

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041319\
 Data File : VV010326.D
 Acq On : 13 Apr 2019 18:43
 Operator : SY/MD
 Sample : K2297-04MS
 Misc : 25mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E3YC4MS

Quant Time: Apr 14 01:14:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR041319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Apr 13 14:26:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	149893	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	146576	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	67817	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	32538	4.08	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.60%
7) Chloroethane-d5	1.58	69	36724	4.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.80%
11) 1,1-Dichloroethene-d2	2.14	63	99709	4.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.60%
20) 2-Butanone-d5	3.95	46	105937	52.05	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.10%
24) Chloroform-d	4.40	84	84729	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
26) 1,2-Dichloroethane-d4	5.09	65	44384	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
32) Benzene-d6	5.10	84	159482	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.12	67	49485	4.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.60%
41) Toluene-d8	7.36	98	139516	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.20%
43) trans-1,3-Dichloropropene-	7.67	79	16685	4.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.80%
46) 2-Hexanone-d5	8.14	63	90030	58.22	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.44%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	39769	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	61379	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.60	64	1007	0.108	ug/L #	81
12) 1,1-Dichloroethene	2.14	96	60346	4.936	ug/L	86
13) Acetone	2.31	43	2617	1.528	ug/L	92
19) 1,1-Dichloroethane	3.23	63	2611	0.112	ug/L #	83
25) Chloroform	4.43	83	3260	0.156	ug/L	77
33) Benzene	5.15	78	206872	5.031	ug/L	100
34) Trichloroethene	5.96	95	57258	4.822	ug/L	94
35) Methylcyclohexane	6.12	83	12554	0.722	ug/L #	20
37) 1,2-Dichloropropane	6.12	63	6643	0.702	ug/L #	88
39) cis-1,3-Dichloropropene	7.03	75	1700	0.129	ug/L	100
42) Toluene	7.43	91	226789	4.934	ug/L	96
44) trans-1,3-Dichloropropene	7.67	75	1039	0.102	ug/L #	78
51) Chlorobenzene	8.93	112	158334	5.104	ug/L	96
53) m,p-xylene	9.19	106	4490	0.231	ug/L	90
54) o-xylene	9.59	106	2418	0.130	ug/L	85
69) Naphthalene	13.56	128	949	0.067	ug/L #	86

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QLast Update : Sat Apr 13 14:26:57 2019
Response via : Initial Calibration

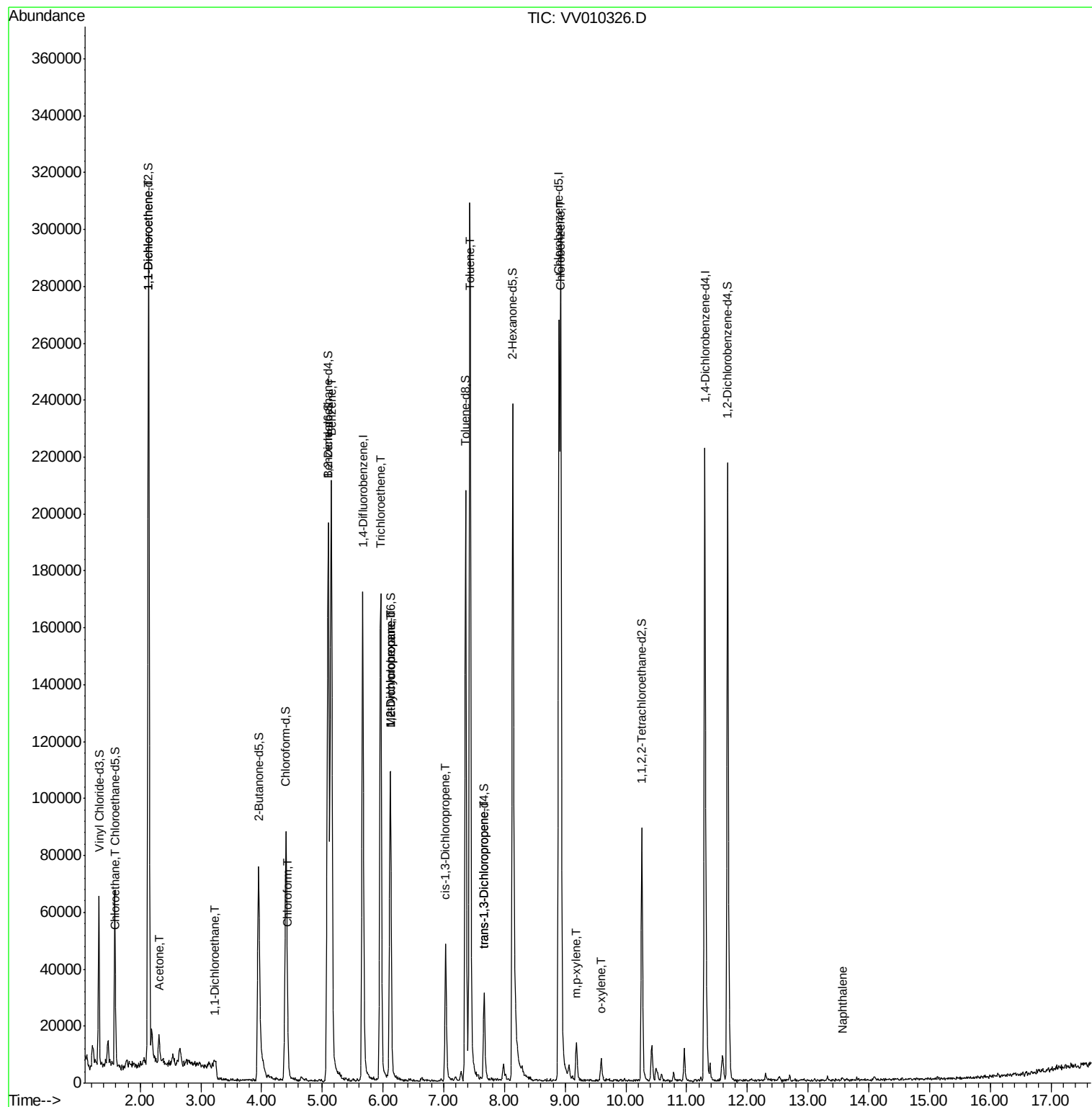
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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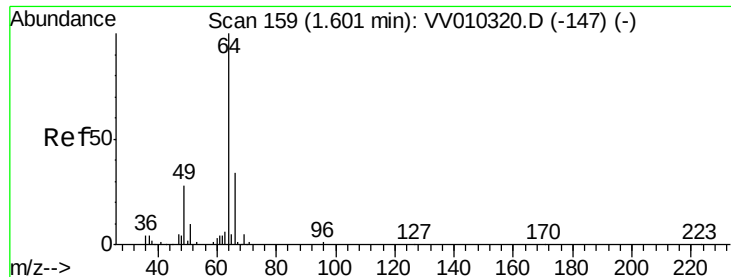
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV041319\
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#8

Chloroethane

Concen: 0.108 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV010326.D

Acq: 13 Apr 2019 18:43

Instrument :

MSVOA_V

ClientSampleId :

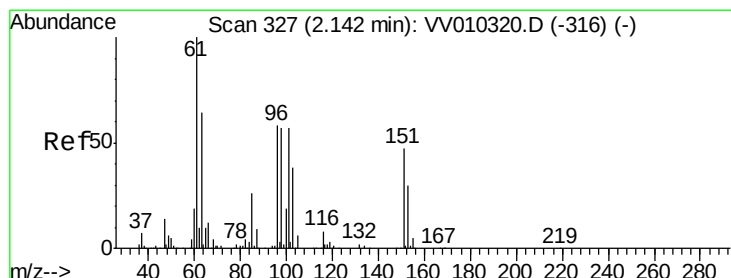
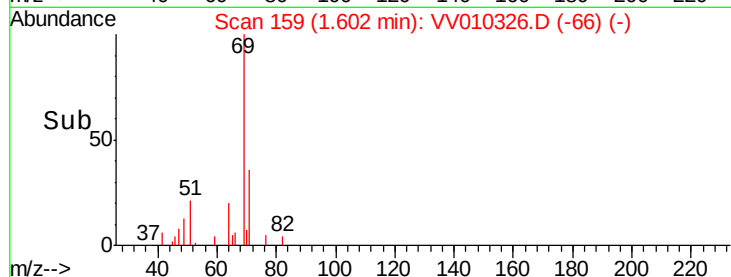
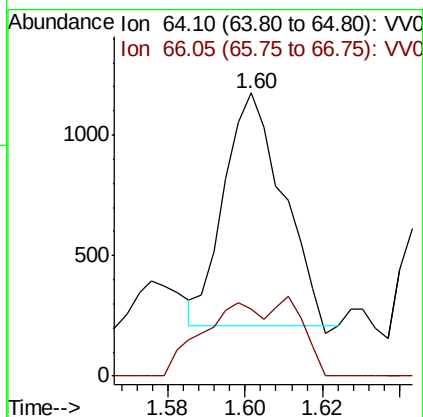
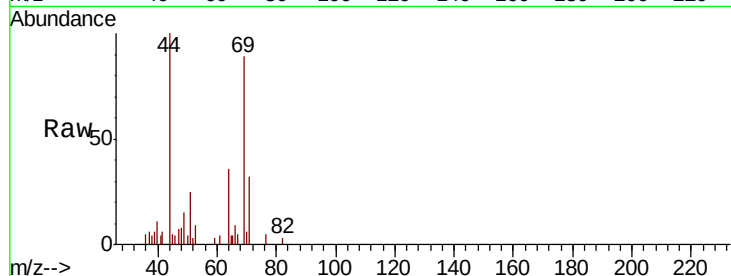
E3YC4MS

Tot Ion: 64 Resp: 1007

Ion Ratio Lower Upper

64 100

66 21.5 22.4 41.6#



#12

1,1-Dichloroethene

Concen: 4.936 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV010326.D

Acq: 13 Apr 2019 18:43

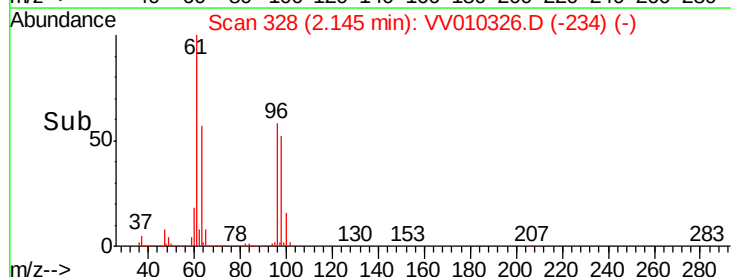
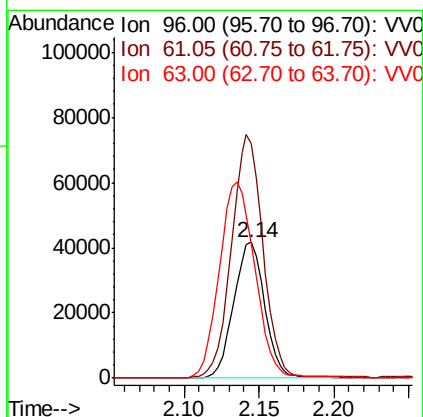
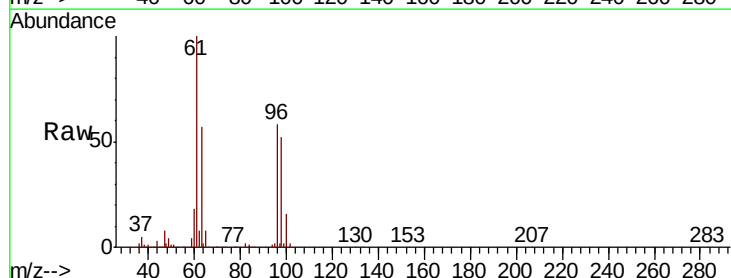
Tgt Ion: 96 Resp: 60346

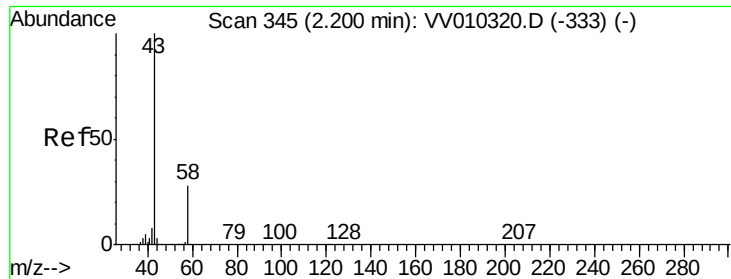
Ion Ratio Lower Upper

96 100

61 172.4 127.1 236.0

63 98.8 88.8 164.8





#13

Acetone

Concen: 1.528 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.11 min

Lab File: VV010326.D

Acq: 13 Apr 2019 18:43

Instrument :

MSVOA_V

ClientSampleId :

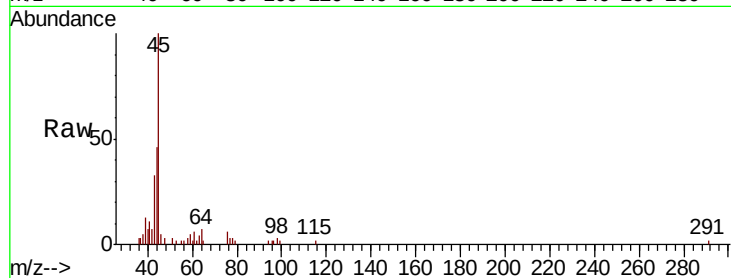
E3YC4MS

Tot Ion: 43 Resp: 2617

Ion Ratio Lower Upper

43 100

58 8.3 0.0 23.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.31

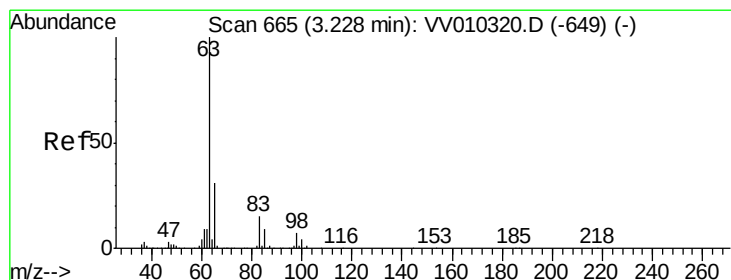
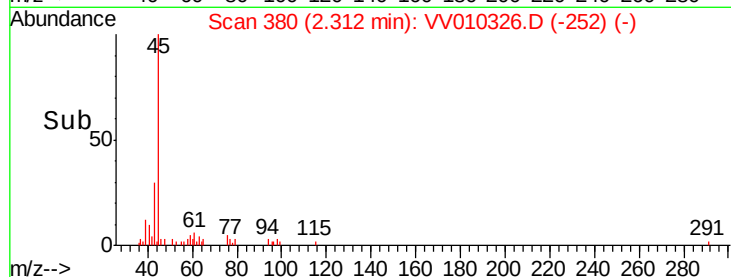
1500

1000

500

2.30 2.35

Time-->



#19

1,1-Dichloroethane

Concen: 0.112 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV010326.D

Acq: 13 Apr 2019 18:43

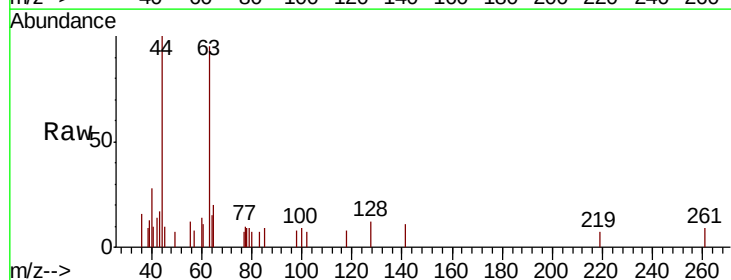
Tgt Ion: 63 Resp: 2611

Ion Ratio Lower Upper

63 100

65 21.2 21.3 39.5#

83 7.6 9.9 18.5#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0

3.23

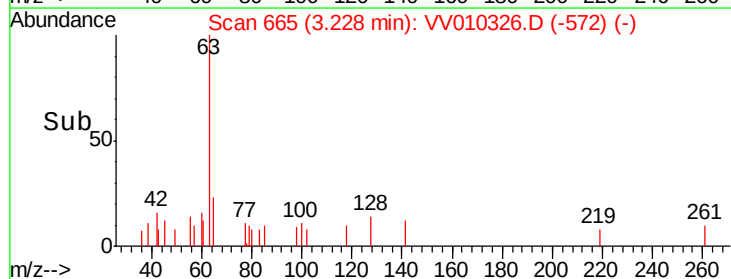
1500

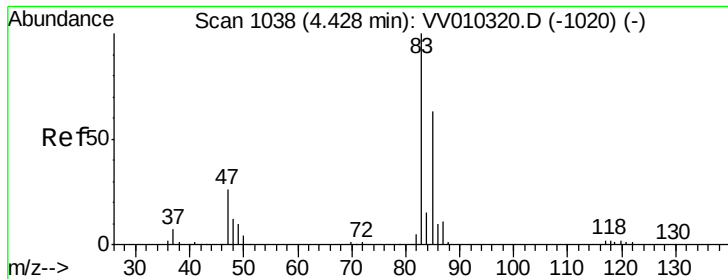
1000

500

3.20 3.25

Time-->

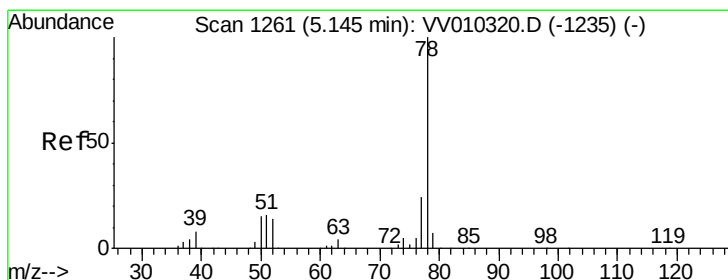
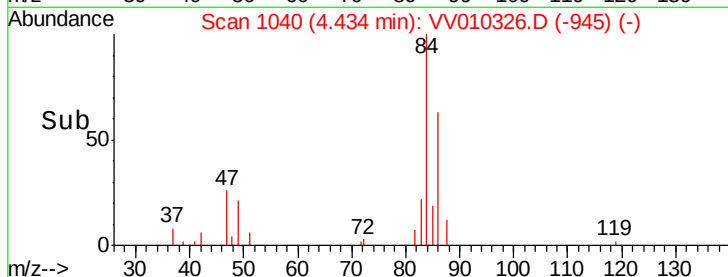
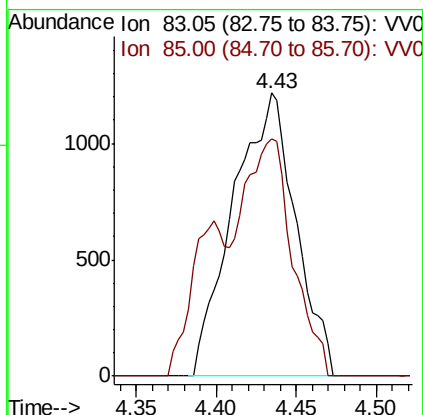
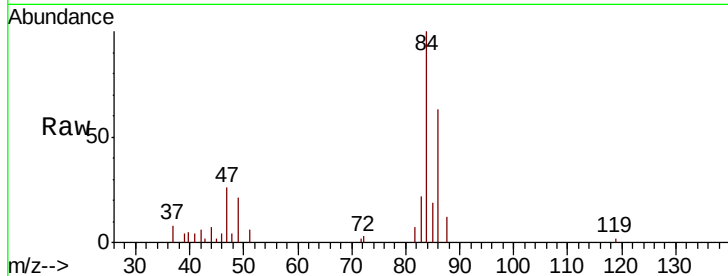




#25
Chloroform
Concen: 0.156 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VV010326.D
Acq: 13 Apr 2019 18:43

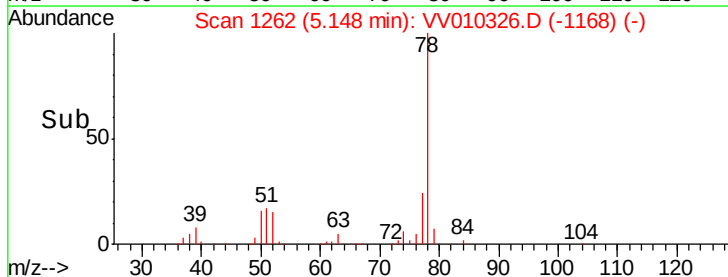
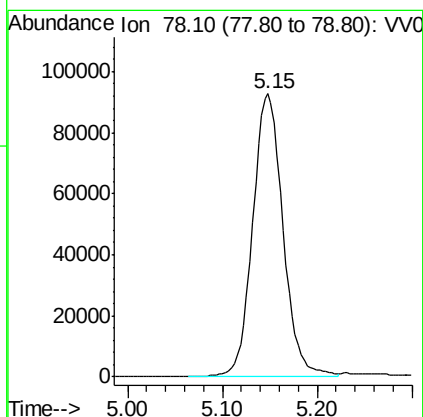
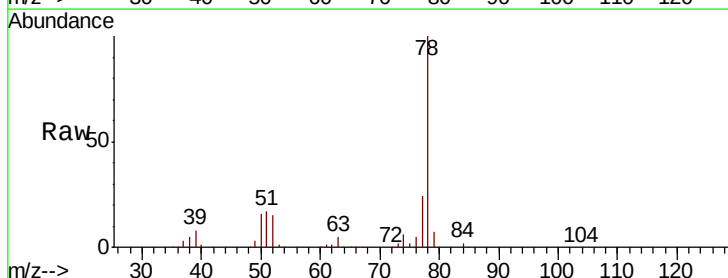
Instrument :
MSVOA_V
ClientSampleId :
E3YC4MS

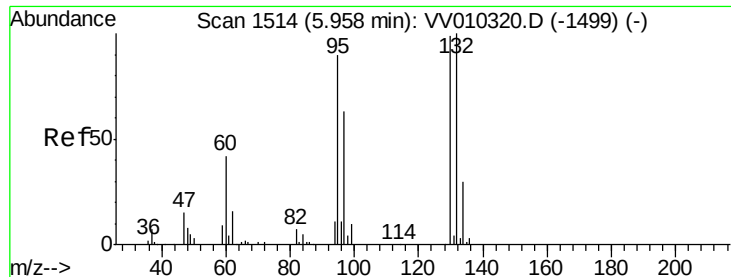
Tot Ion: 83 Resp: 3260
Ion Ratio Lower Upper
83 100
85 83.7 45.7 84.9



#33
Benzene
Concen: 5.031 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV010326.D
Acq: 13 Apr 2019 18:43

Tgt Ion: 78 Resp: 206872





#34

Trichloroethene

Concen: 4.822 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV010326.D

Acq: 13 Apr 2019 18:43

Instrument :

MSVOA_V

ClientSampleId :

E3YC4MS

Tot Ion: 95 Resp: 57258

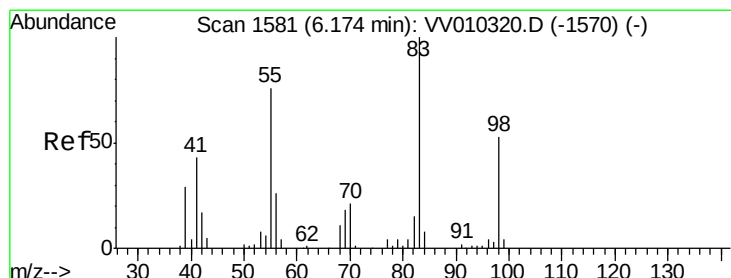
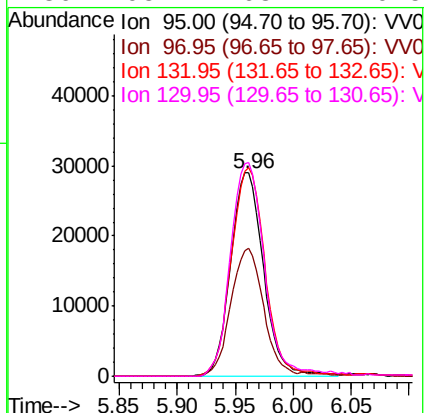
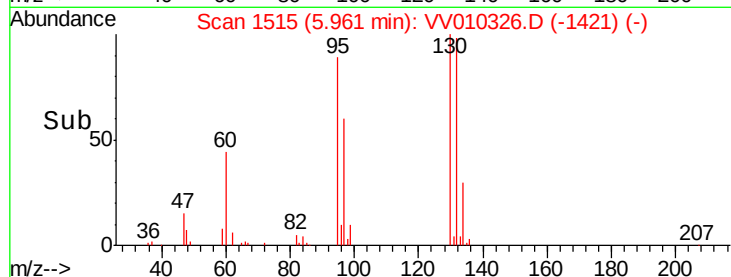
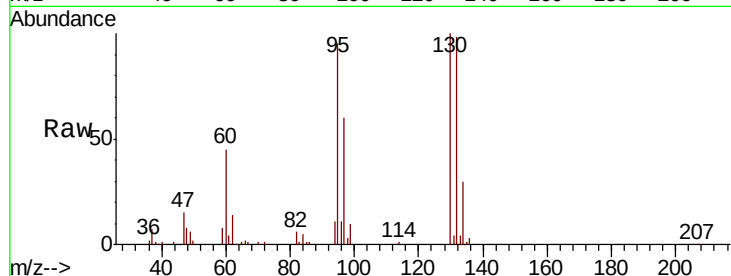
Ion Ratio Lower Upper

95 100

97 63.2 44.4 82.5

132 102.8 66.4 123.4

130 105.2 68.1 126.5



#35

Methylcyclohexane

Concen: 0.722 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.05 min

Lab File: VV010326.D

Acq: 13 Apr 2019 18:43

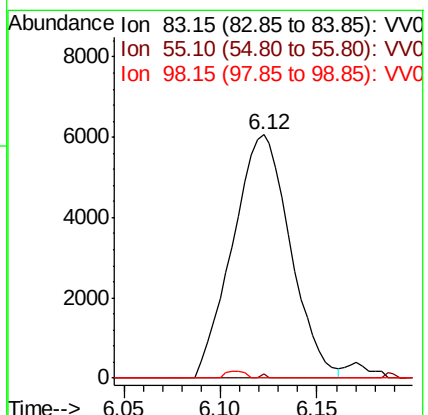
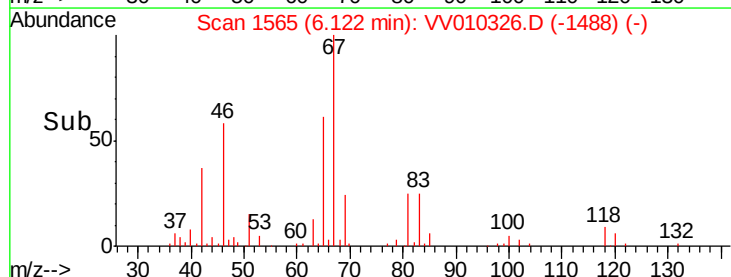
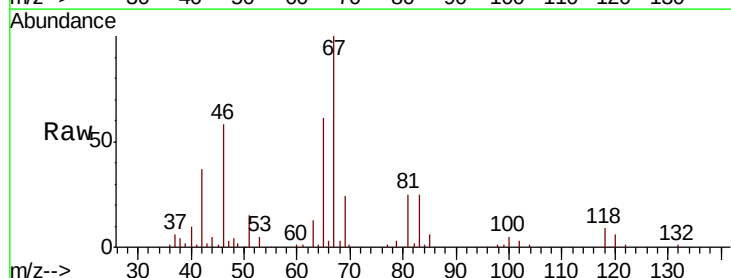
Tgt Ion: 83 Resp: 12554

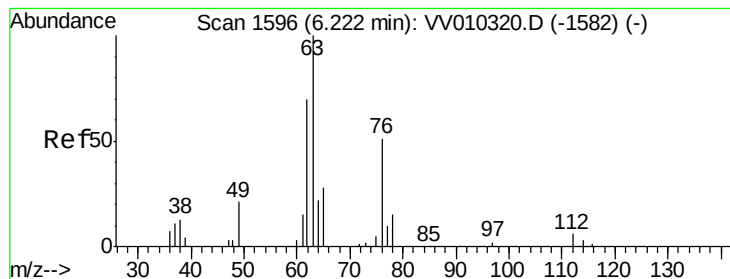
Ion Ratio Lower Upper

83 100

55 0.2 57.4 86.2#

98 0.9 38.9 58.3#





#37

1,2-Dichloropropane

Concen: 0.702 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.10 min

Lab File: VV010326.D

Acq: 13 Apr 2019 18:43

Instrument :

MSVOA_V

ClientSampleId :

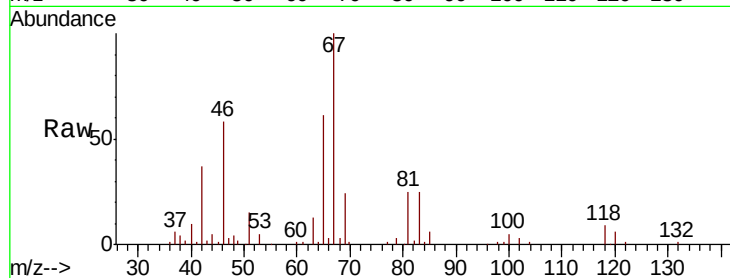
E3YC4MS

Tot Ion: 63 Resp: 6643

Ion Ratio Lower Upper

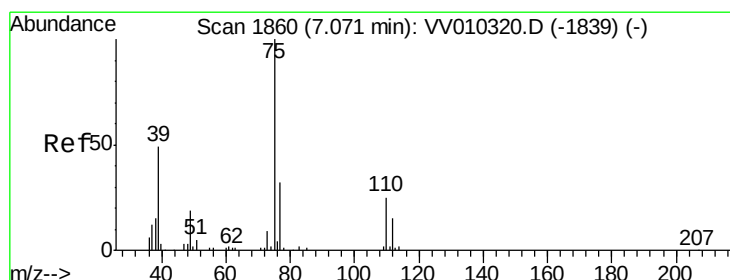
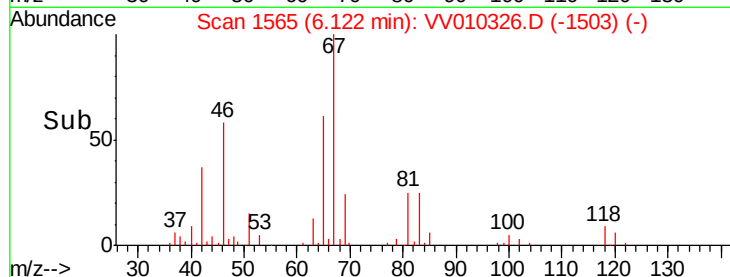
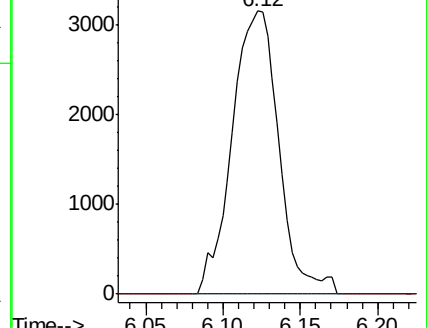
63 100

112 0.0 3.3 4.9#



Abundance Ion 63.10 (62.80 to 63.80): VV010320.D (-1582) (-)

Ion 112.10 (111.80 to 112.80): VV010320.D (-1582) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.129 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.04 min

Lab File: VV010326.D

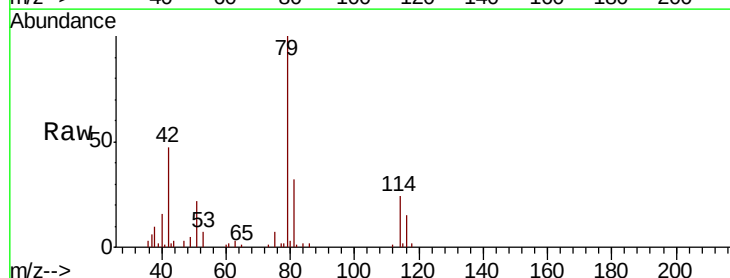
Acq: 13 Apr 2019 18:43

Tgt Ion: 75 Resp: 1700

Ion Ratio Lower Upper

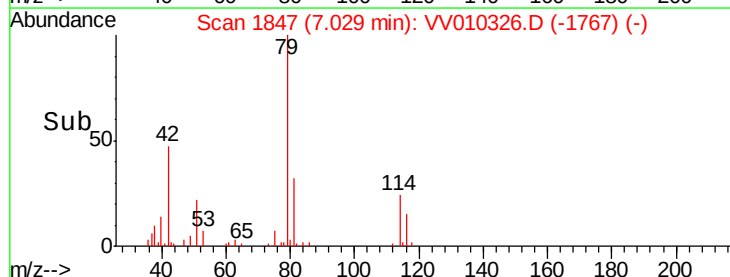
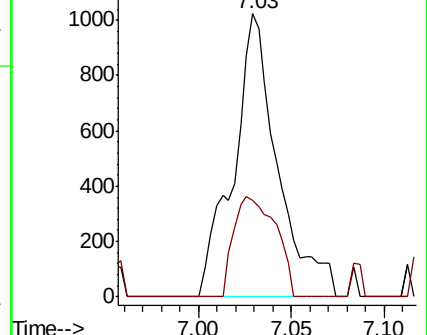
75 100

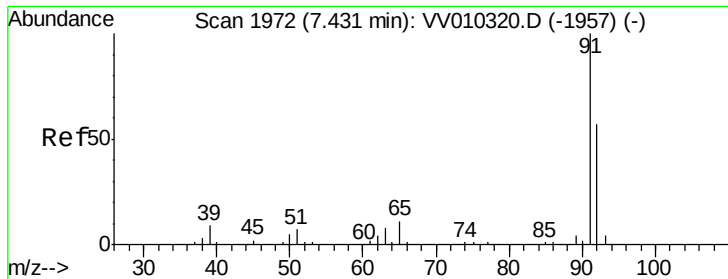
77 34.3 24.1 44.8



Abundance Ion 75.05 (74.75 to 75.75): VV010320.D (-1839) (-)

Ion 77.05 (76.75 to 77.75): VV010320.D (-1839) (-)





#42

Toluene

Concen: 4.934 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010326.D

Acq: 13 Apr 2019 18:43

Instrument :

MSVOA_V

ClientSampleId :

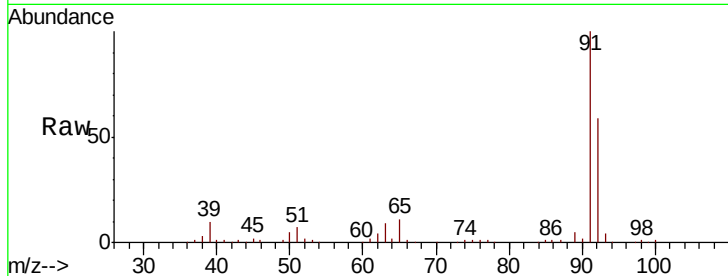
E3YC4MS

Tot Ion: 91 Resp: 226789

Ion Ratio Lower Upper

91 100

92 58.5 39.1 72.5



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

150000

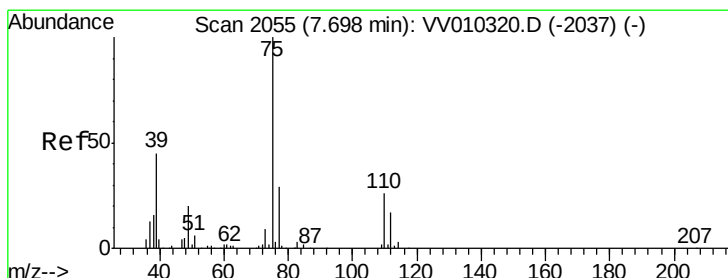
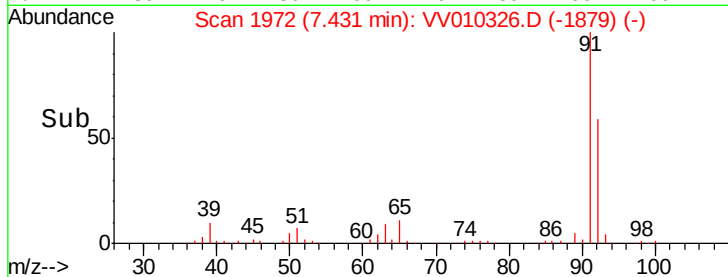
100000

50000

0

7.40 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.102 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV010326.D

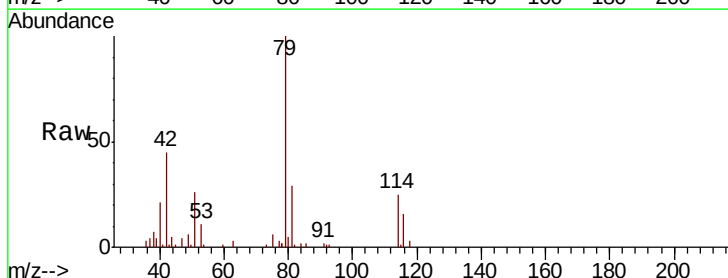
Acq: 13 Apr 2019 18:43

Tgt Ion: 75 Resp: 1039

Ion Ratio Lower Upper

75 100

77 44.7 22.7 42.3#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.67

600

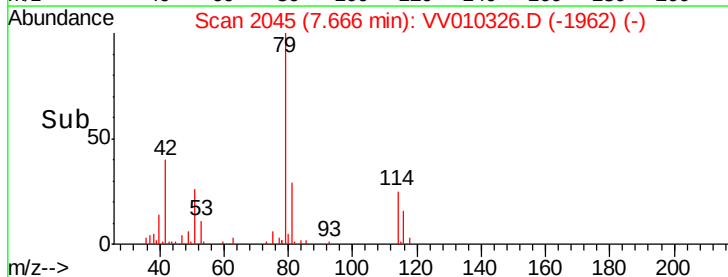
400

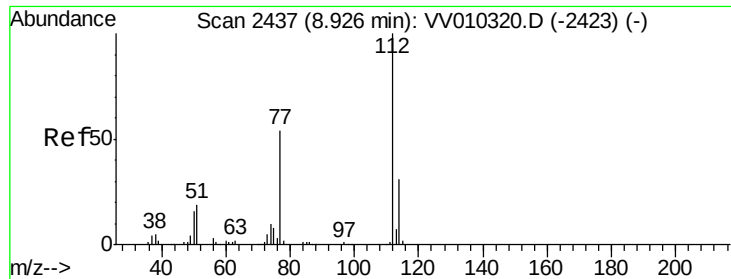
200

0

7.65 7.70

Time-->

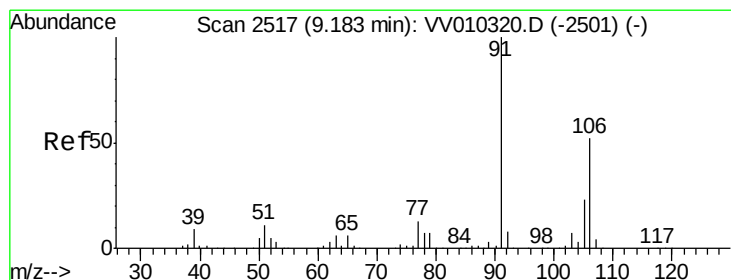
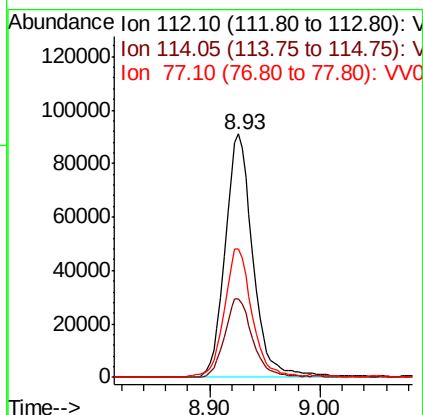
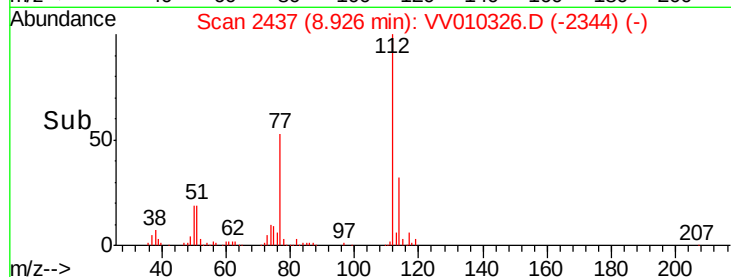
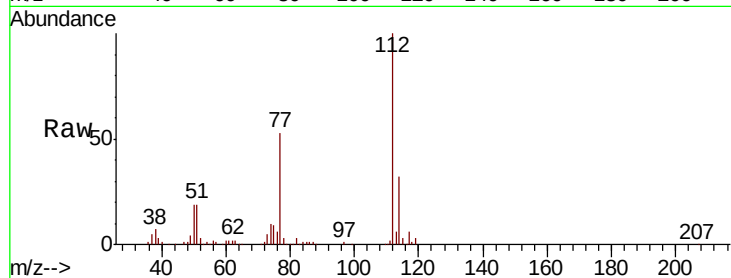




#51
Chlorobenzene
Concen: 5.104 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV010326.D
Acq: 13 Apr 2019 18:43

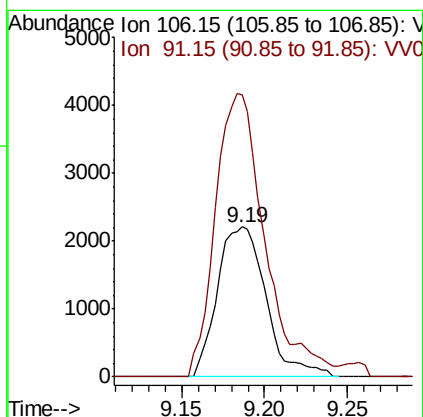
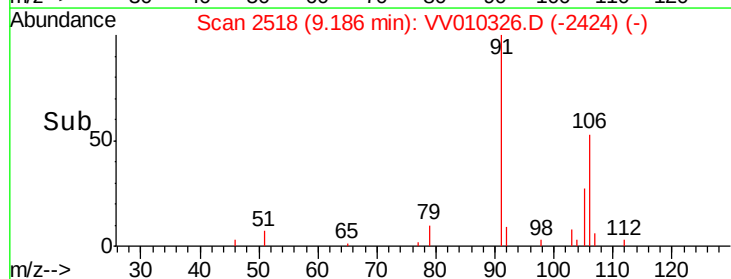
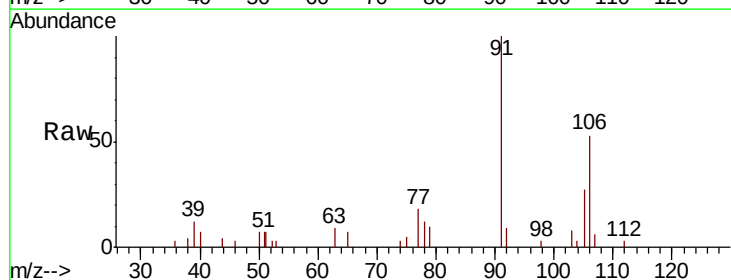
Instrument :
MSVOA_V
ClientSampleId :
E3YC4MS

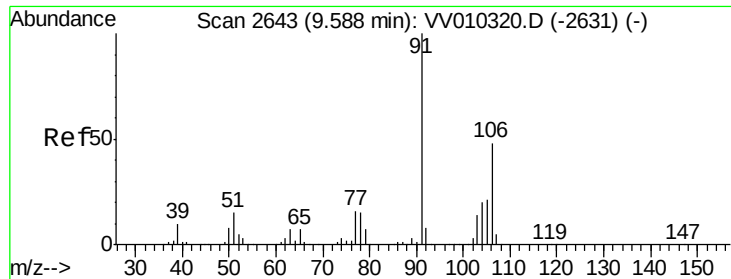
Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	21.8	40.4
77	53.0	45.0	67.4



#53
m,p-xylene
Concen: 0.231 ug/L
RT: 9.19 min Scan# 2518
Delta R.T. 0.00 min
Lab File: VV010326.D
Acq: 13 Apr 2019 18:43

Tgt Ion	Ratio	Lower	Upper
106	100		
91	188.5	143.2	266.0





#54

o-xylene

Concen: 0.130 ug/L

RT: 9.59 min Scan# 2645

Delta R.T. 0.01 min

Lab File: VV010326.D

Acq: 13 Apr 2019 18:43

Instrument :

MSVOA_V

ClientSampleId :

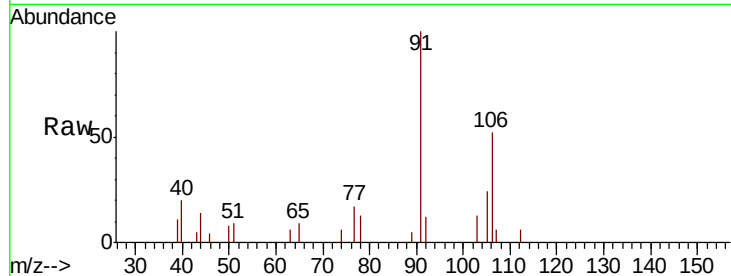
E3YC4MS

Tot Ion:106 Resp: 2418

Ion Ratio Lower Upper

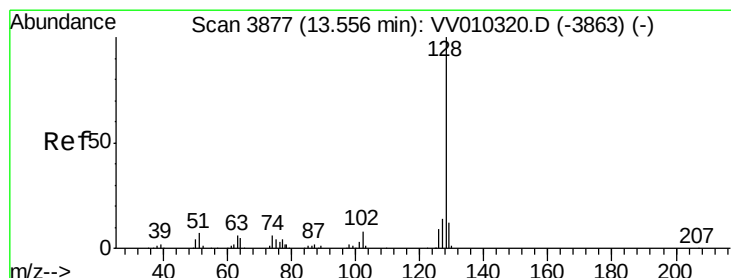
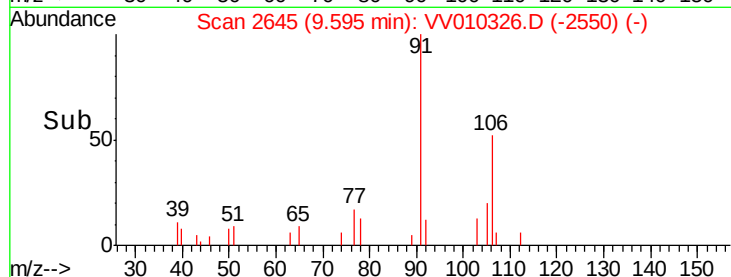
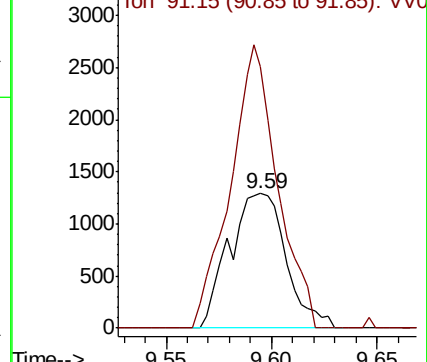
106 100

91 193.8 152.9 283.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#69

Naphthalene

Concen: 0.067 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV010326.D

Acq: 13 Apr 2019 18:43

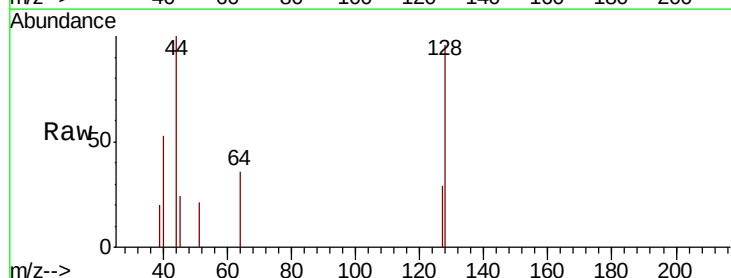
Tgt Ion:128 Resp: 949

Ion Ratio Lower Upper

128 100

129 0.0 8.9 13.3#

127 13.3 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

