

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072519\
 Data File : VV012032.D
 Acq On : 25 Jul 2019 16:48
 Operator : SY/MD
 Sample : K3960-05MS
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DB9A9MS

Quant Time: Jul 26 03:43:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 26 02:35:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	113415	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	109908	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	54934	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	24378	4.14	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.80%
7) Chloroethane-d5	1.58	69	22048	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.13	63	52418	4.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.40%
20) 2-Butanone-d5	3.93	46	105338	61.14	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.28%
24) Chloroform-d	4.40	84	73212	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.08	65	45121	5.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.40%
32) Benzene-d6	5.10	84	147543	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
36) 1,2-Dichloropropane-d6	6.12	67	43458	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.20%
41) Toluene-d8	7.36	98	130551	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
43) trans-1,3-Dichloropropene-	7.66	79	17650	4.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.20%
46) 2-Hexanone-d5	8.13	63	86556	60.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	121.10%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	35584	5.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	57364	5.42	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.40%

Target Compounds

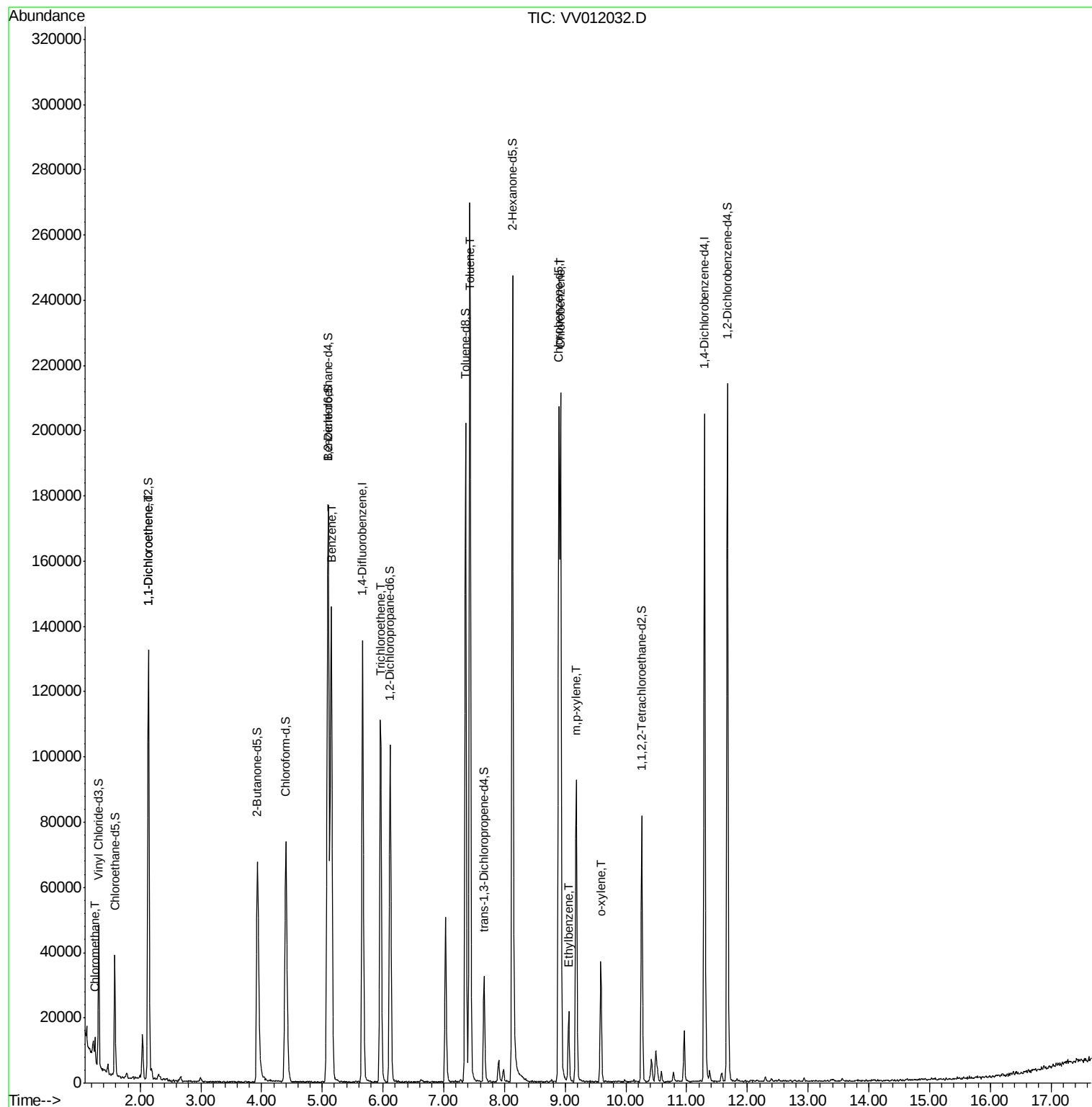
					Ovalue
3) Chloromethane	1.25	50	4836	0.711 ug/L	98
12) 1,1-Dichloroethene	2.14	96	22082	4.278 ug/L	100
33) Benzene	5.15	78	139909	4.327 ug/L	100
34) Trichloroethene	5.96	95	37044	4.126 ug/L	99
42) Toluene	7.43	91	188136	5.421 ug/L	98
51) Chlorobenzene	8.92	112	106860	4.703 ug/L	99
52) Ethylbenzene	9.05	91	14664	0.370 ug/L	96
53) m,p-xylene	9.18	106	25900	1.718 ug/L	93
54) o-xylene	9.59	106	9751	0.682 ug/L	98

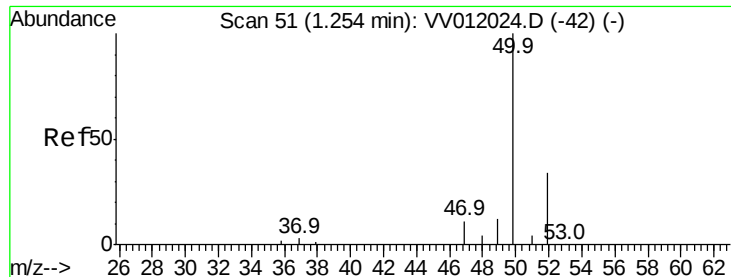
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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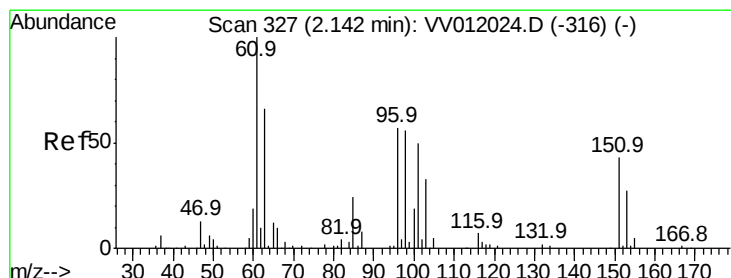
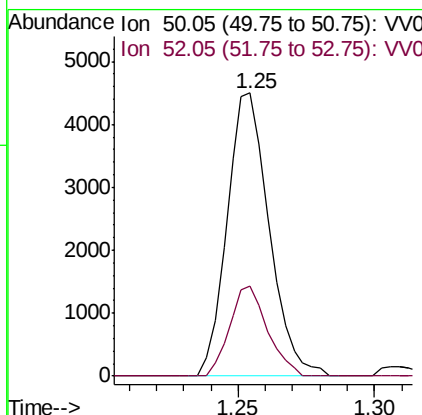
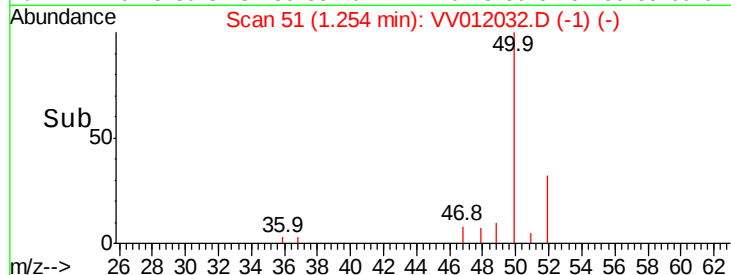
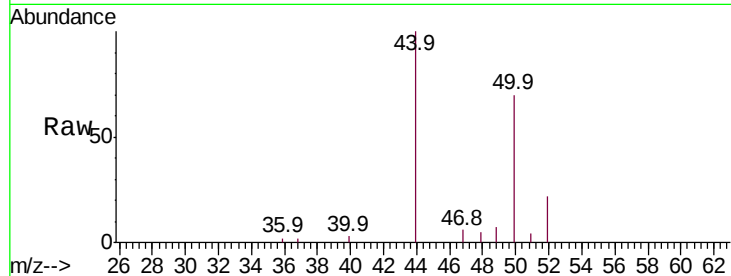




#3
 Chloromethane
 Concen: 0.711 ug/L
 RT: 1.25 min Scan# 51
 Delta R.T. 0.00 min
 Lab File: VV012032.D
 Acq: 25 Jul 2019 16:48

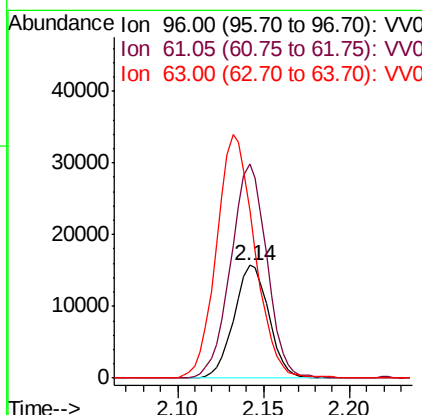
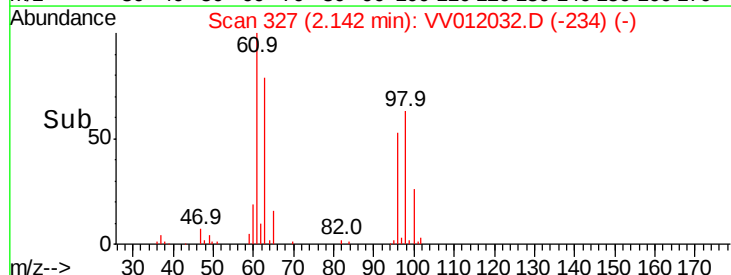
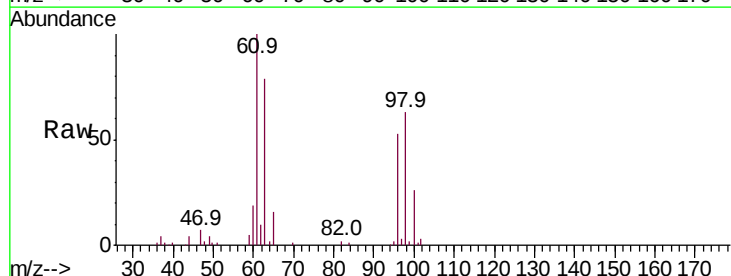
Instrument :
 MSVOA_V
 ClientSampleId :
 DB9A9MS

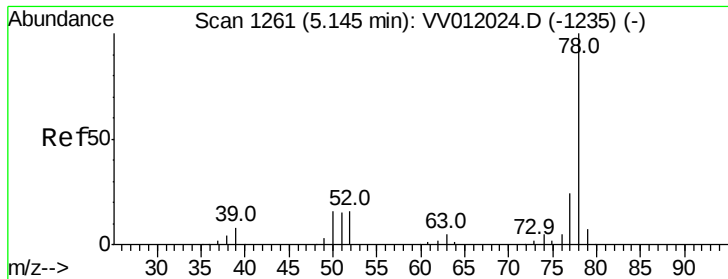
Tot Ion: 50 Resp: 4836
 Ion Ratio Lower Upper
 50 100
 52 31.8 21.6 40.2



#12
 1,1-Dichloroethene
 Concen: 4.278 ug/L
 RT: 2.14 min Scan# 327
 Delta R.T. 0.00 min
 Lab File: VV012032.D
 Acq: 25 Jul 2019 16:48

Tgt Ion: 96 Resp: 22082
 Ion Ratio Lower Upper
 96 100
 61 189.4 132.7 246.5
 63 149.1 104.0 193.1





#33

Benzene

Concen: 4.327 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VV012032.D

Acq: 25 Jul 2019 16:48

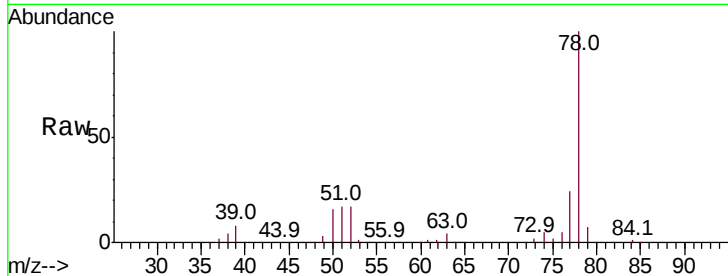
Instrument :

MSVOA_V

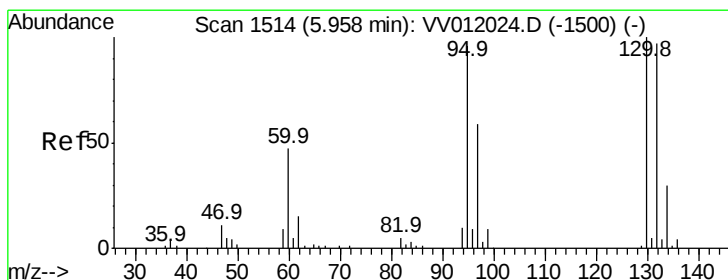
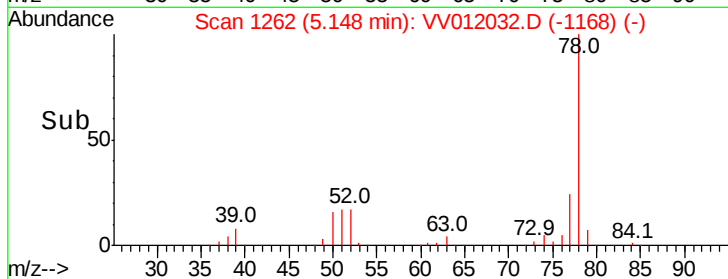
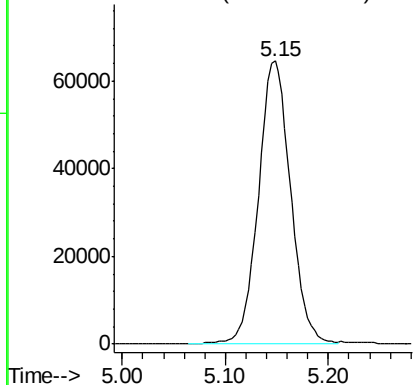
ClientSampleId :

DB9A9MS

Tgt Ion: 78 Resp: 139909



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 4.126 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012032.D

Acq: 25 Jul 2019 16:48

Tgt Ion: 95 Resp: 37044

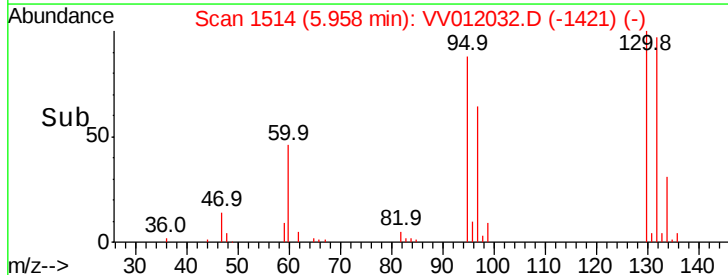
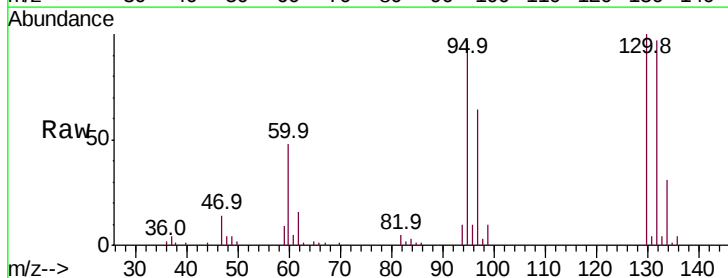
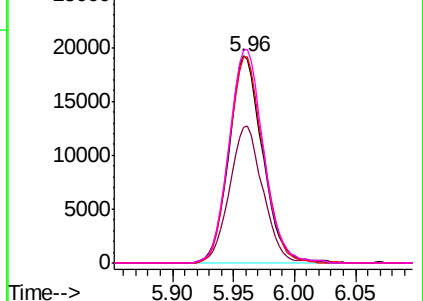
Ion	Ratio	Lower	Upper
95	100		
97	65.6	45.6	84.6
132	99.5	71.3	132.3
130	102.8	72.8	135.2

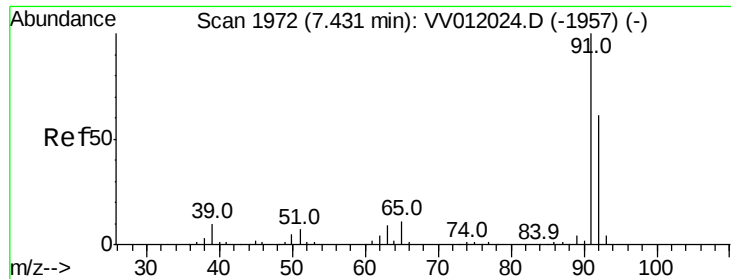
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V





#42

Toluene

Concen: 5.421 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012032.D

Acq: 25 Jul 2019 16:48

Instrument :

MSVOA_V

ClientSampleId :

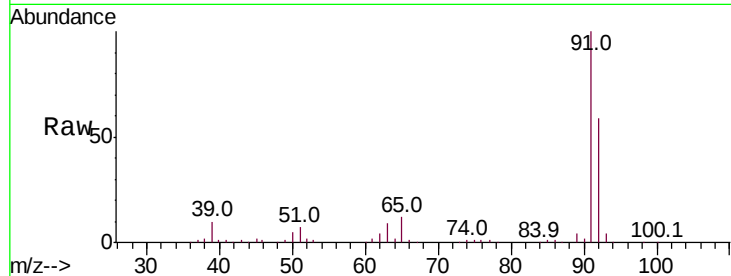
DB9A9MS

Tot Ion: 91 Resp: 188136

Ion Ratio Lower Upper

91 100

92 58.6 41.9 77.9



Abundance Ion 91.15 (90.85 to 91.85): VV012024.D (-1957) (-)

Ion 92.15 (91.85 to 92.85): VV012024.D (-1957) (-)

7.43

120000

100000

80000

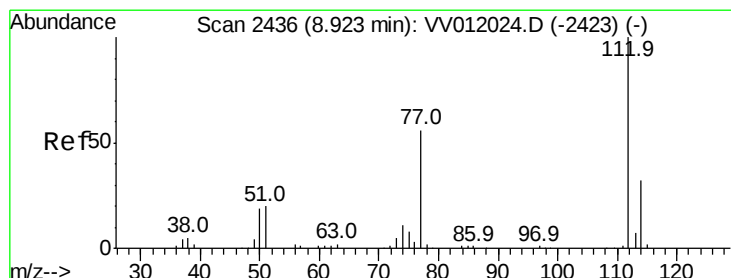
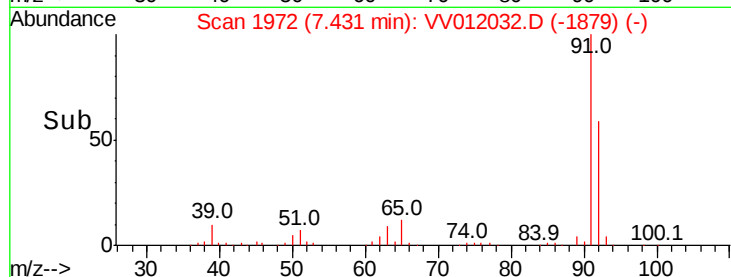
60000

40000

20000

0

Time-->



#51

Chlorobenzene

Concen: 4.703 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV012032.D

Acq: 25 Jul 2019 16:48

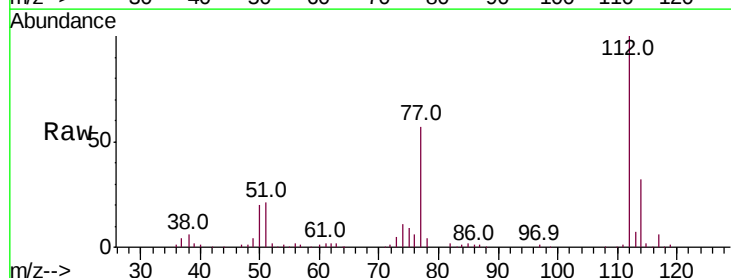
Tgt Ion: 112 Resp: 106860

Ion Ratio Lower Upper

112 100

114 32.1 23.0 42.8

77 57.0 46.4 69.6



Abundance Ion 112.10 (111.80 to 112.80): VV012024.D (-2423) (-)

Ion 114.05 (113.75 to 114.75): VV012024.D (-2423) (-)

Ion 77.10 (76.80 to 77.80): VV012024.D (-2423) (-)

8.92

80000

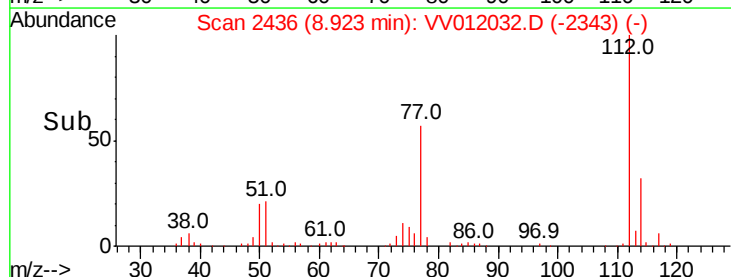
60000

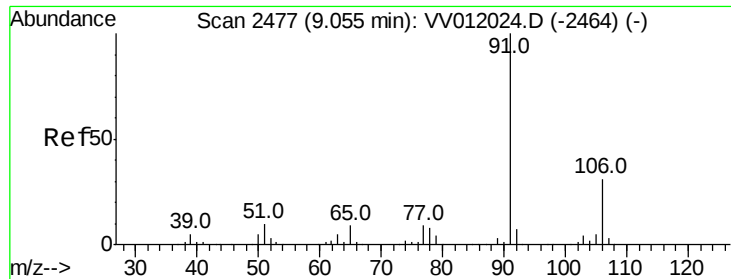
40000

20000

0

Time-->





#52

Ethylbenzene

Concen: 0.370 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012032.D

Acq: 25 Jul 2019 16:48

Instrument :

MSVOA_V

ClientSampleId :

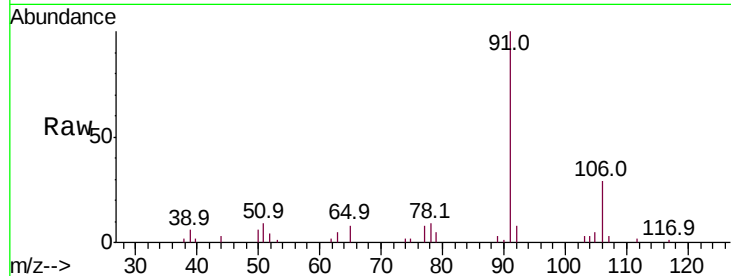
DB9A9MS

Tot Ion: 91 Resp: 14664

Ion Ratio Lower Upper

91 100

106 28.8 21.6 40.0



Abundance Ion 91.15 (90.85 to 91.85): VV012032.D (-2384) (-)

Ion 106.15 (105.85 to 106.85): VV012032.D (-2384) (-)

9.05

10000

8000

6000

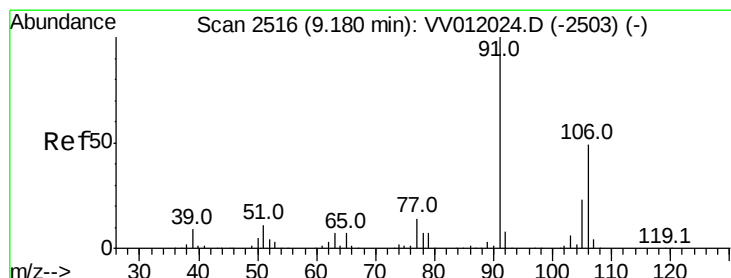
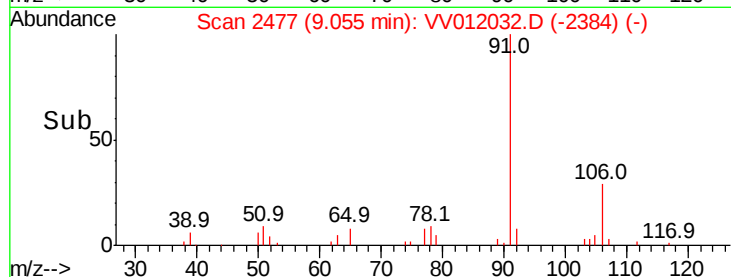
4000

2000

0

Time-->

9.00 9.05 9.10



#53

m,p-xylene

Concen: 1.718 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012032.D

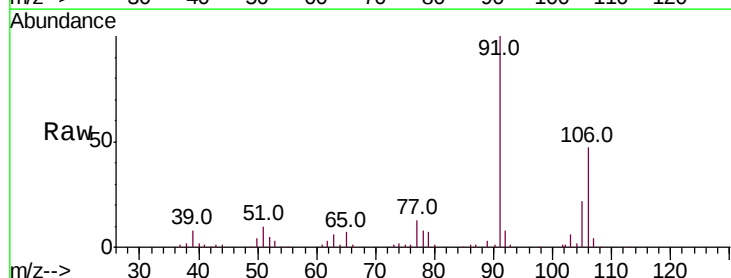
Acq: 25 Jul 2019 16:48

Tgt Ion: 106 Resp: 25900

Ion Ratio Lower Upper

106 100

91 213.9 142.7 265.1



Abundance Ion 106.15 (105.85 to 106.85): VV012032.D (-2423) (-)

Ion 91.15 (90.85 to 91.85): VV012032.D (-2423) (-)

9.18

30000

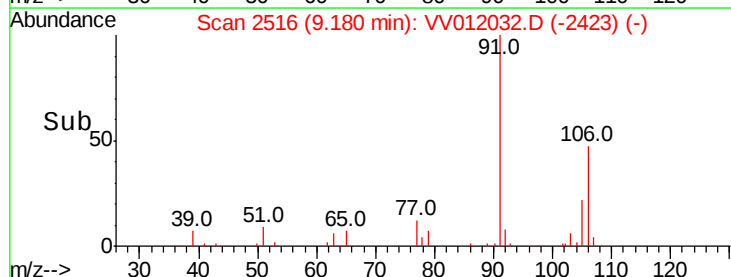
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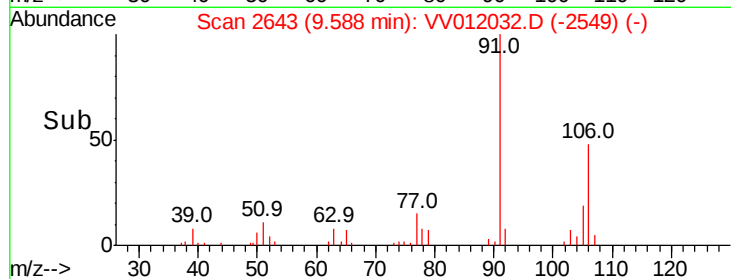
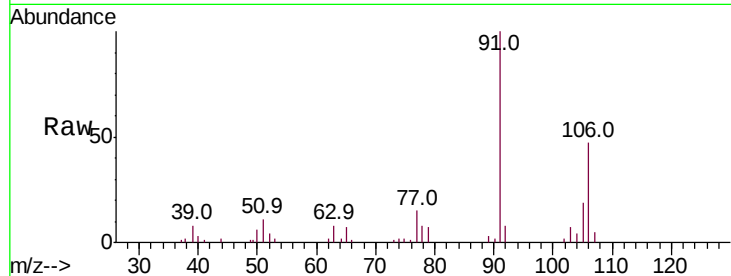
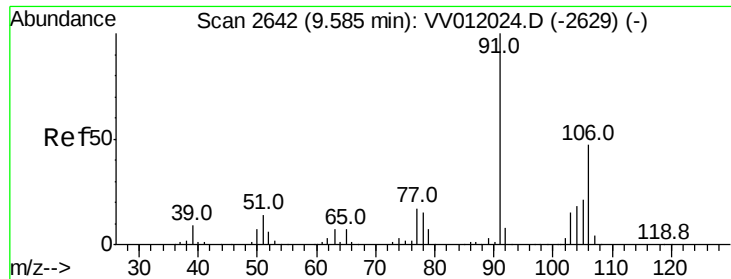
10000

0

Time-->

9.10 9.15 9.20 9.25





#54
o-xylene
Concen: 0.682 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV012032.D
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Tot Ion:106 Resp: 9751
Ion Ratio Lower Upper
106 100
91 212.6 151.0 280.4

