

Data File : VV010651.D
Acq On : 03 May 2019 07:33
Operator : SY/MD
Sample : K2604-22
Misc : 5.03G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAJ93

Quant Time: May 03 08:03:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis
QLast Update : Fri May 03 03:59:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	210620	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	181698	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	69387	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	38275	14.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	57.40%
7) Chloroethane-d5	1.58	69	34296	18.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.48%
10) 1,1-Dichloroethene-d2	2.12	63	58252	12.46	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	49.84%
20) 2-Butanone-d5	3.93	46	18837	23.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	46.44%
24) Chloroform-d	4.39	84	106645	19.60	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	78.40%
26) 1,2-Dichloroethane-d4	5.08	65	52869	16.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	67.84%#
29) Benzene-d6	5.09	84	228269	24.24	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.96%
33) 1,2-Dichloropropane-d6	6.11	67	68111	23.61	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.44%
37) Toluene-d8	7.36	98	197427	21.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.28%
38) trans-1,3-Dichloropropene-	7.66	79	18409	15.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	61.76%
39) 2-Hexanone-d5	8.13	63	13866	27.00	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	54.00%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	39576	15.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	60.88%
61) 1,2-Dichlorobenzene-d4	11.67	152	56662	21.22	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.88%

Target Compounds

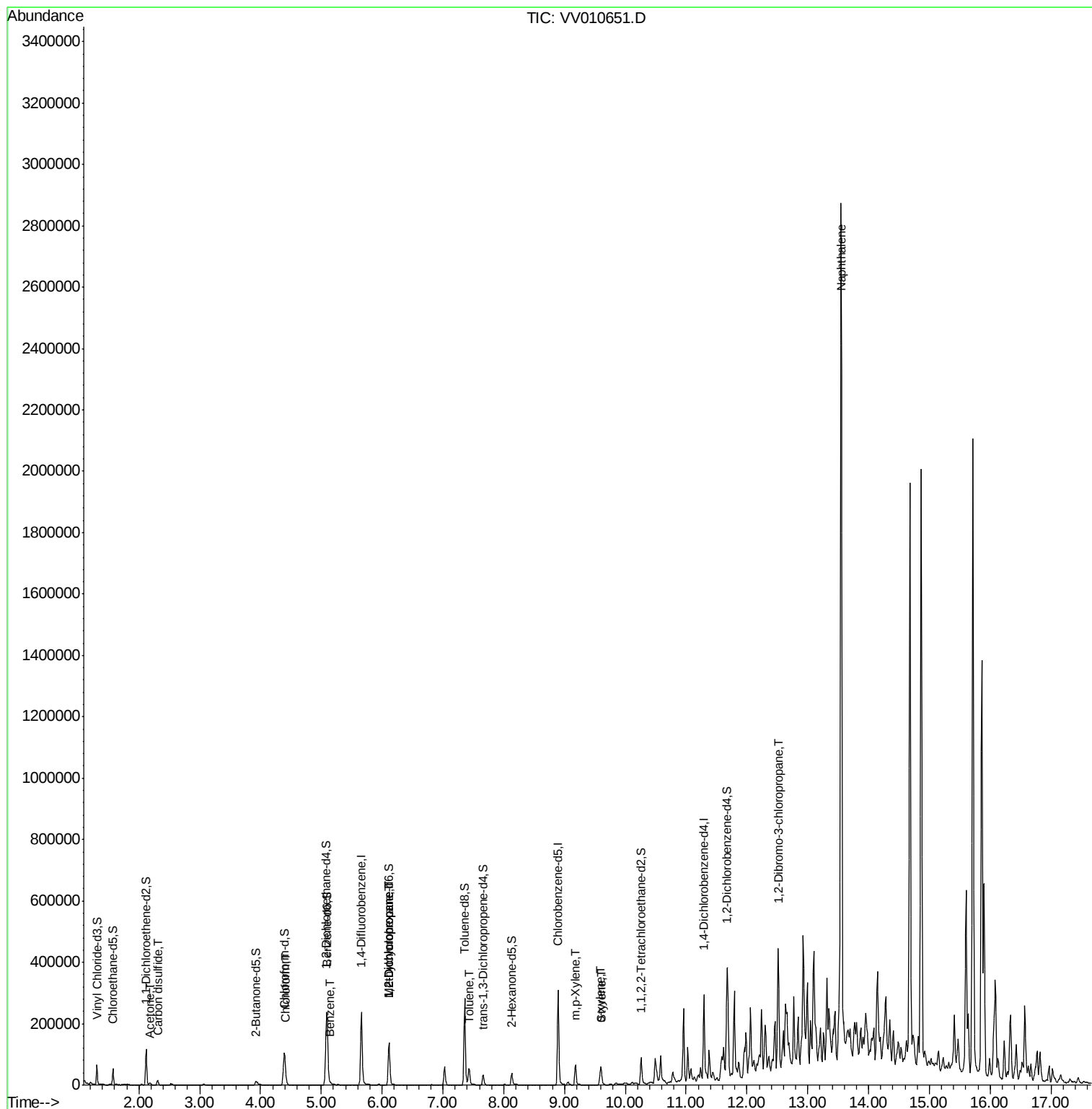
					Qvalue
13) Acetone	2.18	43	5943	8.545	ug/L 100
14) Carbon disulfide	2.31	76	16332	2.438	ug/L 96
25) Chloroform	4.42	83	4781	0.920	ug/L # 28
34) Benzene	5.15	78	5448	0.627	ug/L 100
36) Methylcyclohexane	6.11	83	15827	4.471	ug/L # 19
40) 1,2-Dichloropropane	6.11	63	7112	3.148	ug/L # 87
44) Toluene	7.43	91	40319	4.206	ug/L 99
54) m,p-Xylene	9.18	106	19349	4.710	ug/L 100
55) o-xylene	9.59	106	9482	2.362	ug/L 88
56) Styrene	9.60	104	24279	3.564	ug/L 98
66) 1,2-Dibromo-3-chloropropan	12.51	75	2254	7.840	ug/L # 1
69) Naphthalene	13.55	128	2104191	474.439	ug/L 99

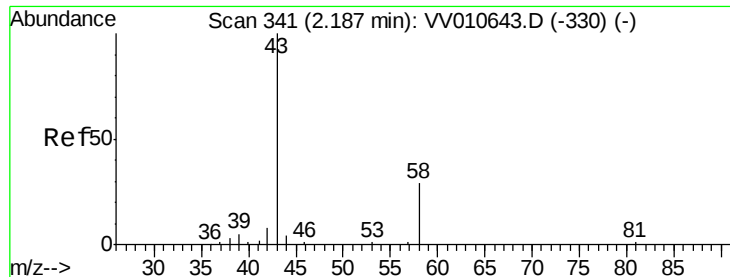
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 8.545 ug/L

RT: 2.18 min Scan# 339

Delta R.T. -0.01 min

Lab File: VV010651.D

Acq: 03 May 2019 07:33

Instrument :

MSVOA_V

ClientSampleId :

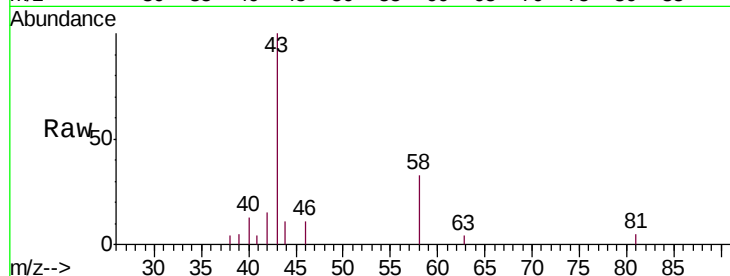
GAJ93

Tgt Ion: 43 Resp: 5943

Ion Ratio Lower Upper

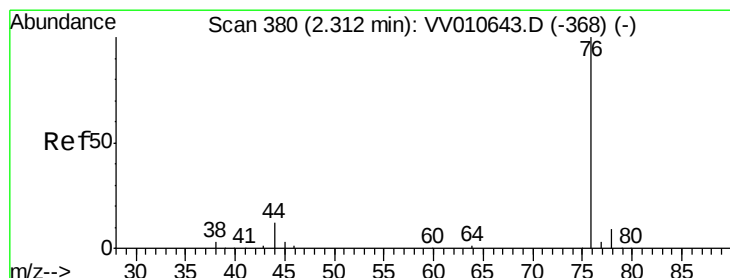
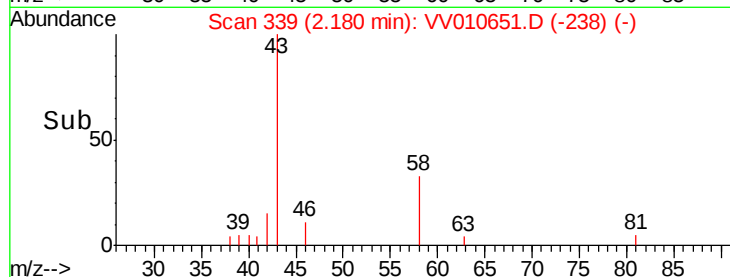
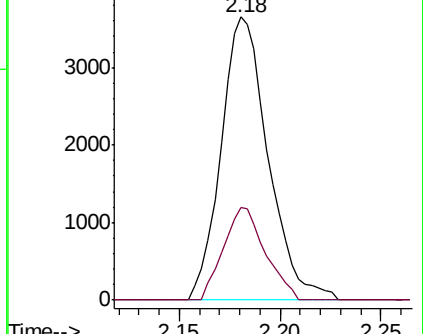
43 100

58 29.0 0.0 58.2



Abundance Ion 43.00 (42.70 to 43.70): VV010643.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV010643.D (-330) (-)



#14

Carbon disulfide

Concen: 2.438 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV010651.D

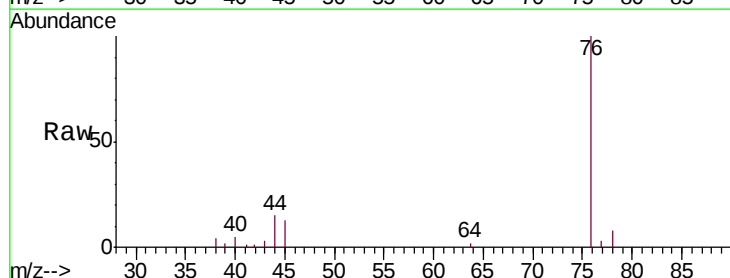
Acq: 03 May 2019 07:33

Tgt Ion: 76 Resp: 16332

Ion Ratio Lower Upper

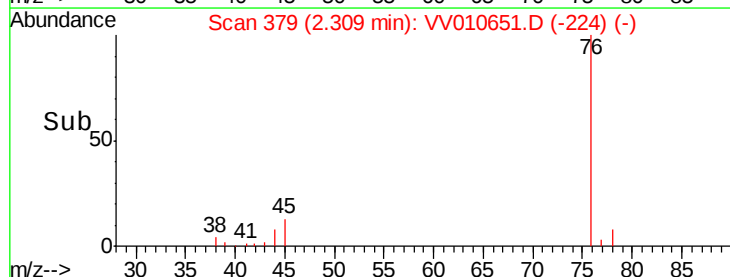
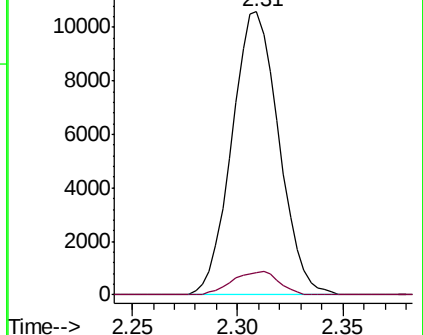
76 100

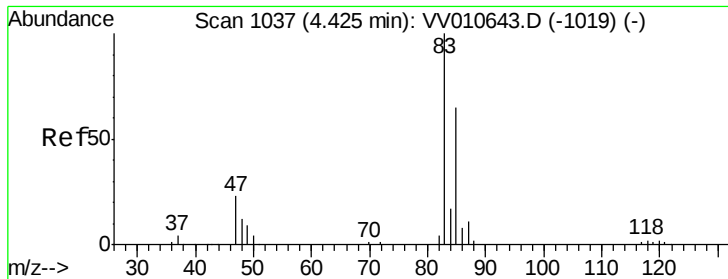
78 7.7 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV010643.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV010643.D (-368) (-)

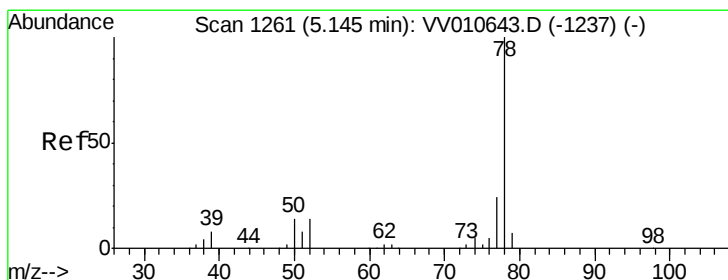
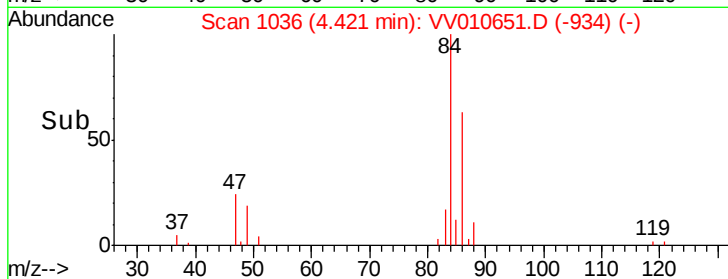
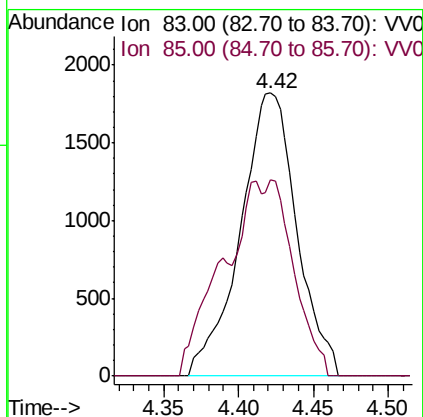
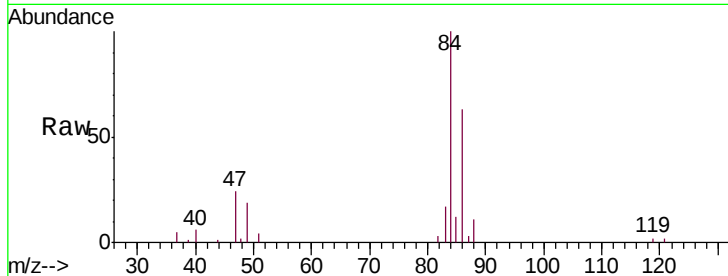




#25
Chloroform
Concen: 0.920 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV010651.D
Acq: 03 May 2019 07:33

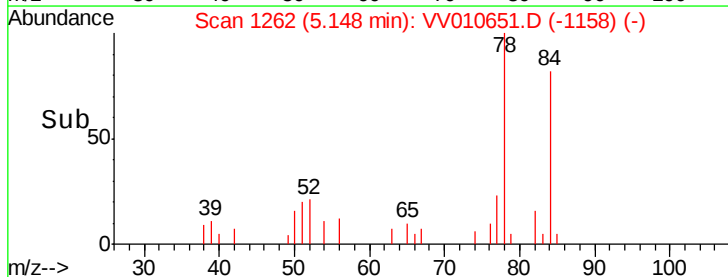
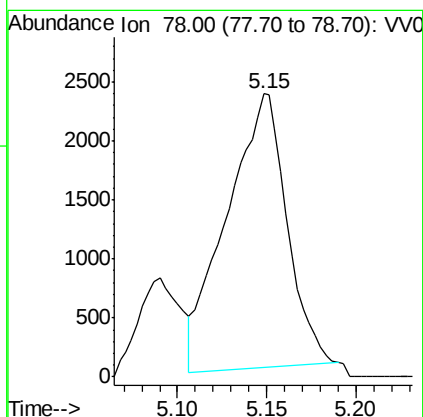
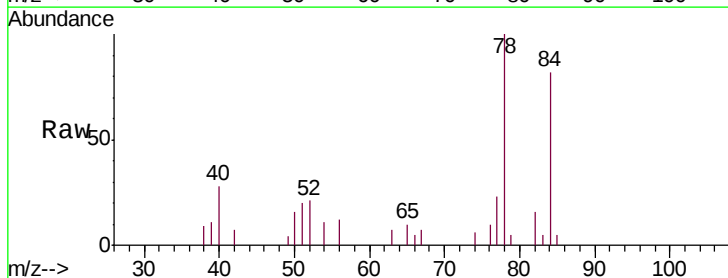
Instrument :
MSVOA_V
ClientSampled :
GAJ93

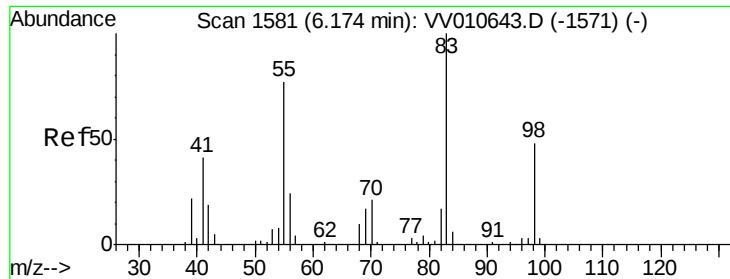
Tgt Ion: 83 Resp: 4781
Ion Ratio Lower Upper
83 100
85 8.9 46.3 86.1#



#34
Benzene
Concen: 0.627 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV010651.D
Acq: 03 May 2019 07:33

Tgt Ion: 78 Resp: 5448

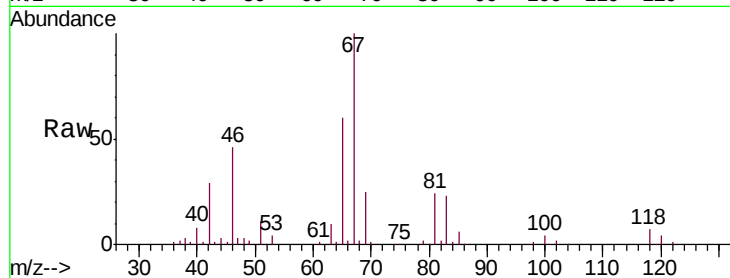




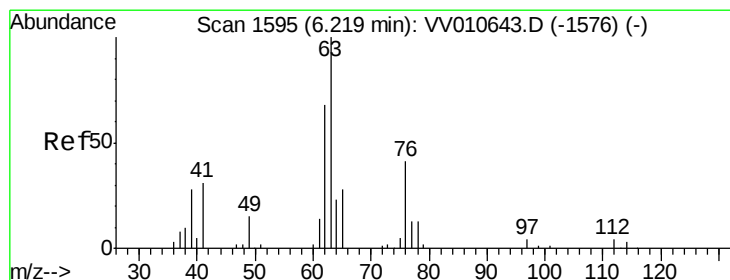
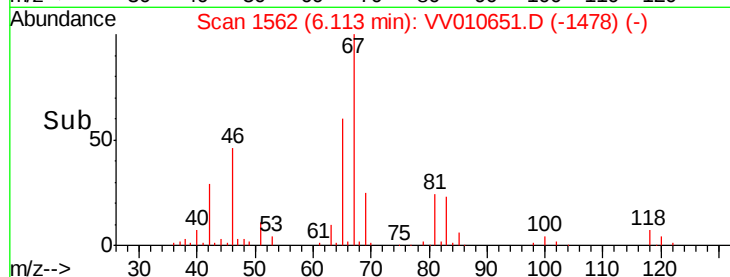
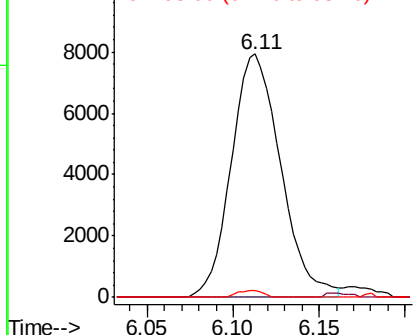
#36
Methylcyclohexane
Concen: 4.471 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV010651.D
Acq: 03 May 2019 07:33

Instrument :
MSVOA_V
ClientSampleId :
GAJ93

Tgt Ion: 83 Resp: 15827
Ion Ratio Lower Upper
83 100
55 0.0 61.4 92.0#
98 1.4 37.4 56.2#

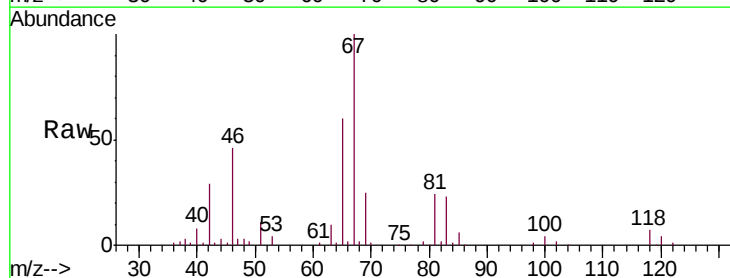


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

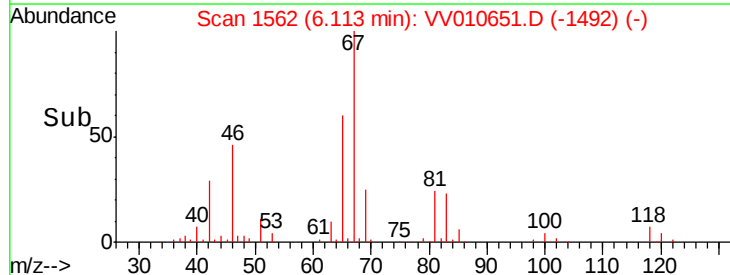
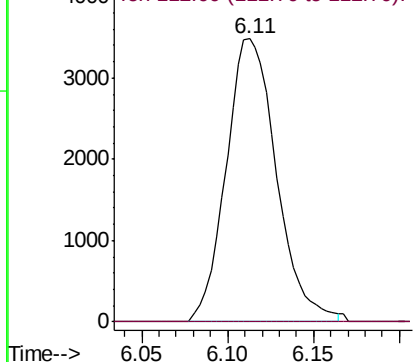


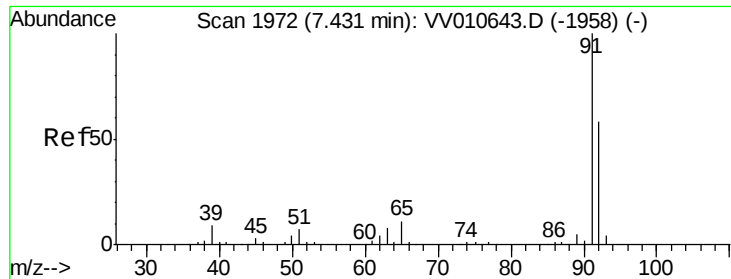
#40
1,2-Dichloropropane
Concen: 3.148 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.11 min
Lab File: VV010651.D
Acq: 03 May 2019 07:33

Tgt Ion: 63 Resp: 7112
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V





#44

Toluene

Concen: 4.206 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010651.D

Acq: 03 May 2019 07:33

Instrument :

MSVOA_V

ClientSampleId :

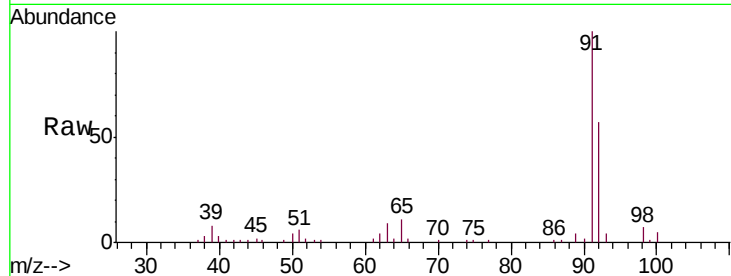
GAJ93

Tgt Ion: 91 Resp: 40319

Ion Ratio Lower Upper

91 100

92 56.8 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV010643.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV010643.D (-1958) (-)

7.43

25000

20000

15000

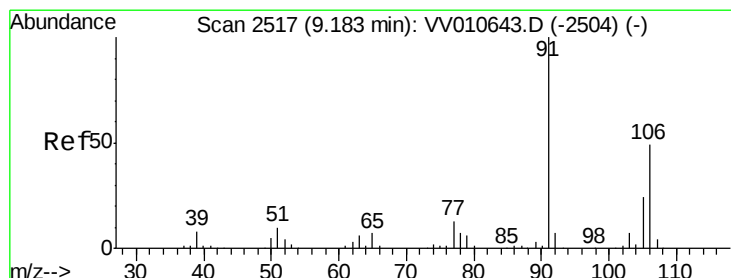
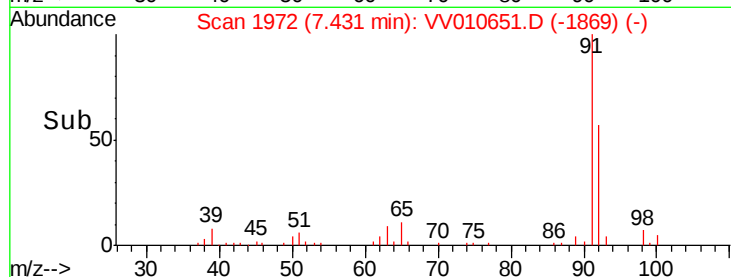
10000

5000

0

Time-->

7.35 7.40 7.45 7.50



#54

m,p-Xylene

Concen: 4.710 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV010651.D

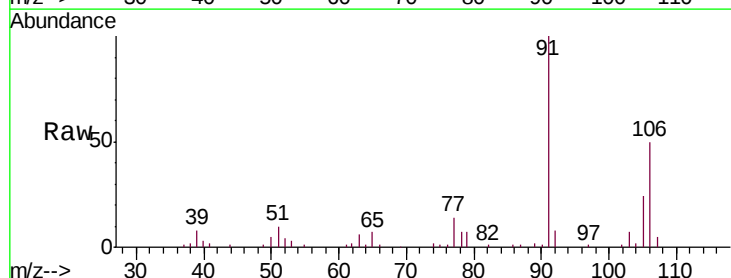
Acq: 03 May 2019 07:33

Tgt Ion: 106 Resp: 19349

Ion Ratio Lower Upper

106 100

91 200.2 140.4 260.8



Abundance Ion 106.00 (105.70 to 106.70): VV010643.D (-2504) (-)

Ion 91.00 (90.70 to 91.70): VV010643.D (-2504) (-)

9.18

25000

20000

15000

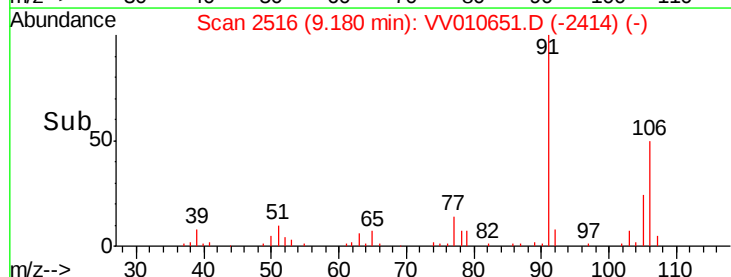
10000

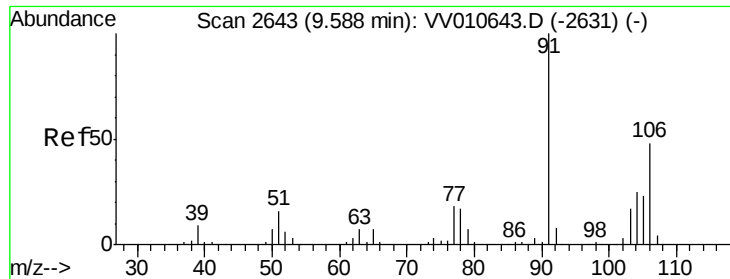
5000

0

Time-->

9.15 9.20 9.25

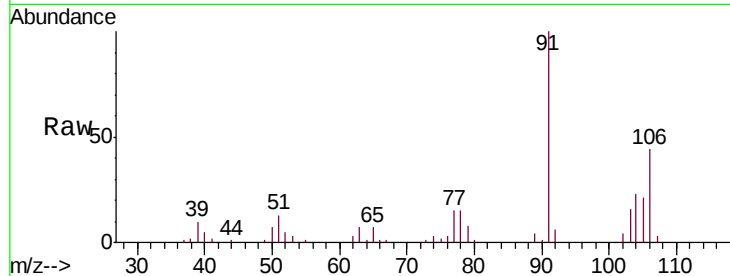




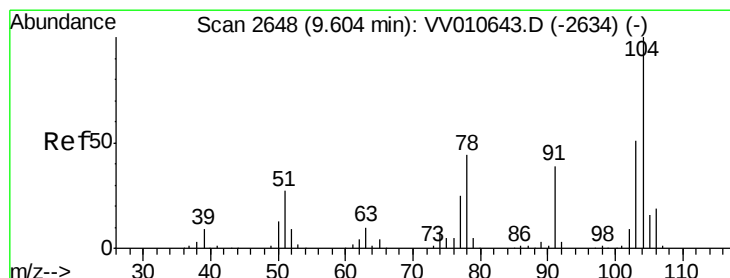
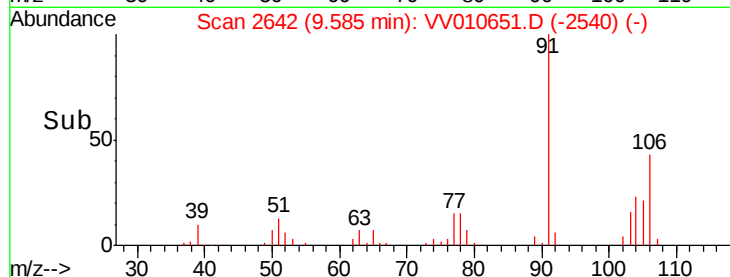
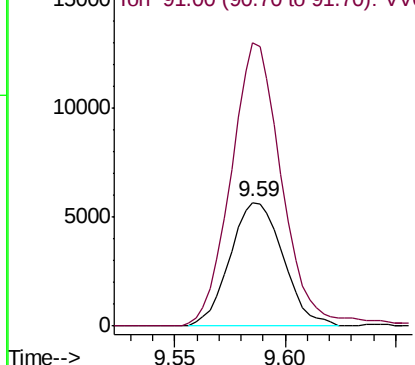
#55
o-xylene
Concen: 2.362 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV010651.D
Acq: 03 May 2019 07:33

Instrument :
MSVOA_V
ClientSampled :
GAJ93

Tgt Ion:106 Resp: 9482
Ion Ratio Lower Upper
106 100
91 229.3 147.3 273.5

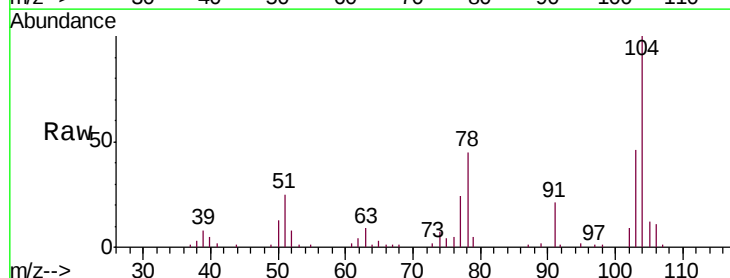


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

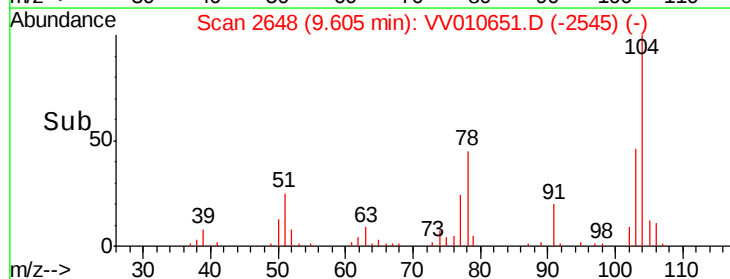
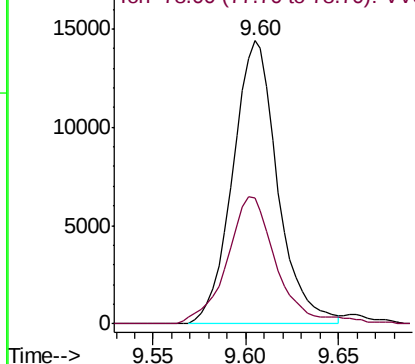


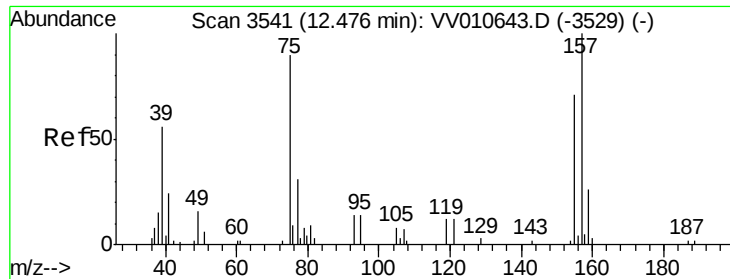
#56
Styrene
Concen: 3.564 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV010651.D
Acq: 03 May 2019 07:33

Tgt Ion:104 Resp: 24279
Ion Ratio Lower Upper
104 100
78 44.6 30.4 56.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0

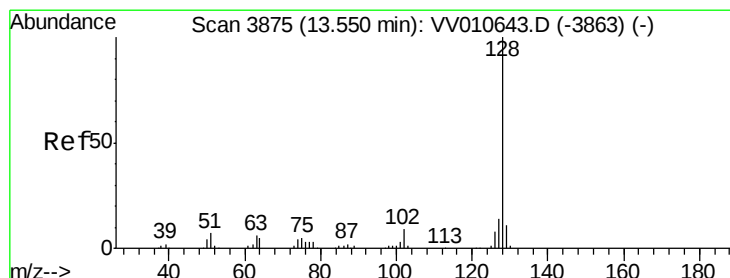
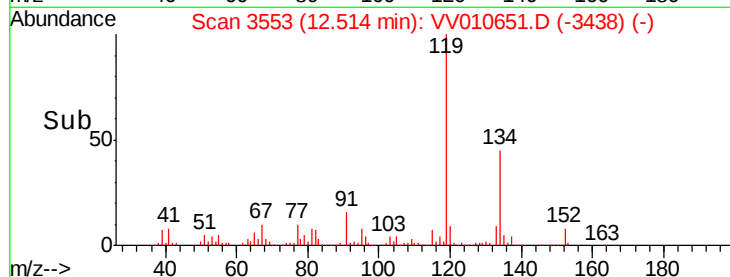
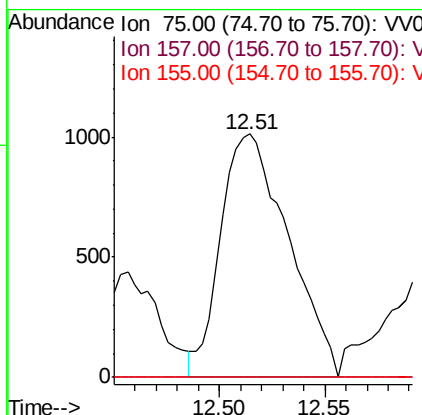
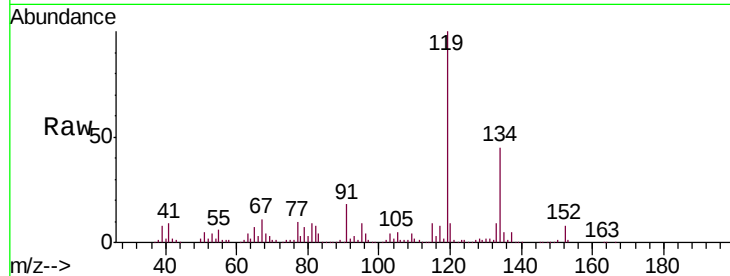




#66
 1,2-Dibromo-3-chloropropane
 Concen: 7.840 ug/L
 RT: 12.51 min Scan# 3553
 Delta R.T. 0.04 min
 Lab File: VV010651.D
 Acq: 03 May 2019 07:33

Instrument :
 MSVOA_V
 ClientSampled :
 GAJ93

Tgt Ion: 75 Resp: 2254
 Ion Ratio Lower Upper
 75 100
 157 0.0 91.1 136.7#
 155 0.0 61.0 91.6#



#69
 Naphthalene
 Concen: 474.439 ug/L
 RT: 13.55 min Scan# 3875
 Delta R.T. 0.00 min
 Lab File: VV010651.D
 Acq: 03 May 2019 07:33

Tgt Ion: 128 Resp: 2104191
 Ion Ratio Lower Upper
 128 100
 129 11.2 8.6 13.0
 127 12.9 10.6 15.8

