

Data File : VV014518.D
Acq On : 06 Feb 2020 14:29
Operator : SY/MD
Sample : VV0206WBL02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VBLK202

Quant Time: Feb 07 01:40:22 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM020620W.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 07 01:37:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	385807	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	359088	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	174664	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	98695	47.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.34%
7) Chloroethane-d5	1.58	69	70622	48.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.96%
11) 1,1-Dichloroethene-d2	2.13	63	116129	36.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.10%
21) 2-Butanone-d5	3.92	46	168435	104.29	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.29%
24) Chloroform-d	4.40	84	233606	49.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.08	65	150362	51.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.34%
32) Benzene-d6	5.10	84	504332	50.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.44%
36) 1,2-Dichloropropane-d6	6.11	67	157495	51.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.32%
41) Toluene-d8	7.36	98	463242	50.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.20%
43) trans-1,3-Dichloropropene-	7.66	79	81462	49.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.66%
47) 2-Hexanone-d5	8.13	63	128993	99.45	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.45%
56) 1,1,2,2-Tetrachloroethane-	10.25	84	204388	51.62	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.24%
66) 1,2-Dichlorobenzene-d4	11.67	152	173951	51.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.86%

Target Compounds

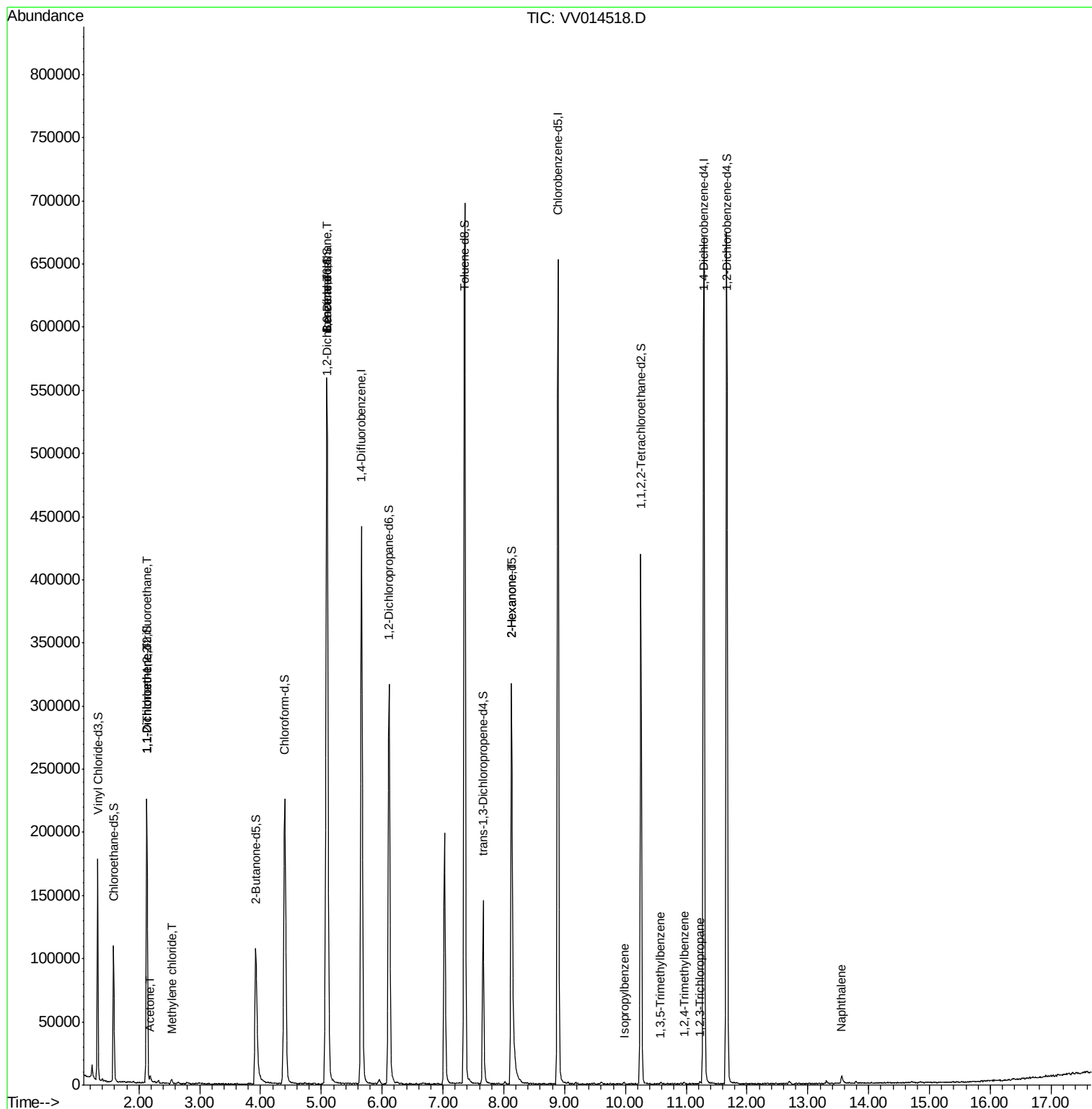
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1348	0.869	ug/L #	36
12) 1,1-Dichloroethene	2.13	96	1385	0.934	ug/L #	1
13) Acetone	2.19	43	4408	3.260	ug/L	98
16) Methylene chloride	2.54	84	1455	0.517	ug/L	81
27) 1,2-Dichloroethane	5.10	62	2779	0.785	ug/L	100
33) Benzene	5.10	78	4201	0.398	ug/L	100
48) 2-Hexanone	8.13	43	14274	5.336	ug/L #	73
60) Isopropylbenzene	9.97	105	781	0.066	ug/L #	90
61) 1,2,3-Trichloropropane	11.23	75	201	0.065	ug/L #	45
62) 1,3,5-Trimethylbenzene	10.58	105	1016	0.100	ug/L #	66
63) 1,2,4-Trimethylbenzene	10.96	105	1123	0.113	ug/L #	77
71) Naphthalene	13.55	128	6544	0.553	ug/L #	88

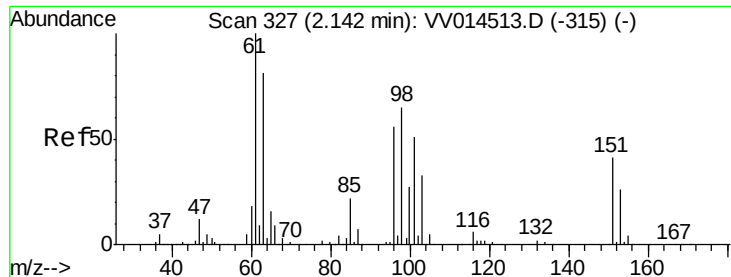
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.869 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV014518.D

Acq: 06 Feb 2020 14:29

Instrument :

MSVOA_V

ClientSampled :

VBLK202

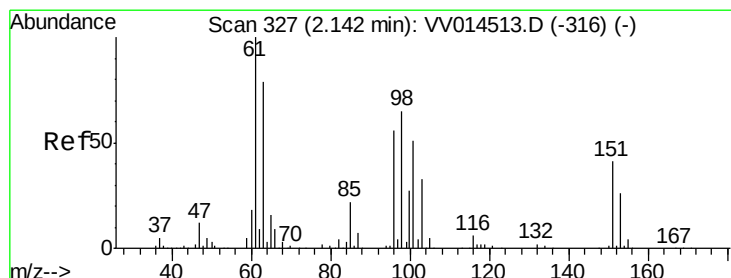
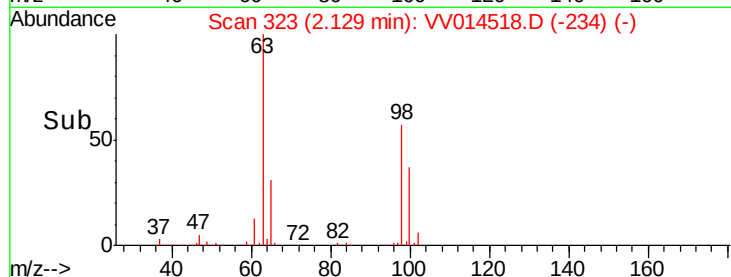
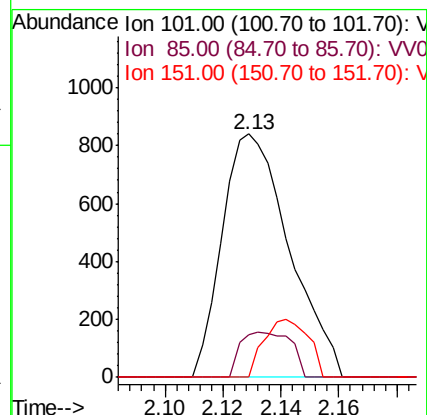
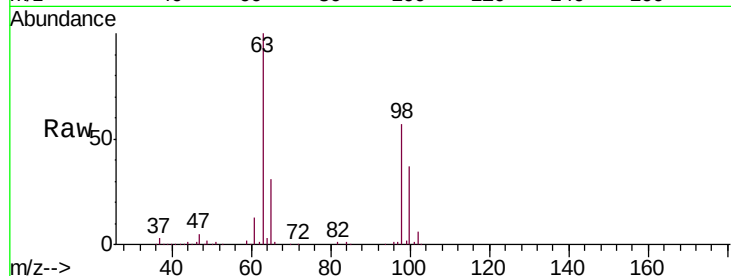
Tgt Ion: 101 Resp: 1348

Ion Ratio Lower Upper

101 100

85 14.0 35.0 52.6#

151 15.7 64.4 96.6#



#12

1,1-Dichloroethene

Concen: 0.934 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV014518.D

Acq: 06 Feb 2020 14:29

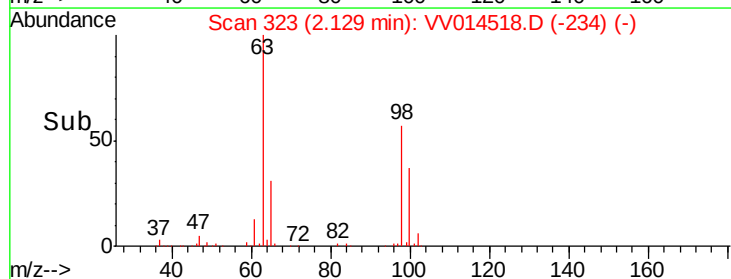
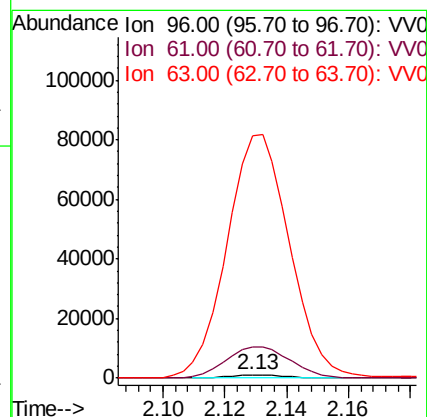
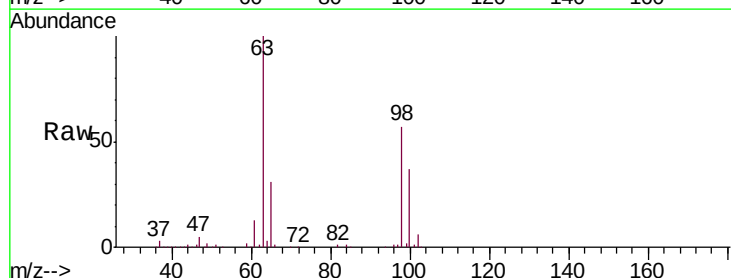
Tgt Ion: 96 Resp: 1385

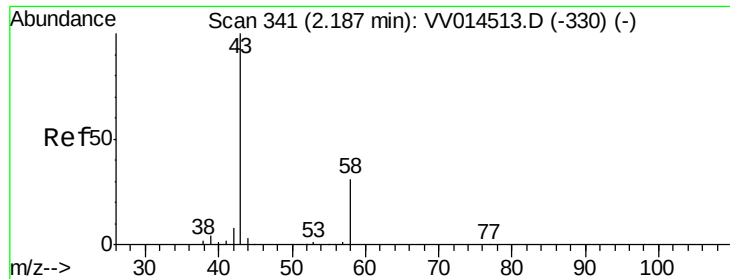
Ion Ratio Lower Upper

96 100

61 1073.7 125.0 232.2#

63 8212.1 101.6 188.6#





#13

Acetone

Concen: 3.260 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV014518.D

Acq: 06 Feb 2020 14:29

Instrument :

MSVOA_V

ClientSampleId :

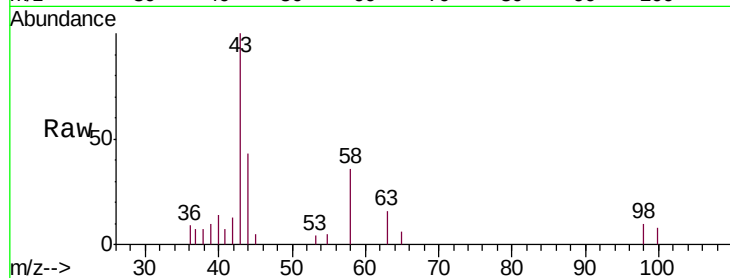
VBK202

Tgt Ion: 43 Resp: 4408

Ion Ratio Lower Upper

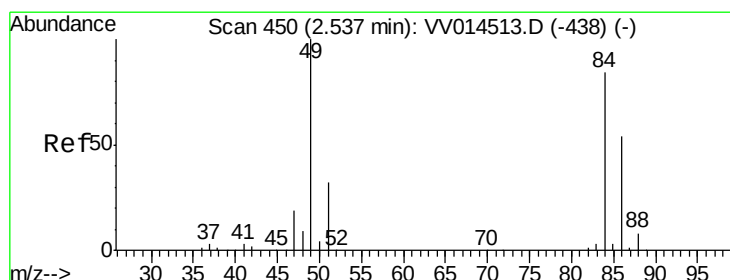
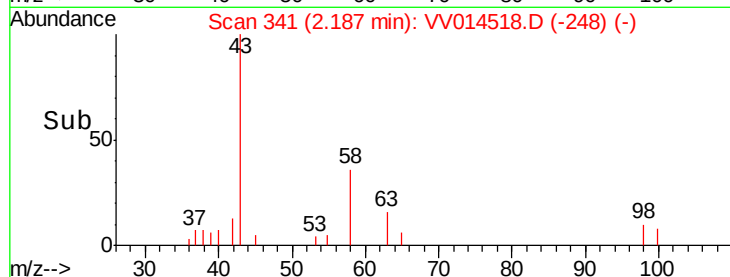
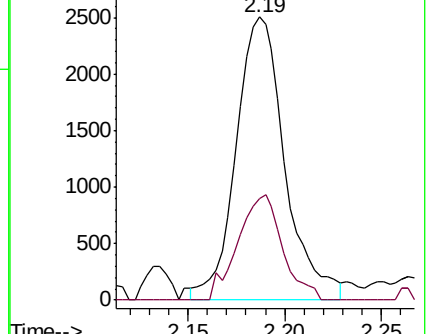
43 100

58 32.1 0.0 61.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#16

Methylene chloride

Concen: 0.517 ug/L

RT: 2.54 min Scan# 451

Delta R.T. 0.00 min

Lab File: VV014518.D

Acq: 06 Feb 2020 14:29

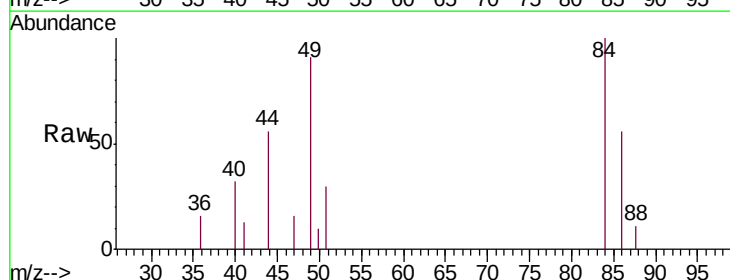
Tgt Ion: 84 Resp: 1455

Ion Ratio Lower Upper

84 100

86 56.1 44.6 82.8

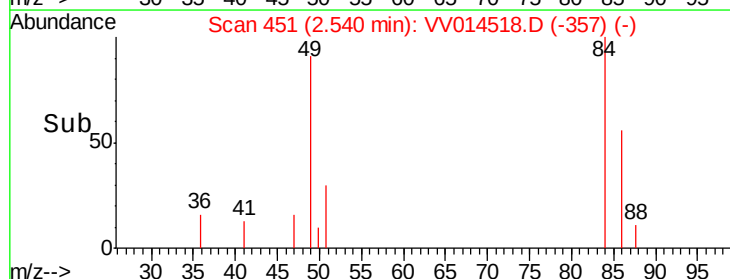
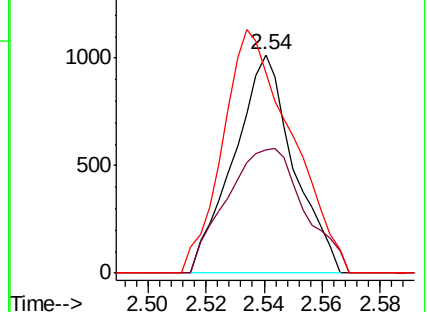
49 91.4 83.2 154.4

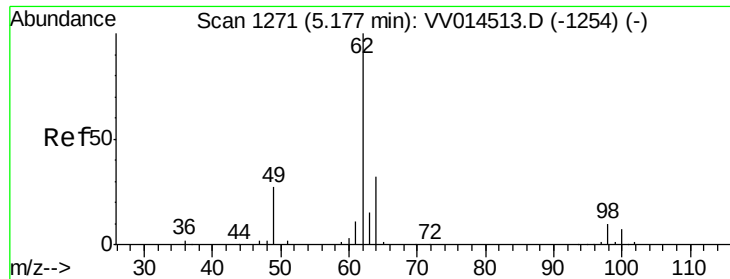


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

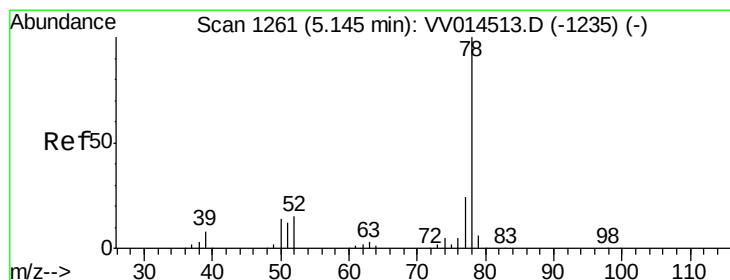
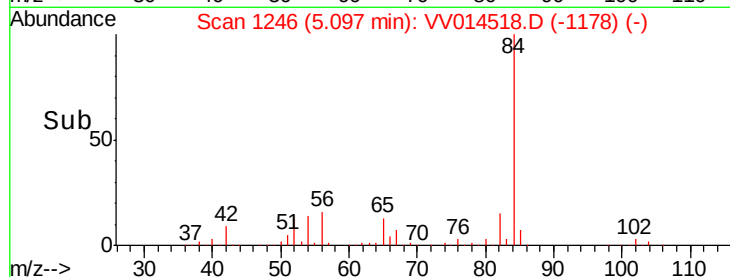
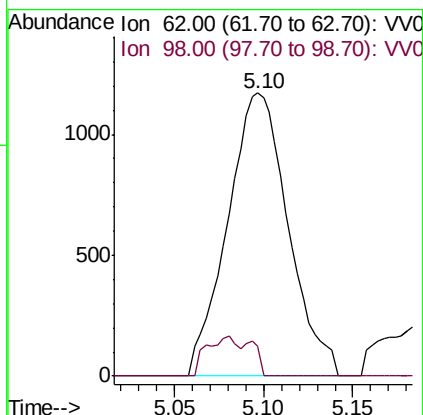
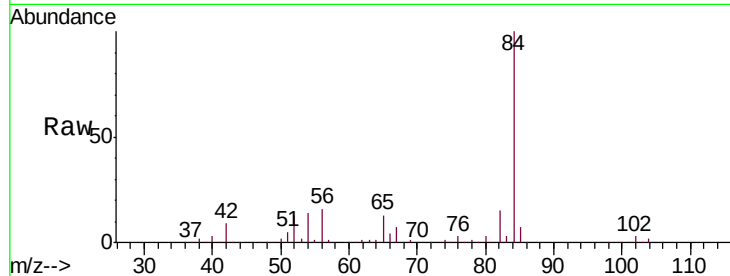




#27
 1,2-Dichloroethane
 Concen: 0.785 ug/L
 RT: 5.10 min Scan# 1246
 Delta R.T. -0.08 min
 Lab File: VV014518.D
 Acq: 06 Feb 2020 14:29

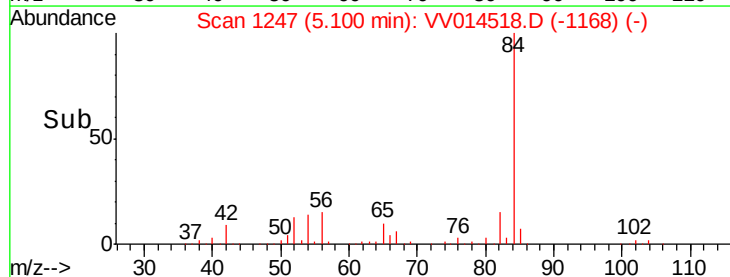
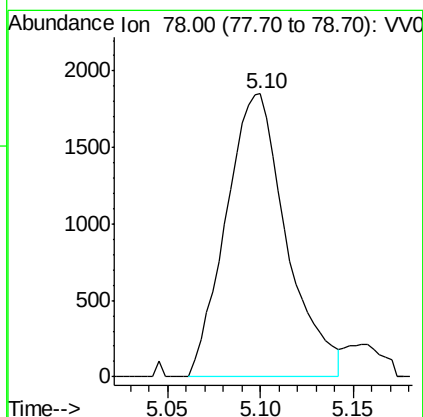
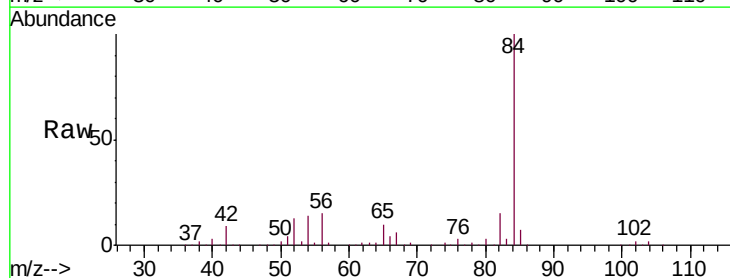
Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK202

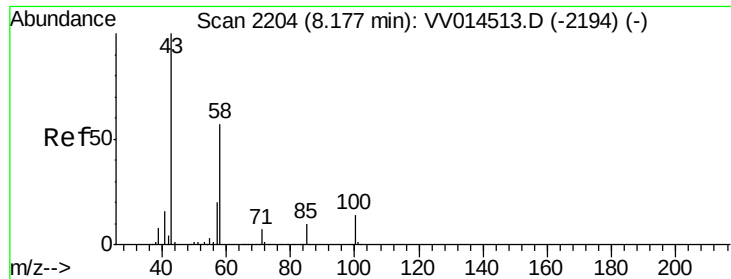
Tgt Ion: 62 Resp: 2779
 Ion Ratio Lower Upper
 62 100
 98 10.4 8.2 12.4



#33
 Benzene
 Concen: 0.398 ug/L
 RT: 5.10 min Scan# 1247
 Delta R.T. -0.04 min
 Lab File: VV014518.D
 Acq: 06 Feb 2020 14:29

Tgt Ion: 78 Resp: 4201





#48

2-Hexanone

Concen: 5.336 ug/L

RT: 8.13 min Scan# 2188

Delta R.T. -0.05 min

Lab File: VV014518.D

Acq: 06 Feb 2020 14:29

Instrument :

MSVOA_V

ClientSampleId :

VBLK202

Tgt Ion: 43 Resp: 14274

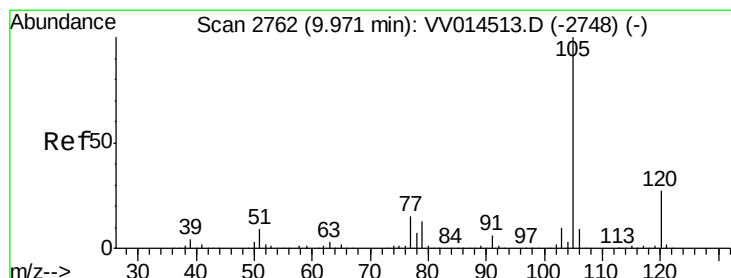
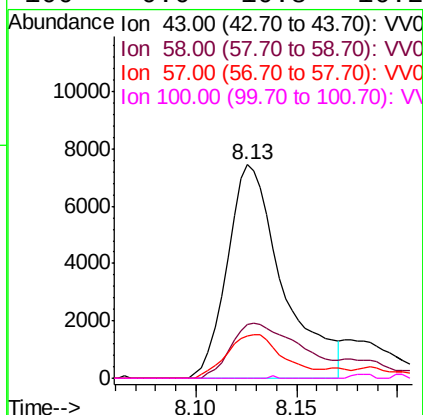
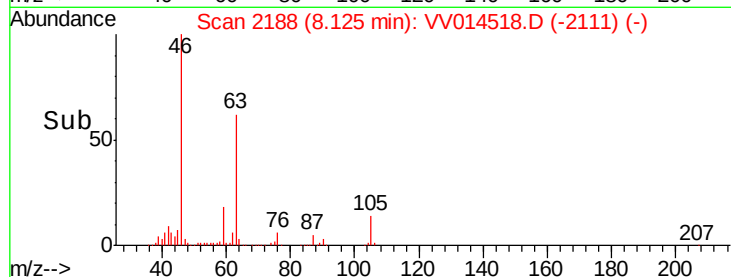
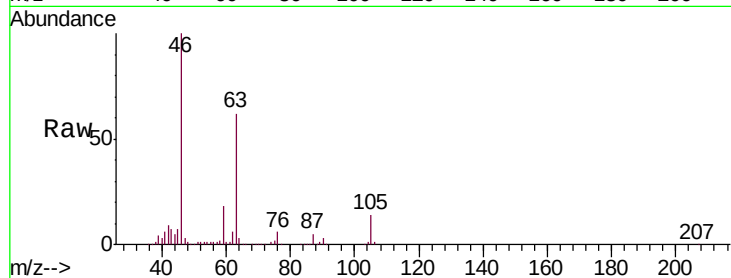
Ion Ratio Lower Upper

43 100

58 31.8 45.5 68.3#

57 21.0 15.8 23.6

100 0.0 10.8 16.2#



#60

Isopropylbenzene

Concen: 0.066 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV014518.D

Acq: 06 Feb 2020 14:29

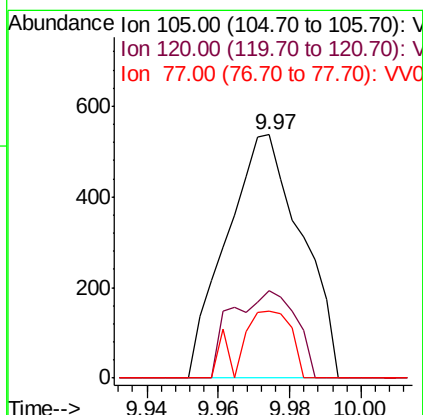
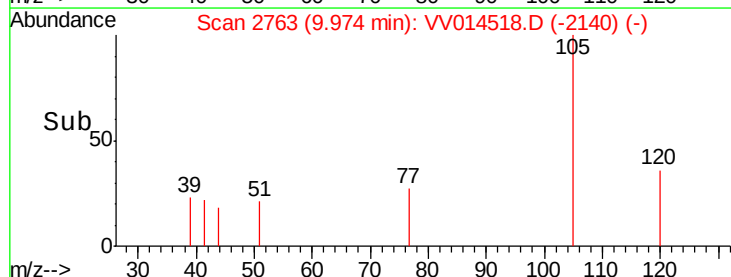
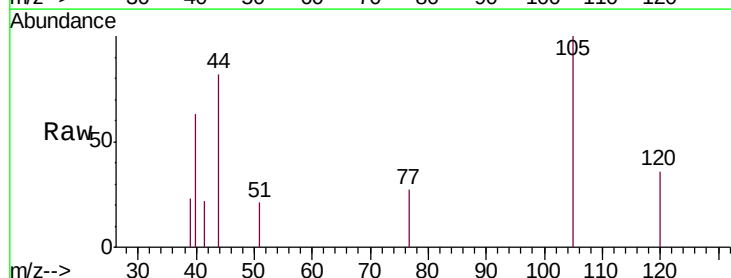
Tgt Ion: 105 Resp: 781

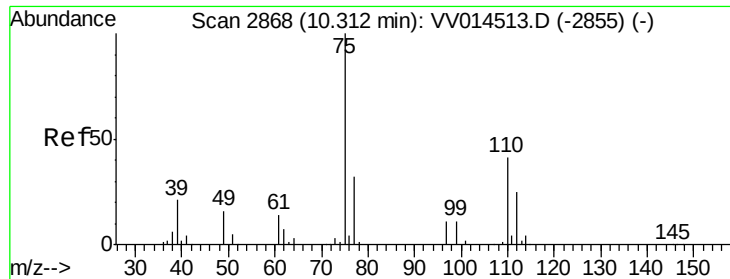
Ion Ratio Lower Upper

105 100

120 19.6 21.5 32.3#

77 16.0 12.2 18.4





#61

1,2,3-Trichloropropane

Concen: 0.065 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.92 min

Lab File: VV014518.D

Acq: 06 Feb 2020 14:29

Instrument :

MSVOA_V

ClientSampleId :

VBLK202

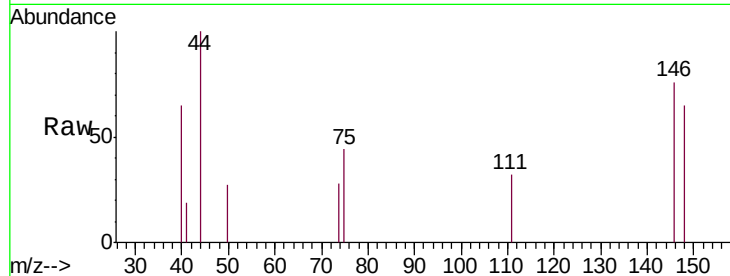
Tgt Ion: 75 Resp: 201

Ion Ratio Lower Upper

75 100

77 56.2 25.8 38.8#

110 0.0 32.4 48.6#



Abundance Ion 75.00 (74.70 to 75.70): VV014518.D (-2855) (-)

Ion 77.00 (76.70 to 77.70): VV014518.D (-2855) (-)

Ion 110.00 (109.70 to 110.70): VV014518.D (-2855) (-)

11.23

200

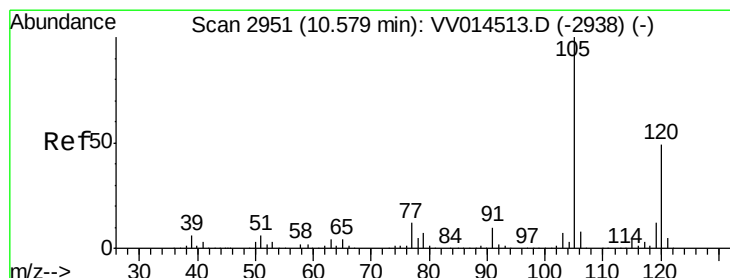
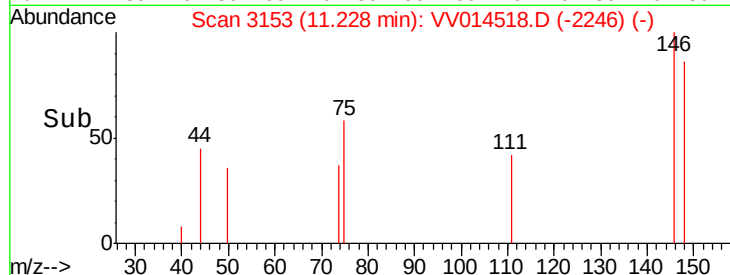
100

0

11.22

11.24

Time-->



#62

1,3,5-Trimethylbenzene

Concen: 0.100 ug/L

RT: 10.58 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VV014518.D

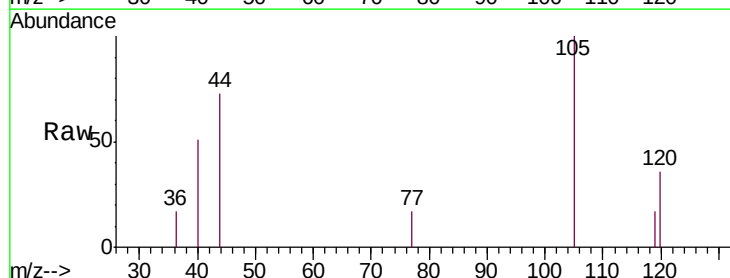
Acq: 06 Feb 2020 14:29

Tgt Ion: 105 Resp: 1016

Ion Ratio Lower Upper

105 100

120 25.4 39.0 58.6#



Abundance Ion 105.00 (104.70 to 105.70): VV014518.D (-2329) (-)

Ion 120.00 (119.70 to 120.70): VV014518.D (-2329) (-)

10.58

600

400

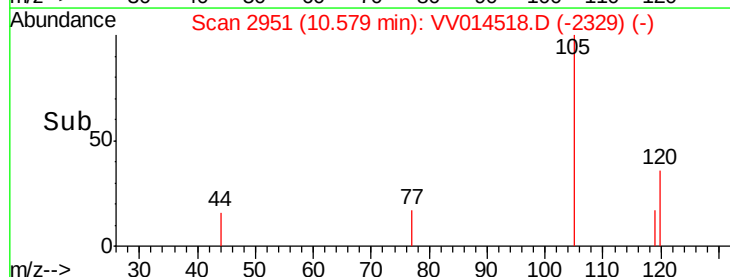
200

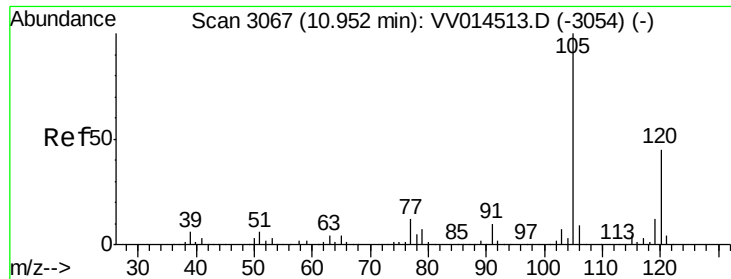
0

10.55

10.60

Time-->

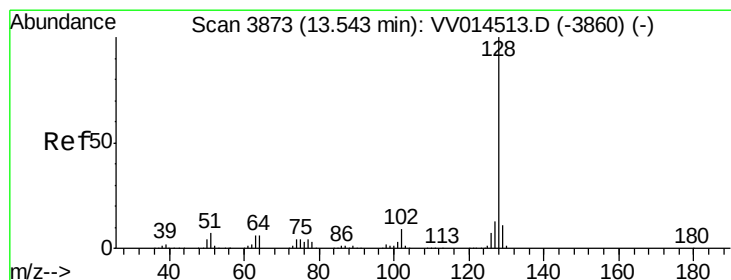
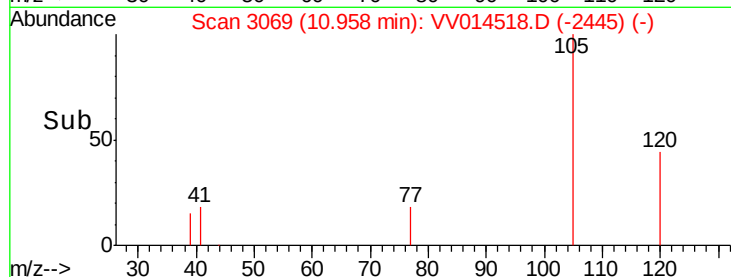
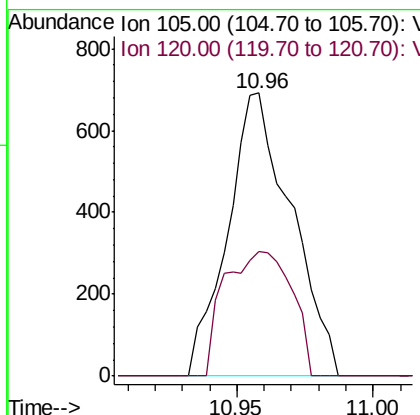
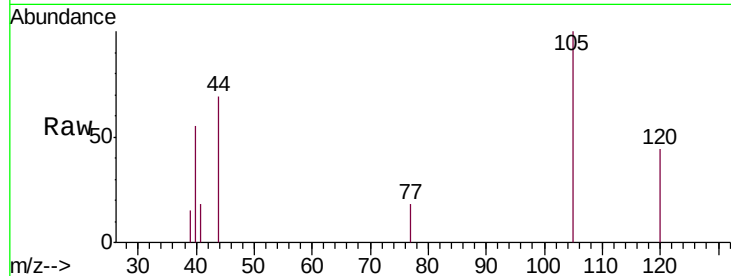




#63
 1,2,4-Trimethylbenzene
 Concen: 0.113 ug/L
 RT: 10.96 min Scan# 3069
 Delta R.T. 0.01 min
 Lab File: VV014518.D
 Acq: 06 Feb 2020 14:29

Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK202

Tgt Ion:105 Resp: 1123
 Ion Ratio Lower Upper
 105 100
 120 30.2 36.2 54.4#



#71
 Naphthalene
 Concen: 0.553 ug/L
 RT: 13.55 min Scan# 3876
 Delta R.T. 0.01 min
 Lab File: VV014518.D
 Acq: 06 Feb 2020 14:29

Tgt Ion:128 Resp: 6544
 Ion Ratio Lower Upper
 128 100
 127 10.4 10.3 15.5
 129 4.1 8.7 13.1#

