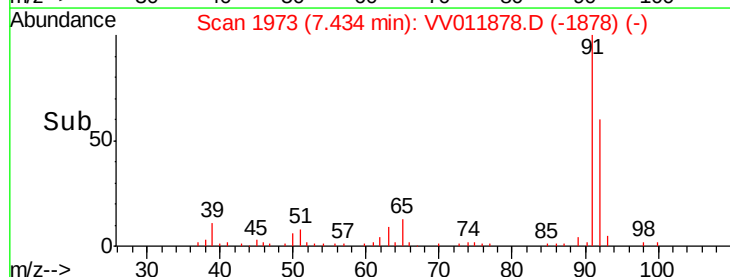
10000

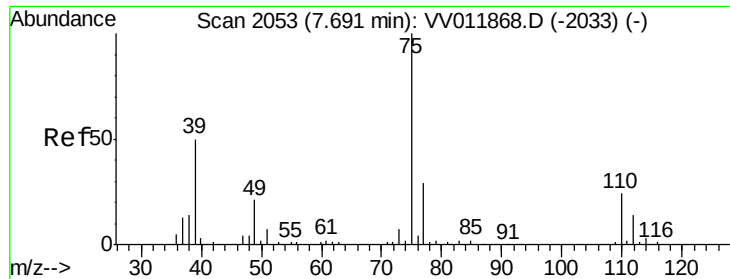
5000

0

7.35 7.40 7.45 7.50

Time-->





#44

trans-1,3-Dichloropropene

Concen: 0.086 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV011878.D

Acq: 12 Jul 2019 20:20

Instrument :

MSVOA_V

ClientSampleId :

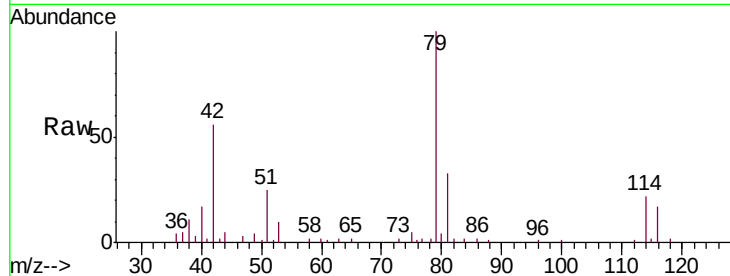
A52P8

Tgt Ion: 75 Resp: 1101

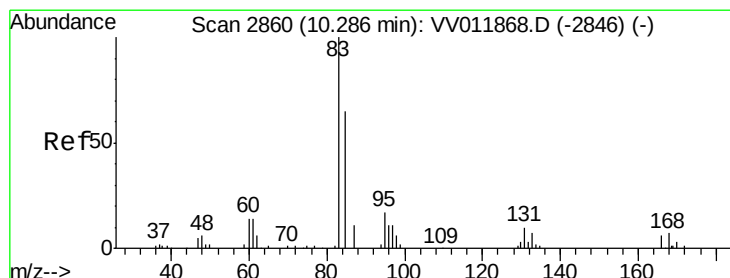
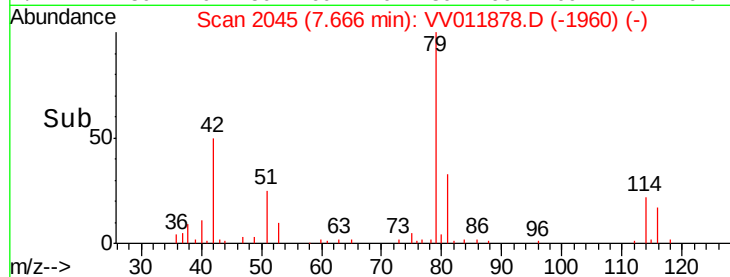
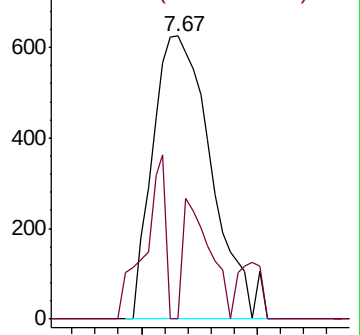
Ion Ratio Lower Upper

75 100

77 0.0 21.6 40.0#



Abundance Ion 75.05 (74.75 to 75.75): VV0



#58

1,1,2,2-Tetrachloroethane

Concen: 0.066 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.02 min

Lab File: VV011878.D

Acq: 12 Jul 2019 20:20

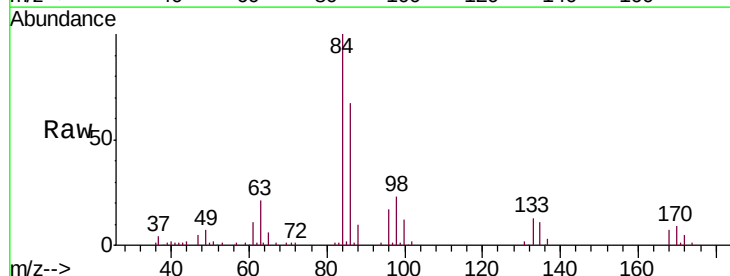
Tgt Ion: 83 Resp: 522

Ion Ratio Lower Upper

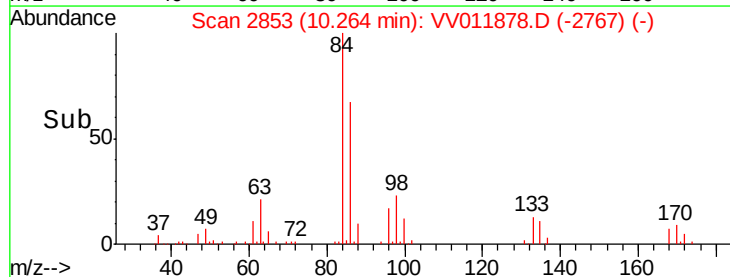
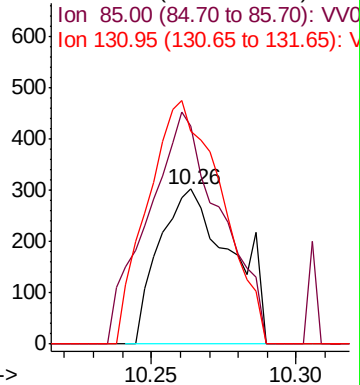
83 100

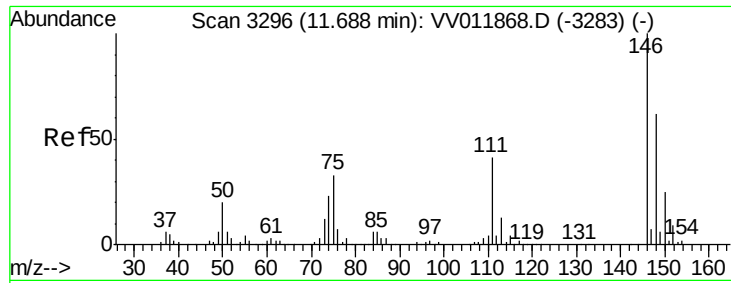
85 140.7 45.0 83.6#

131 137.4 8.3 12.5#



Abundance Ion 82.95 (82.65 to 83.65): VV0

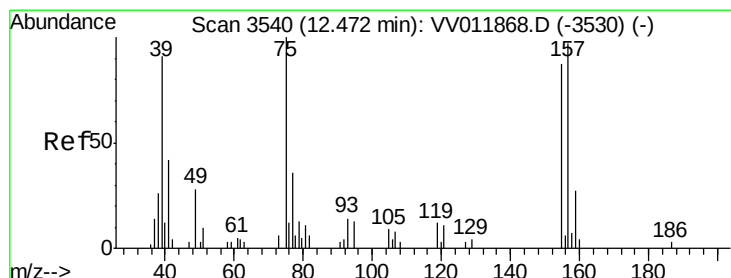
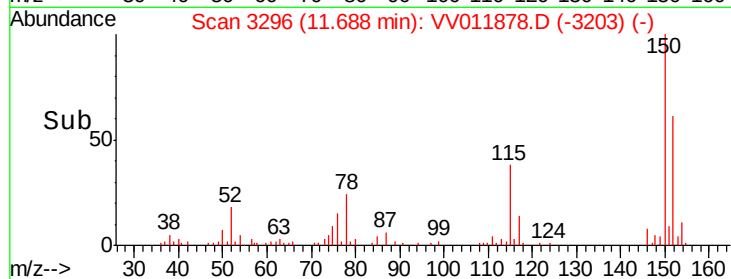
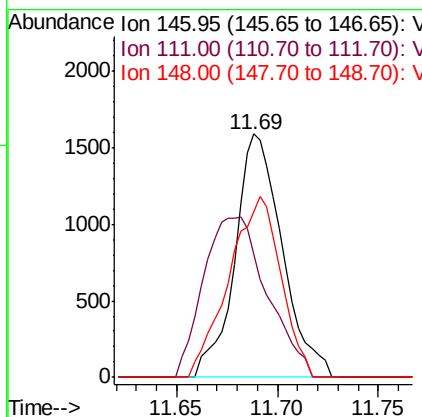
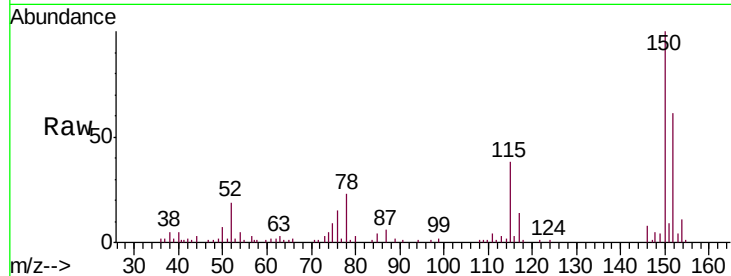




#65
 1,2-Dichlorobenzene
 Concen: 0.123 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV011878.D
 Acq: 12 Jul 2019 20:20

Instrument :
 MSVOA_V
 ClientSampleId :
 A52P8

Tgt Ion: 146 Resp: 2607
 Ion Ratio Lower Upper
 146 100
 111 50.6 34.7 52.1
 148 67.8 51.4 77.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.972 ug/L
 RT: 12.44 min Scan# 3531
 Delta R.T. -0.03 min
 Lab File: VV011878.D
 Acq: 12 Jul 2019 20:20

Tgt Ion: 75 Resp: 2579
 Ion Ratio Lower Upper
 75 100
 155 0.0 68.7 103.1#
 157 7.2 80.2 120.2#

