

Data File : VV012033.D
Acq On : 25 Jul 2019 17:14
Operator : SY/MD
Sample : K3960-06MSD
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB9A9MSD

Quant Time: Jul 26 02:39:50 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	135362	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	132405	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	66138	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	30301	4.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.20%
7) Chloroethane-d5	1.58	69	26229	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.80%
11) 1,1-Dichloroethene-d2	2.14	63	63181	4.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.20%
20) 2-Butanone-d5	3.94	46	106293	51.69	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.38%
24) Chloroform-d	4.40	84	85340	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	5.08	65	49159	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
32) Benzene-d6	5.10	84	172227	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.12	67	51457	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.40%
41) Toluene-d8	7.36	98	152202	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.80%
43) trans-1,3-Dichloropropene-	7.66	79	18678	4.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.20%
46) 2-Hexanone-d5	8.13	63	86301	50.11	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.22%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	37275	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	65653	5.15	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.00%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	10581	1.303 ug/L	95
8) Chloroethane	1.60	64	551	0.112 ug/L	89
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	558	0.081 ug/L #	17
12) 1,1-Dichloroethene	2.14	96	26194	4.252 ug/L	91
25) Chloroform	4.43	83	6015	0.294 ug/L	96
33) Benzene	5.15	78	164555	4.225 ug/L	100
34) Trichloroethene	5.96	95	44344	4.100 ug/L	98
35) Methylcyclohexane	6.12	83	13302	0.790 ug/L #	22
37) 1,2-Dichloropropane	6.11	63	6265	0.669 ug/L #	84
39) cis-1,3-Dichloropropene	7.03	75	1406	0.101 ug/L #	61
42) Toluene	7.43	91	223091	5.336 ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	1049	0.095 ug/L #	71
51) Chlorobenzene	8.92	112	122263	4.466 ug/L	99
52) Ethylbenzene	9.06	91	17633	0.370 ug/L	98
53) m,p-xylene	9.18	106	29901	1.646 ug/L	100
54) o-xylene	9.59	106	11520	0.669 ug/L	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072519\
Quantitation Report (Not Reviewed)

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QLast Update : Fri Jul 26 02:35:49 2019
Response via : Initial Calibration

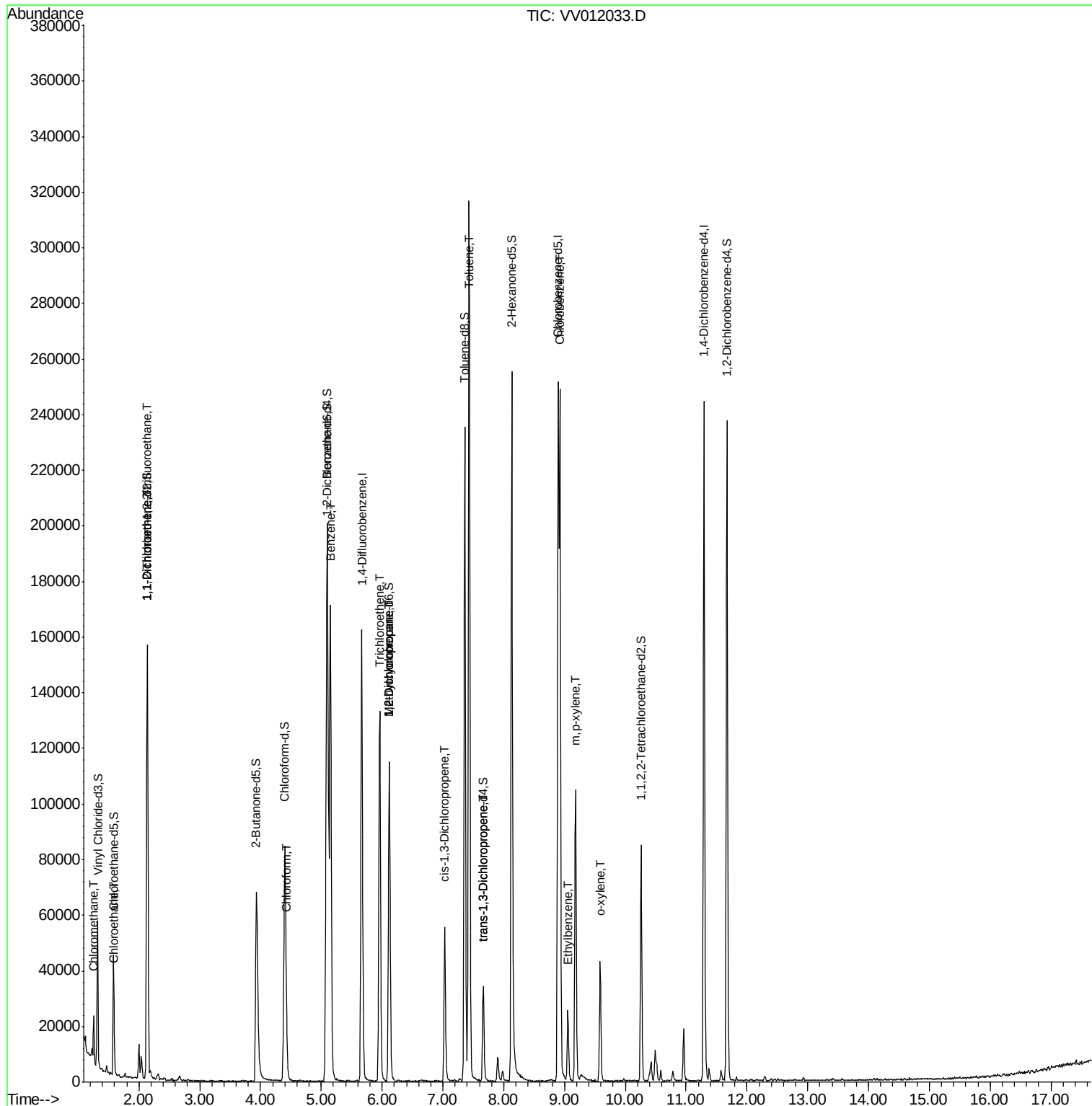
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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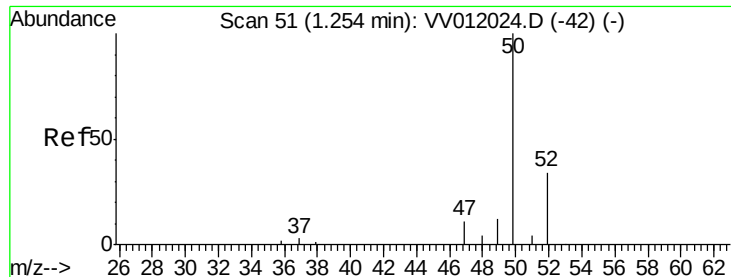
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 26 02:35:49 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 1.303 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012033.D

Acq: 25 Jul 2019 17:14

Instrument :

MSVOA_V

ClientSampleId :

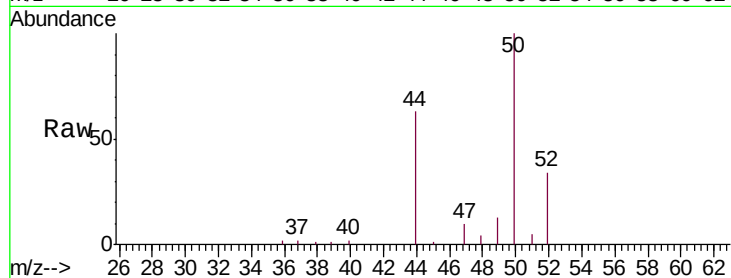
DB9A9MSD

Tgt Ion: 50 Resp: 10581

Ion Ratio Lower Upper

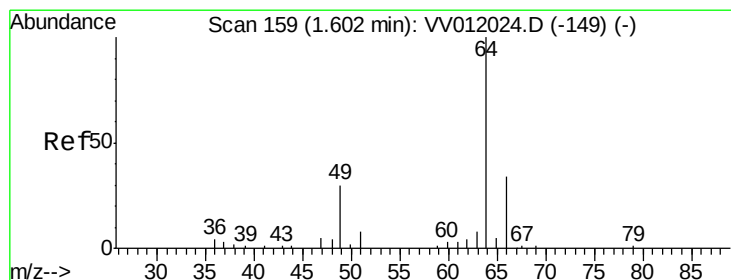
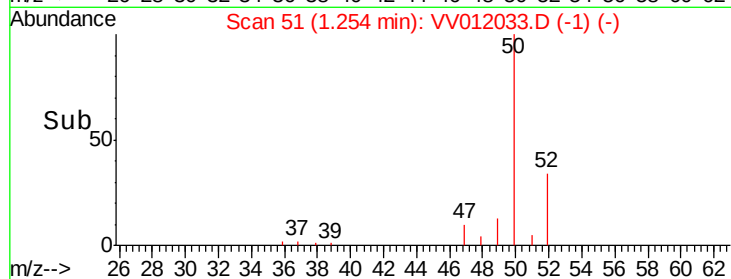
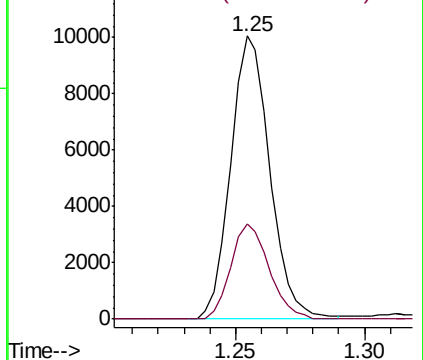
50 100

52 33.7 21.6 40.2



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#8

Chloroethane

Concen: 0.112 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV012033.D

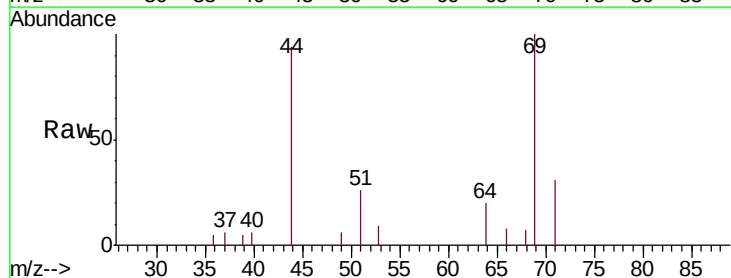
Acq: 25 Jul 2019 17:14

Tgt Ion: 64 Resp: 551

Ion Ratio Lower Upper

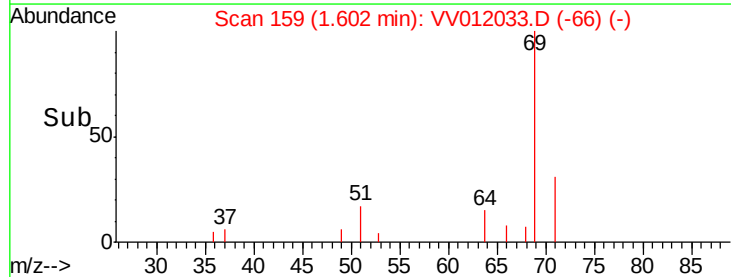
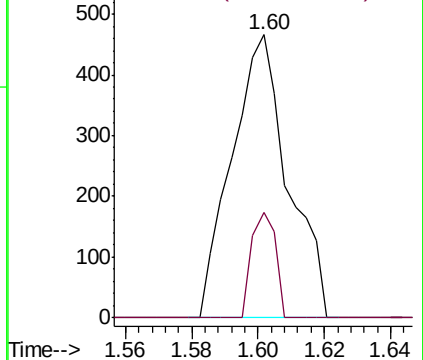
64 100

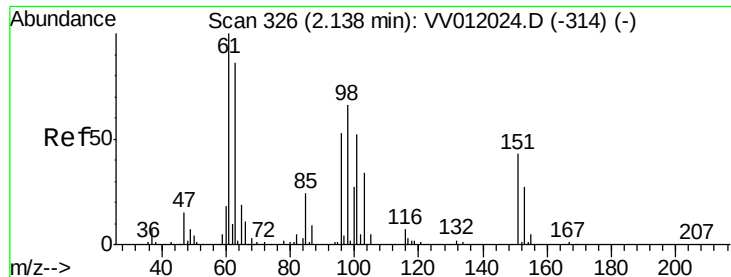
66 37.3 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.081 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV012033.D

Acq: 25 Jul 2019 17:14

Instrument :

MSVOA_V

ClientSampleId :

DB9A9MSD

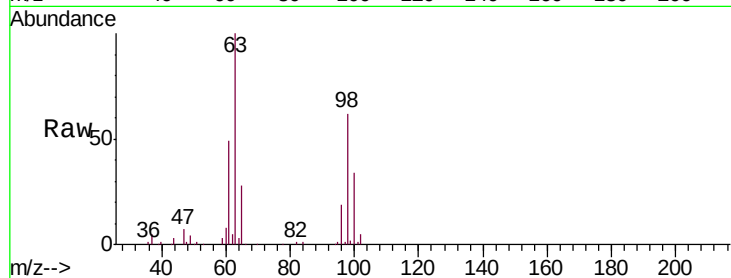
Tgt Ion: 101 Resp: 558

Ion Ratio Lower Upper

101 100

85 3.6 37.0 55.6#

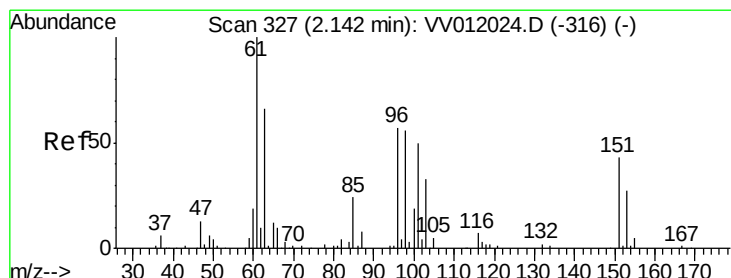
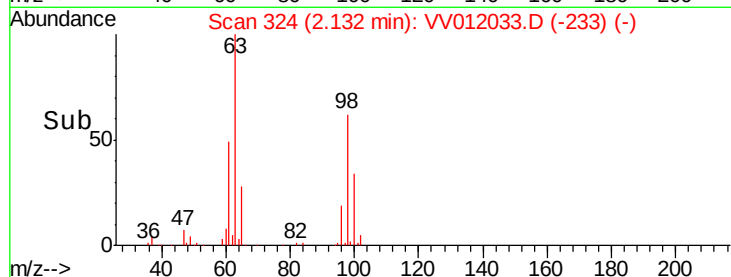
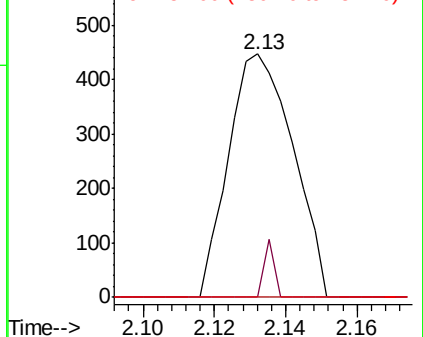
151 0.0 68.3 102.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.252 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV012033.D

Acq: 25 Jul 2019 17:14

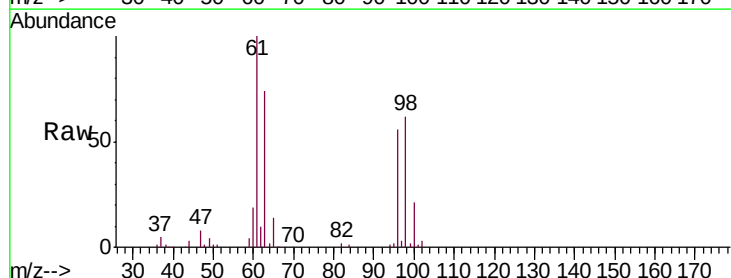
Tgt Ion: 96 Resp: 26194

Ion Ratio Lower Upper

96 100

61 179.4 132.7 246.5

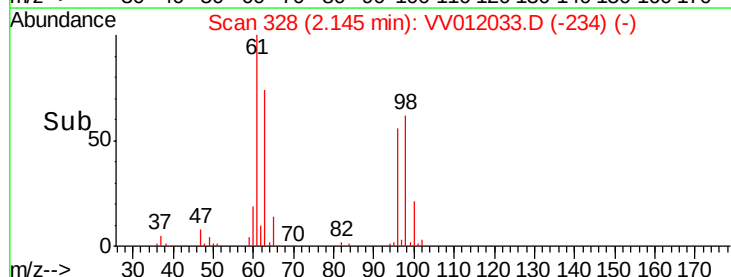
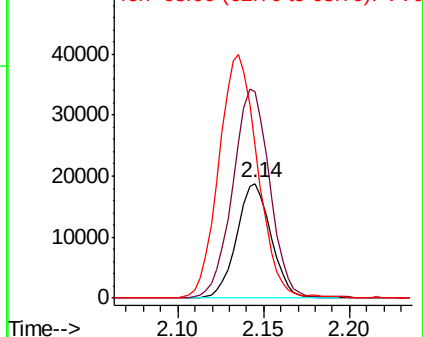
63 133.0 104.0 193.1

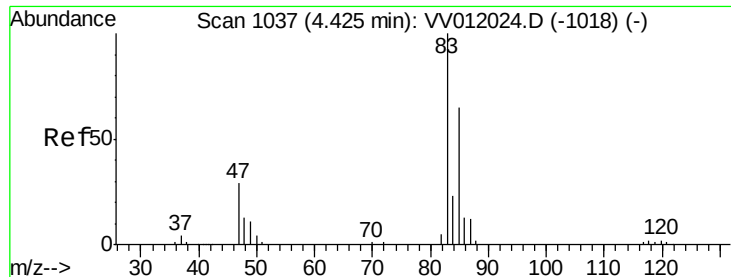


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

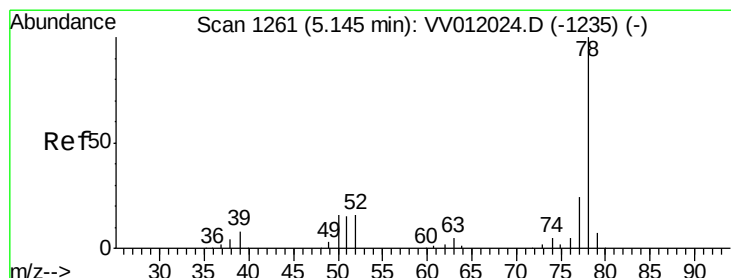
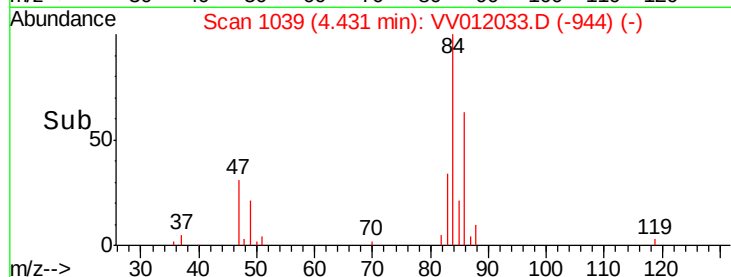
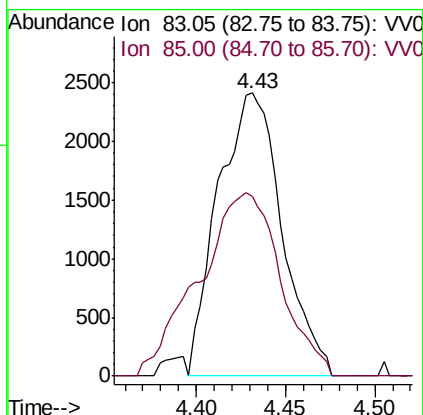
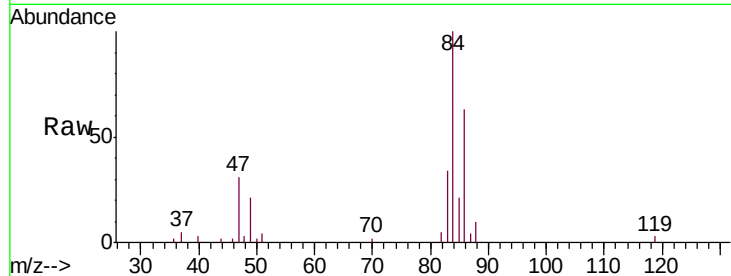




#25
Chloroform
Concen: 0.294 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VV012033.D
Acq: 25 Jul 2019 17:14

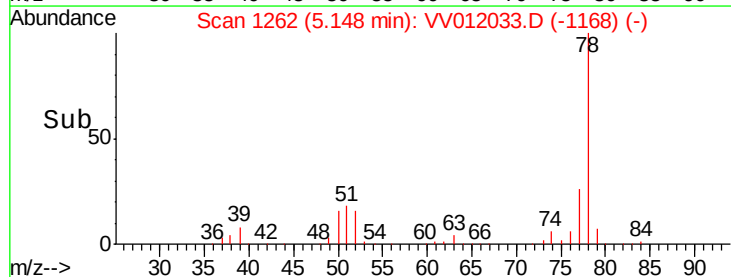
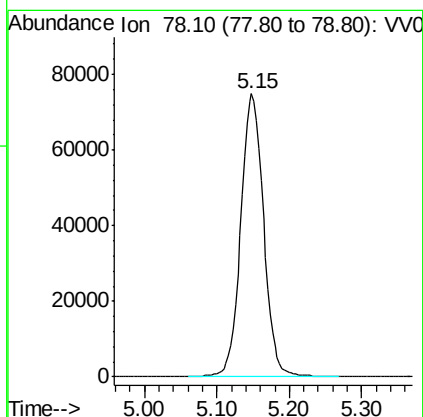
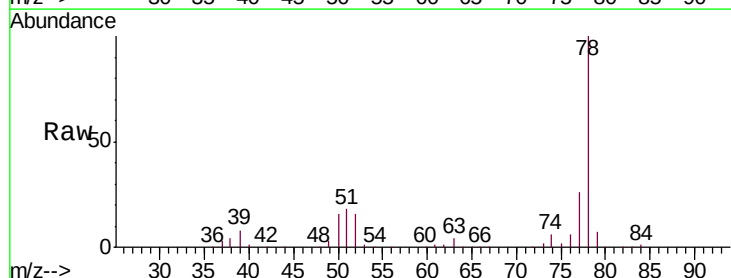
Instrument :
MSVOA_V
ClientSampleId :
DB9A9MSD

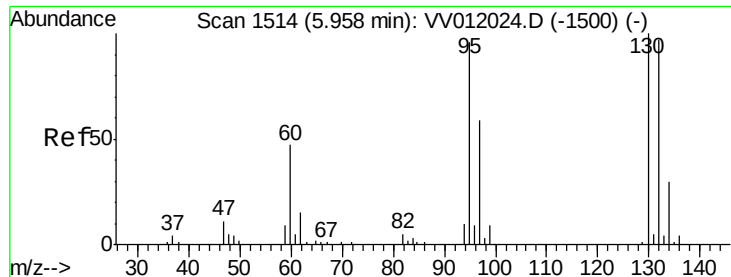
Tgt Ion: 83 Resp: 6015
Ion Ratio Lower Upper
83 100
85 63.4 46.5 86.3



#33
Benzene
Concen: 4.225 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV012033.D
Acq: 25 Jul 2019 17:14

Tgt Ion: 78 Resp: 164555





#34

Trichloroethene

Concen: 4.100 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV012033.D

Acq: 25 Jul 2019 17:14

Instrument :

MSVOA_V

ClientSampleId :

DB9A9MSD

Tgt Ion: 95 Resp: 44344

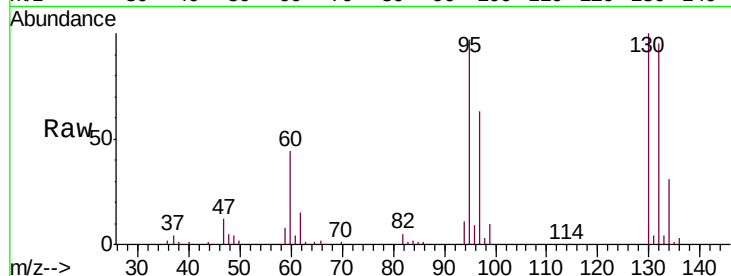
Ion Ratio Lower Upper

95 100

97 65.5 45.6 84.6

132 98.3 71.3 132.3

130 103.6 72.8 135.2

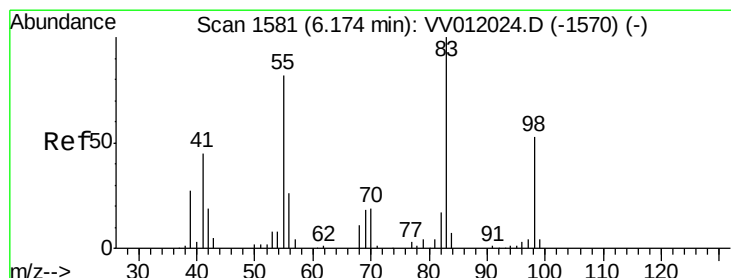
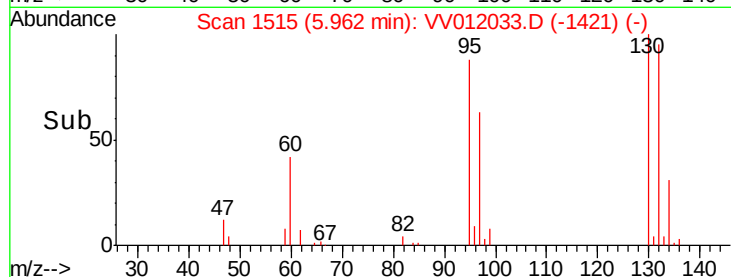
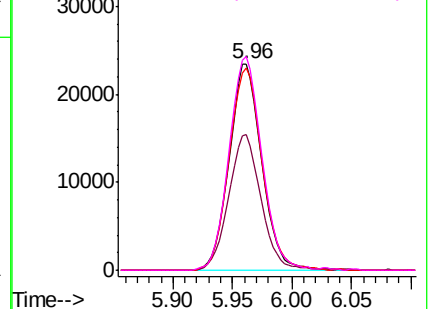


Abundance Ion 95.00 (94.70 to 95.70): VV0

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



#35

Methylcyclohexane

Concen: 0.790 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.05 min

Lab File: VV012033.D

Acq: 25 Jul 2019 17:14

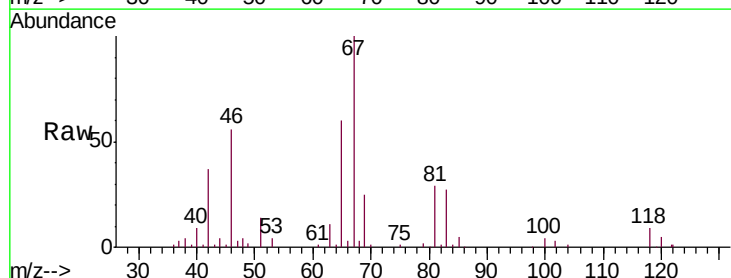
Tgt Ion: 83 Resp: 13302

Ion Ratio Lower Upper

83 100

55 0.0 63.0 94.4#

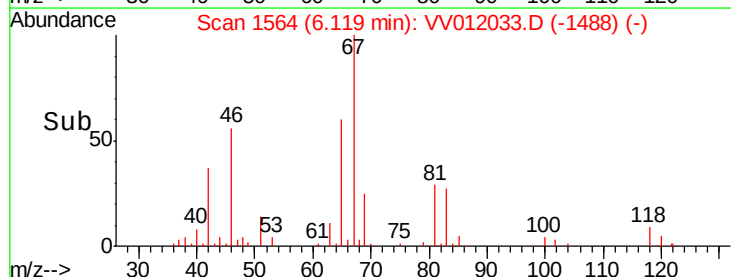
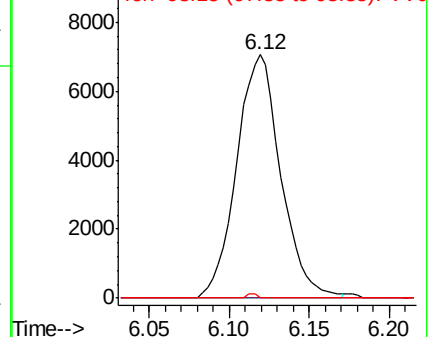
98 9.9 41.4 62.0#

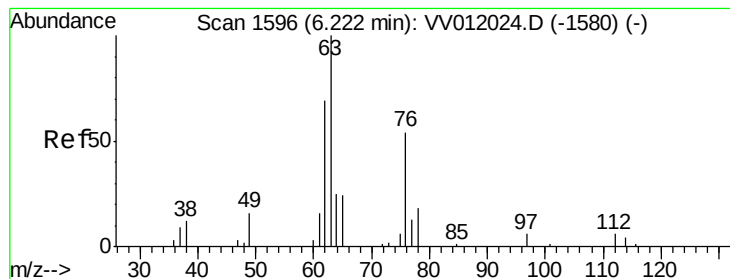


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.669 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.11 min

Lab File: VV012033.D

Acq: 25 Jul 2019 17:14

Instrument :

MSVOA_V

ClientSampleId :

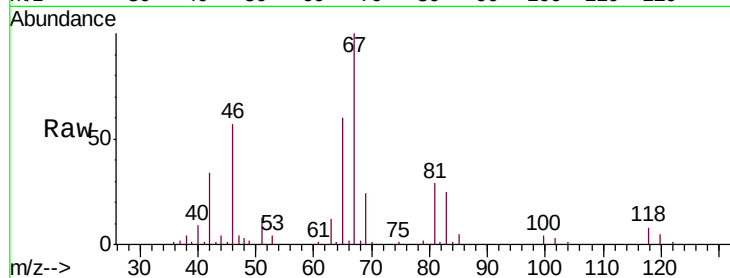
DB9A9MSD

Tgt Ion: 63 Resp: 6265

Ion Ratio Lower Upper

63 100

112 0.0 4.2 6.4#



Abundance Ion 63.10 (62.80 to 63.80): VV012024.D (-1580) (-)

Ion 112.10 (111.80 to 112.80): VV012024.D (-1580) (-)

6.11

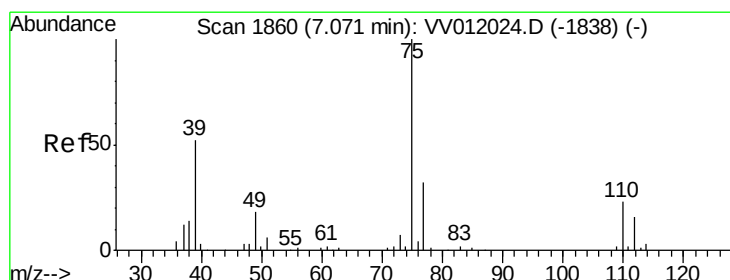
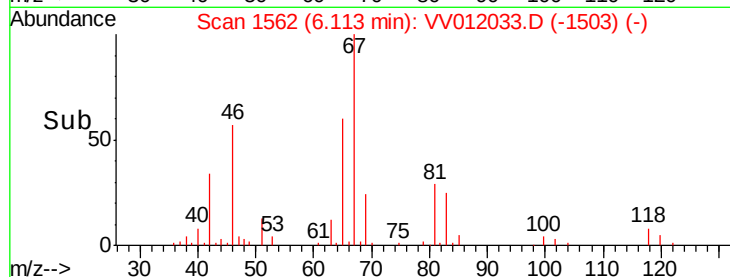
3000

2000

1000

0

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.101 ug/L

RT: 7.03 min Scan# 1846

Delta R.T. -0.04 min

Lab File: VV012033.D

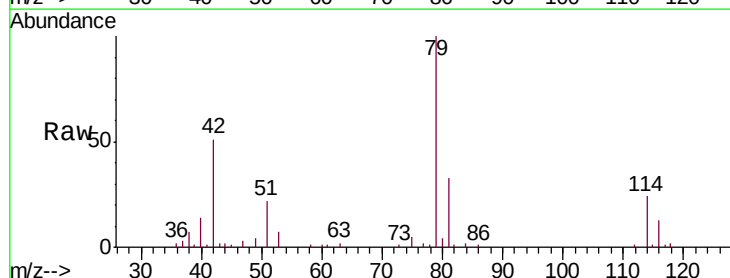
Acq: 25 Jul 2019 17:14

Tgt Ion: 75 Resp: 1406

Ion Ratio Lower Upper

75 100

77 51.9 21.3 39.6#



Abundance Ion 75.05 (74.75 to 75.75): VV012024.D (-1838) (-)

Ion 77.05 (76.75 to 77.75): VV012024.D (-1838) (-)

7.03

800

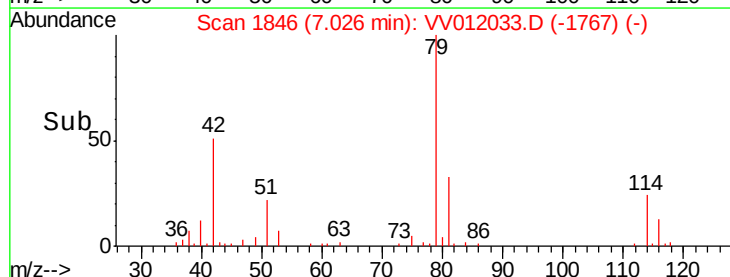
600

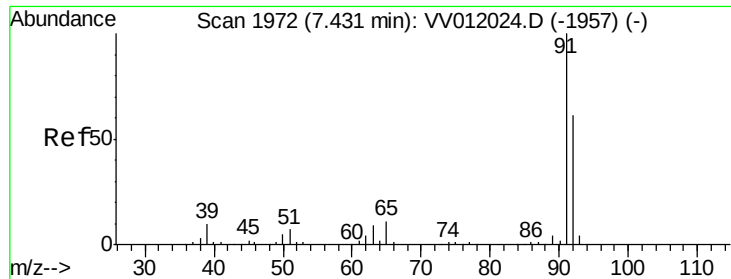
400

200

0

Time-->





#42

Toluene

Concen: 5.336 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012033.D

Acq: 25 Jul 2019 17:14

Instrument :

MSVOA_V

ClientSampleId :

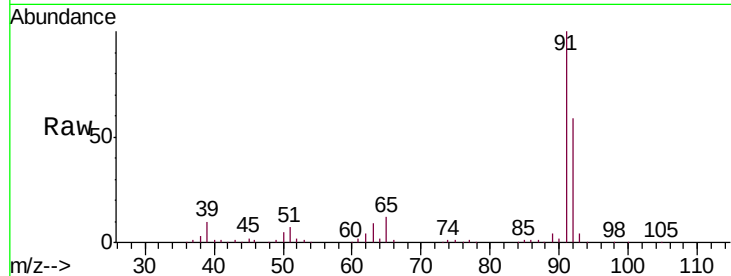
DB9A9MSD

Tgt Ion: 91 Resp: 223091

Ion Ratio Lower Upper

91 100

92 58.7 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

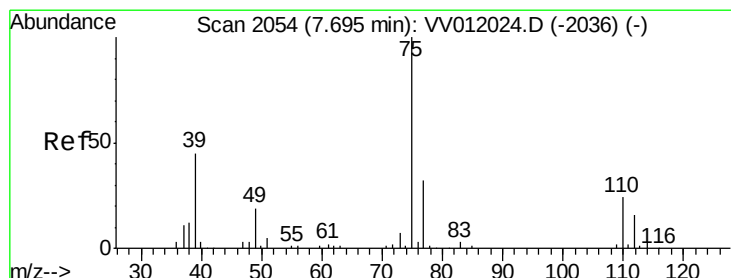
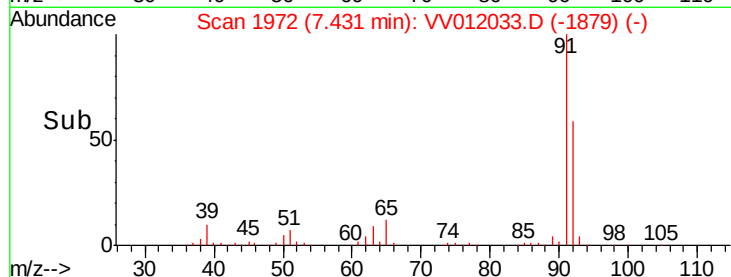
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.095 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.03 min

Lab File: VV012033.D

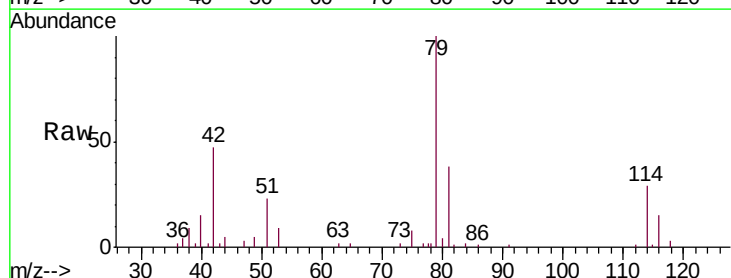
Acq: 25 Jul 2019 17:14

Tgt Ion: 75 Resp: 1049

Ion Ratio Lower Upper

75 100

77 47.3 22.0 40.8#



Abundance Ion 75.05 (74.75 to 75.75): VV012024.D (-2036) (-)

Ion 77.05 (76.75 to 77.75): VV012024.D (-2036) (-)

7.67

800

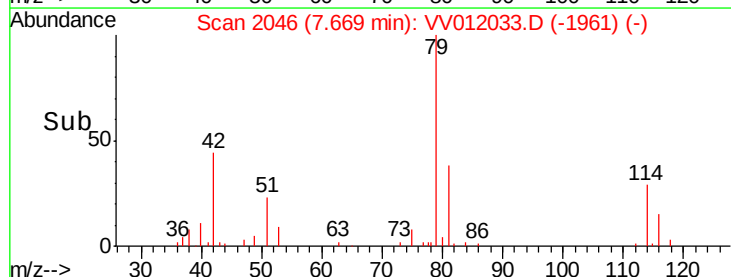
600

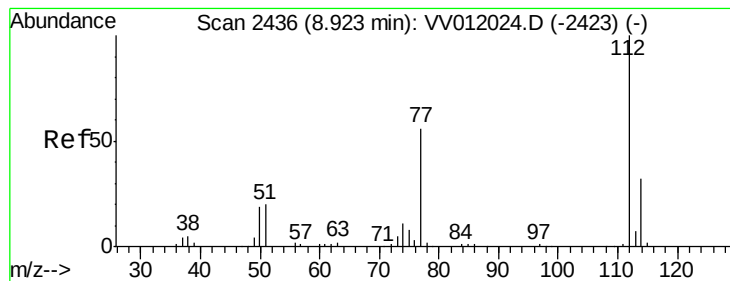
400

200

0

Time-->





#51

Chlorobenzene

Concen: 4.466 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV012033.D

Acq: 25 Jul 2019 17:14

Instrument :

MSVOA_V

ClientSampleId :

DB9A9MSD

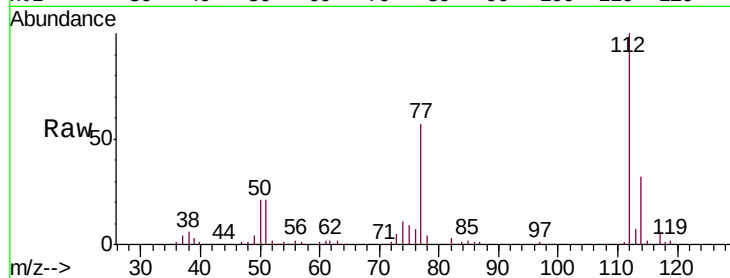
Tgt Ion: 112 Resp: 122263

Ion Ratio Lower Upper

112 100

114 32.4 23.0 42.8

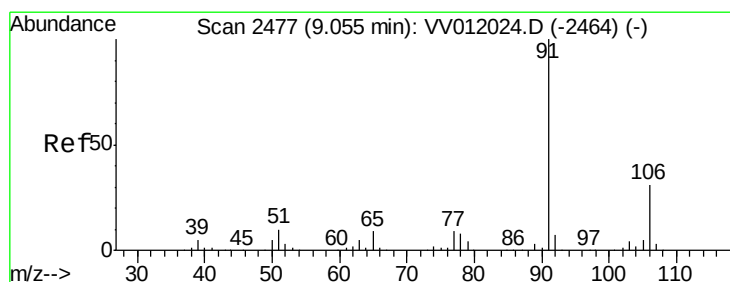
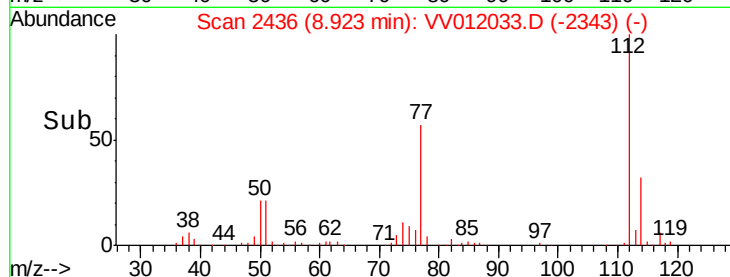
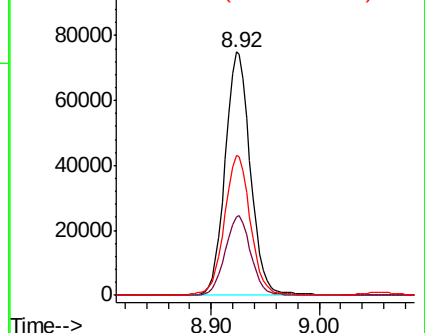
77 57.4 46.4 69.6



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V



#52

Ethylbenzene

Concen: 0.370 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV012033.D

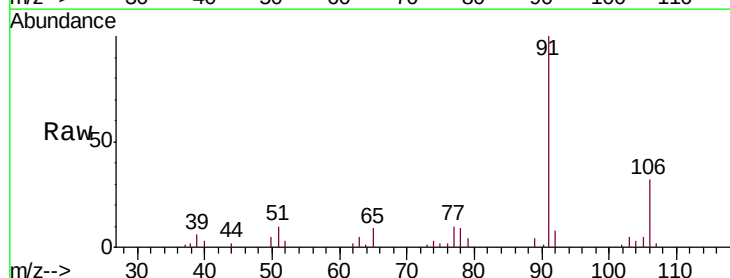
Acq: 25 Jul 2019 17:14

Tgt Ion: 91 Resp: 17633

Ion Ratio Lower Upper

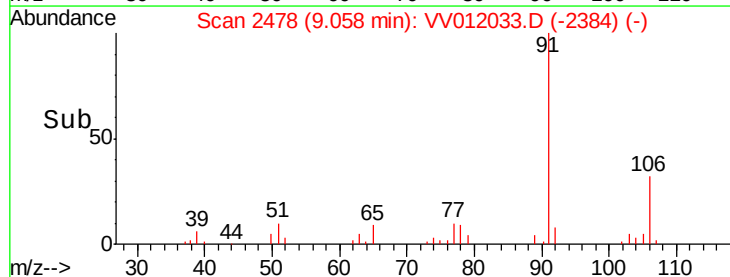
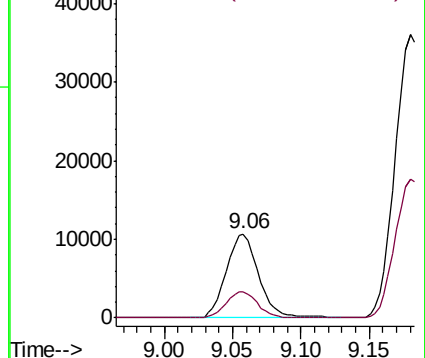
91 100

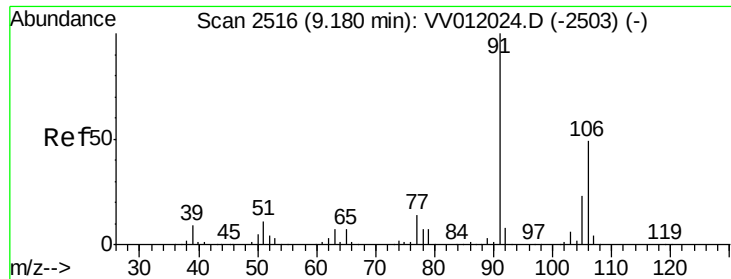
106 31.8 21.6 40.0



Abundance Ion 91.15 (90.85 to 91.85): V

Ion 106.15 (105.85 to 106.85): V





#53

m,p-xylene

Concen: 1.646 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012033.D

Acq: 25 Jul 2019 17:14

Instrument :

MSVOA_V

ClientSampleId :

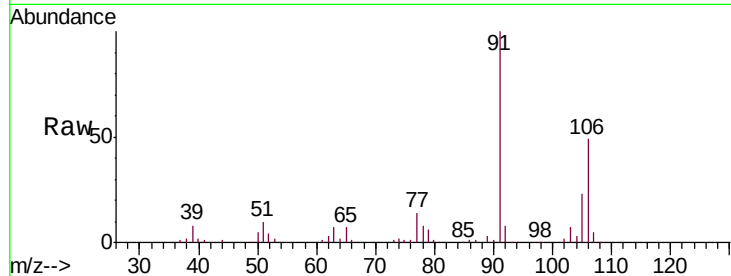
DB9A9MSD

Tgt Ion:106 Resp: 29901

Ion Ratio Lower Upper

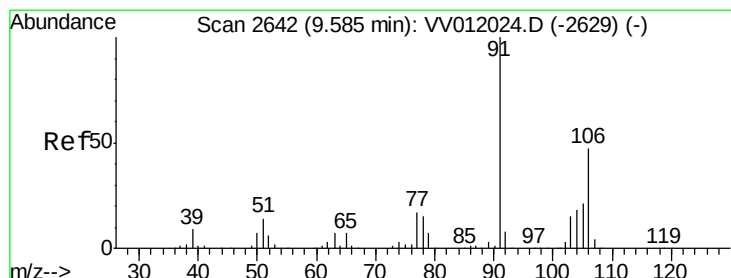
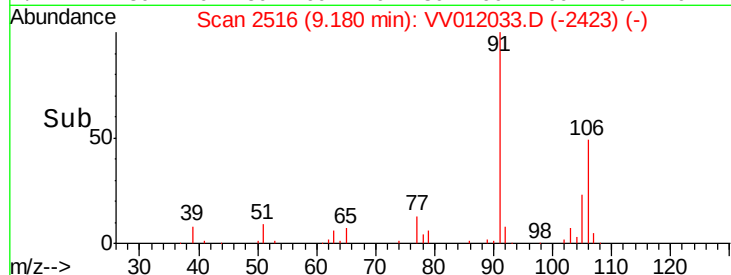
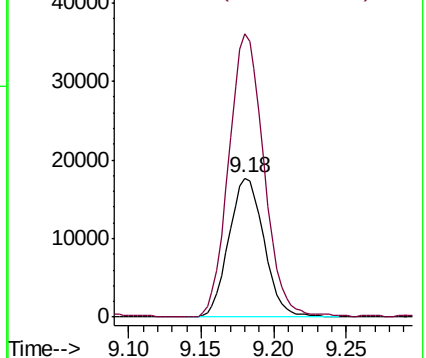
106 100

91 203.4 142.7 265.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#54

o-xylene

Concen: 0.669 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV012033.D

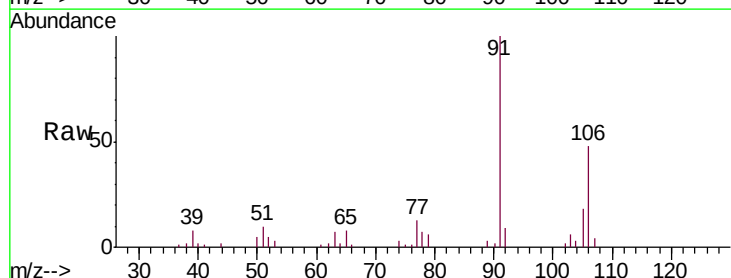
Acq: 25 Jul 2019 17:14

Tgt Ion:106 Resp: 11520

Ion Ratio Lower Upper

106 100

91 207.6 151.0 280.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

