

Data File : VV011998.D
Acq On : 24 Jul 2019 06:14
Operator : SY/MD
Sample : K3960-06MSD
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB9A9MSD

Quant Time: Jul 24 07:53:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 24 07:47:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	153879	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	146513	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	75353	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	34909	4.37	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.40%
7) Chloroethane-d5	1.58	69	28948	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.00%
11) 1,1-Dichloroethene-d2	2.14	63	72422	4.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.00%
20) 2-Butanone-d5	3.94	46	109746	46.95	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.90%
24) Chloroform-d	4.40	84	93623	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
26) 1,2-Dichloroethane-d4	5.08	65	54113	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
32) Benzene-d6	5.10	84	194472	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
36) 1,2-Dichloropropane-d6	6.12	67	54786	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.80%
41) Toluene-d8	7.36	98	175626	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
43) trans-1,3-Dichloropropene-	7.67	79	19729	4.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.20%
46) 2-Hexanone-d5	8.13	63	90274	47.37	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.74%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	37904	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	72900	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	6952	0.753 ug/L	95
8) Chloroethane	1.60	64	484	0.087 ug/L	98
12) 1,1-Dichloroethene	2.14	96	26886	3.839 ug/L	87
25) Chloroform	4.43	83	6436	0.277 ug/L	98
27) 1,2-Dichloroethane	5.15	62	1848	0.143 ug/L #	76
33) Benzene	5.15	78	169435	3.931 ug/L	100
34) Trichloroethene	5.96	95	45570	3.807 ug/L	99
35) Methylcyclohexane	6.12	83	14462	0.776 ug/L #	17
39) cis-1,3-Dichloropropene	7.03	75	1654	0.108 ug/L #	66
42) Toluene	7.43	91	230167	4.975 ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	984	0.081 ug/L #	71
51) Chlorobenzene	8.92	112	128705	4.249 ug/L	99
52) Ethylbenzene	9.05	91	17914	0.339 ug/L	97
53) m,p-xylene	9.18	106	32481	1.616 ug/L	97
54) o-xylene	9.59	106	11691	0.613 ug/L	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072319\
Quantitation Report (Not Reviewed)

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 24 07:47:25 2019
Response via : Initial Calibration

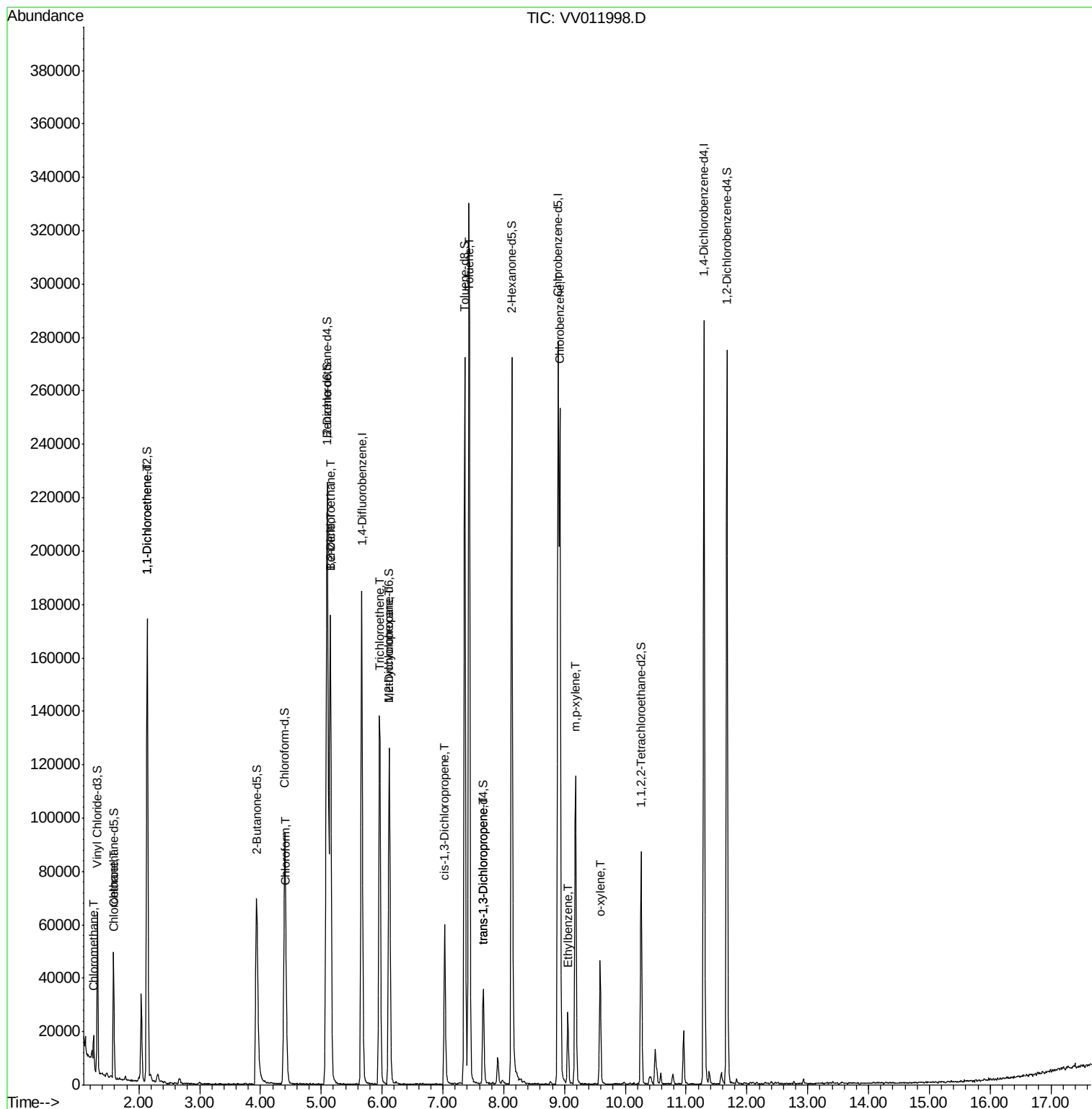
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

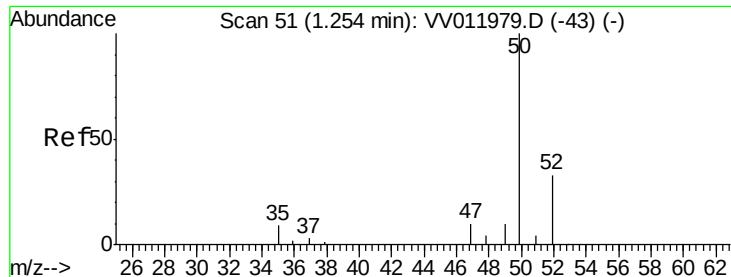
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#3

Chloromethane

Concen: 0.753 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV011998.D

Acq: 24 Jul 2019 06:14

Instrument :

MSVOA_V

ClientSampleId :

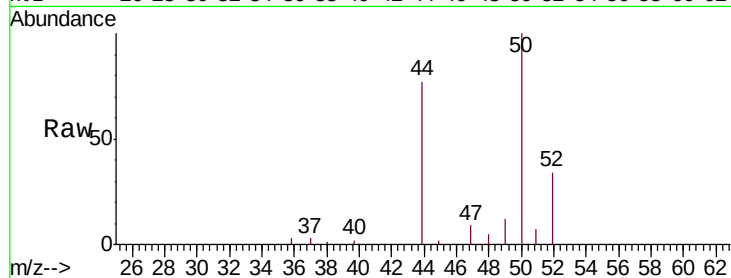
DB9A9MSD

Tgt Ion: 50 Resp: 6952

Ion Ratio Lower Upper

50 100

52 33.8 21.6 40.2



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

1.25

8000

6000

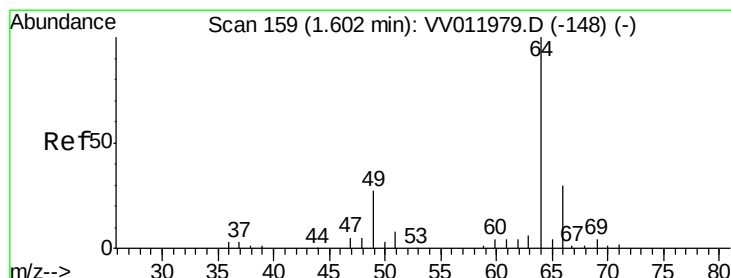
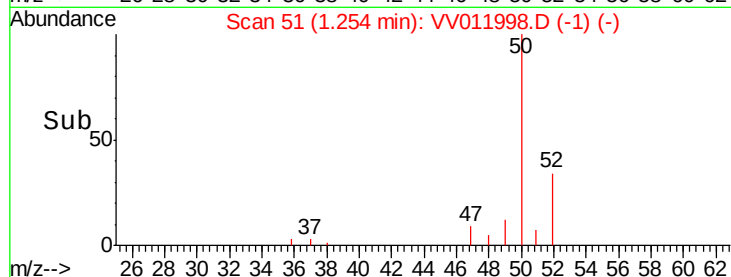
4000

2000

0

Time-->

1.22 1.24 1.26 1.28



#8

Chloroethane

Concen: 0.087 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV011998.D

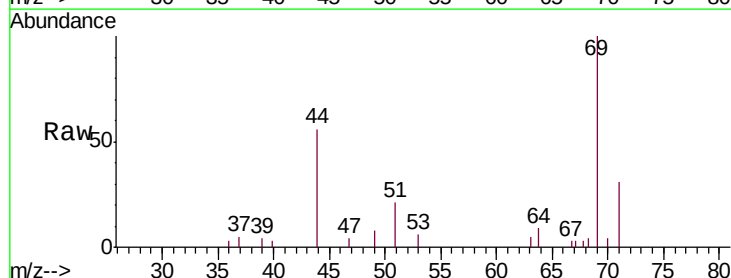
Acq: 24 Jul 2019 06:14

Tgt Ion: 64 Resp: 484

Ion Ratio Lower Upper

64 100

66 30.0 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

1.60

400

300

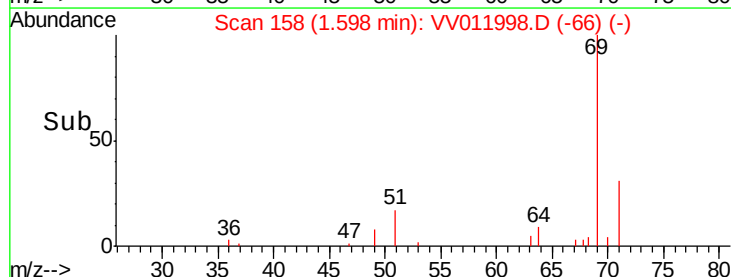
200

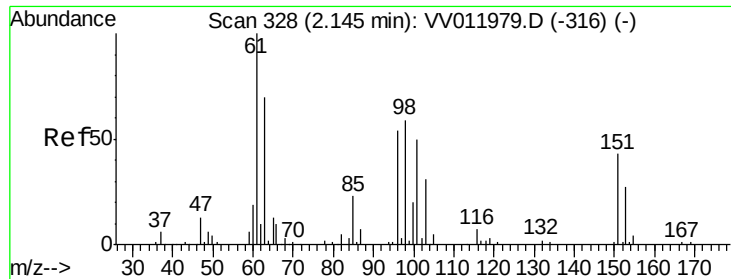
100

0

Time-->

1.56 1.58 1.60 1.62

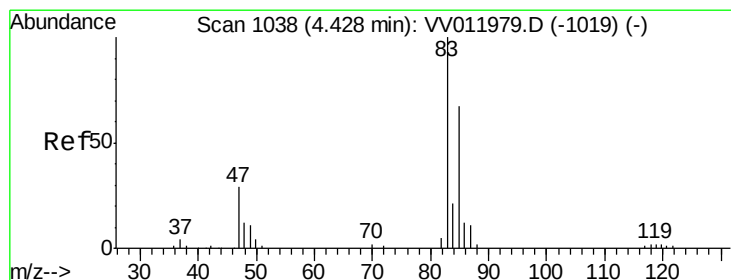
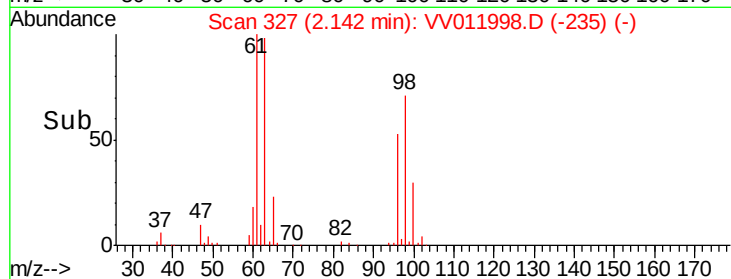
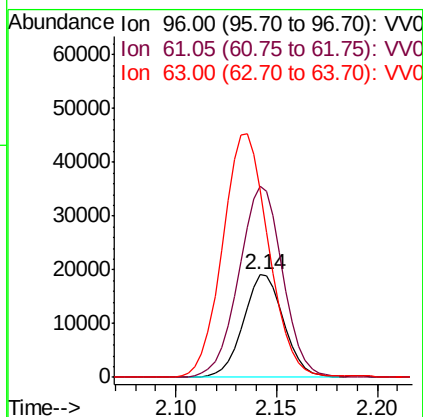
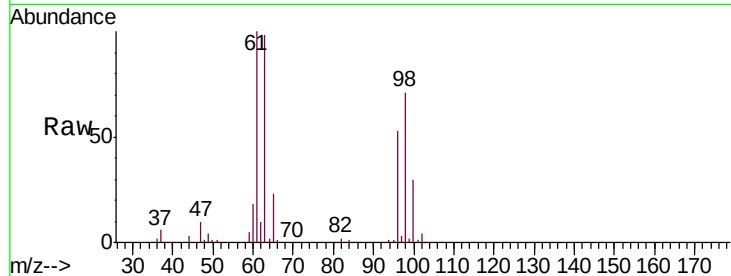




#12
 1,1-Dichloroethene
 Concen: 3.839 ug/L
 RT: 2.14 min Scan# 327
 Delta R.T. -0.00 min
 Lab File: VV011998.D
 Acq: 24 Jul 2019 06:14

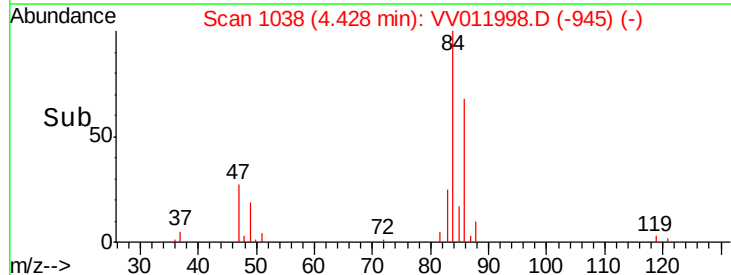
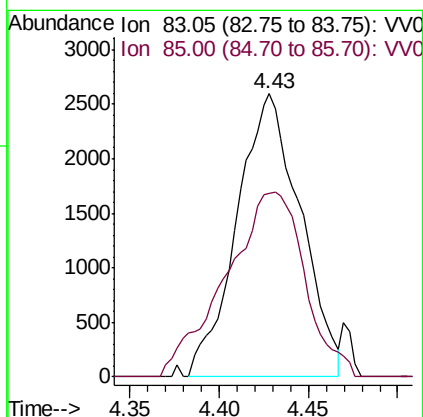
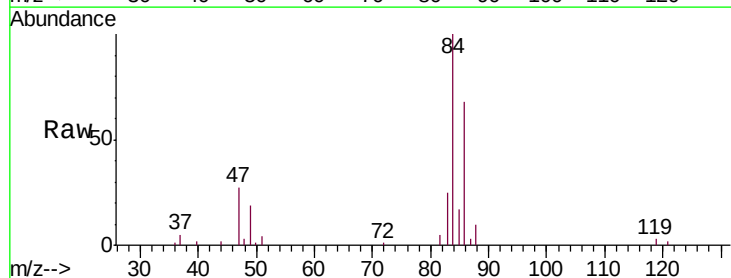
Instrument :
 MSVOA_V
 ClientSampleId :
 DB9A9MSD

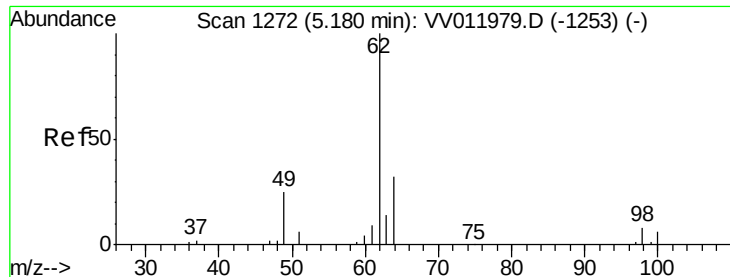
Tgt Ion	Resp	Lower	Upper
96	100		
61	187.0	132.7	246.5
63	183.3	104.0	193.1



#25
 Chloroform
 Concen: 0.277 ug/L
 RT: 4.43 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: VV011998.D
 Acq: 24 Jul 2019 06:14

Tgt Ion	Resp	Lower	Upper
83	100		
85	65.1	46.5	86.3

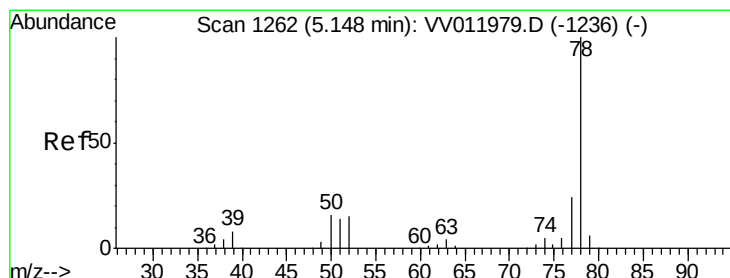
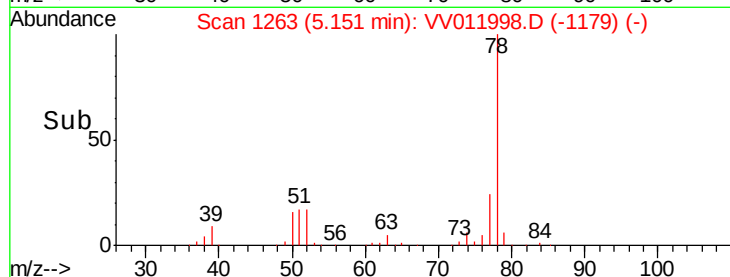
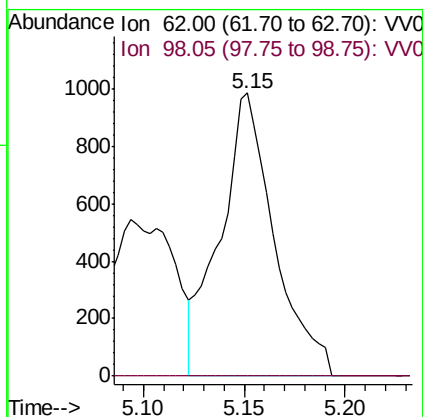
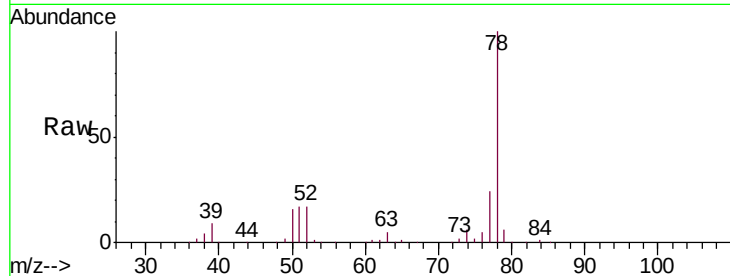




#27
 1,2-Dichloroethane
 Concen: 0.143 ug/L
 RT: 5.15 min Scan# 1263
 Delta R.T. -0.03 min
 Lab File: VV011998.D
 Acq: 24 Jul 2019 06:14

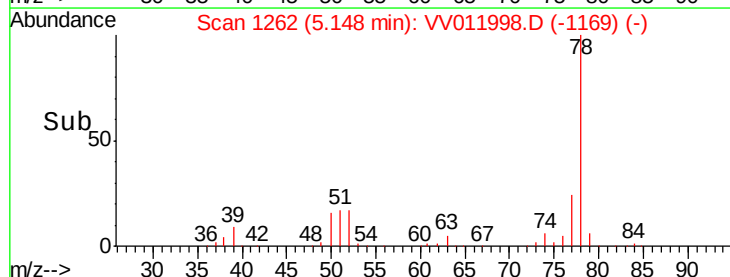
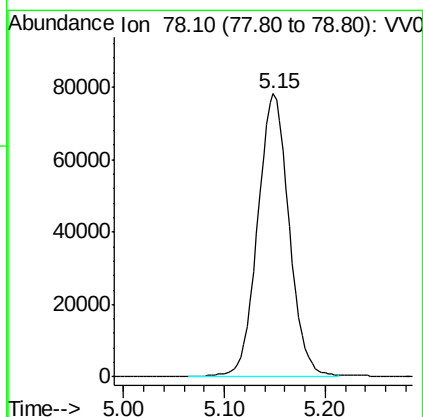
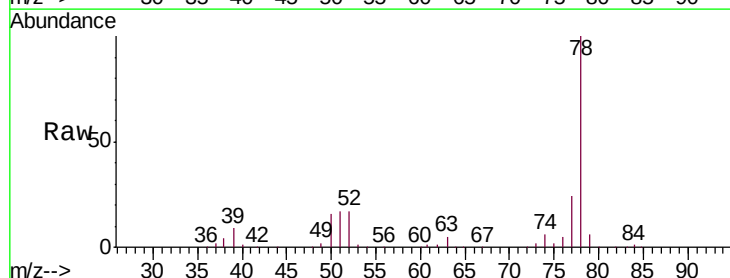
Instrument :
 MSVOA_V
 ClientSampleId :
 DB9A9MSD

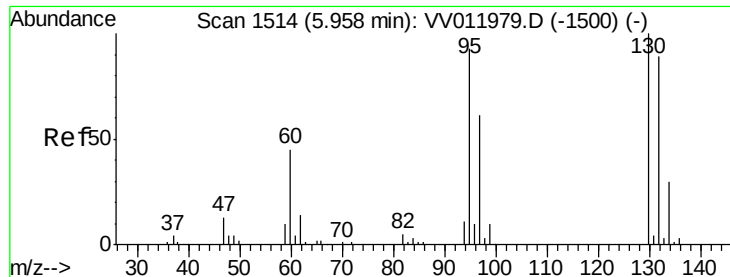
Tgt Ion: 62 Resp: 1848
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.0 10.6#



#33
 Benzene
 Concen: 3.931 ug/L
 RT: 5.15 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VV011998.D
 Acq: 24 Jul 2019 06:14

Tgt Ion: 78 Resp: 169435





#34

Trichloroethene

Concen: 3.807 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV011998.D

Acq: 24 Jul 2019 06:14

Instrument :

MSVOA_V

ClientSampleId :

DB9A9MSD

Tgt Ion: 95 Resp: 45570

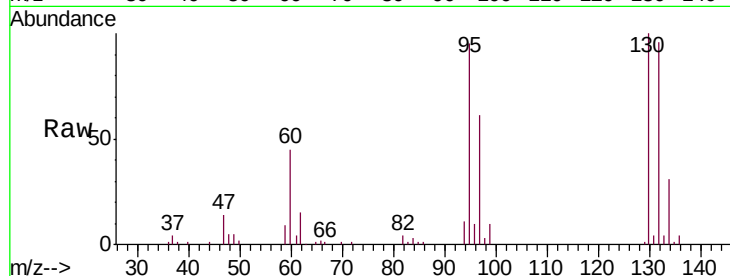
Ion Ratio Lower Upper

95 100

97 64.2 45.6 84.6

132 100.9 71.3 132.3

130 104.8 72.8 135.2

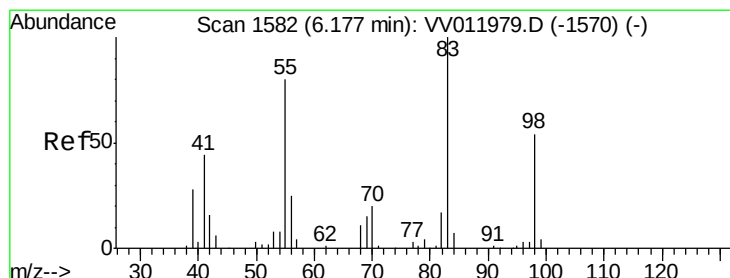
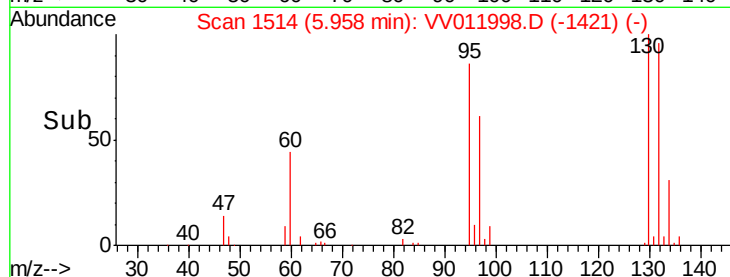
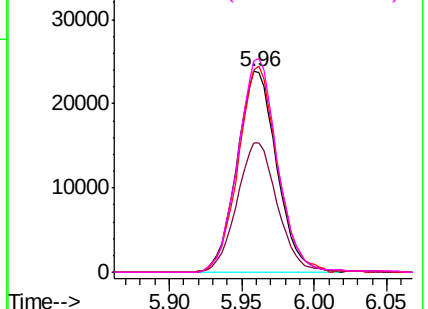


Abundance Ion 95.00 (94.70 to 95.70): VV011979.D (-1500) (-)

Ion 96.95 (96.65 to 97.65): VV011979.D (-1500) (-)

Ion 131.95 (131.65 to 132.65): VV011979.D (-1500) (-)

Ion 129.95 (129.65 to 130.65): VV011979.D (-1500) (-)



#35

Methylcyclohexane

Concen: 0.776 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.06 min

Lab File: VV011998.D

Acq: 24 Jul 2019 06:14

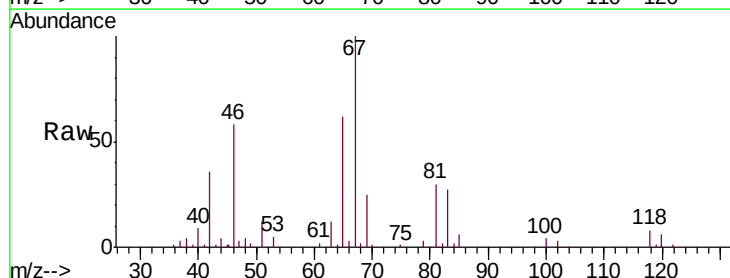
Tgt Ion: 83 Resp: 14462

Ion Ratio Lower Upper

83 100

55 0.0 63.0 94.4#

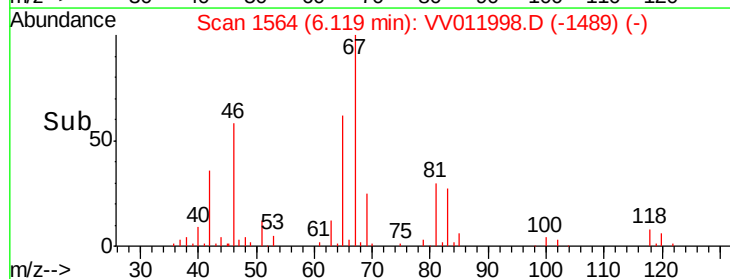
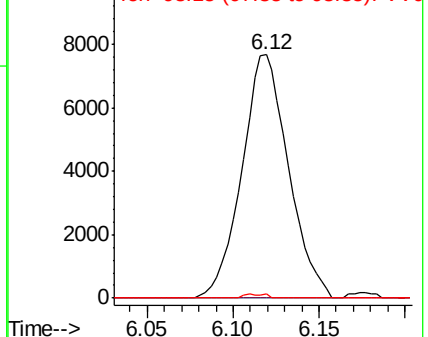
98 0.8 41.4 62.0#

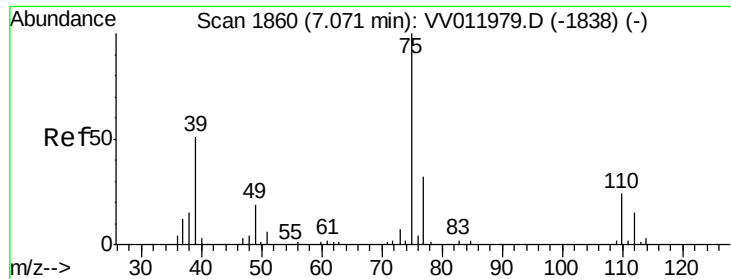


Abundance Ion 83.15 (82.85 to 83.85): VV011979.D (-1570) (-)

Ion 55.10 (54.80 to 55.80): VV011979.D (-1570) (-)

Ion 98.15 (97.85 to 98.85): VV011979.D (-1570) (-)

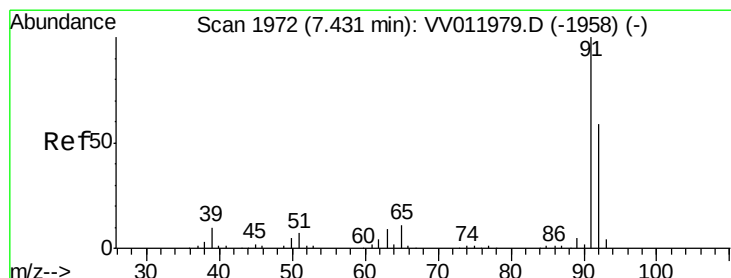
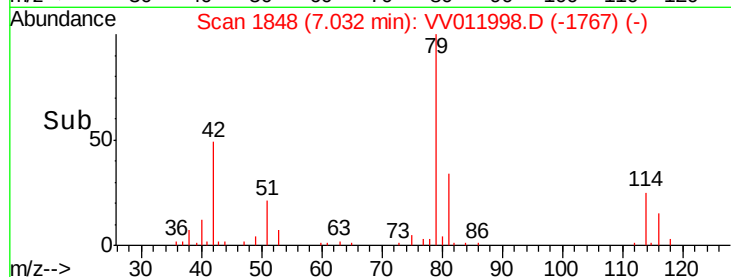
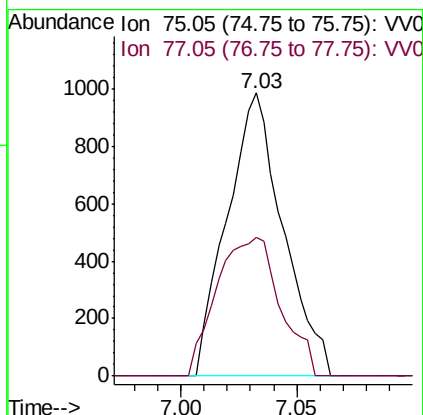
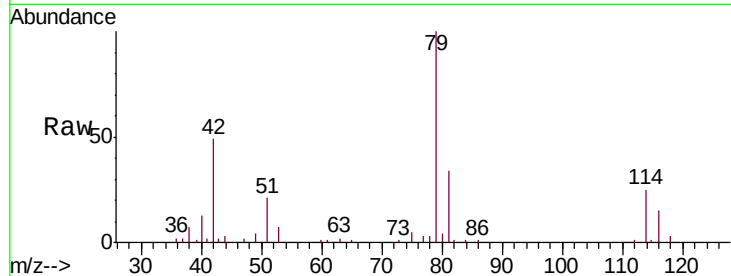




#39
 cis-1,3-Dichloropropene
 Concen: 0.108 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV011998.D
 Acq: 24 Jul 2019 06:14

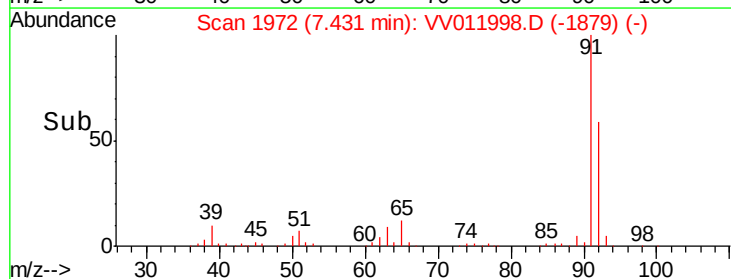
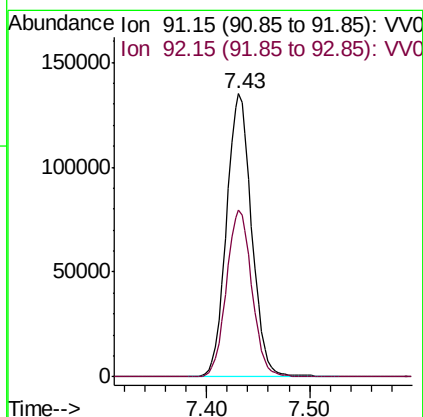
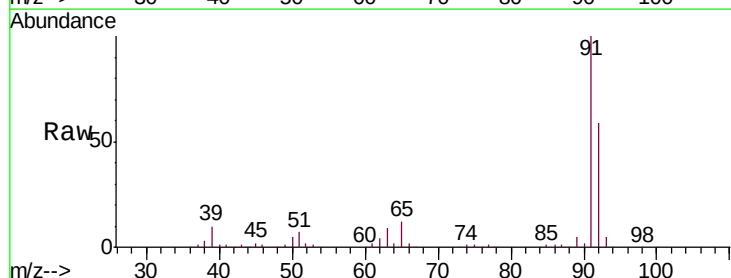
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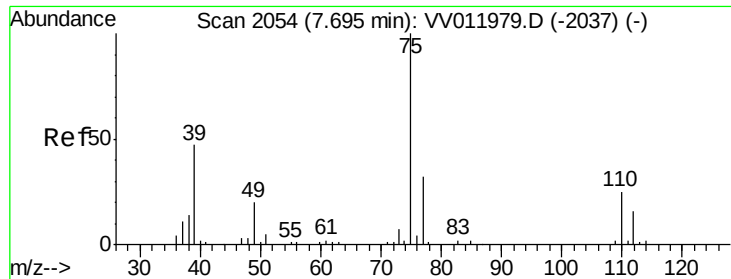
Tgt Ion: 75 Resp: 1654
 Ion Ratio Lower Upper
 75 100
 77 49.0 21.3 39.6#



#42
 Toluene
 Concen: 4.975 ug/L
 RT: 7.43 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VV011998.D
 Acq: 24 Jul 2019 06:14

Tgt Ion: 91 Resp: 230167
 Ion Ratio Lower Upper
 91 100
 92 58.8 41.9 77.9





#44

trans-1,3-Dichloropropene

Concen: 0.081 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV011998.D

Acq: 24 Jul 2019 06:14

Instrument :

MSVOA_V

ClientSampleId :

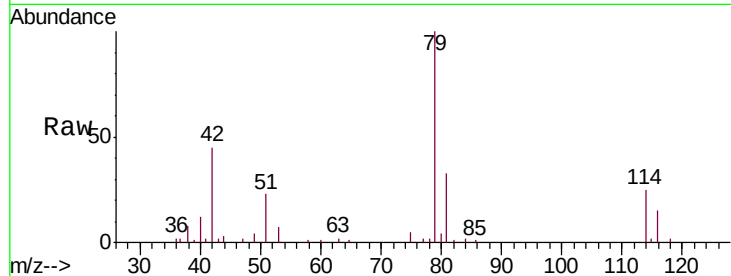
DB9A9MSD

Tgt Ion: 75 Resp: 984

Ion Ratio Lower Upper

75 100

77 47.5 22.0 40.8#



Abundance Ion 75.05 (74.75 to 75.75): VV011979.D (-2037) (-)

Ion 77.05 (76.75 to 77.75): VV011998.D (-1961) (-)

7.67

600

400

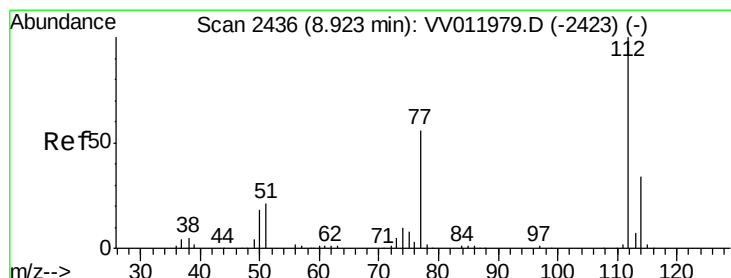
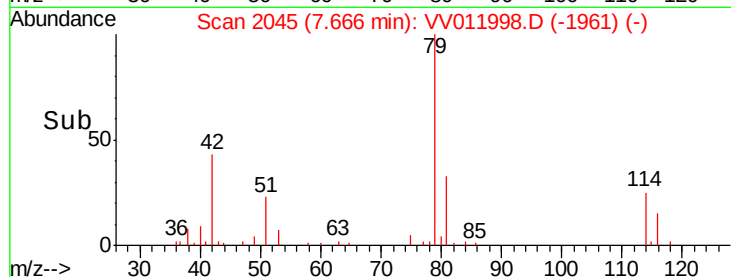
200

0

7.65

7.70

Time-->



#51

Chlorobenzene

Concen: 4.249 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV011998.D

Acq: 24 Jul 2019 06:14

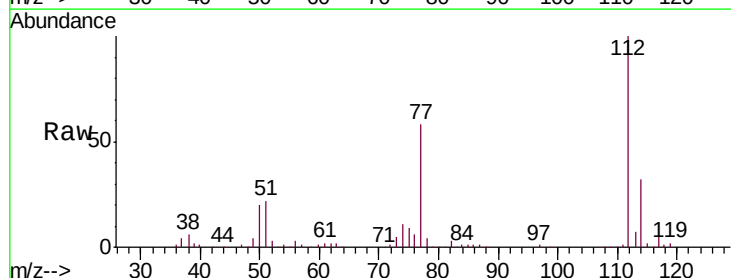
Tgt Ion: 112 Resp: 128705

Ion Ratio Lower Upper

112 100

114 32.2 23.0 42.8

77 58.5 46.4 69.6



Abundance Ion 112.10 (111.80 to 112.80): VV011979.D (-2423) (-)

Ion 114.05 (113.75 to 114.75): VV011998.D (-2343) (-)

Ion 77.10 (76.80 to 77.80): VV011998.D (-2343) (-)

8.92

100000

80000

60000

40000

20000

0

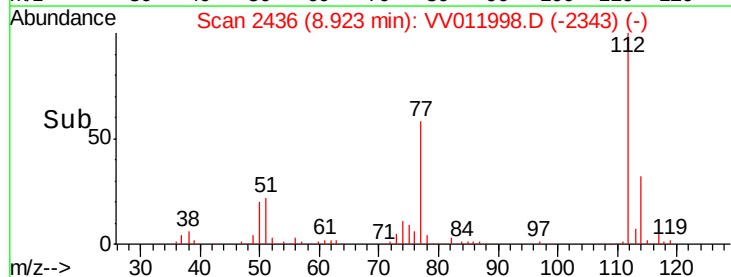
8.85

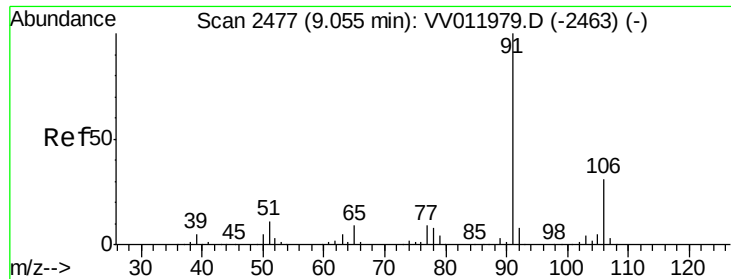
8.90

8.95

9.00

Time-->





#52

Ethylbenzene

Concen: 0.339 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV011998.D

Acq: 24 Jul 2019 06:14

Instrument :

MSVOA_V

ClientSampleId :

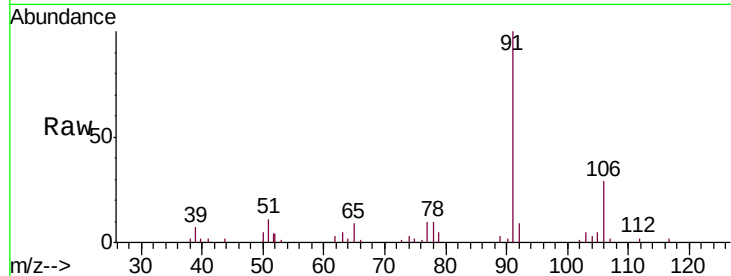
DB9A9MSD

Tgt Ion: 91 Resp: 17914

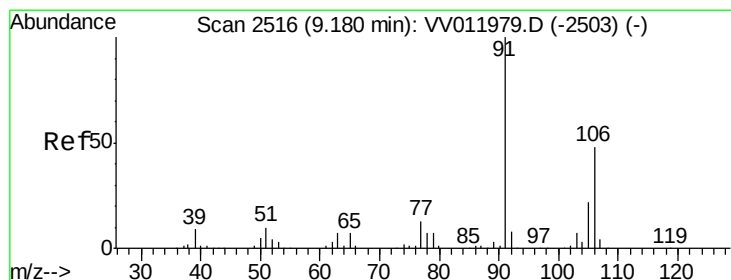
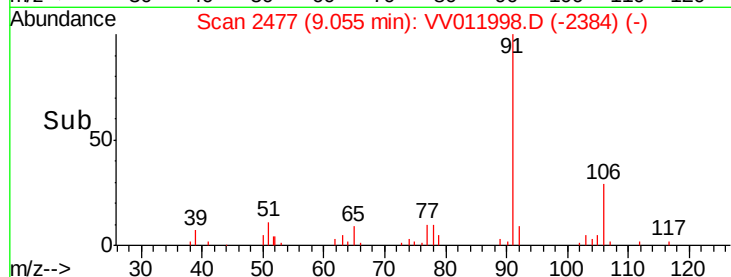
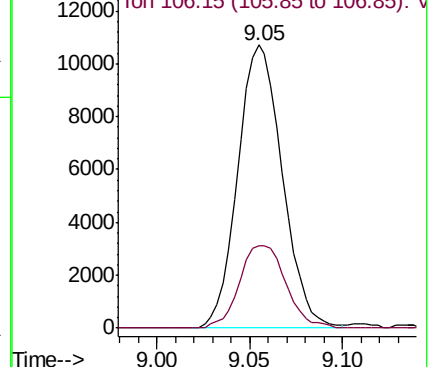
Ion Ratio Lower Upper

91 100

106 29.2 21.6 40.0



Abundance Ion 91.15 (90.85 to 91.85): VV011979.D (-2463) (-)



#53

m,p-xylene

Concen: 1.616 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV011998.D

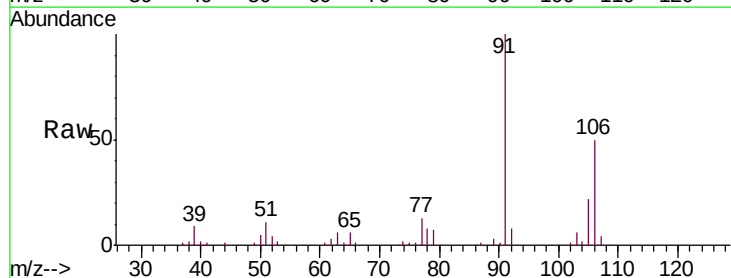
Acq: 24 Jul 2019 06:14

Tgt Ion: 106 Resp: 32481

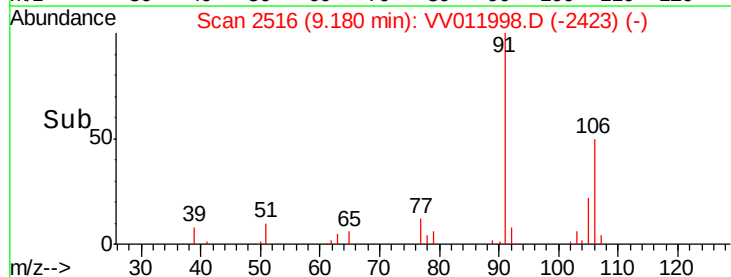
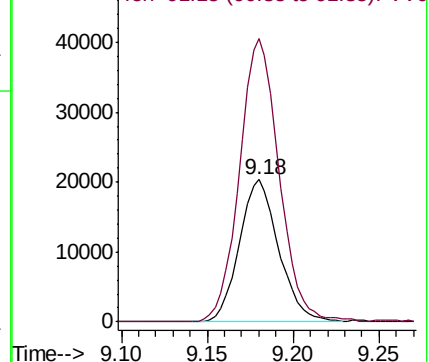
Ion Ratio Lower Upper

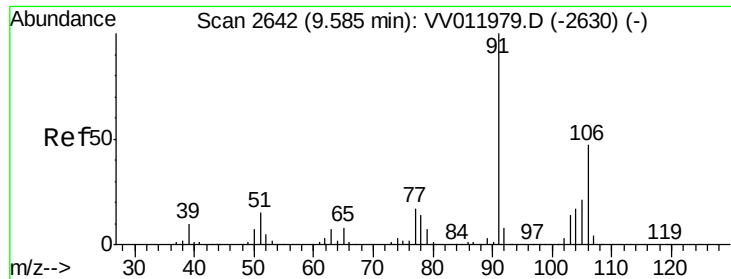
106 100

91 198.9 142.7 265.1



Abundance Ion 106.15 (105.85 to 106.85): VV011979.D (-2503) (-)





#54
o-xylene
Concen: 0.613 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV011998.D
Acq: 24 Jul 2019 06:14

Instrument :
MSVOA_V
ClientSampleId :
DB9A9MSD

Tgt Ion:106 Resp: 11691
Ion Ratio Lower Upper
106 100
91 223.9 151.0 280.4

