

Data File : VV013680.D
Acq On : 19 Nov 2019 15:57
Operator : SY/MD
Sample : K5910-22
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAQK5

Quant Time: Nov 20 01:35:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 20 01:31:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	371990	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	356424	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	188092	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	100451	4.37	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.40%
7) Chloroethane-d5	1.58	69	99974	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.40%
11) 1,1-Dichloroethene-d2	2.13	63	147109	3.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.40%
20) 2-Butanone-d5	3.92	46	335685	63.17	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	126.34%
24) Chloroform-d	4.40	84	243144	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.08	65	126288	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
32) Benzene-d6	5.10	84	503723	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
36) 1,2-Dichloropropane-d6	6.11	67	158856	5.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.20%
41) Toluene-d8	7.36	98	444146	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
43) trans-1,3-Dichloropropene-	7.66	79	55971	4.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.20%
46) 2-Hexanone-d5	8.13	63	258636	60.49	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.98%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	117670	5.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	203614	5.63	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.60%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1920	0.084 ug/L #	24
12) 1,1-Dichloroethene	2.13	96	1566	0.070 ug/L #	1
13) Acetone	2.15	43	30794	9.185 ug/L	91
15) Methyl Acetate	2.52	43	49123	5.173 ug/L #	52
30) Cyclohexane	4.73	56	19303	0.450 ug/L #	94
33) Benzene	5.15	78	25148	0.233 ug/L	100
35) Methylcyclohexane	6.17	83	6799	0.154 ug/L	90
37) 1,2-Dichloropropane	6.11	63	16731	0.648 ug/L #	86
39) cis-1,3-Dichloropropene	7.02	75	3862	0.104 ug/L #	57
42) Toluene	7.43	91	143833	1.248 ug/L	98
48) 2-Hexanone	8.18	43	10747	1.008 ug/L #	91
52) Ethylbenzene	9.05	91	233321	1.899 ug/L	99
53) m,p-xylene	9.18	106	329650	7.114 ug/L	98
54) o-xylene	9.58	106	65428	1.468 ug/L	96
56) Isopropylbenzene	9.97	105	15107	0.127 ug/L	97
69) Naphthalene	13.55	128	358381	6.105 ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV111919\
Quantitation Report (Not Reviewed)

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QLast Update : Wed Nov 20 01:31:47 2019
Response via : Initial Calibration

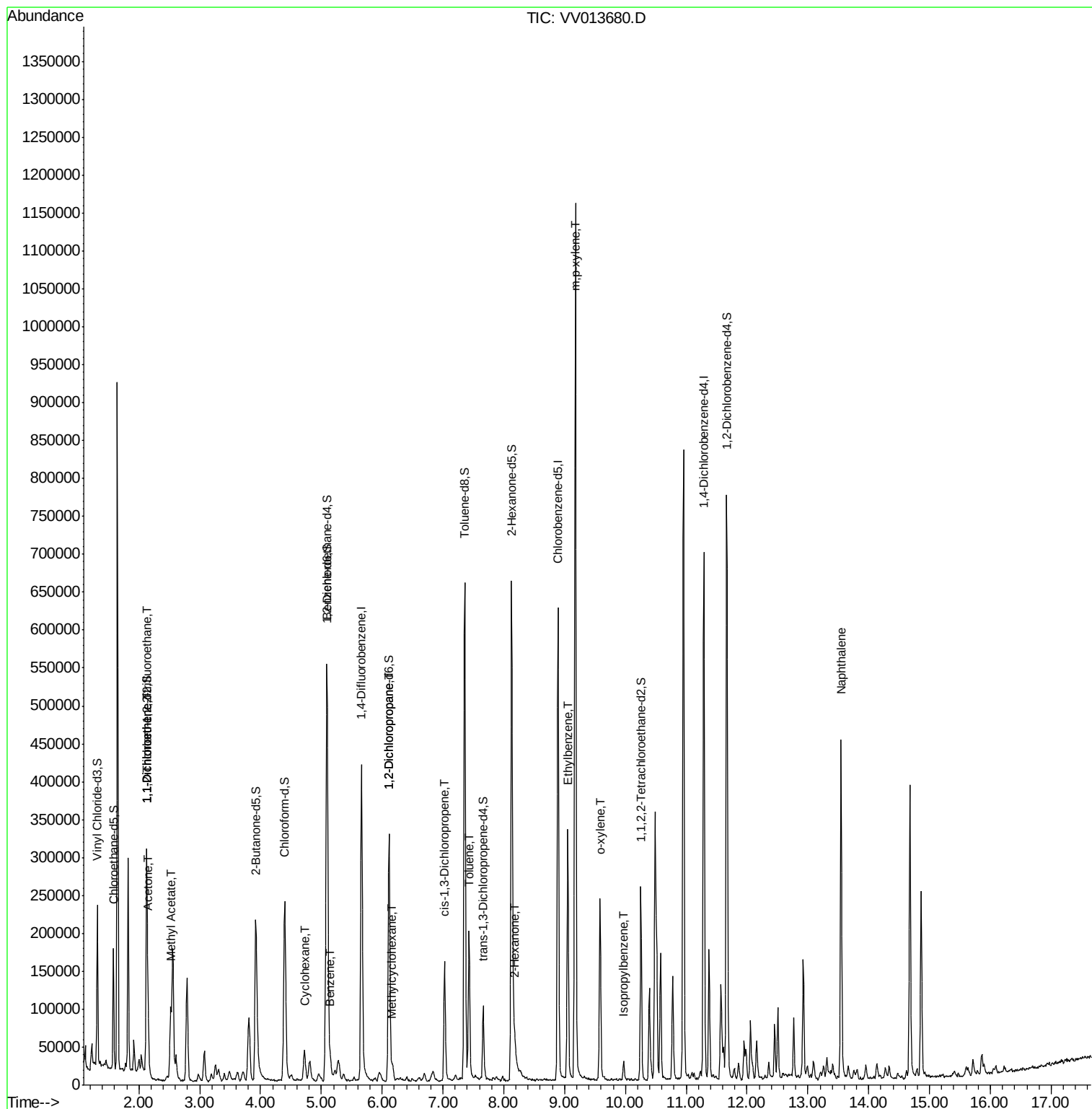
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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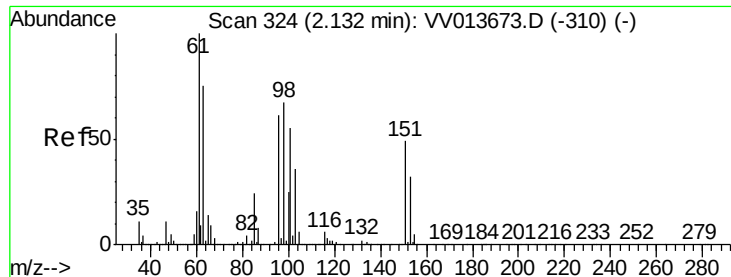
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 20 01:31:47 2019
Response via : Initial Calibration





#10

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

Concen: 0.084 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV013680.D

Acq: 19 Nov 2019 15:57

Instrument :

MSVOA_V

ClientSampled :

GAQK5

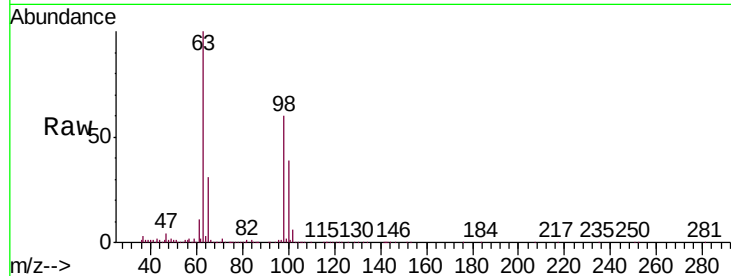
Tgt Ion: 101 Resp: 1920

Ion Ratio Lower Upper

101 100

85 7.1 32.0 48.0#

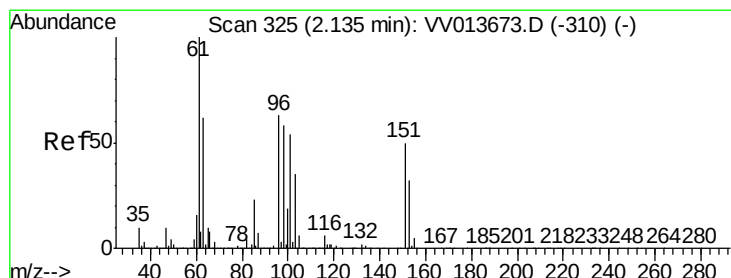
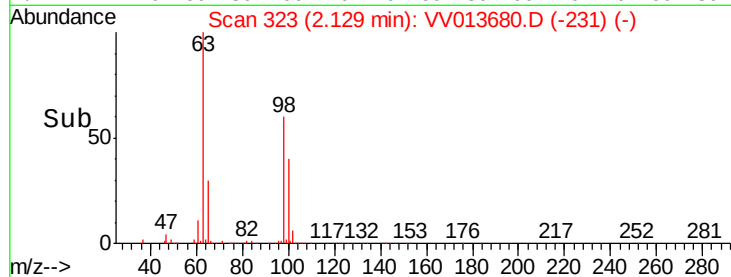
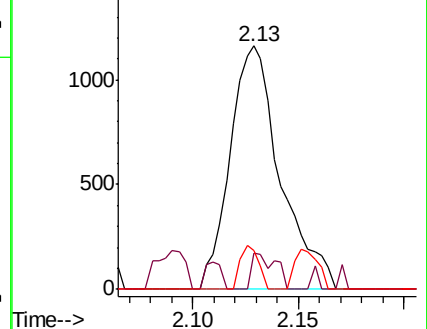
151 6.6 69.0 103.6#



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: 0.070 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV013680.D

Acq: 19 Nov 2019 15:57

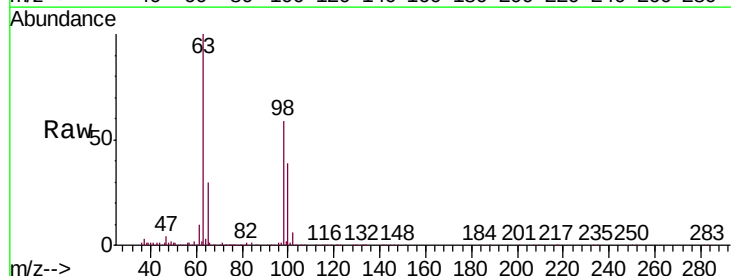
Tgt Ion: 96 Resp: 1566

Ion Ratio Lower Upper

96 100

61 899.0 112.5 208.9#

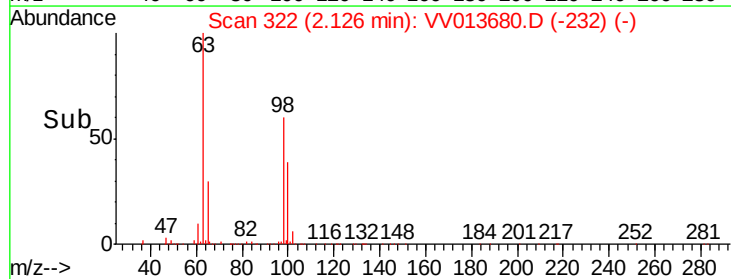
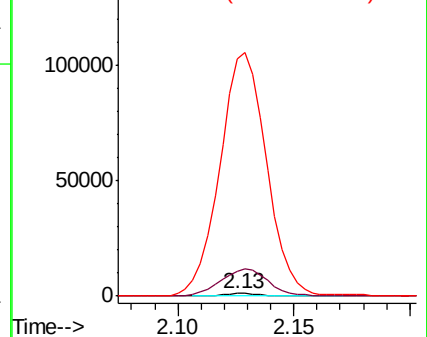
63 8678.4 76.9 142.7#

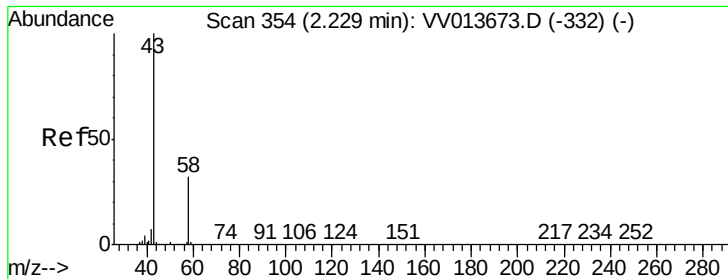


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 9.185 ug/L

RT: 2.15 min Scan# 330

Delta R.T. -0.08 min

Lab File: VV013680.D

Acq: 19 Nov 2019 15:57

Instrument :

MSVOA_V

ClientSampleId :

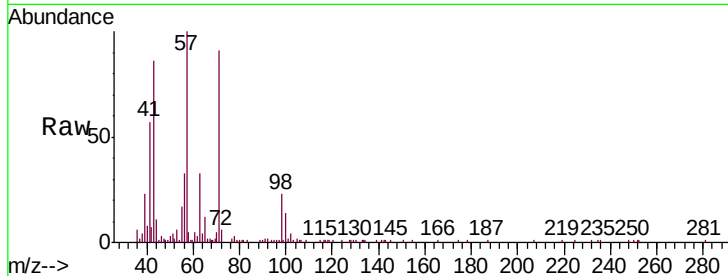
GAQK5

Tgt Ion: 43 Resp: 30794

Ion Ratio Lower Upper

43 100

58 5.4 0.0 17.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

15000

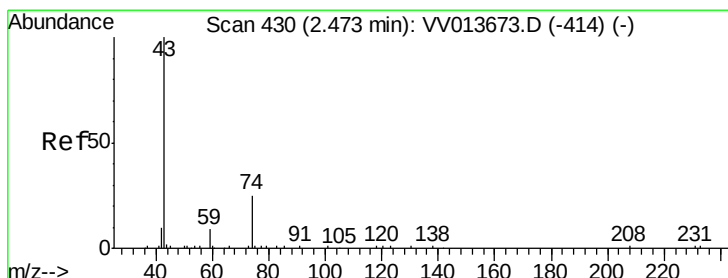
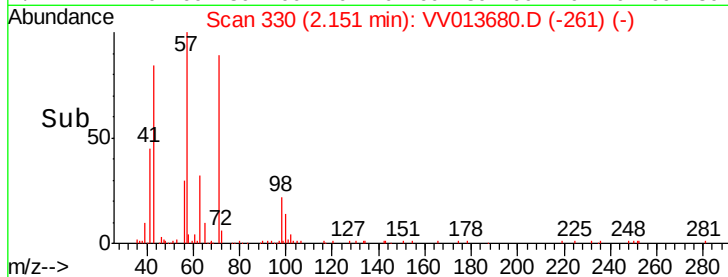
10000

5000

0

2.05 2.10 2.15 2.20 2.25

Time-->



#15

Methyl Acetate

Concen: 5.173 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.05 min

Lab File: VV013680.D

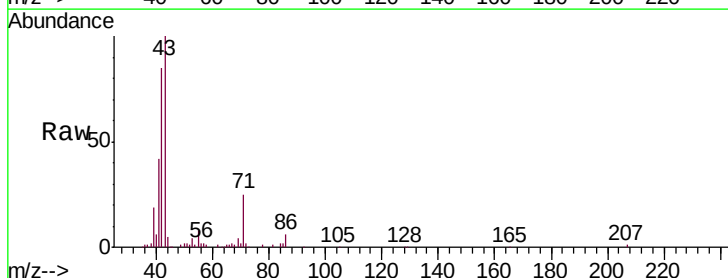
Acq: 19 Nov 2019 15:57

Tgt Ion: 43 Resp: 49123

Ion Ratio Lower Upper

43 100

74 0.0 18.9 28.3#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

60000

50000

40000

30000

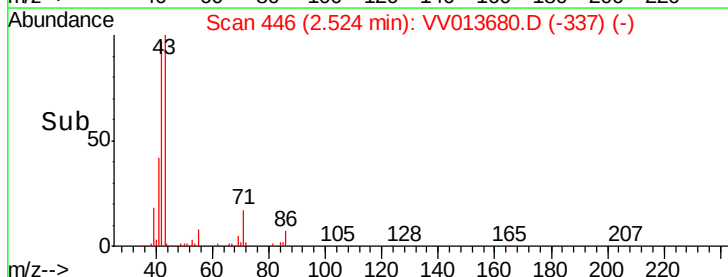
20000

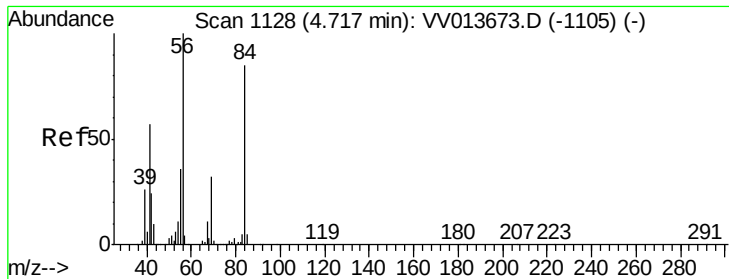
10000

0

2.50 2.52 2.55

Time-->

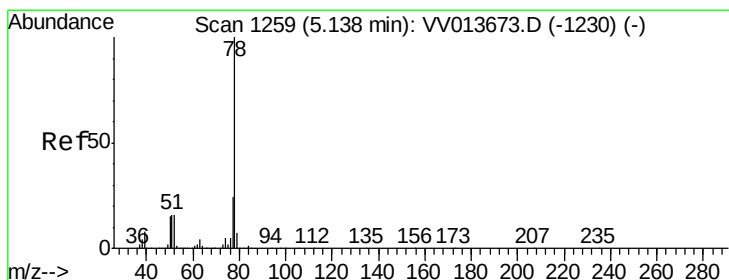
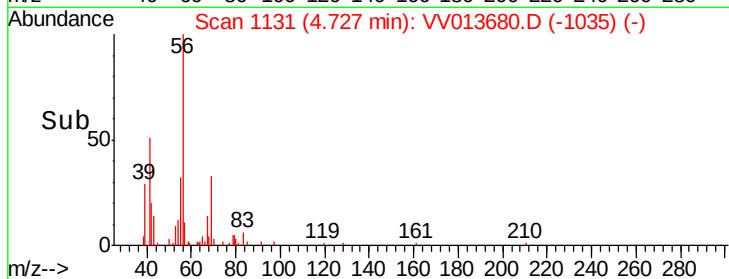
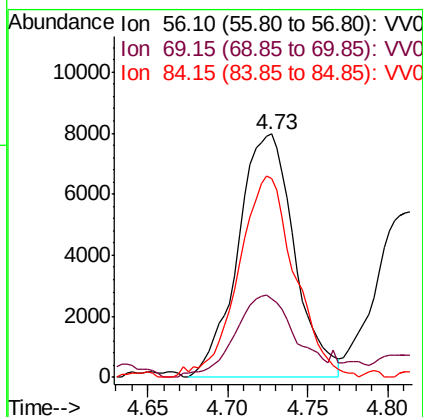
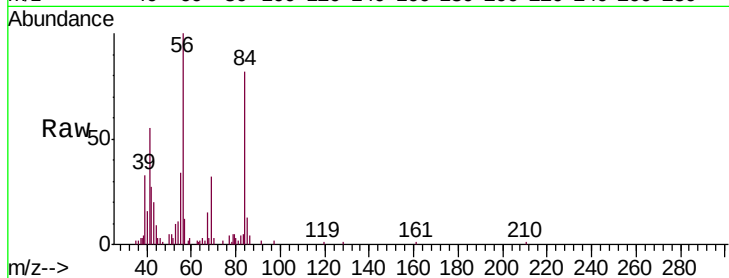




#30
Cyclohexane
Concen: 0.450 ug/L
RT: 4.73 min Scan# 1131
Delta R.T. 0.01 min
Lab File: VV013680.D
Acq: 19 Nov 2019 15:57

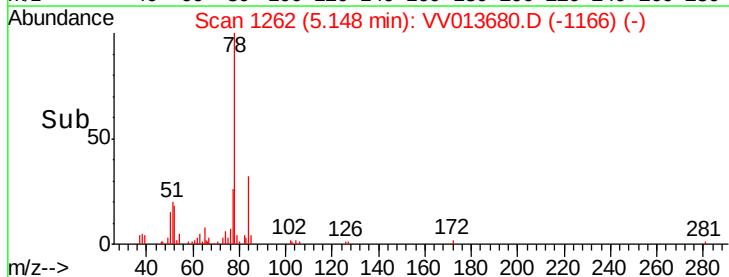
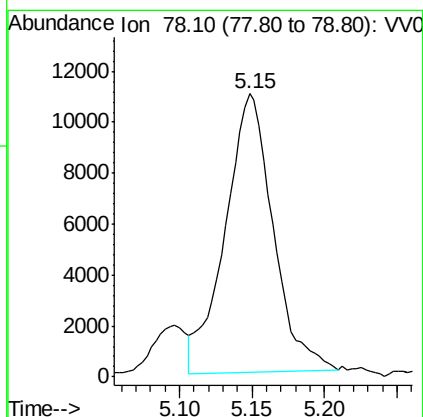
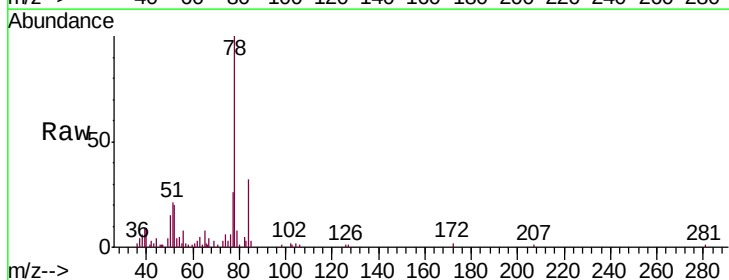
Instrument :
MSVOA_V
ClientSampleId :
GAQK5

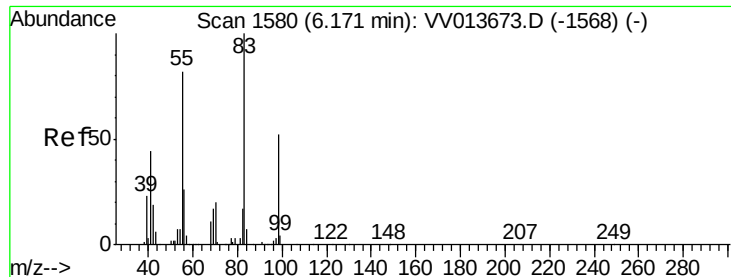
Tgt Ion: 56 Resp: 19303
Ion Ratio Lower Upper
56 100
69 36.0 23.8 35.8#
84 82.4 69.1 103.7



#33
Benzene
Concen: 0.233 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VV013680.D
Acq: 19 Nov 2019 15:57

Tgt Ion: 78 Resp: 25148

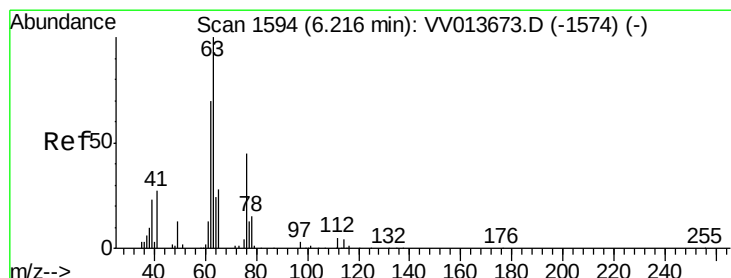
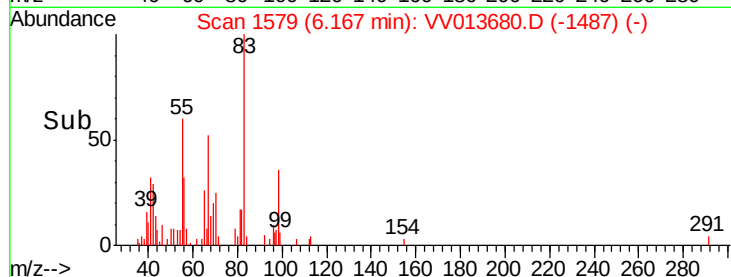
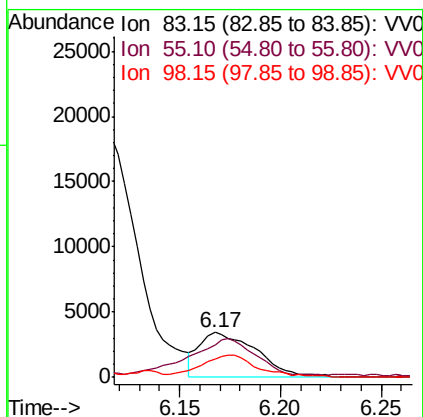
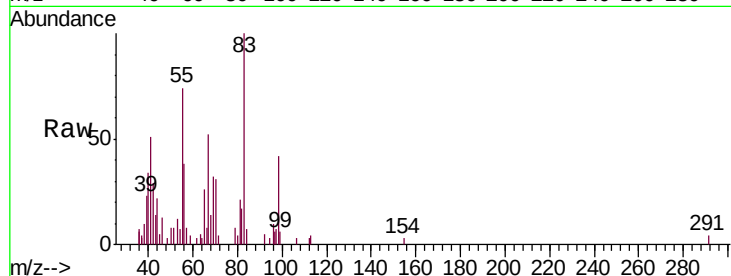




#35
Methylcyclohexane
Concen: 0.154 ug/L
RT: 6.17 min Scan# 1579
Delta R.T. -0.00 min
Lab File: VV013680.D
Acq: 19 Nov 2019 15:57

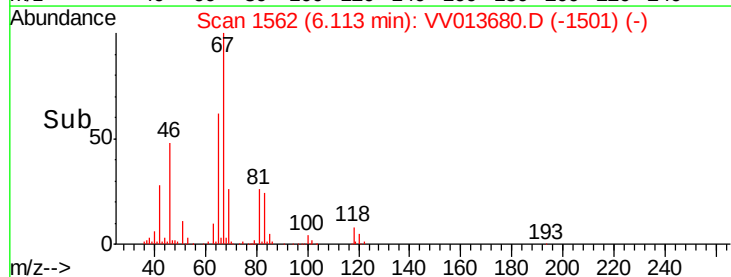
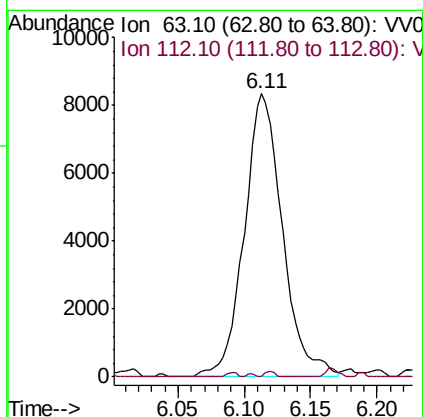
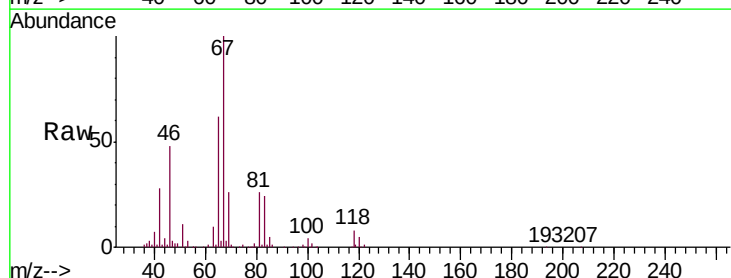
Instrument :
MSVOA_V
ClientSampleId :
GAQK5

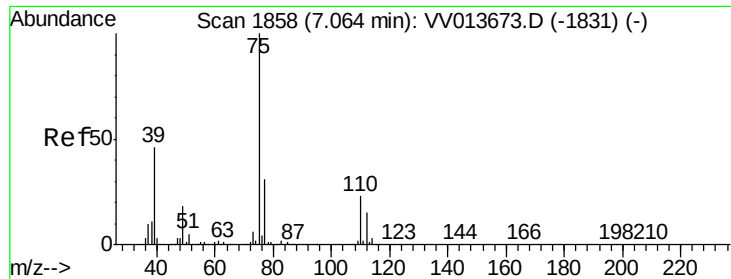
Tgt Ion: 83 Resp: 6799
Ion Ratio Lower Upper
83 100
55 92.0 64.1 96.1
98 49.6 38.2 57.2



#37
1,2-Dichloropropane
Concen: 0.648 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.10 min
Lab File: VV013680.D
Acq: 19 Nov 2019 15:57

Tgt Ion: 63 Resp: 16731
Ion Ratio Lower Upper
63 100
112 0.5 4.1 6.1#





#39

cis-1,3-Dichloropropene

Concen: 0.104 ug/L

RT: 7.02 min Scan# 1845

Delta R.T. -0.04 min

Lab File: VV013680.D

Acq: 19 Nov 2019 15:57

Instrument :

MSVOA_V

ClientSampleId :

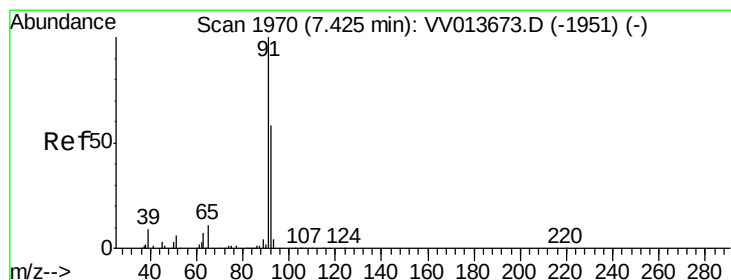
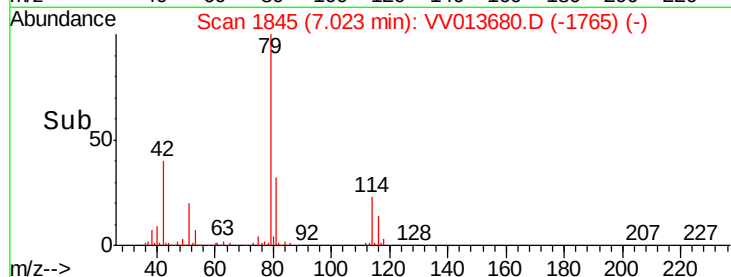
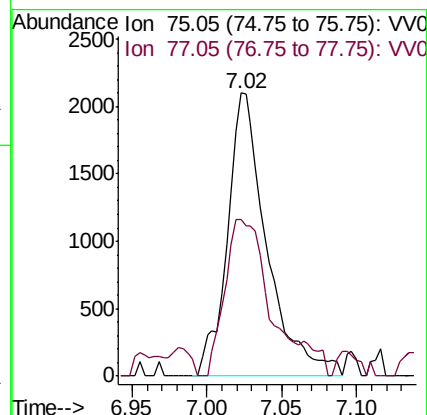
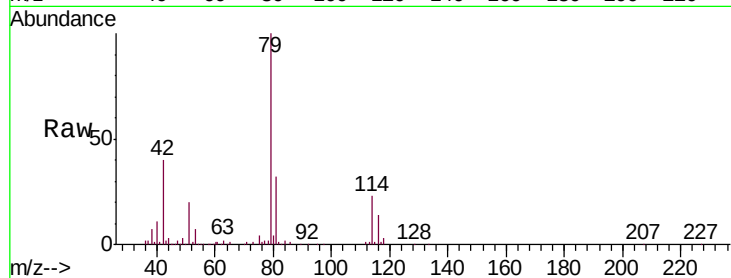
GAQK5

Tgt Ion: 75 Resp: 3862

Ion Ratio Lower Upper

75 100

77 55.4 22.0 40.8#



#42

Toluene

Concen: 1.248 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013680.D

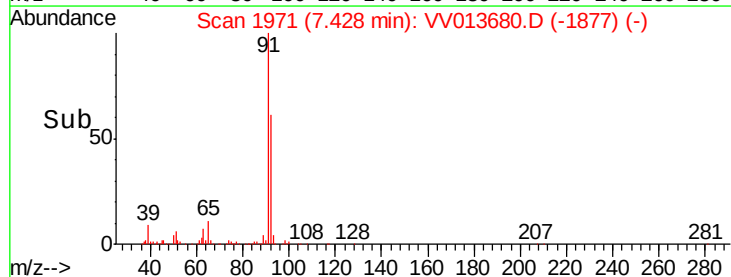
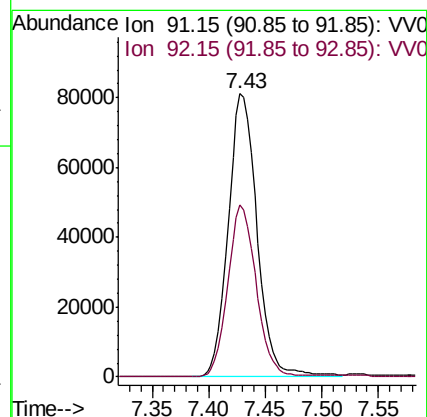
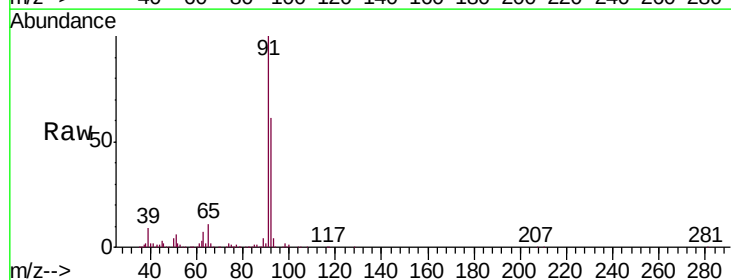
Acq: 19 Nov 2019 15:57

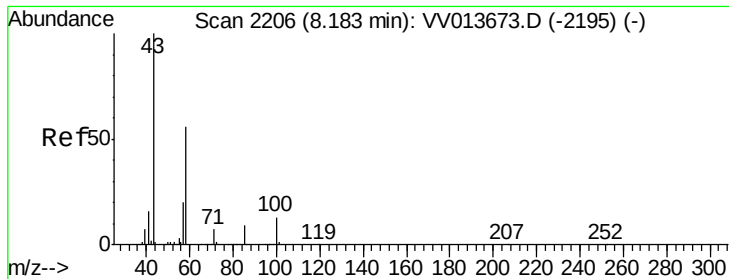
Tgt Ion: 91 Resp: 143833

Ion Ratio Lower Upper

91 100

92 60.6 41.2 76.6





#48

2-Hexanone

Concen: 1.008 ug/L

RT: 8.18 min Scan# 2205

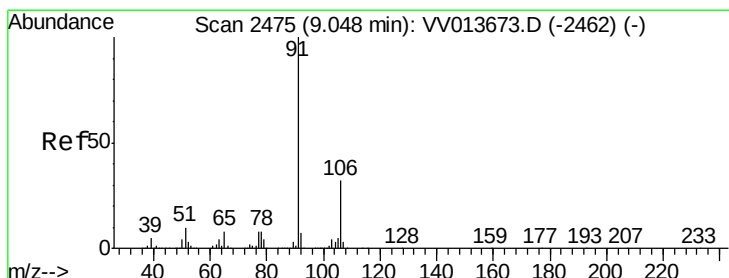
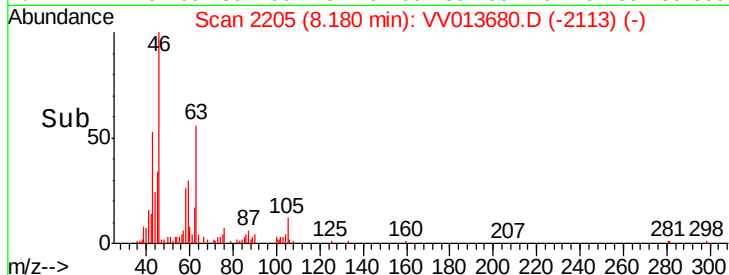
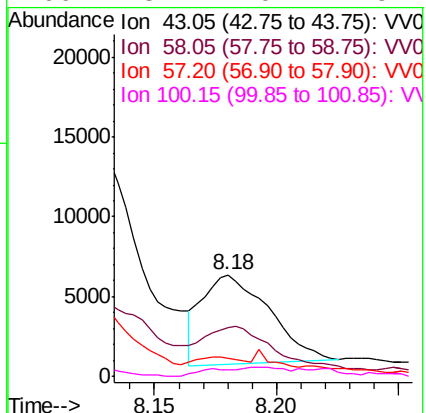
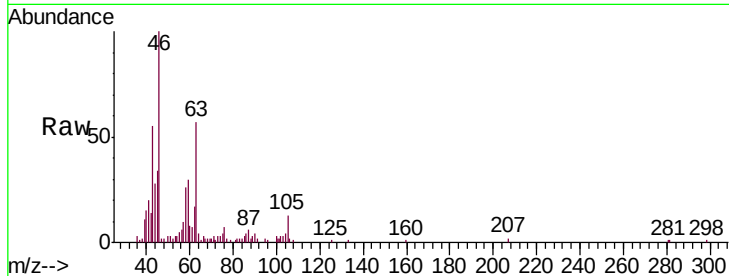
Delta R.T. -0.00 min

Lab File: VV013680.D

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Tgt Ion:	43	Resp:	10747
Ion	Ratio	Lower	Upper
43	100		
58	57.7	43.0	64.6
57	15.4	15.4	23.2#
100	3.7	10.1	15.1#



#52

Ethylbenzene

Concen: 1.899 ug/L

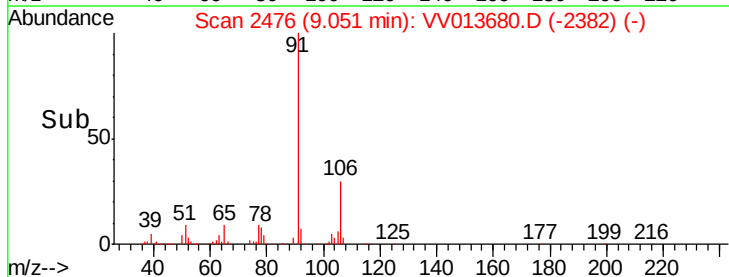
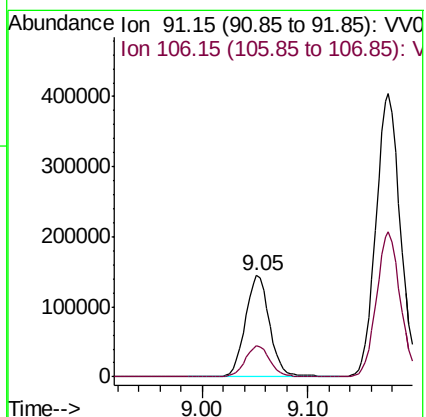
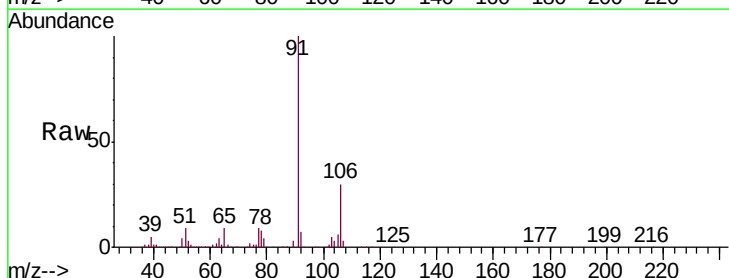
RT: 9.05 min Scan# 2476

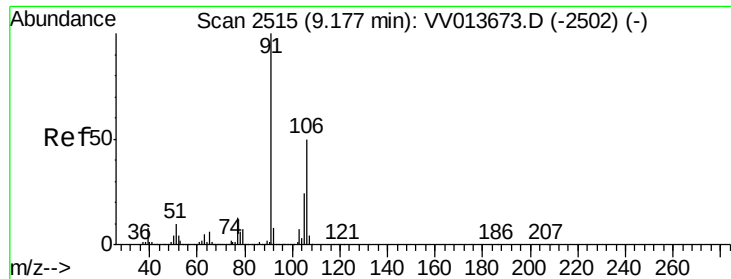
Delta R.T. 0.00 min

Lab File: VV013680.D

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Tgt Ion:	91	Resp:	233321
Ion	Ratio	Lower	Upper
91	100		
106	30.2	21.7	40.3

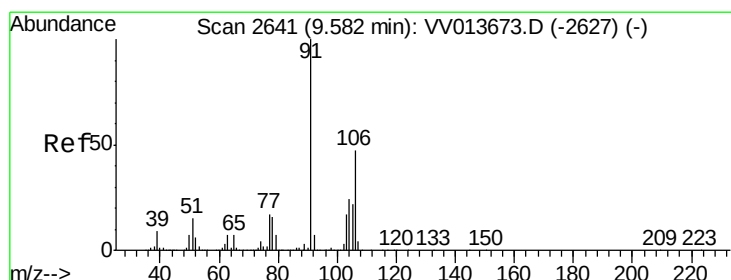
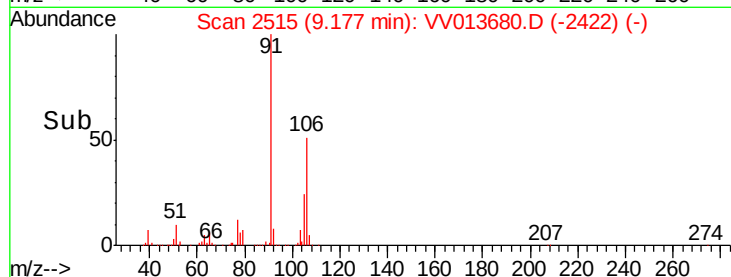
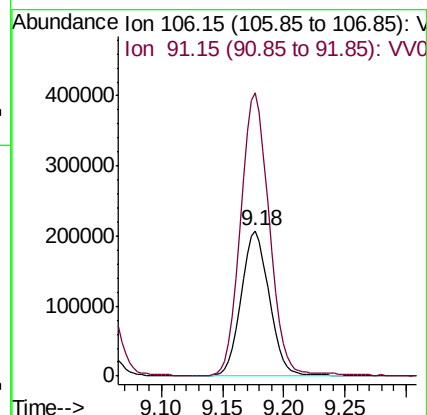
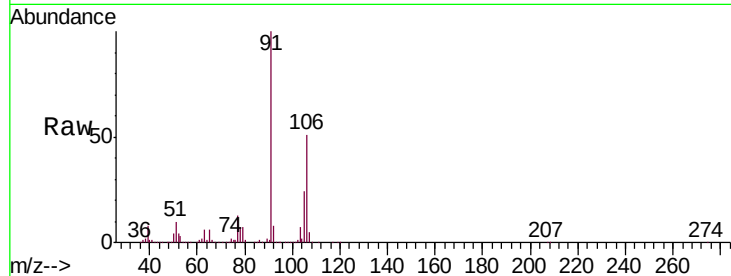




#53
m,p-xylene
Concen: 7.114 ug/L
RT: 9.18 min Scan# 2515
Delta R.T. -0.00 min
Lab File: VV013680.D
Acq: 19 Nov 2019 15:57

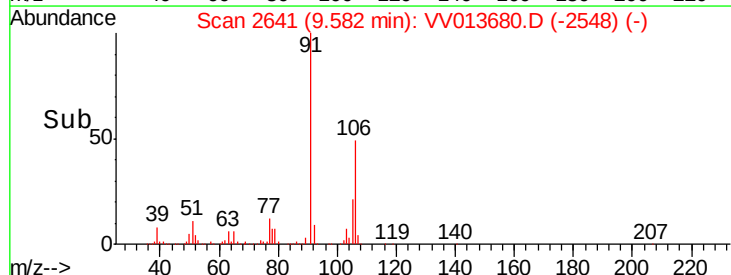
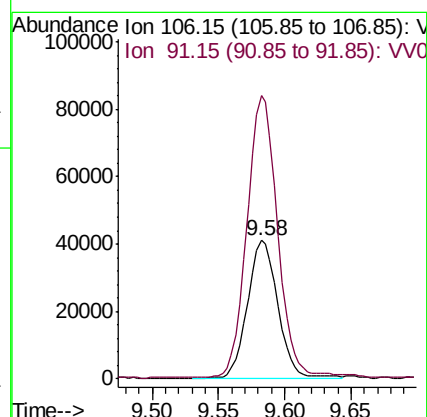
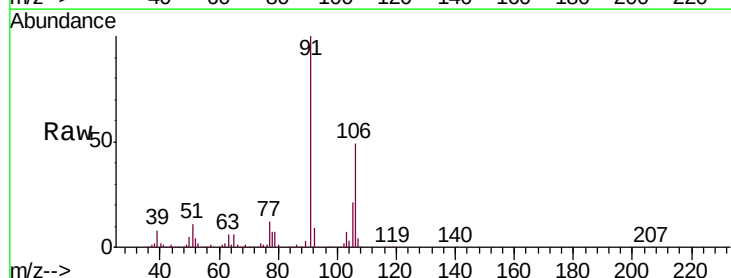
Instrument :
MSVOA_V
ClientSampled :
GAQK5

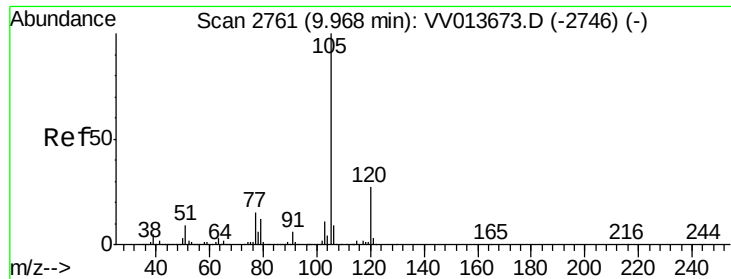
Tgt Ion:106 Resp: 329650
Ion Ratio Lower Upper
106 100
91 194.9 138.1 256.5



#54
o-xylene
Concen: 1.468 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV013680.D
Acq: 19 Nov 2019 15:57

Tgt Ion:106 Resp: 65428
Ion Ratio Lower Upper
106 100
91 204.1 146.9 272.7





#56

Isopropylbenzene

Concen: 0.127 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013680.D

Acq: 19 Nov 2019 15:57

Instrument :

MSVOA_V

ClientSampled :

GAQK5

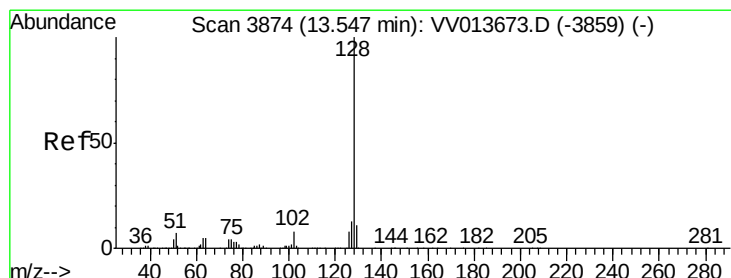
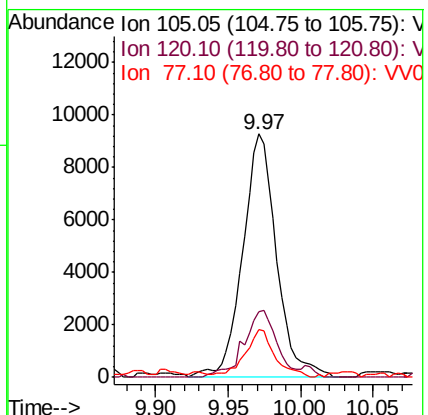
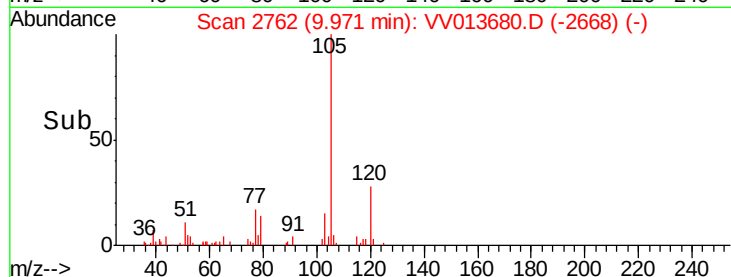
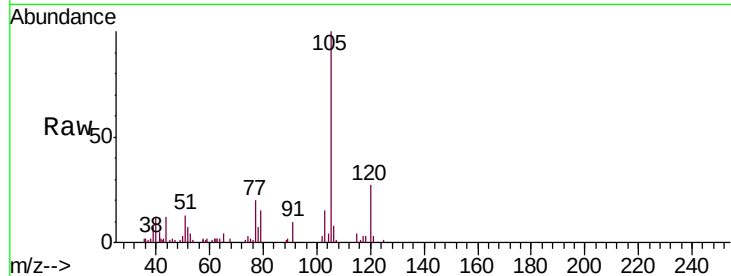
Tgt Ion:105 Resp: 15107

Ion Ratio Lower Upper

105 100

120 26.9 21.2 31.8

77 17.4 11.9 17.9



#69

Naphthalene

Concen: 6.105 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV013680.D

Acq: 19 Nov 2019 15:57

Tgt Ion:128 Resp: 358381

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

127 13.4 10.4 15.6

