

Data File : VV011871.D
Acq On : 12 Jul 2019 17:29
Operator : SY/MD
Sample : K3772-17
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A52S2

Quant Time: Jul 13 04:23:52 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	160544	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	154815	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	70957	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	63312	5.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.00%
7) Chloroethane-d5	1.58	69	52138	5.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.40%
11) 1,1-Dichloroethene-d2	2.13	63	70465	3.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.00%
20) 2-Butanone-d5	3.94	46	148747	58.75	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.50%
24) Chloroform-d	4.40	84	112465	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
26) 1,2-Dichloroethane-d4	5.08	65	61344	5.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.60%
32) Benzene-d6	5.10	84	235253	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.40%
36) 1,2-Dichloropropane-d6	6.12	67	70561	5.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.40%
41) Toluene-d8	7.36	98	203666	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
43) trans-1,3-Dichloropropene-	7.67	79	23146	4.81	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.20%
46) 2-Hexanone-d5	8.14	63	99978	52.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.76%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	37289	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	74411	5.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.40%

Target Compounds

					Qvalue
13) Acetone	2.19	43	123468	79.530 ug/L	94
15) Methyl Acetate	2.19	43	115856	31.392 ug/L #	54
16) Methylene chloride	2.53	84	3034	0.334 ug/L	95
21) 2-Butanone	4.03	43	85164	30.240 ug/L	99
25) Chloroform	4.43	83	2970	0.125 ug/L	93
35) Methylcyclohexane	6.12	83	16567	0.821 ug/L #	18
37) 1,2-Dichloropropane	6.12	63	8910	0.739 ug/L #	85
40) 4-Methyl-2-pentanone	7.28	43	17579	2.451 ug/L #	88
44) trans-1,3-Dichloropropene	7.66	75	1412	0.110 ug/L	95
52) Ethylbenzene	9.05	91	10623	0.190 ug/L	89
53) m,p-xylene	9.18	106	4775	0.231 ug/L	83
54) o-xylene	9.59	106	3088	0.157 ug/L	94
55) Styrene	9.60	104	3592	0.108 ug/L	92
63) 1,4-Dichlorobenzene	11.32	146	3353	0.141 ug/L	92
65) 1,2-Dichlorobenzene	11.69	146	3993	0.184 ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.44	75	4760	3.571 ug/L #	5
69) Naphthalene	13.55	128	65171	3.094 ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071219\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jul 13 04:20:11 2019
Response via : Initial Calibration

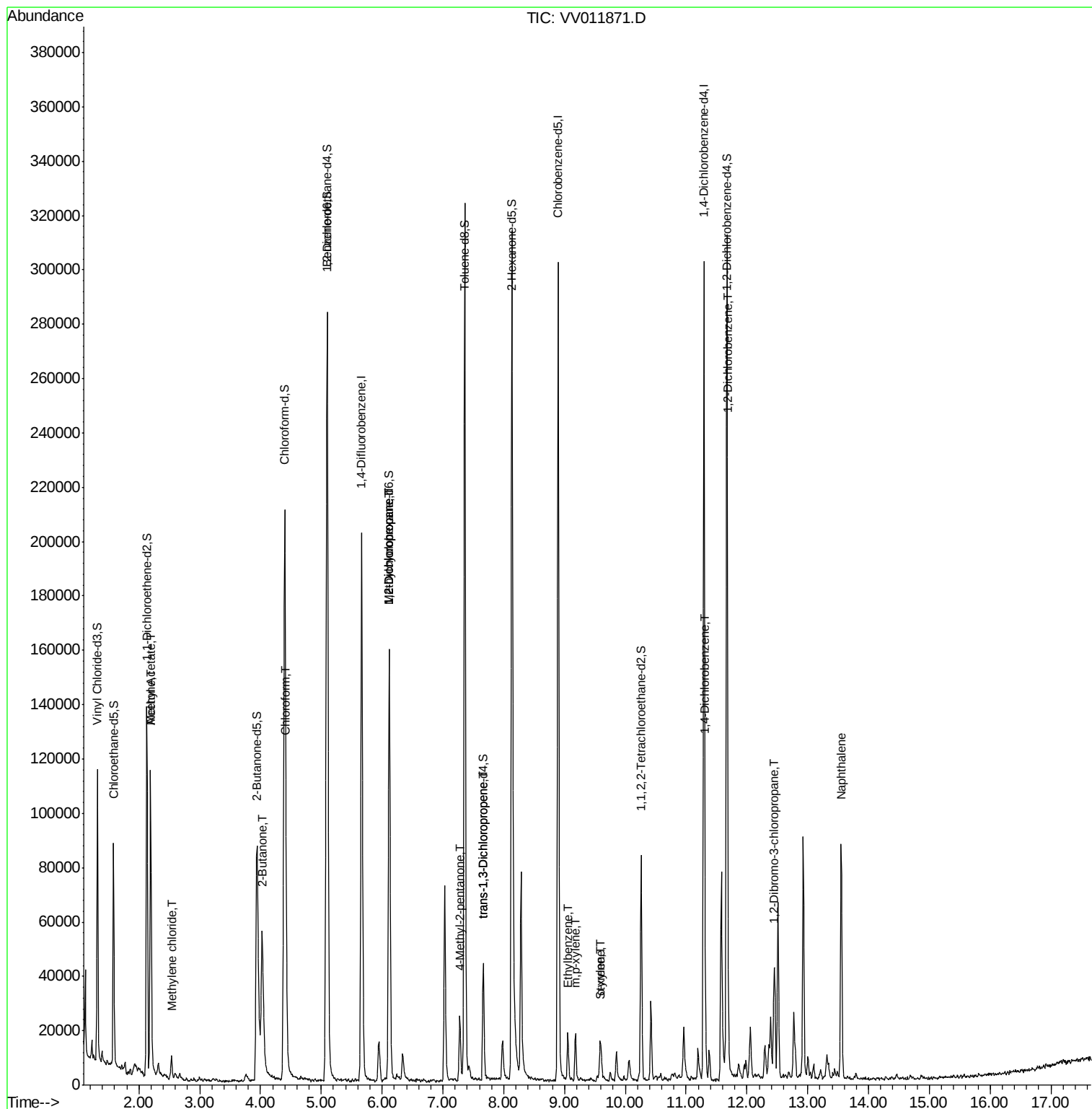
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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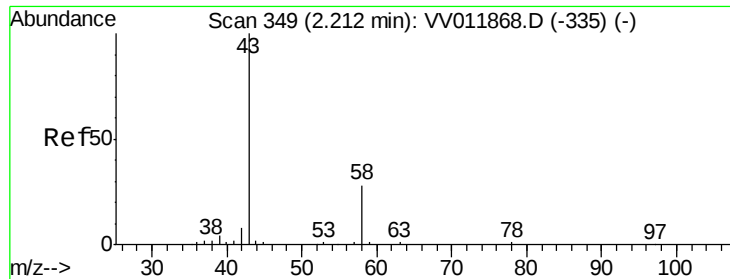
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 79.530 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.02 min

Lab File: VV011871.D

Acq: 12 Jul 2019 17:29

Instrument :

MSVOA_V

ClientSampleId :

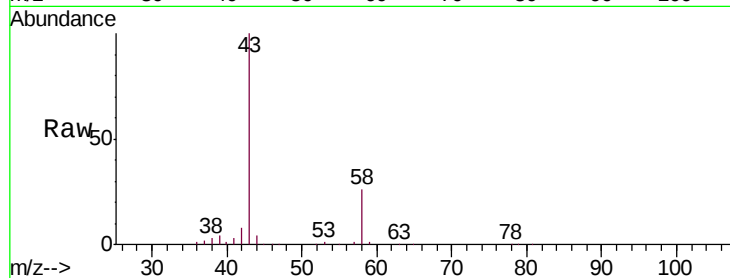
A52S2

Tgt Ion: 43 Resp: 123468

Ion Ratio Lower Upper

43 100

58 25.9 0.0 58.4



Abundance Ion 43.05 (42.75 to 43.75): VV011868.D (-335) (-)

Ion 58.05 (57.75 to 58.75): VV011868.D (-335) (-)

80000

60000

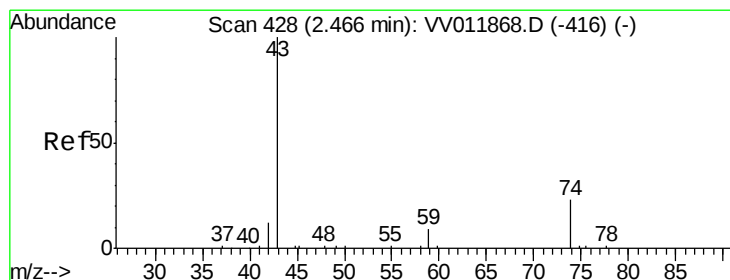
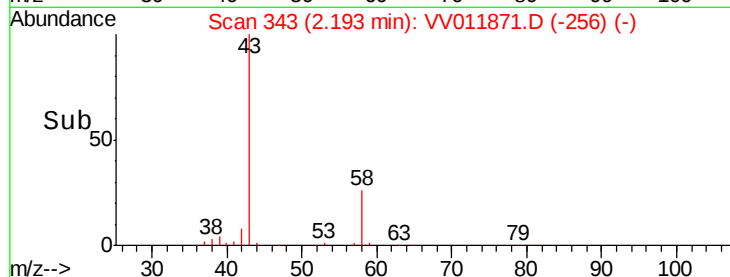
40000

20000

0

2.10 2.20 2.30

Time-->



#15

Methyl Acetate

Concen: 31.392 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.27 min

Lab File: VV011871.D

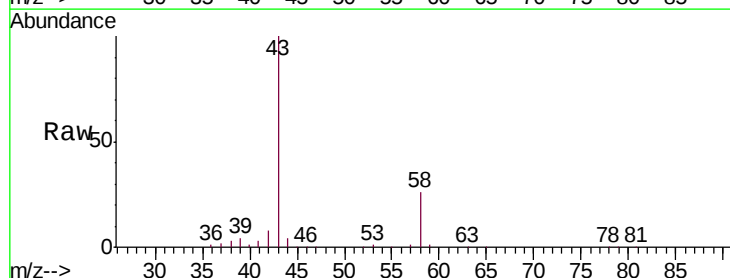
Acq: 12 Jul 2019 17:29

Tgt Ion: 43 Resp: 115856

Ion Ratio Lower Upper

43 100

74 0.0 17.4 26.0#



Abundance Ion 43.05 (42.75 to 43.75): VV011868.D (-416) (-)

Ion 74.05 (73.75 to 74.75): VV011868.D (-416) (-)

80000

60000

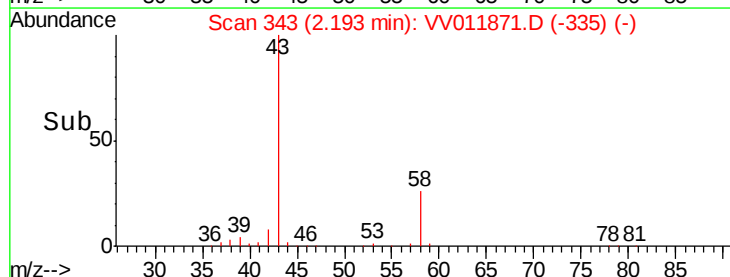
40000

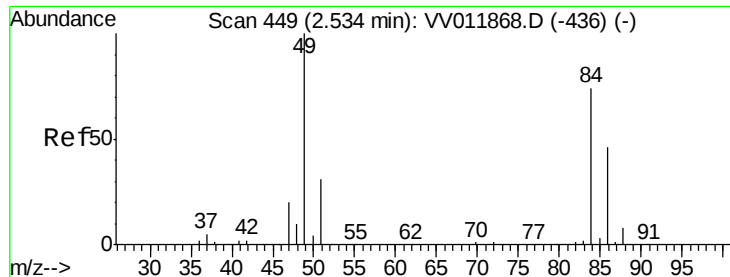
20000

0

2.15 2.20 2.25 2.30

Time-->

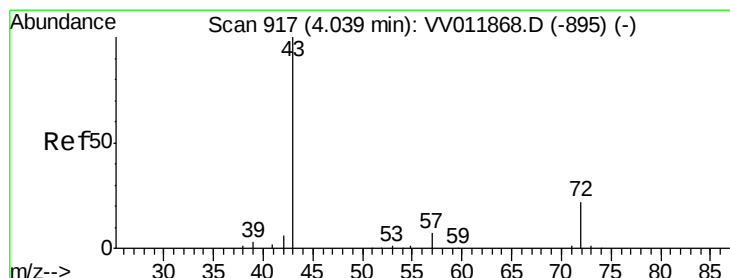
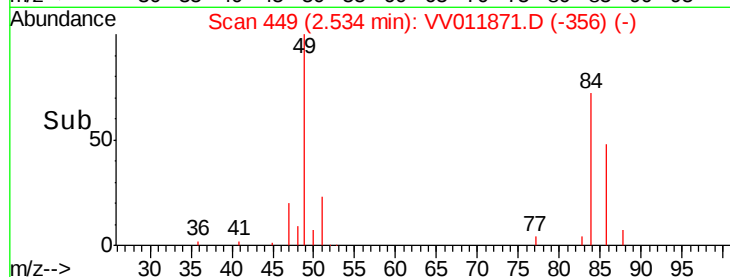
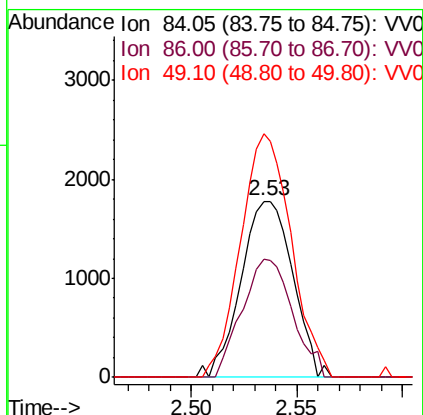
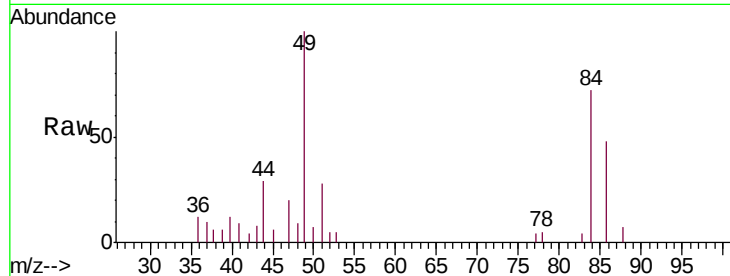




#16
Methylene chloride
Concen: 0.334 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV011871.D
Acq: 12 Jul 2019 17:29

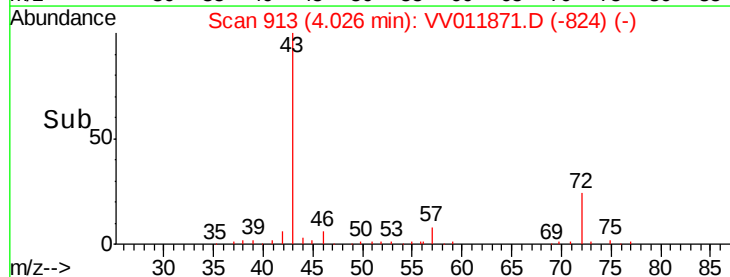
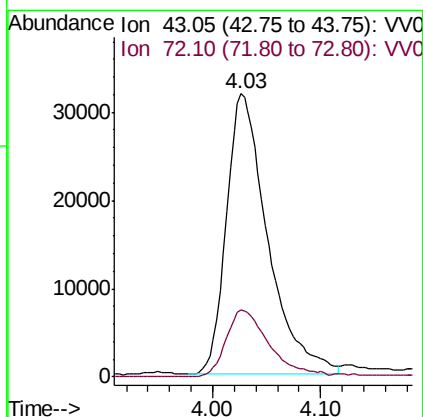
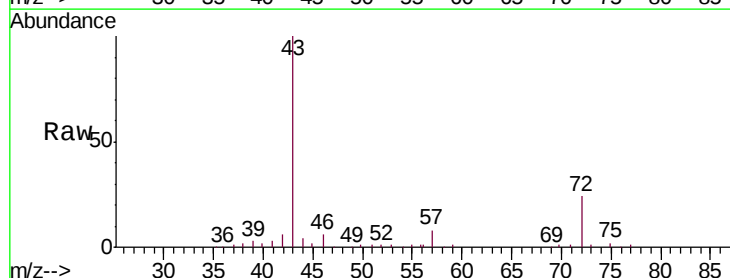
Instrument :
MSVOA_V
ClientSampleId :
A52S2

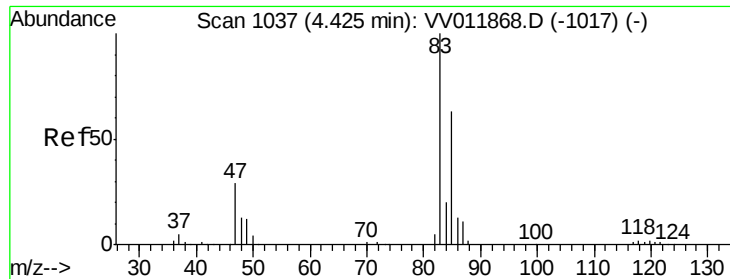
Tgt Ion: 84 Resp: 3034
Ion Ratio Lower Upper
84 100
86 66.9 43.9 81.5
49 138.0 92.6 172.0



#21
2-Butanone
Concen: 30.240 ug/L
RT: 4.03 min Scan# 913
Delta R.T. -0.01 min
Lab File: VV011871.D
Acq: 12 Jul 2019 17:29

Tgt Ion: 43 Resp: 85164
Ion Ratio Lower Upper
43 100
72 24.9 12.2 36.4

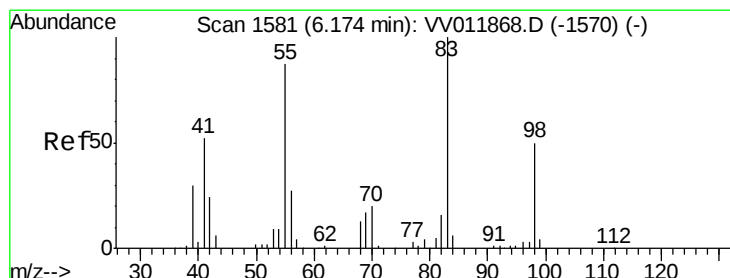
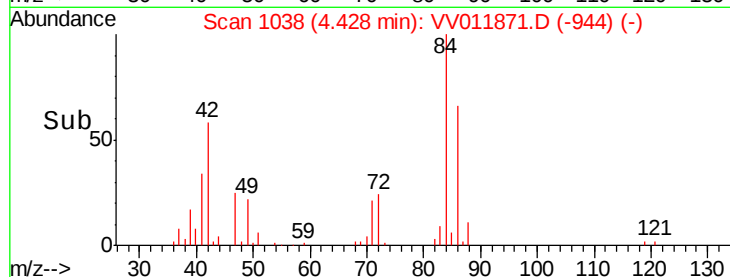
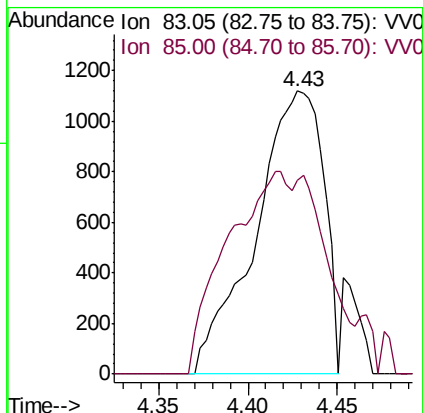
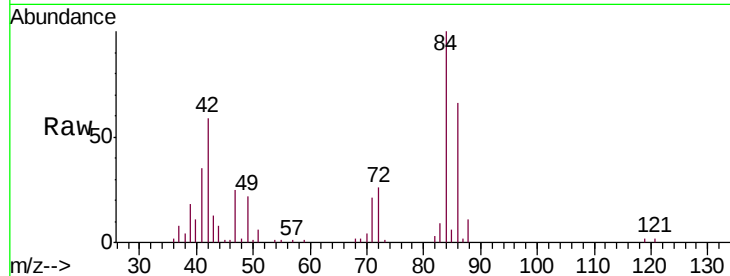




#25
Chloroform
Concen: 0.125 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV011871.D
Acq: 12 Jul 2019 17:29

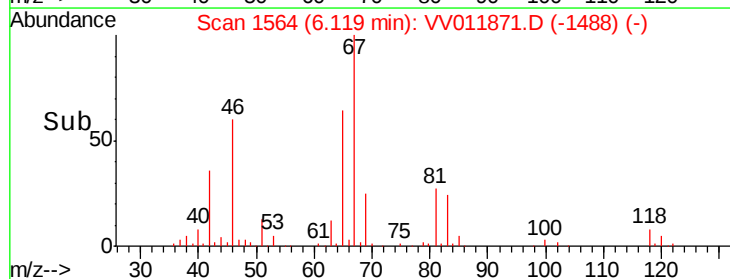
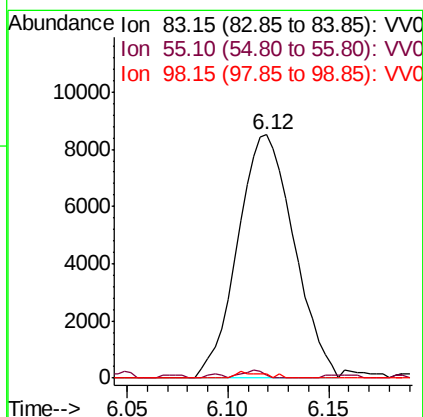
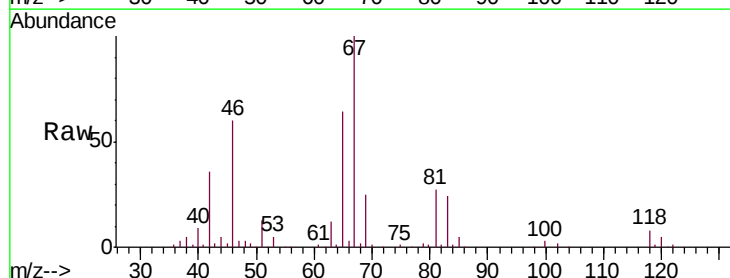
Instrument :
MSVOA_V
ClientSampleId :
A52S2

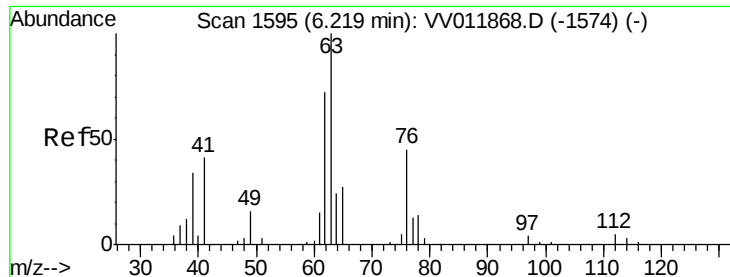
Tgt Ion: 83 Resp: 2970
Ion Ratio Lower Upper
83 100
85 68.3 43.8 81.4



#35
Methylcyclohexane
Concen: 0.821 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.05 min
Lab File: VV011871.D
Acq: 12 Jul 2019 17:29

Tgt Ion: 83 Resp: 16567
Ion Ratio Lower Upper
83 100
55 1.2 63.6 95.4#
98 1.2 39.1 58.7#

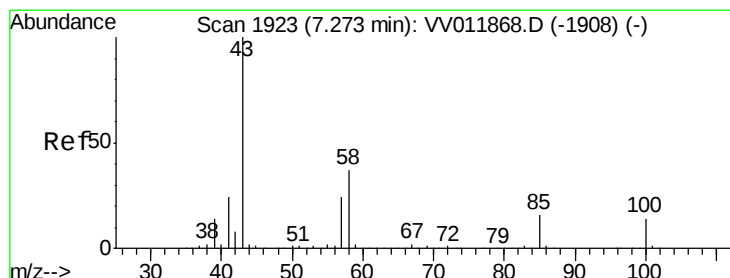
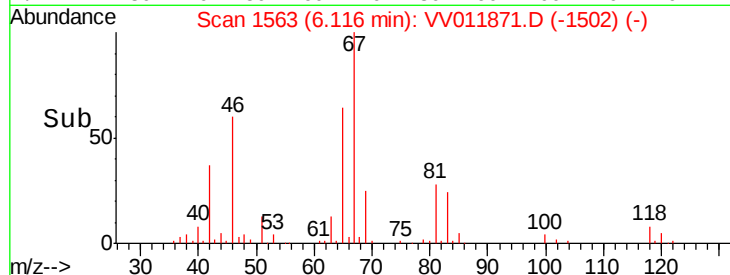
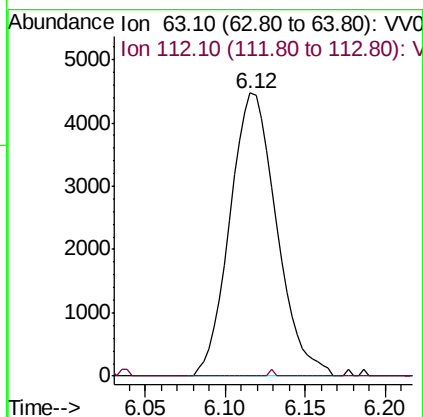
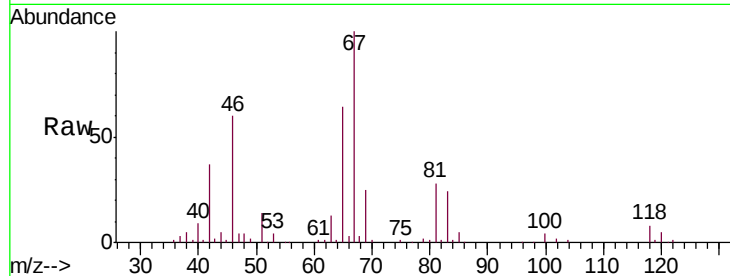




#37
 1,2-Dichloropropane
 Concen: 0.739 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV011871.D
 Acq: 12 Jul 2019 17:29

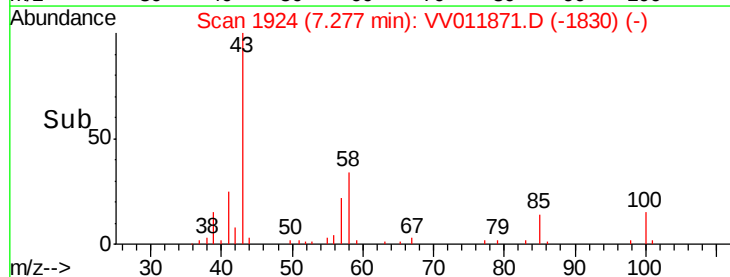
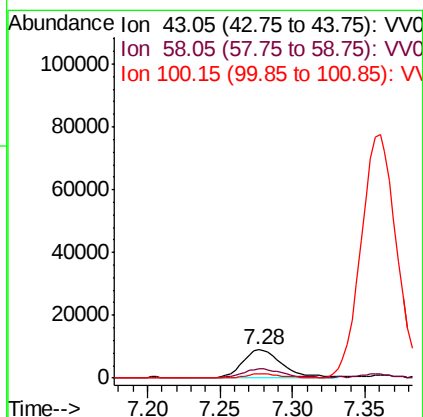
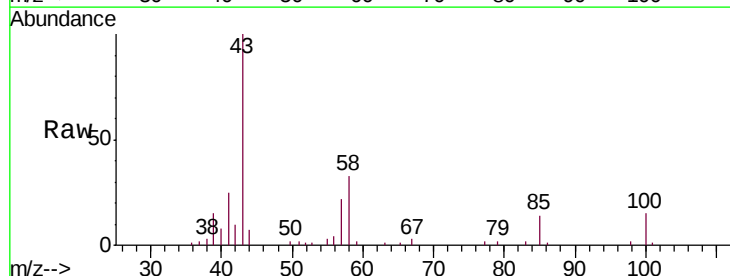
Instrument :
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 ClientSampleId :
 A52S2

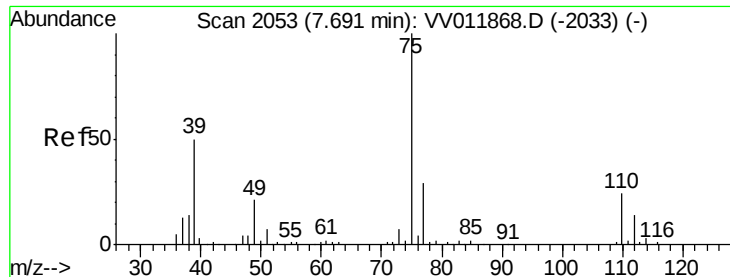
Tgt Ion: 63 Resp: 8910
 Ion Ratio Lower Upper
 63 100
 112 0.2 4.2 6.2#



#40
 4-Methyl-2-pentanone
 Concen: 2.451 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV011871.D
 Acq: 12 Jul 2019 17:29

Tgt Ion: 43 Resp: 17579
 Ion Ratio Lower Upper
 43 100
 58 34.1 29.1 43.7
 100 0.0 11.2 16.8#





#44

trans-1,3-Dichloropropene

Concen: 0.110 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV011871.D

Acq: 12 Jul 2019 17:29

Instrument :

MSVOA_V

ClientSampleId :

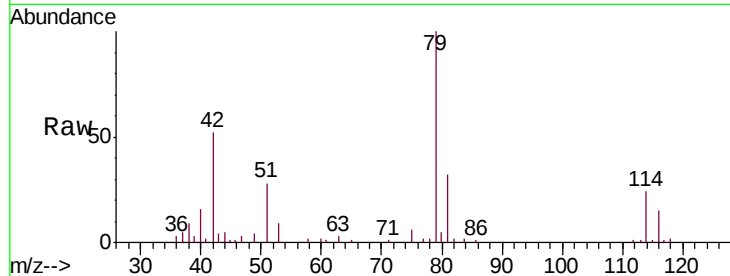
A52S2

Tgt Ion: 75 Resp: 1412

Ion Ratio Lower Upper

75 100

77 33.8 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

800

600

400

200

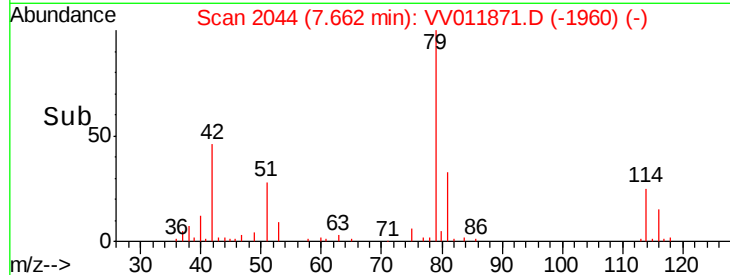
0

7.60

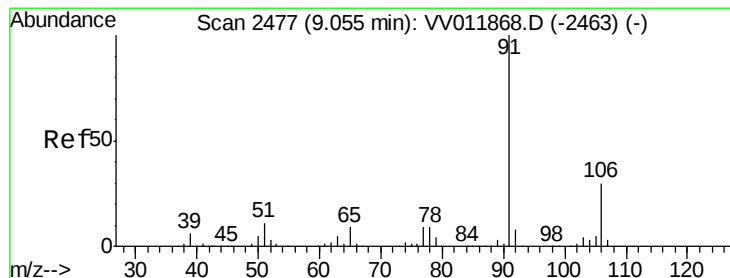
7.65

7.70

7.75



Time-->



#52

Ethylbenzene

Concen: 0.190 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV011871.D

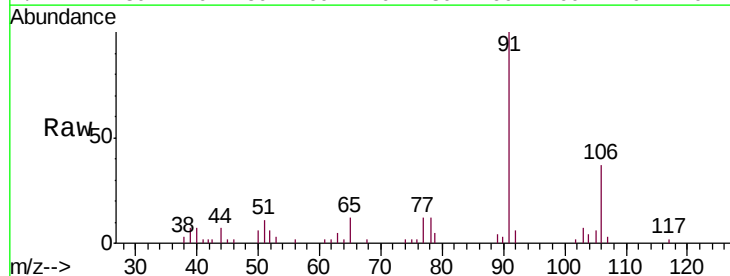
Acq: 12 Jul 2019 17:29

Tgt Ion: 91 Resp: 10623

Ion Ratio Lower Upper

91 100

106 37.0 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 106.15 (105.85 to 106.85): V

6000

4000

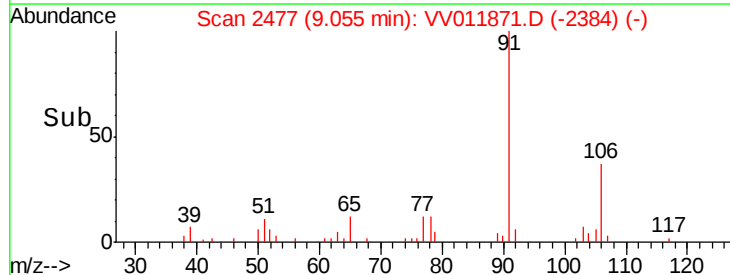
2000

0

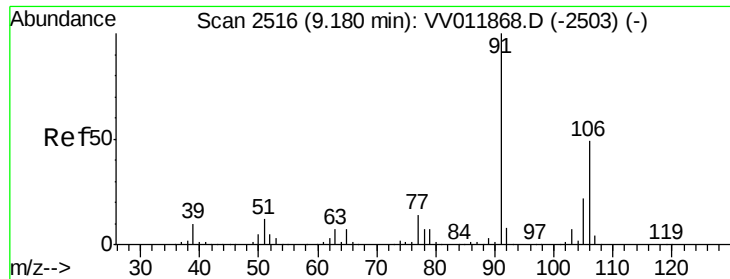
9.00

9.05

9.10



Time-->



#53

m,p-xylene

Concen: 0.231 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV011871.D

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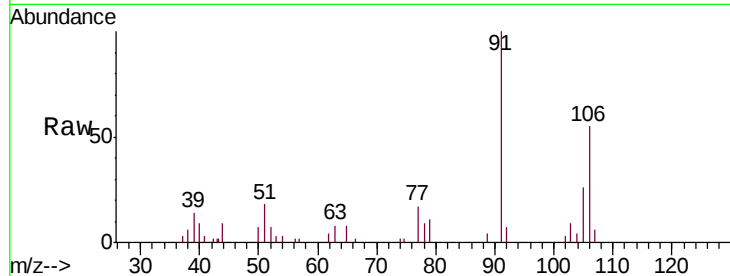
A52S2

Tgt Ion:106 Resp: 4775

Ion Ratio Lower Upper

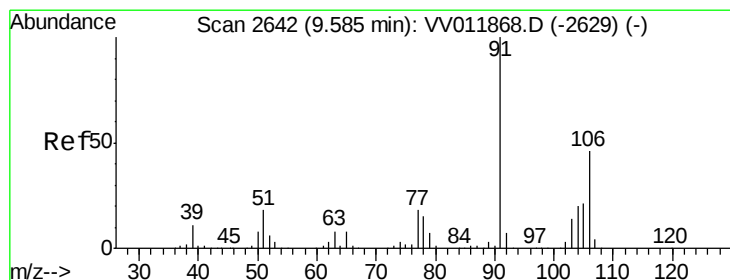
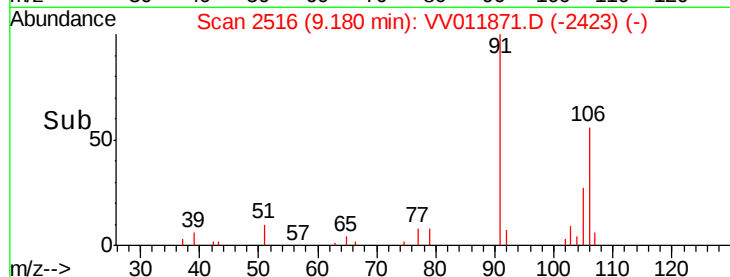
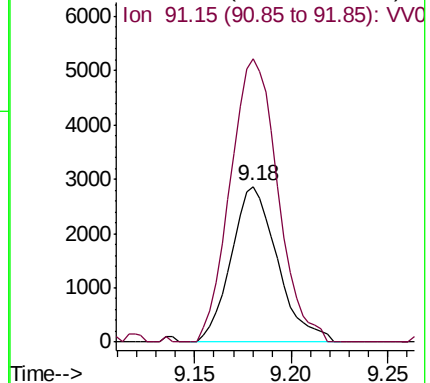
106 100

91 181.5 145.0 269.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#54

o-xylene

Concen: 0.157 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV011871.D

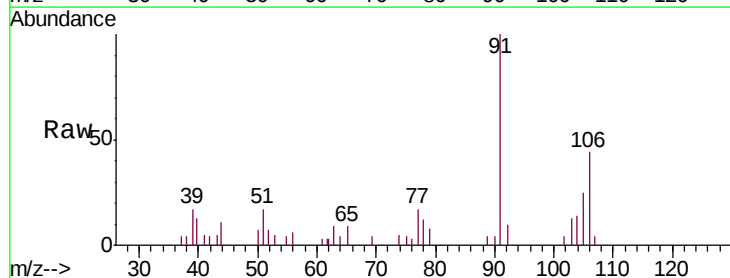
Acq: 12 Jul 2019 17:29

Tgt Ion:106 Resp: 3088

Ion Ratio Lower Upper

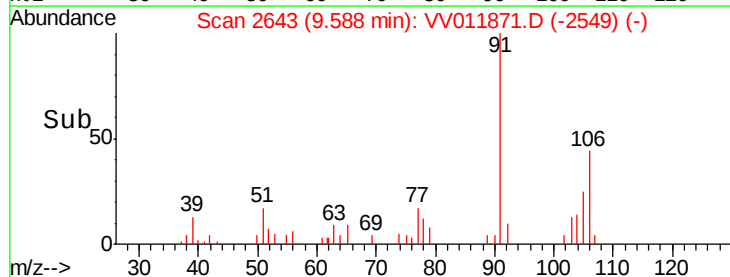
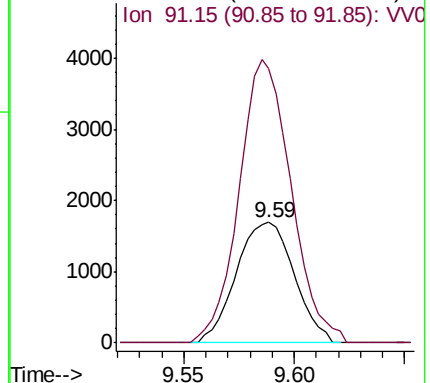
106 100

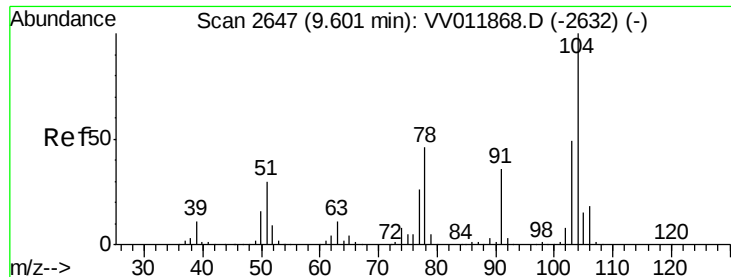
91 228.0 152.9 283.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#55

Styrene

Concen: 0.108 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV011871.D

Acq: 12 Jul 2019 17:29

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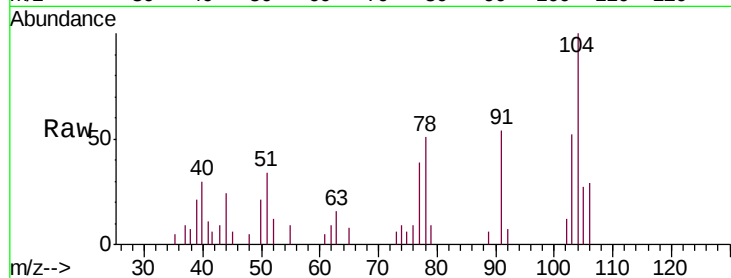
A52S2

Tgt Ion:104 Resp: 3592

Ion Ratio Lower Upper

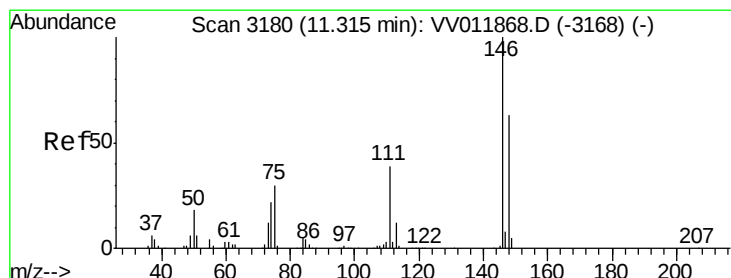
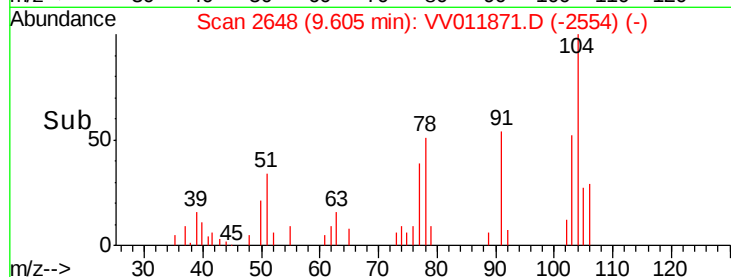
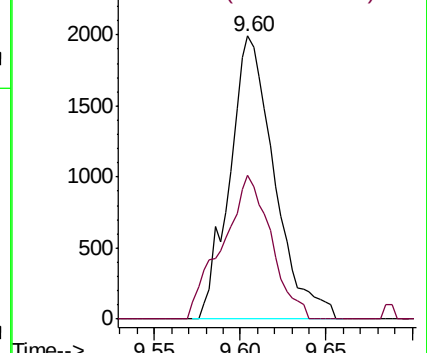
104 100

78 50.9 32.1 59.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0



#63

1,4-Dichlorobenzene

Concen: 0.141 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV011871.D

Acq: 12 Jul 2019 17:29

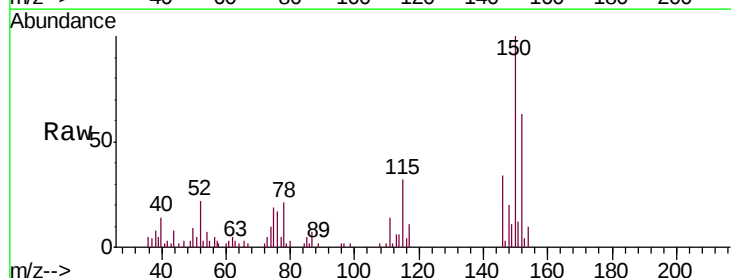
Tgt Ion:146 Resp: 3353

Ion Ratio Lower Upper

146 100

111 40.9 26.6 49.4

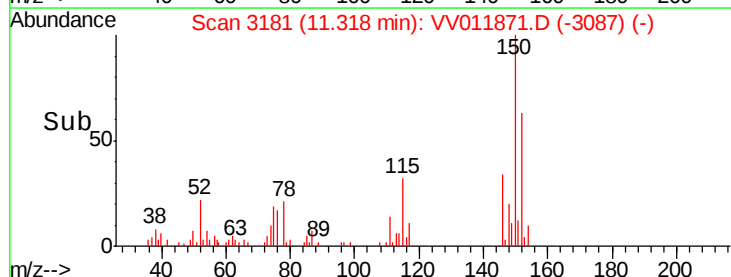
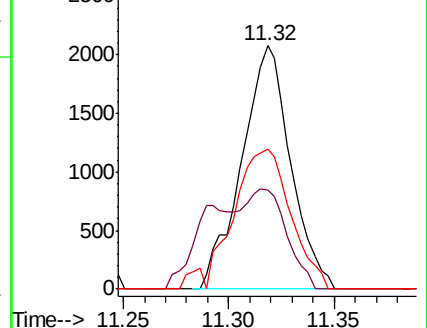
148 57.6 46.0 85.4

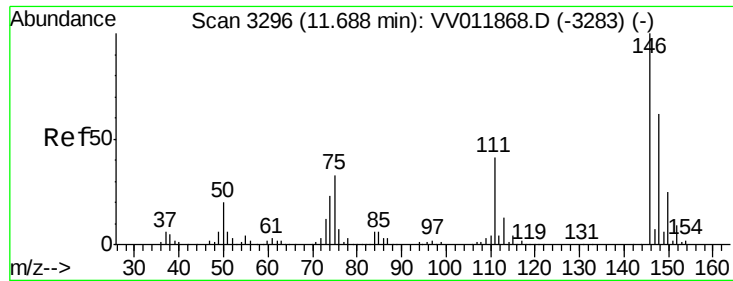


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

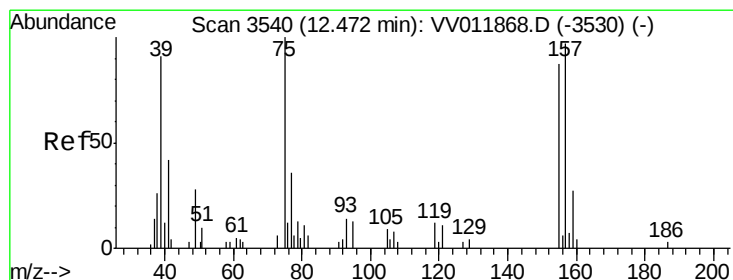
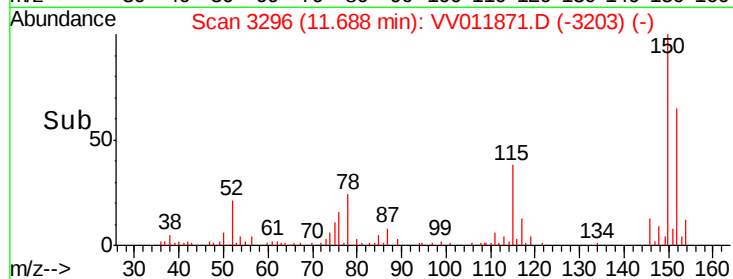
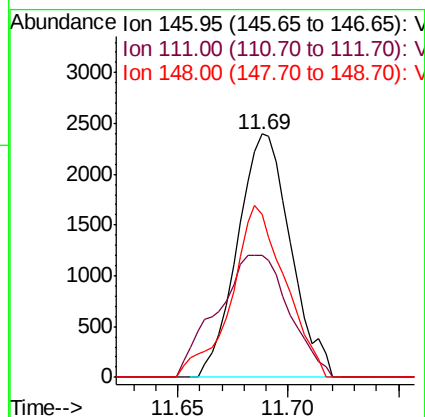
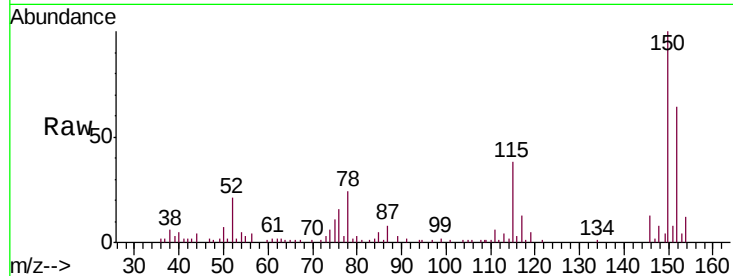




#65
 1,2-Dichlorobenzene
 Concen: 0.184 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV011871.D
 Acq: 12 Jul 2019 17:29

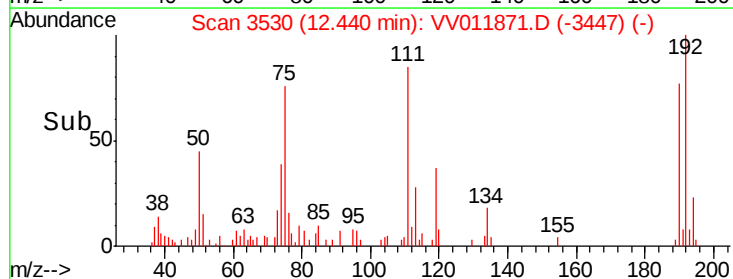
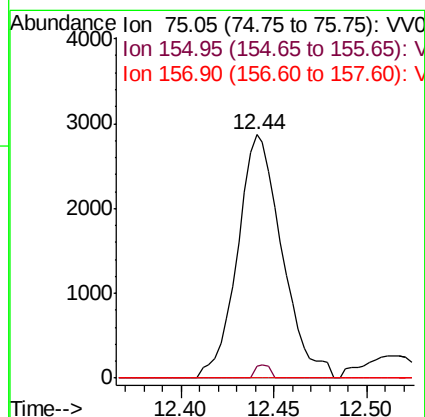
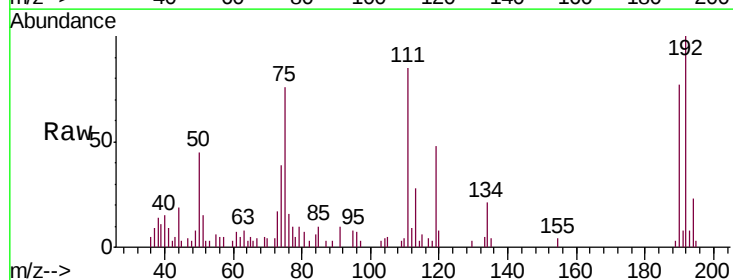
Instrument :
 MSVOA_V
 ClientSampleId :
 A52S2

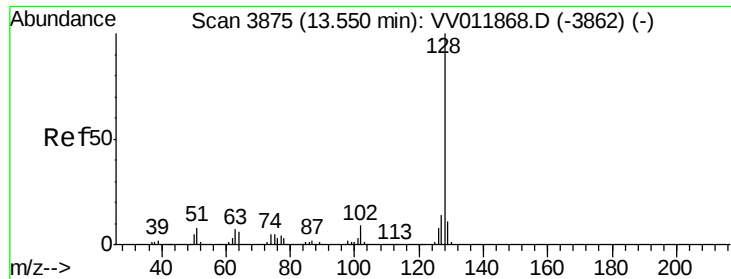
Tgt Ion: 146 Resp: 3993
 Ion Ratio Lower Upper
 146 100
 111 50.0 34.7 52.1
 148 66.7 51.4 77.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.571 ug/L
 RT: 12.44 min Scan# 3530
 Delta R.T. -0.03 min
 Lab File: VV011871.D
 Acq: 12 Jul 2019 17:29

Tgt Ion: 75 Resp: 4760
 Ion Ratio Lower Upper
 75 100
 155 5.1 68.7 103.1#
 157 0.0 80.2 120.2#





#69

Naphthalene

Concen: 3.094 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV011871.D

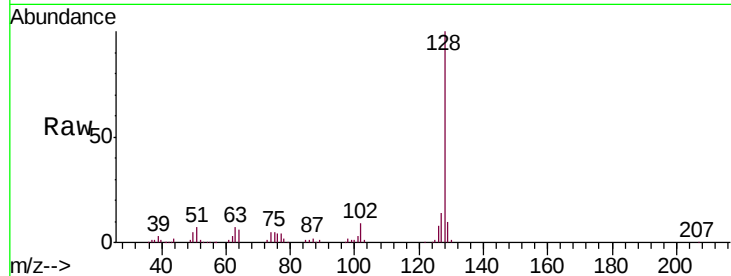
Acq: 12 Jul 2019 17:29

Instrument :

MSVOA_V

ClientSampleId :

A52S2



Tgt Ion:128 Resp: 65171

Ion Ratio Lower Upper

128 100

129 11.3 8.6 13.0

127 13.2 10.5 15.7

