

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092718\
 Data File : VV007933.D
 Acq On : 28 Sep 2018 03:08
 Operator : SY/MD
 Sample : J5062-03MSD
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 28 03:48:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 28 03:46:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	88440	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	83576	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	40707	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	20666	4.36	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.20%
7) Chloroethane-d5	1.59	69	20401	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.60%
11) 1,1-Dichloroethene-d2	2.14	63	50237	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.80%
20) 2-Butanone-d5	3.96	46	67512	47.34	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.68%
24) Chloroform-d	4.41	84	51280	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	5.09	65	28568	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
32) Benzene-d6	5.10	84	98213	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
36) 1,2-Dichloropropane-d6	6.12	67	31353	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.20%
41) Toluene-d8	7.36	98	91948	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.60%
43) trans-1,3-Dichloropropene-	7.67	79	9872	4.05	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.00%
46) 2-Hexanone-d5	8.14	63	47571	44.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.50%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	22602	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	38828	4.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.60%

Target Compounds

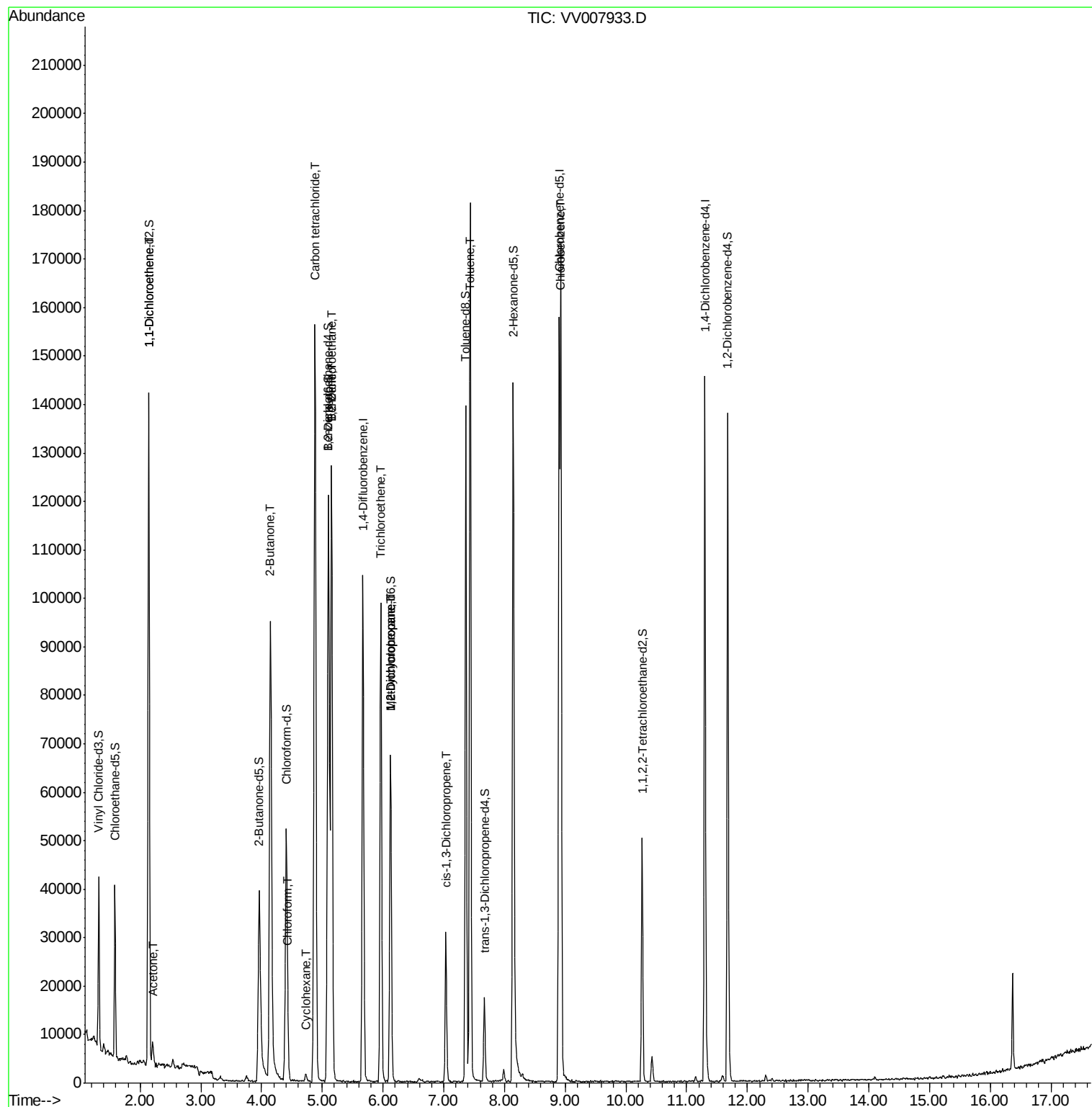
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.14	96	29167	4.989	ug/L	96
13) Acetone	2.21	43	4785	4.605	ug/L	95
21) 2-Butanone	4.14	43	153935	92.991	ug/L #	50
25) Chloroform	4.44	83	1814	0.153	ug/L	97
27) 1,2-Dichloroethane	5.16	62	1201	0.157	ug/L #	77
30) Cyclohexane	4.73	56	823	0.087	ug/L #	93
31) Carbon tetrachloride	4.88	117	114253	12.896	ug/L	99
33) Benzene	5.15	78	121867	5.092	ug/L	100
34) Trichloroethene	5.96	95	32573	4.753	ug/L	98
35) Methylcyclohexane	6.12	83	7857	0.765	ug/L #	23
37) 1,2-Dichloropropane	6.12	63	3880	0.635	ug/L #	87
39) cis-1,3-Dichloropropene	7.04	75	825	0.101	ug/L #	55
42) Toluene	7.44	91	130970	5.025	ug/L	98
51) Chlorobenzene	8.93	112	86804	4.822	ug/L	99

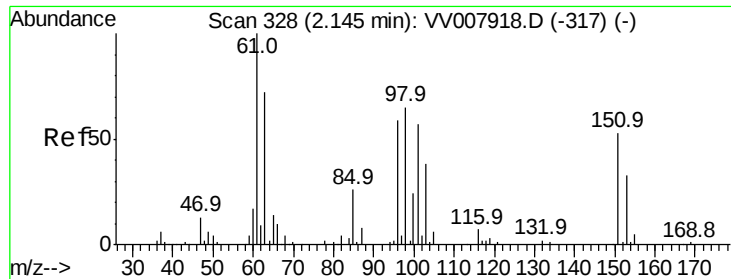
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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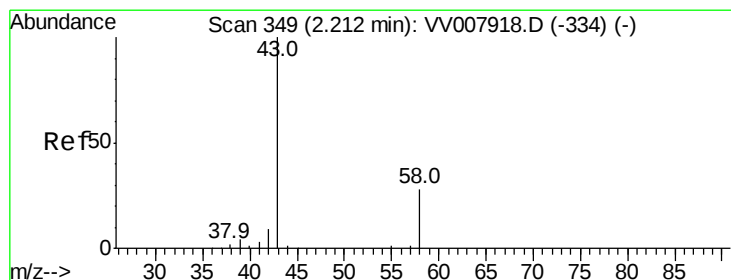
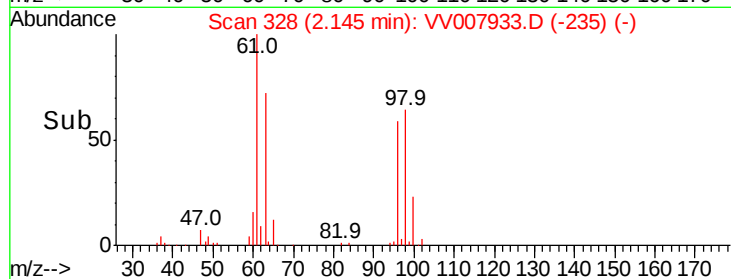
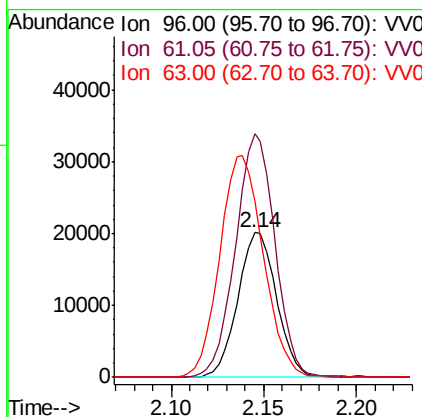
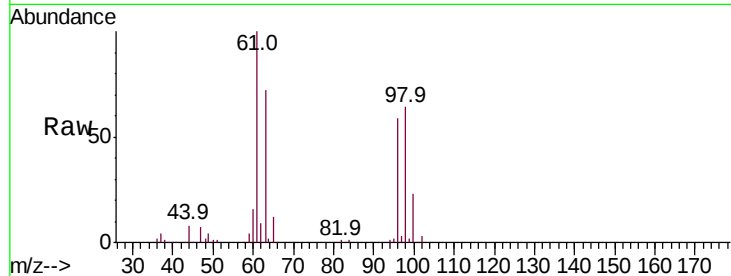




#12
 1,1-Dichloroethene
 Concen: 4.989 ug/L
 RT: 2.14 min Scan# 328
 Delta R.T. -0.00 min
 Lab File: VV007933.D
 Acq: 28 Sep 2018 03:08

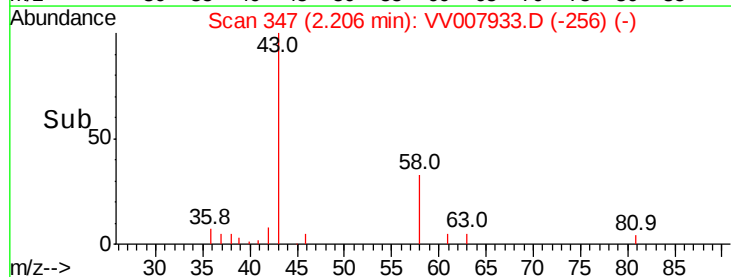
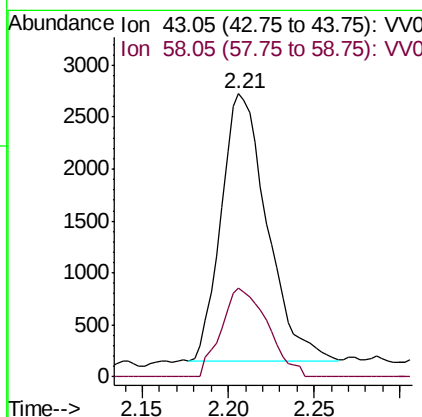
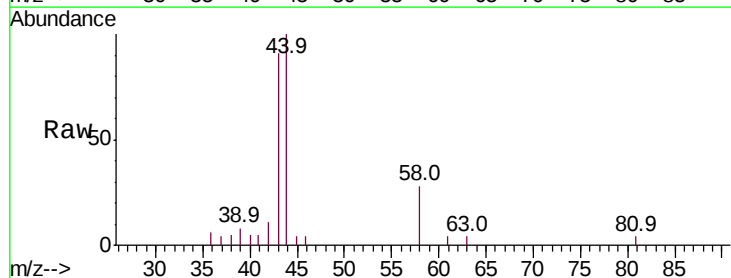
Instrument :
 MSVOA_V
 ClientSampled :

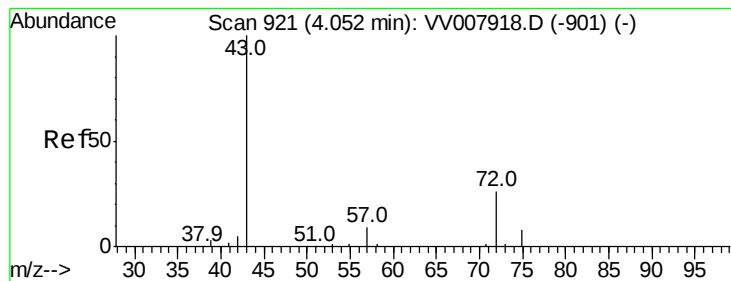
Tot Ion:	96	Resp:	29167
Ion	Ratio	Lower	Upper
96	100		
61	168.5	114.1	211.9
63	121.6	81.5	151.3



#13
 Acetone
 Concen: 4.605 ug/L
 RT: 2.21 min Scan# 347
 Delta R.T. -0.01 min
 Lab File: VV007933.D
 Acq: 28 Sep 2018 03:08

Tgt Ion:	43	Resp:	4785
Ion	Ratio	Lower	Upper
43	100		
58	33.5	0.0	62.0





#21

2-Butanone

Concen: 92.991 ug/L

RT: 4.14 min Scan# 950

Delta R.T. 0.09 min

Lab File: VV007933.D

Acq: 28 Sep 2018 03:08

Instrument :

MSVOA_V

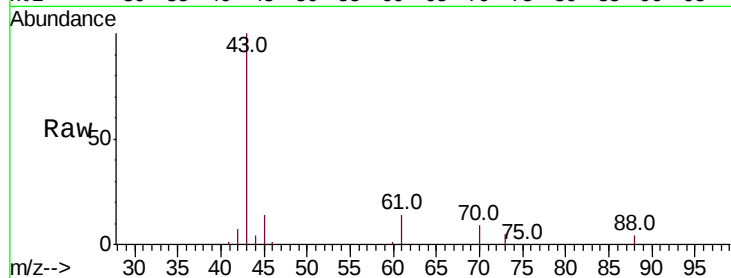
ClientSampleId :

Tot Ion: 43 Resp: 153935

Ion Ratio Lower Upper

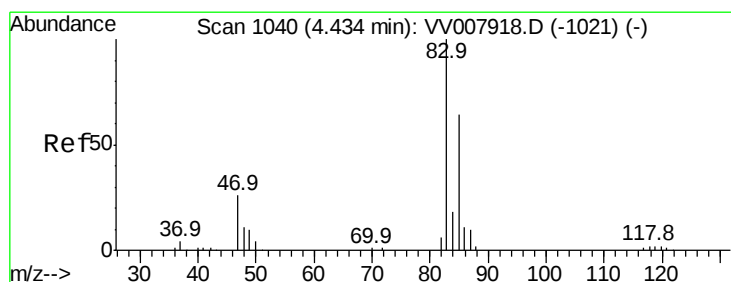
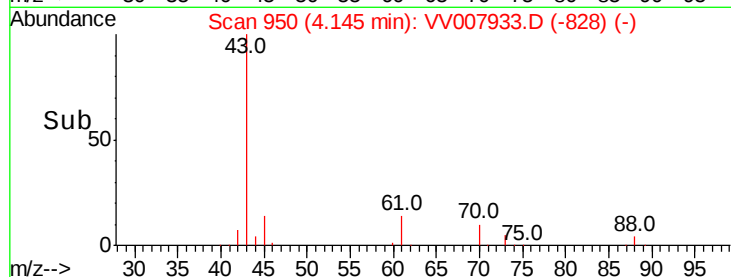
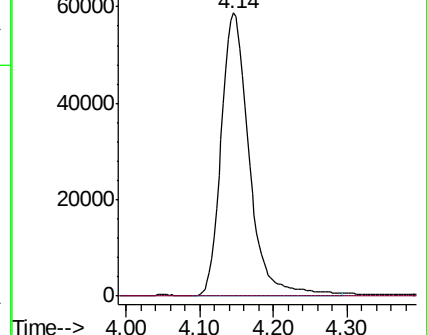
43 100

72 0.0 12.5 37.5#



Abundance Ion 43.05 (42.75 to 43.75): VV007918.D (-901) (-)

Ion 72.10 (71.80 to 72.80): VV007918.D (-901) (-)



#25

Chloroform

Concen: 0.153 ug/L

RT: 4.44 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VV007933.D

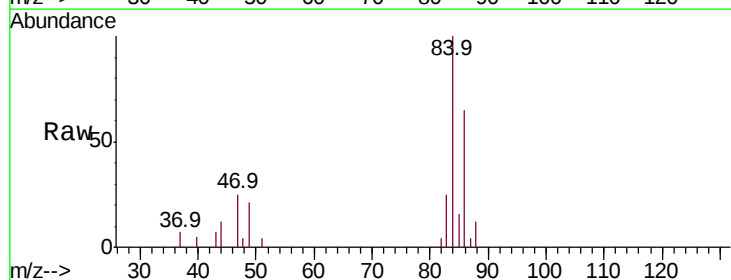
Acq: 28 Sep 2018 03:08

Tgt Ion: 83 Resp: 1814

Ion Ratio Lower Upper

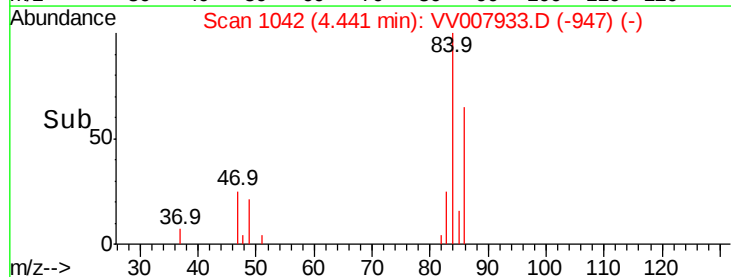
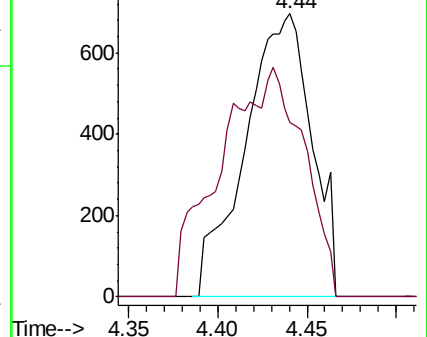
83 100

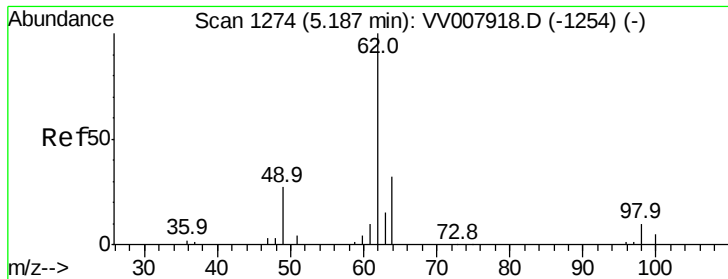
85 61.5 44.8 83.2



Abundance Ion 83.05 (82.75 to 83.75): VV007918.D (-1021) (-)

Ion 85.00 (84.70 to 85.70): VV007918.D (-1021) (-)

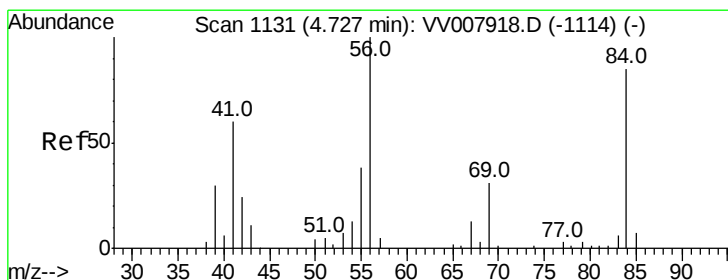
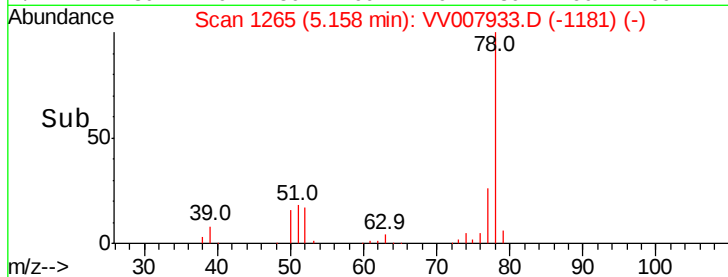
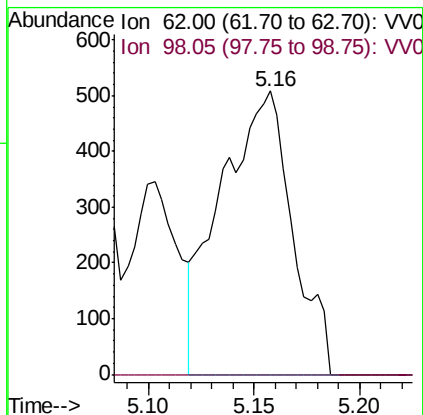
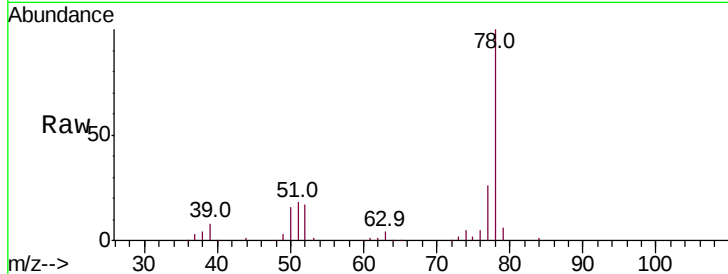




#27
 1,2-Dichloroethane
 Concen: 0.157 ug/L
 RT: 5.16 min Scan# 1265
 Delta R.T. -0.03 min
 Lab File: VV007933.D
 Acq: 28 Sep 2018 03:08

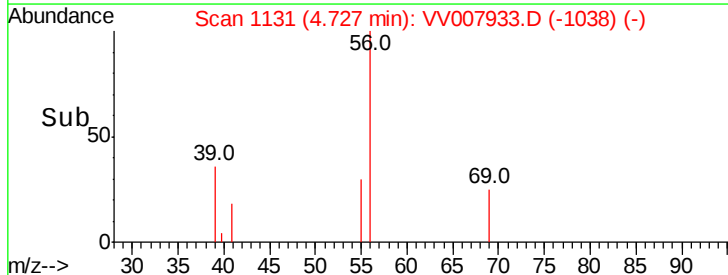
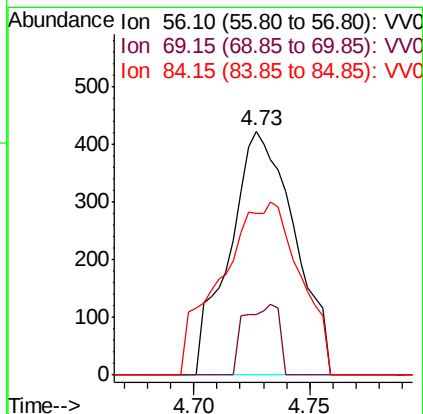
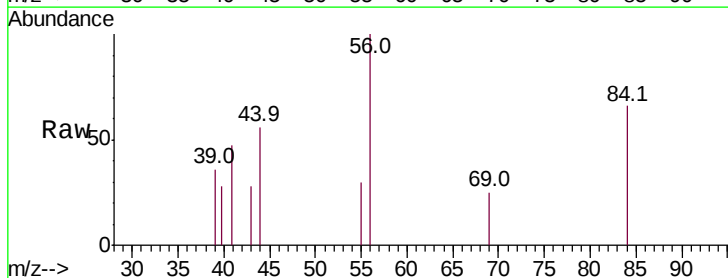
Instrument :
 MSVOA_V
 ClientSampled :

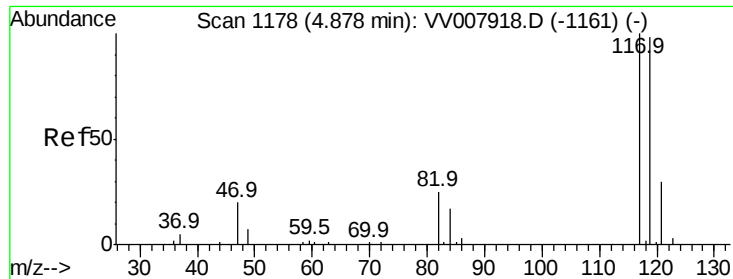
Tot Ion: 62 Resp: 1201
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



#30
 Cyclohexane
 Concen: 0.087 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VV007933.D
 Acq: 28 Sep 2018 03:08

Tgt Ion: 56 Resp: 823
 Ion Ratio Lower Upper
 56 100
 69 15.4 24.2 36.4#
 84 86.8 69.8 104.8





#31

Carbon tetrachloride

Concen: 12.896 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VV007933.D

Acq: 28 Sep 2018 03:08

Instrument :

MSVOA_V

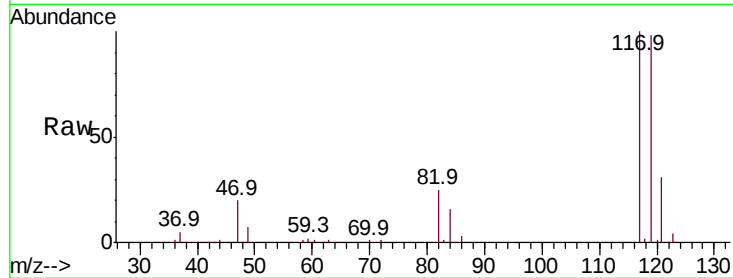
ClientSampleId :

Tot Ion:117 Resp: 114253

Ion Ratio Lower Upper

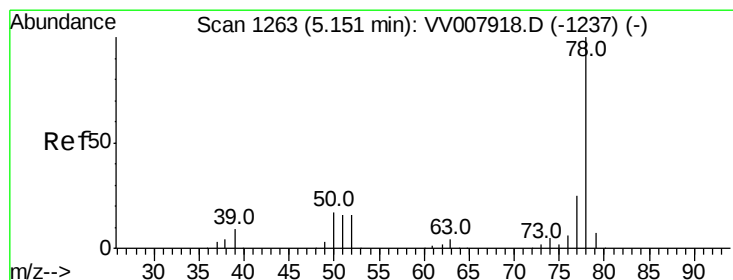
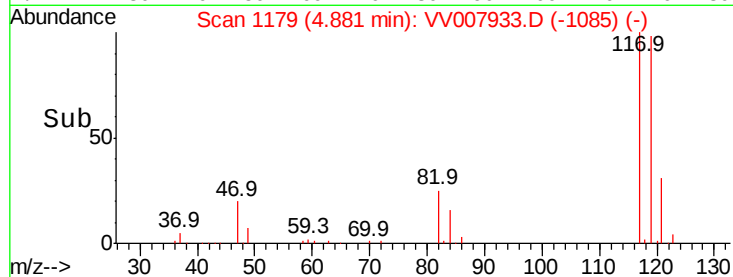
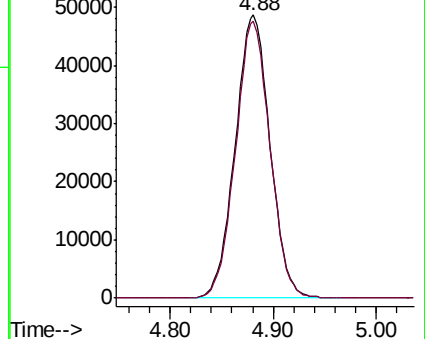
117 100

119 96.7 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.092 ug/L

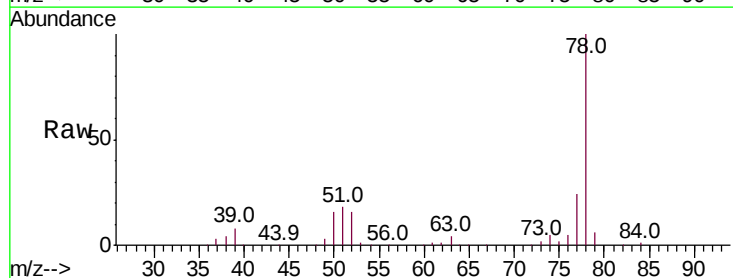
RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

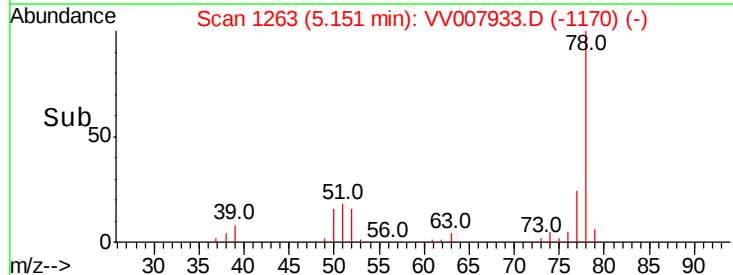
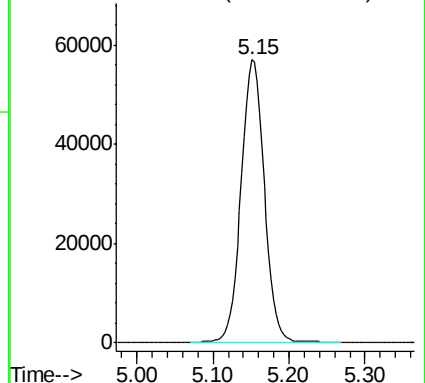
Lab File: VV007933.D

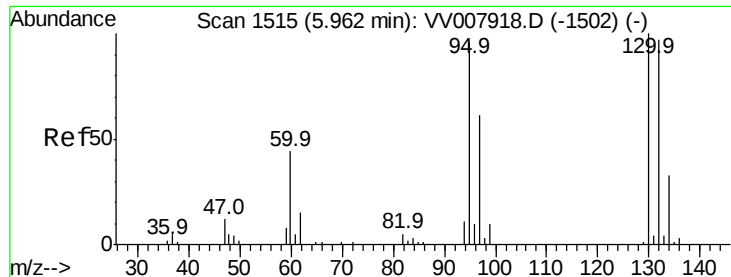
Acq: 28 Sep 2018 03:08

Tgt Ion: 78 Resp: 121867



Abundance Ion 78.10 (77.80 to 78.80): VV0

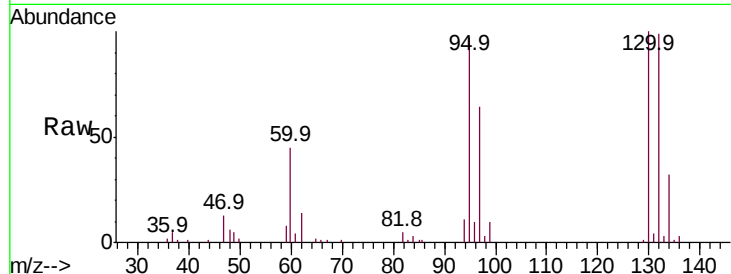




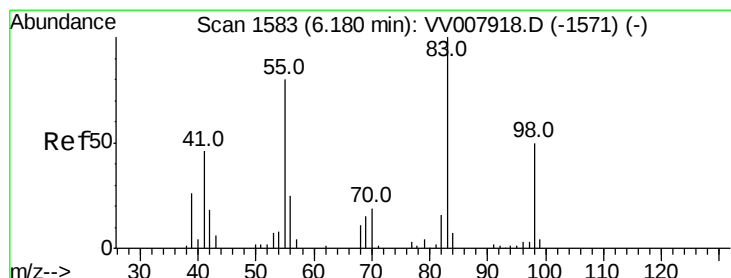
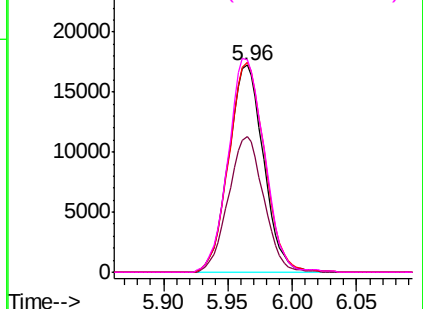
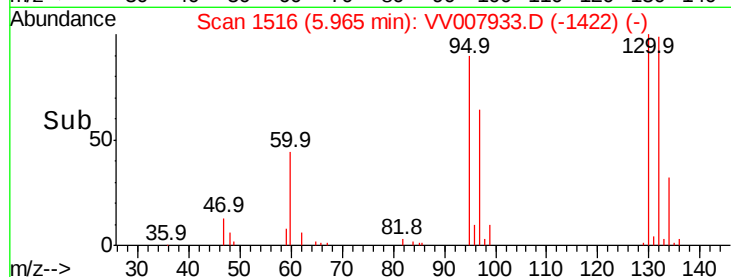
#34
 Trichloroethene
 Concen: 4.753 ug/L
 RT: 5.96 min Scan# 1516
 Delta R.T. 0.00 min
 Lab File: VV007933.D
 Acq: 28 Sep 2018 03:08

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 32573
 Ion Ratio Lower Upper
 95 100
 97 65.7 43.6 81.0
 132 101.6 69.9 129.9
 130 102.9 71.7 133.3

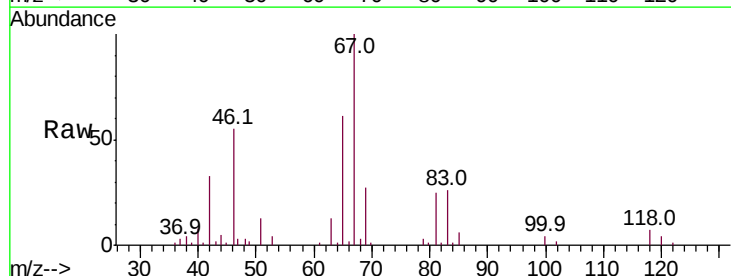


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

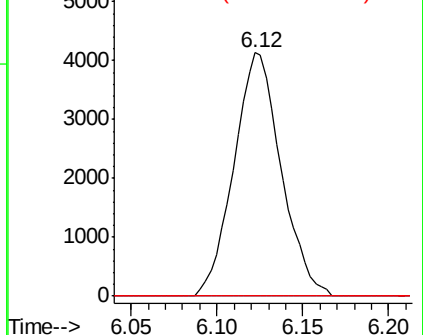
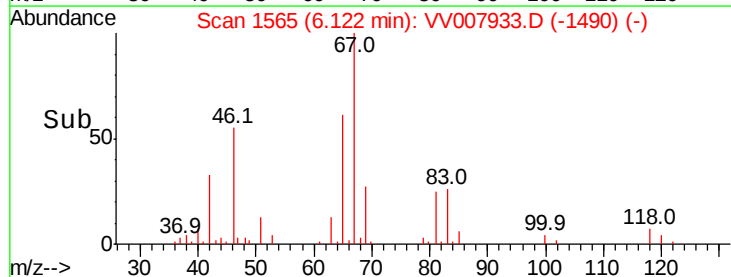


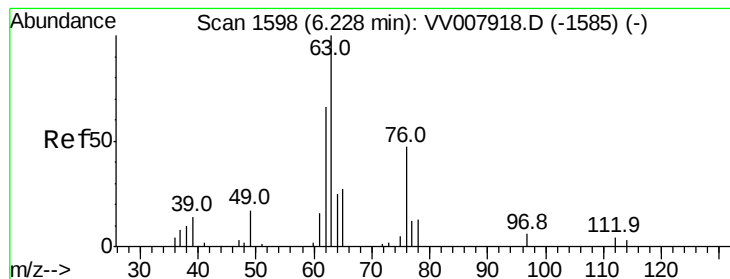
#35
 Methylcyclohexane
 Concen: 0.765 ug/L
 RT: 6.12 min Scan# 1565
 Delta R.T. -0.06 min
 Lab File: VV007933.D
 Acq: 28 Sep 2018 03:08

Tgt Ion: 83 Resp: 7857
 Ion Ratio Lower Upper
 83 100
 55 0.0 62.2 93.2#
 98 9.5 38.0 57.0#



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: 0.635 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.11 min

Lab File: VV007933.D

Acq: 28 Sep 2018 03:08

Instrument :

MSVOA_V

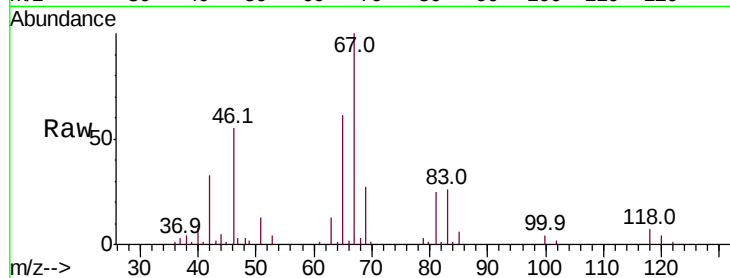
ClientSampleId :

Tot Ion: 63 Resp: 3880

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.0#



Abundance Ion 63.10 (62.80 to 63.80): VV007918.D (-1585) (-)

Ion 112.10 (111.80 to 112.80): VV007918.D (-1585) (-)

6.12

2000

1500

1000

500

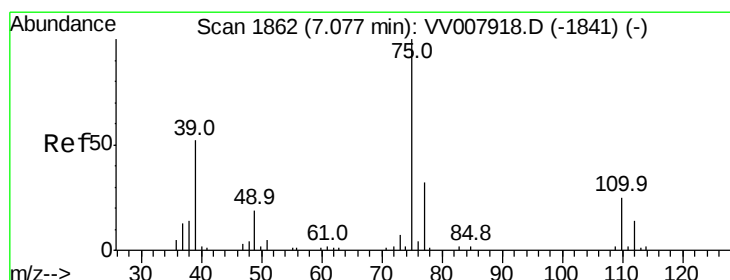
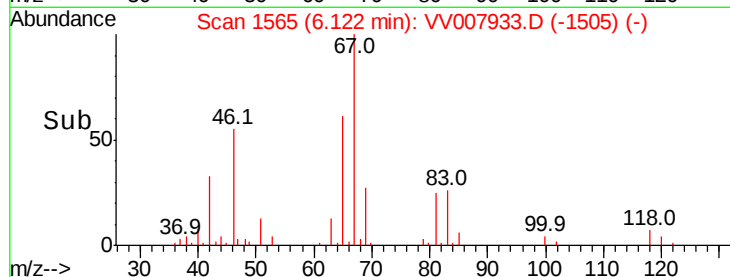
0

6.05

6.10

6.15

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.101 ug/L

RT: 7.04 min Scan# 1849

Delta R.T. -0.04 min

Lab File: VV007933.D

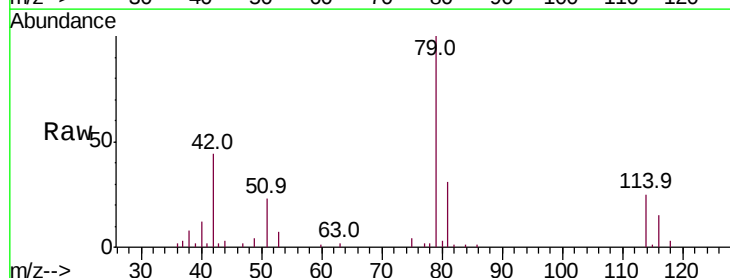
Acq: 28 Sep 2018 03:08

Tgt Ion: 75 Resp: 825

Ion Ratio Lower Upper

75 100

77 58.1 22.9 42.5#



Abundance Ion 75.05 (74.75 to 75.75): VV007918.D (-1841) (-)

Ion 77.05 (76.75 to 77.75): VV007918.D (-1841) (-)

7.04

500

400

300

200

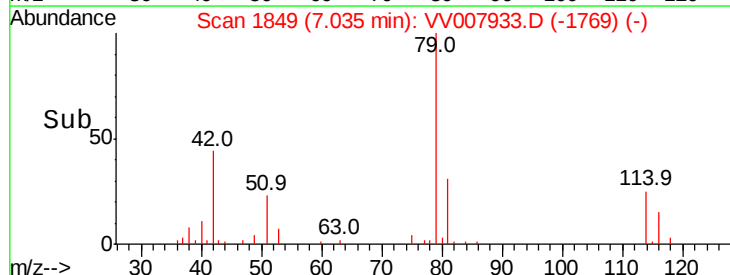
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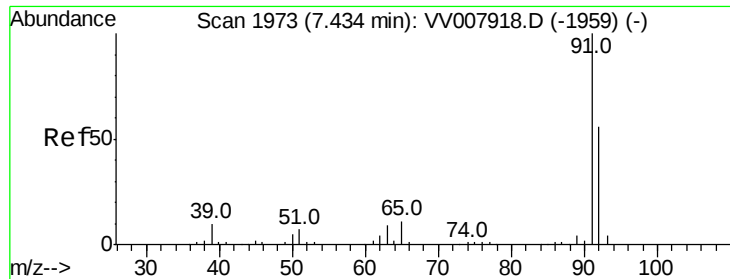
0

7.00

7.05

Time-->





#42

Toluene

Concen: 5.025 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VV007933.D

Acq: 28 Sep 2018 03:08

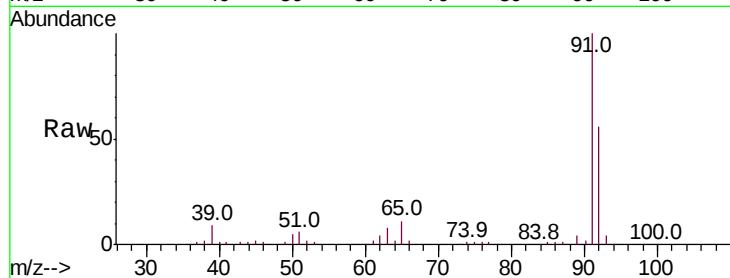
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 130970

Ion Ratio Lower Upper

91 100

92 56.5 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV007918.D (-1959) (-)

Ion 92.15 (91.85 to 92.85): VV007918.D (-1959) (-)

7.44

80000

60000

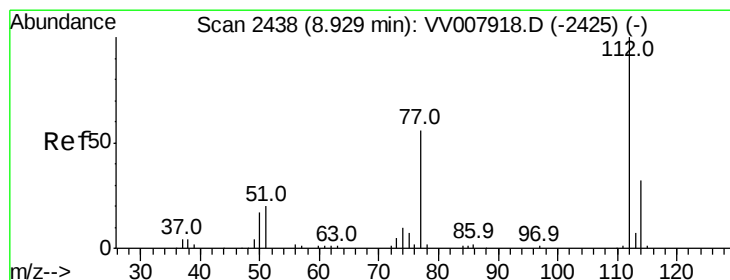
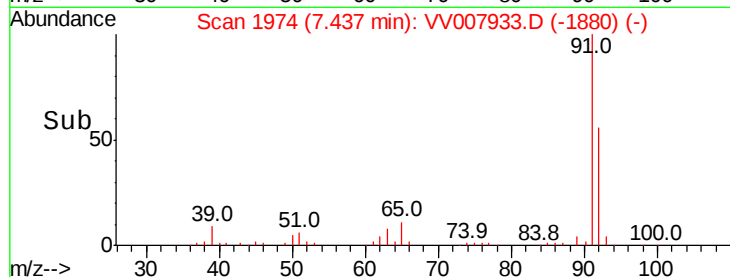
40000

20000

0

7.35 7.40 7.45 7.50 7.55

Time-->



#51

Chlorobenzene

Concen: 4.822 ug/L

RT: 8.93 min Scan# 2438

Delta R.T. -0.00 min

Lab File: VV007933.D

Acq: 28 Sep 2018 03:08

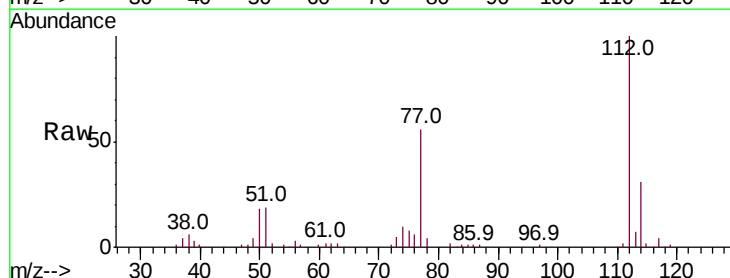
Tgt Ion: 112 Resp: 86804

Ion Ratio Lower Upper

112 100

114 31.5 22.4 41.6

77 56.0 45.0 67.6



Abundance Ion 112.10 (111.80 to 112.80): VV007918.D (-2425) (-)

Ion 114.05 (113.75 to 114.75): VV007918.D (-2425) (-)

Ion 77.10 (76.80 to 77.80): VV007918.D (-2425) (-)

8.93

60000

40000

20000

0

8.85 8.90 8.95 9.00

Time-->

