

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052720\
 Data File : VV016251.D
 Acq On : 28 May 2020 00:59
 Operator : SY/MD
 Sample : L2766-08
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BE4Z1

Quant Time: May 28 07:52:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 28 06:30:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	100933	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	95673	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	46531	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	27166	4.19	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.80%
7) Chloroethane-d5	1.58	69	25748	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.40%
11) 1,1-Dichloroethene-d2	2.13	63	39531	3.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.00%
20) 2-Butanone-d5	3.94	46	84170	52.35	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.70%
24) Chloroform-d	4.38	84	57242	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
26) 1,2-Dichloroethane-d4	5.06	65	31110	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
32) Benzene-d6	5.08	84	111500	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
36) 1,2-Dichloropropane-d6	6.10	67	35094	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.80%
41) Toluene-d8	7.34	98	101661	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
45) trans-1,3-Dichloropropene-	7.65	79	12199	4.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.20%
48) 2-Hexanone-d5	8.12	63	59279	47.29	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.58%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	24882	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	37260	4.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.60	64	23021	4.661	ug/L #	82
13) Acetone	2.21	43	4659	4.681	ug/L	72
17) Methyl tert-butyl Ether	2.79	73	11238	0.767	ug/L #	1
25) Chloroform	4.40	83	7848	0.599	ug/L	94
30) Cyclohexane	4.70	56	8411	0.691	ug/L	97
33) Benzene	5.13	78	1318914	47.906	ug/L	100
35) Methylcyclohexane	6.16	83	6703	0.554	ug/L	96
42) Toluene	7.41	91	17705	0.590	ug/L	99
53) Chlorobenzene	8.90	112	166757	8.988	ug/L	99
54) Ethylbenzene	9.04	91	35375	1.057	ug/L	98
55) m,p-xylene	9.16	106	98623	7.859	ug/L	100
56) o-xylene	9.57	106	16749	1.401	ug/L	99
58) Isopropylbenzene	9.95	105	87644	2.675	ug/L	100
63) 1,3-Dichlorobenzene	11.21	146	1689	0.119	ug/L	94
64) 1,4-Dichlorobenzene	11.30	146	15378	1.066	ug/L	96
66) 1,2-Dichlorobenzene	11.67	146	23454	1.827	ug/L	99

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 28 06:30:54 2020
Response via : Initial Calibration

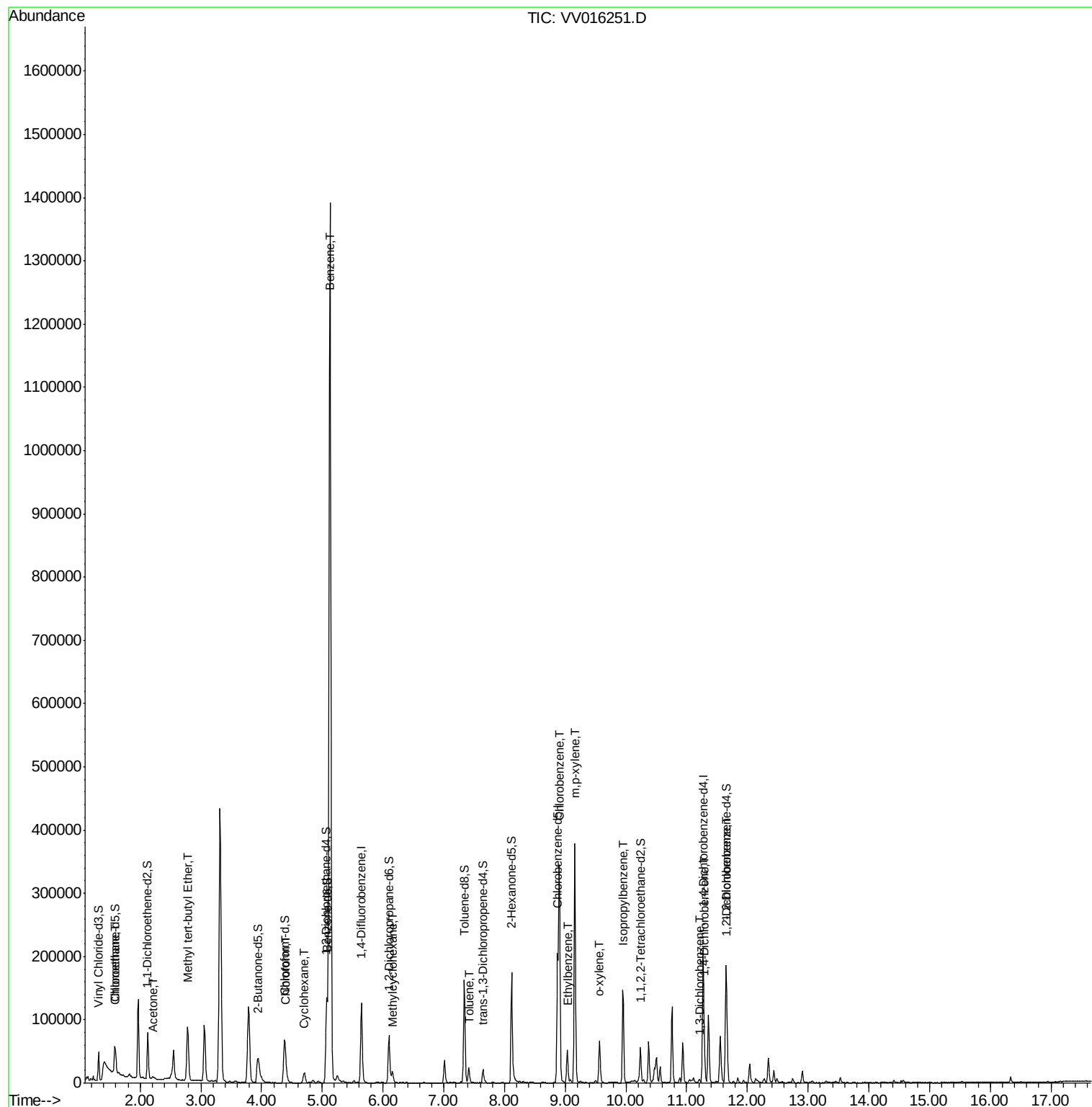
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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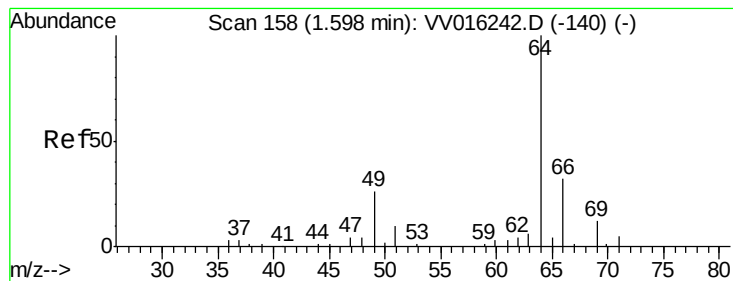
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#8

Chloroethane

Concen: 4.661 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV016251.D

Acq: 28 May 2020 00:59

Instrument :

MSVOA_V

ClientSampleID :

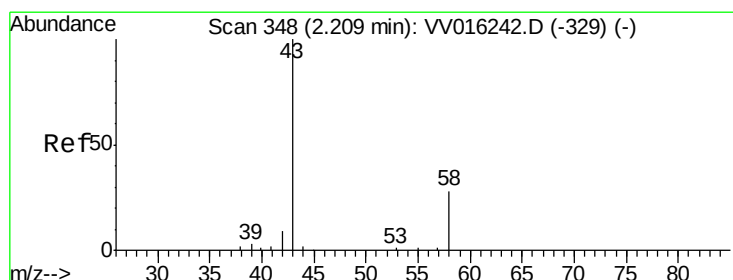
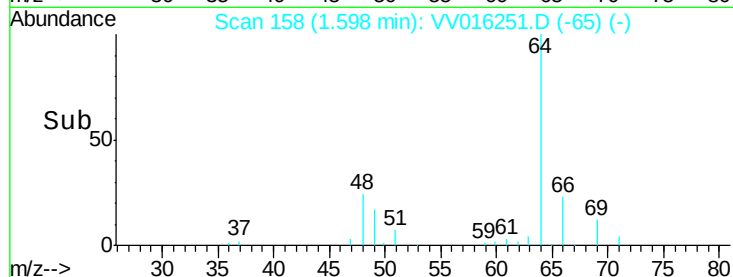
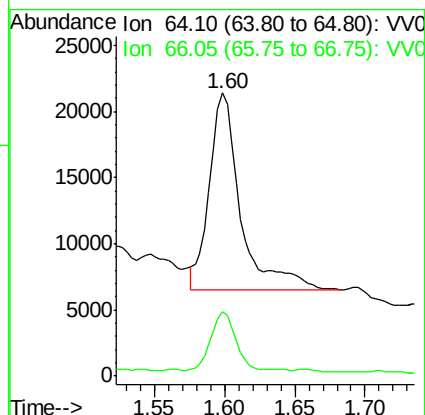
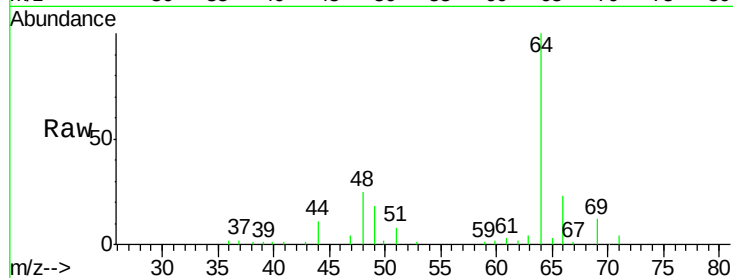
BE4Z1

Tot Ion: 64 Resp: 23021

Ion Ratio Lower Upper

64 100

66 22.7 22.9 42.5#



#13

Acetone

Concen: 4.681 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.00 min

Lab File: VV016251.D

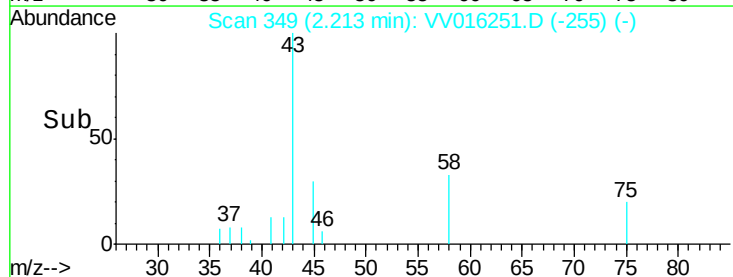
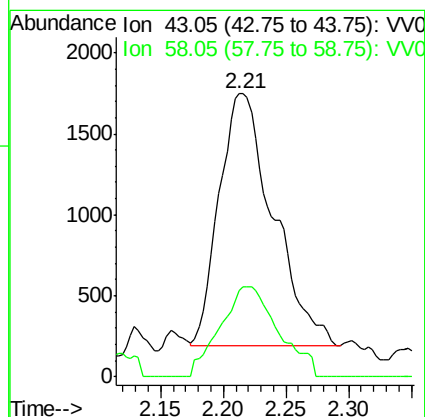
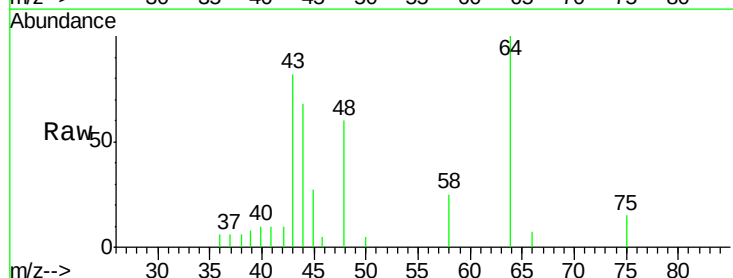
Acq: 28 May 2020 00:59

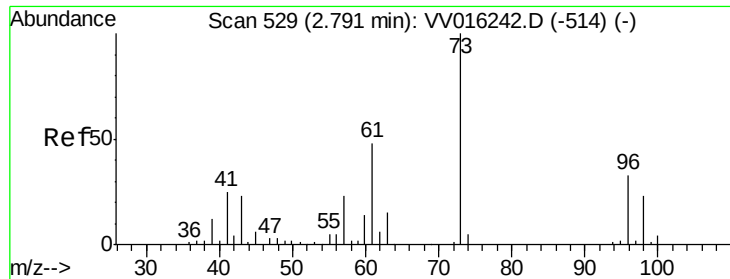
Tgt Ion: 43 Resp: 4659

Ion Ratio Lower Upper

43 100

58 38.4 0.0 48.8

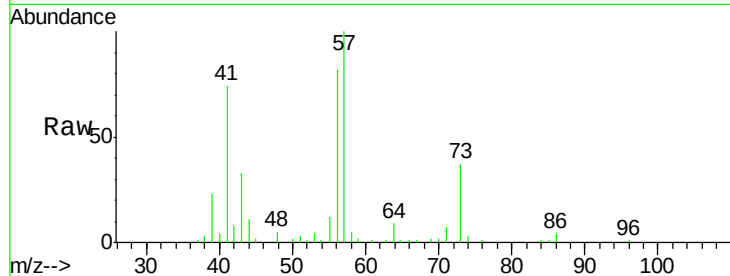




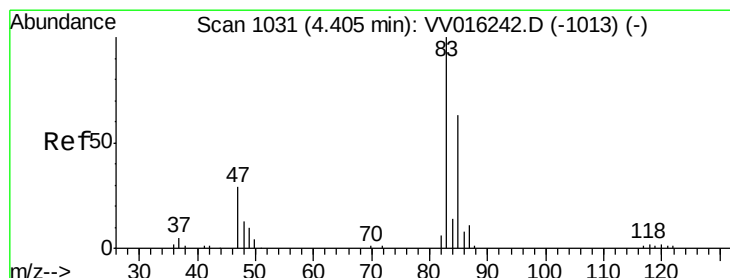
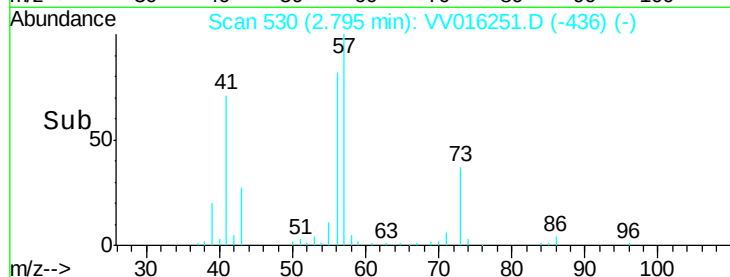
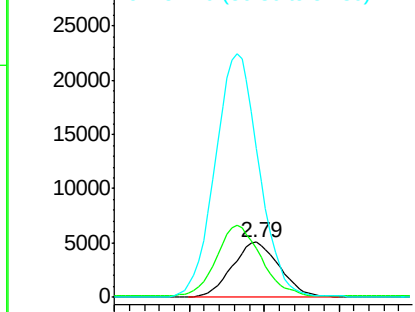
#17
Methyl tert-butyl Ether
Concen: 0.767 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV016251.D
Acq: 28 May 2020 00:59

Instrument :
MSVOA_V
ClientSampled :
BE4Z1

Tot Ion: 73 Resp: 11238
Ion Ratio Lower Upper
73 100
43 120.1 17.8 26.8#
57 408.5 18.9 28.3#

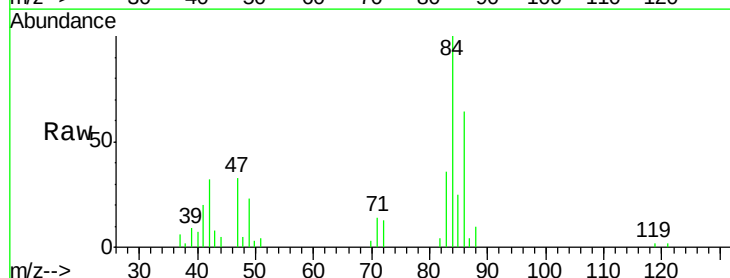


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

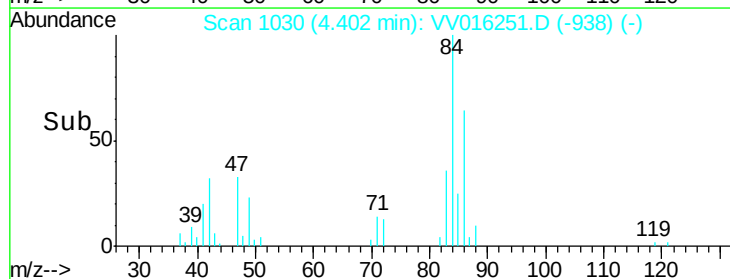
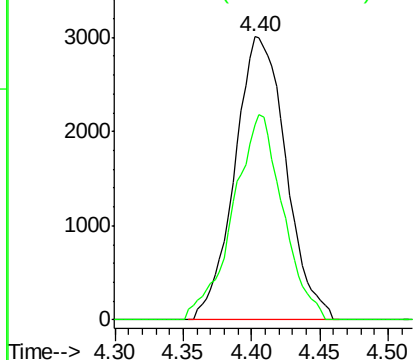


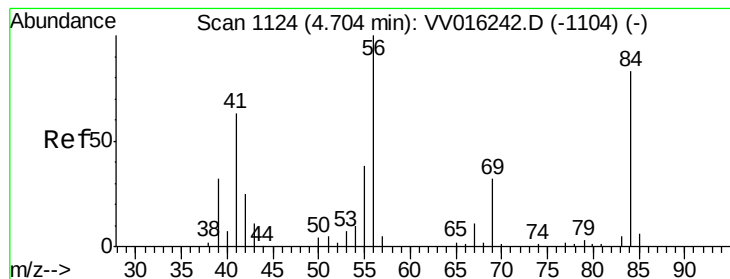
#25
Chloroform
Concen: 0.599 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV016251.D
Acq: 28 May 2020 00:59

Tgt Ion: 83 Resp: 7848
Ion Ratio Lower Upper
83 100
85 68.7 45.1 83.7



Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0





#30

Cyclohexane

Concen: 0.691 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV016251.D

Acq: 28 May 2020 00:59

Instrument :

MSVOA_V

ClientSampleId :

BE4Z1

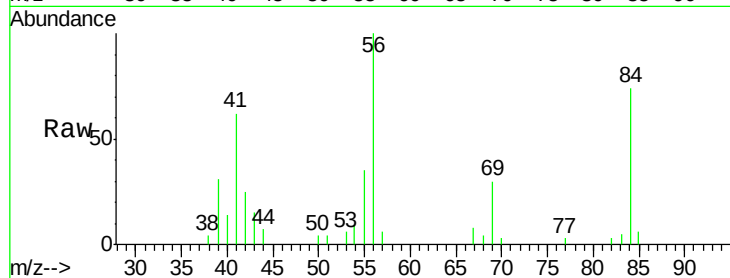
Tot Ion: 56 Resp: 8411

Ion Ratio Lower Upper

56 100

69 31.2 24.6 36.8

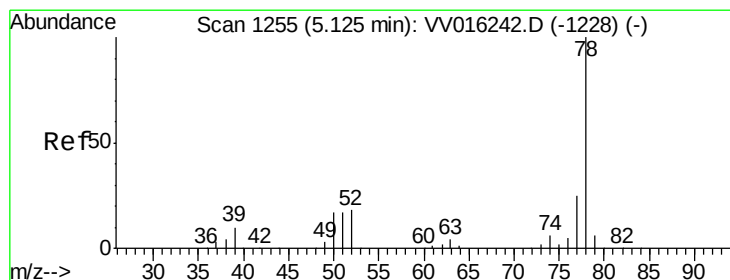
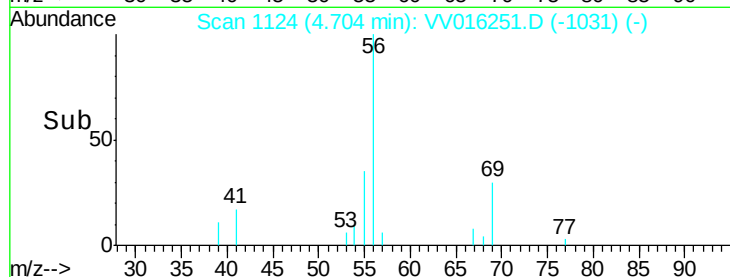
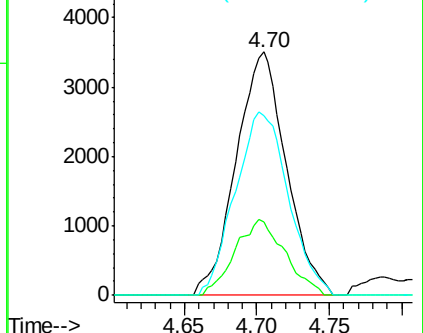
84 80.0 67.1 100.7



Abundance Ion 56.10 (55.80 to 56.80): VV016251.D (-1031) (-)

Ion 69.15 (68.85 to 69.85): VV016251.D (-1031) (-)

Ion 84.15 (83.85 to 84.85): VV016251.D (-1031) (-)



#33

Benzene

Concen: 47.906 ug/L

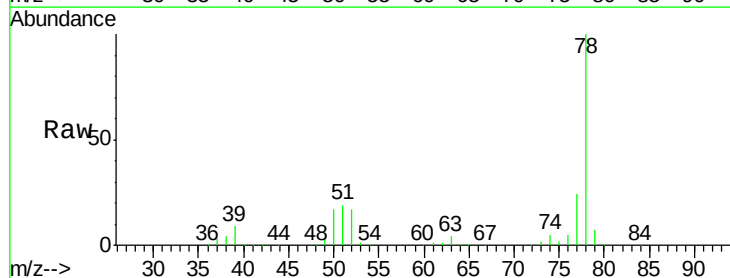
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

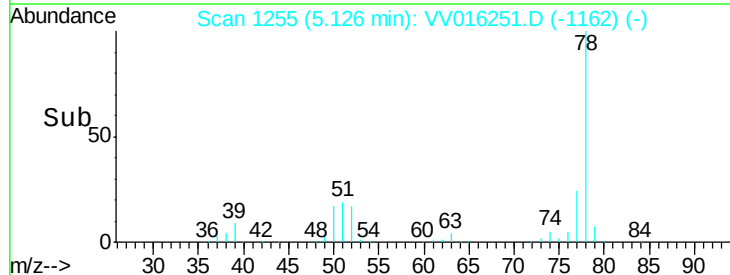
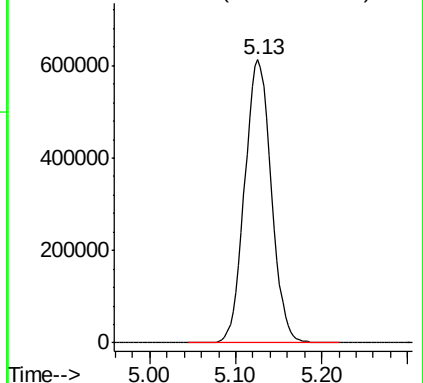
Lab File: VV016251.D

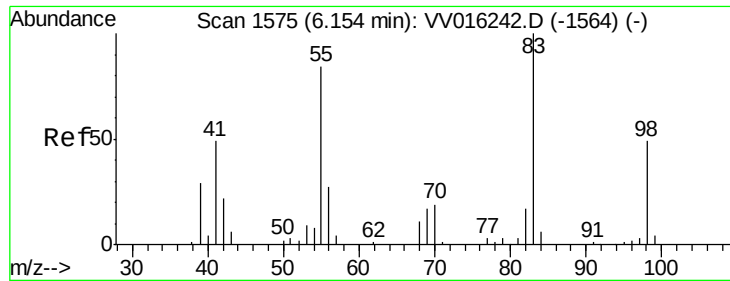
Acq: 28 May 2020 00:59

Tgt Ion: 78 Resp: 1318914



Abundance Ion 78.10 (77.80 to 78.80): VV016251.D (-1162) (-)

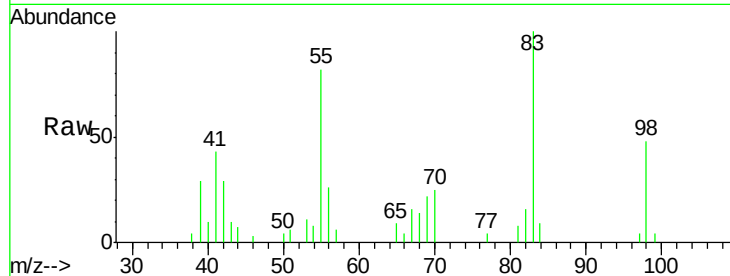




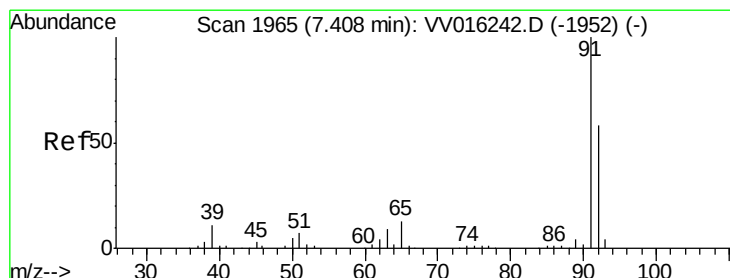
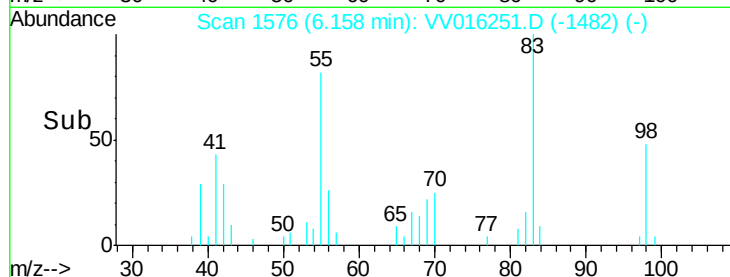
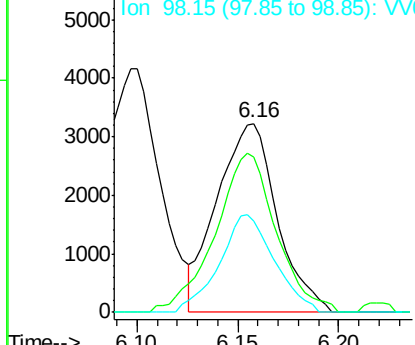
#35
Methylvlcyclohexane
Concen: 0.554 ug/L
RT: 6.16 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VV016251.D
Acq: 28 May 2020 00:59

Instrument :
MSVOA_V
ClientSampleId :
BE4Z1

Tot Ion: 83 Resp: 6703
Ion Ratio Lower Upper
83 100
55 85.3 65.4 98.0
98 47.1 39.3 58.9

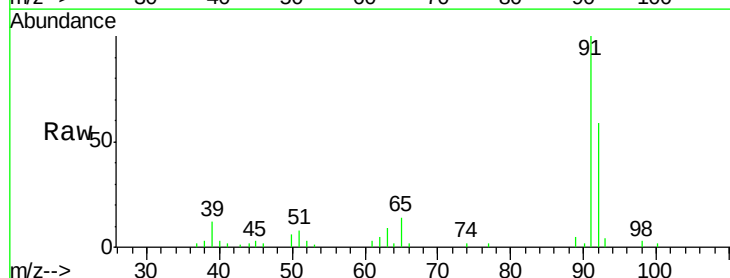


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

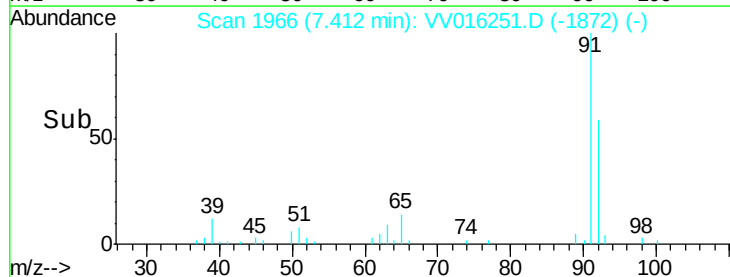
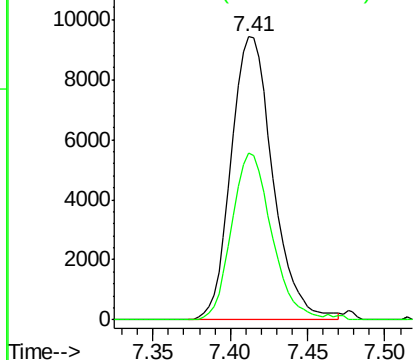


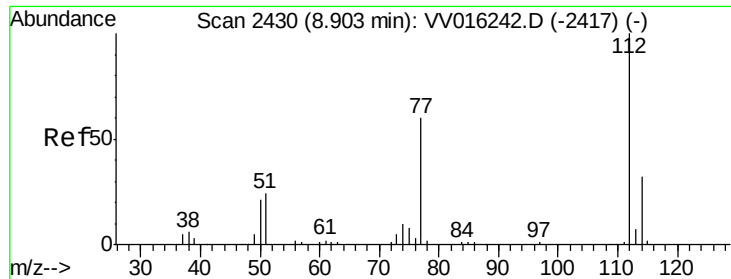
#42
Toluene
Concen: 0.590 ug/L
RT: 7.41 min Scan# 1966
Delta R.T. 0.00 min
Lab File: VV016251.D
Acq: 28 May 2020 00:59

Tgt Ion: 91 Resp: 17705
Ion Ratio Lower Upper
91 100
92 59.1 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 92.15 (91.85 to 92.85): VV0

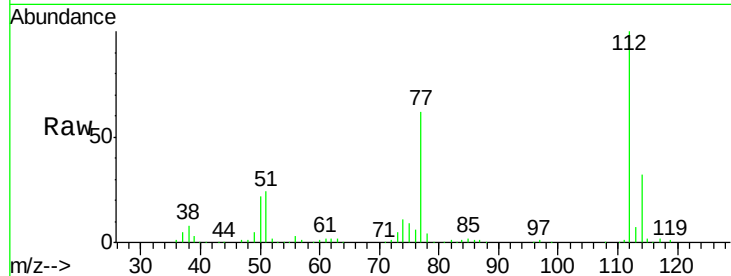




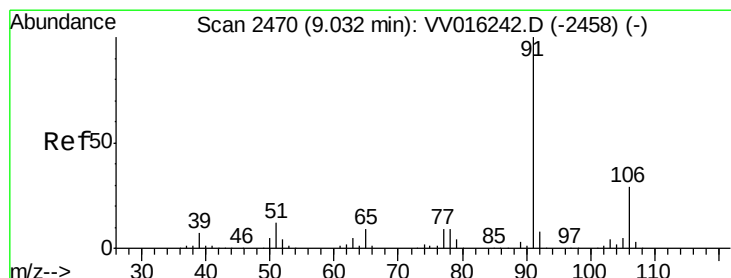
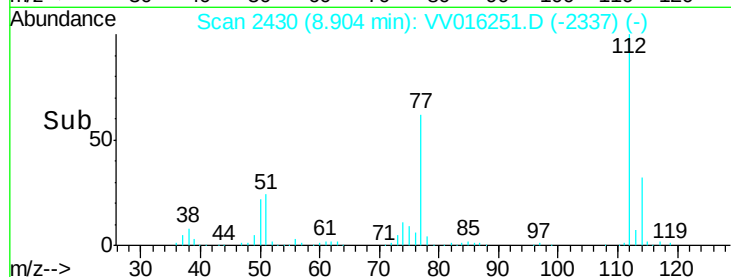
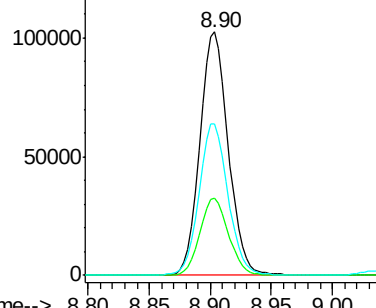
#53
Chlorobenzene
Concen: 8.988 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV016251.D
Acq: 28 May 2020 00:59

Instrument :
MSVOA_V
ClientSampled :
BE4Z1

Tot Ion:112 Resp: 166757
Ion Ratio Lower Upper
112 100
114 31.7 22.3 41.3
77 62.0 50.7 76.1

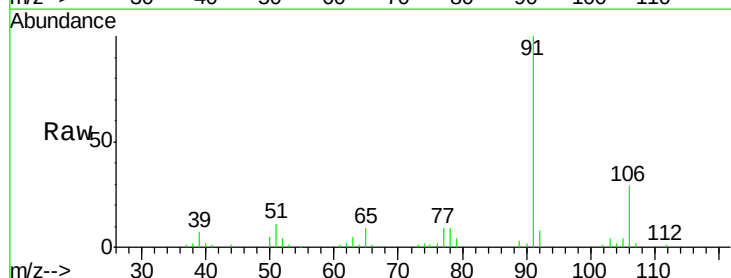


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

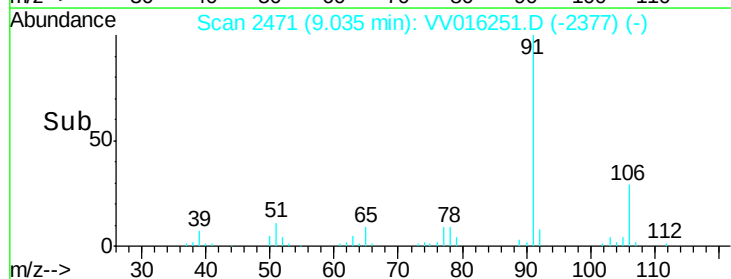
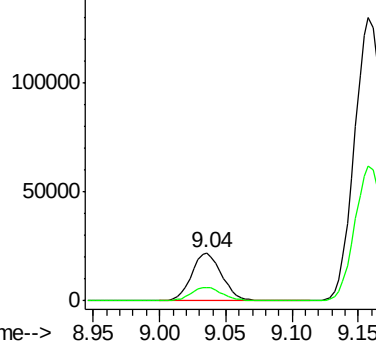


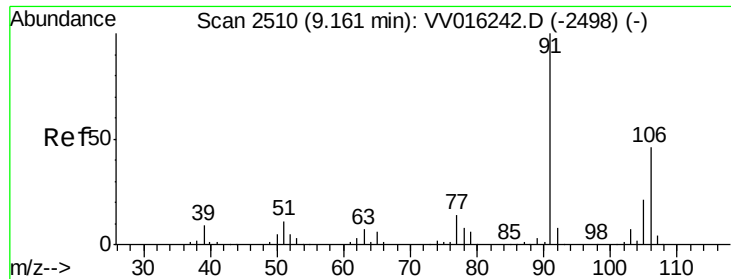
#54
Ethylbenzene
Concen: 1.057 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV016251.D
Acq: 28 May 2020 00:59

Tgt Ion: 91 Resp: 35375
Ion Ratio Lower Upper
91 100
106 28.7 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 106.15 (105.85 to 106.85): V





#55

m,p-xylene

Concen: 7.859 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV016251.D

Acq: 28 May 2020 00:59

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MSVOA_V

ClientSampleId :

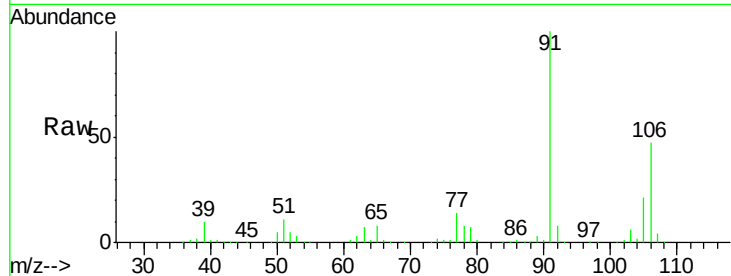
BE4Z1

Tot Ion:106 Resp: 98623

Ion Ratio Lower Upper

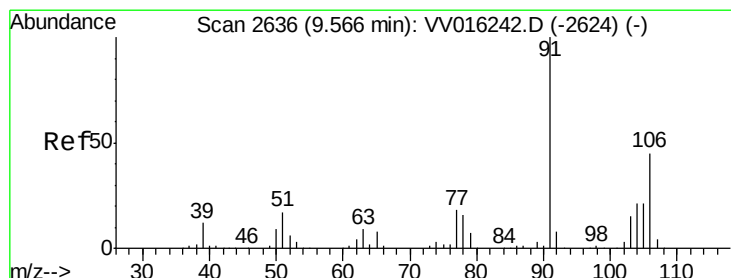
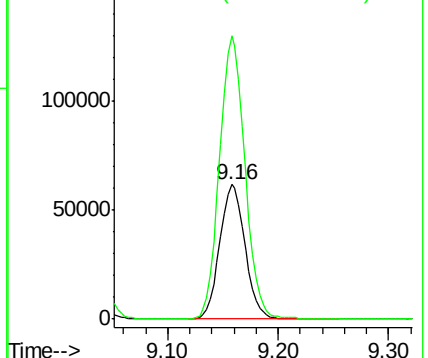
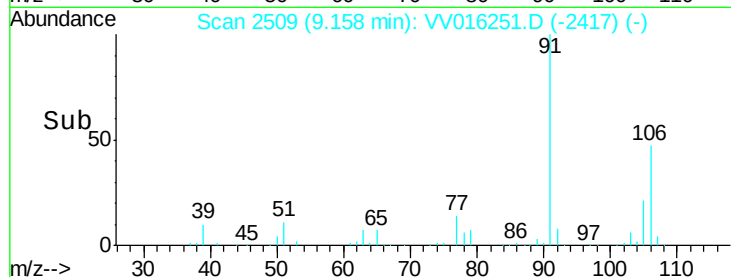
106 100

91 210.8 148.1 275.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#56

o-xylene

Concen: 1.401 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV016251.D

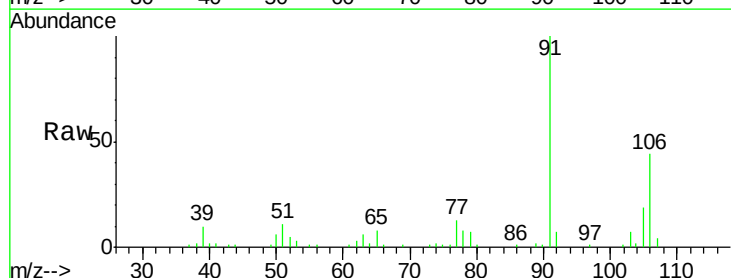
Acq: 28 May 2020 00:59

Tgt Ion:106 Resp: 16749

Ion Ratio Lower Upper

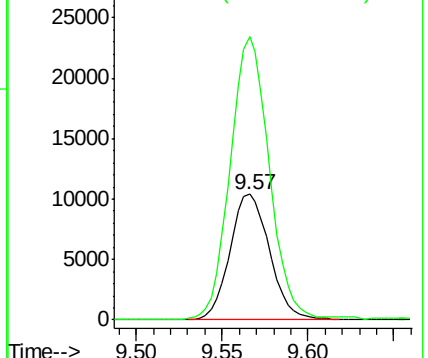
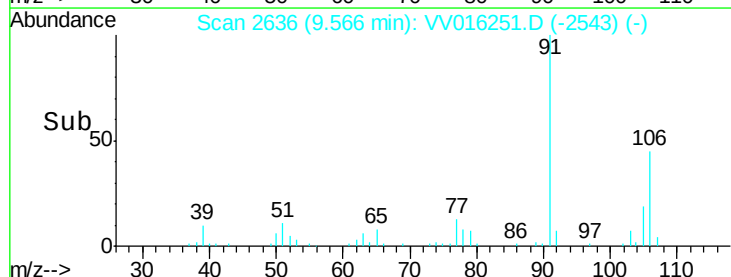
106 100

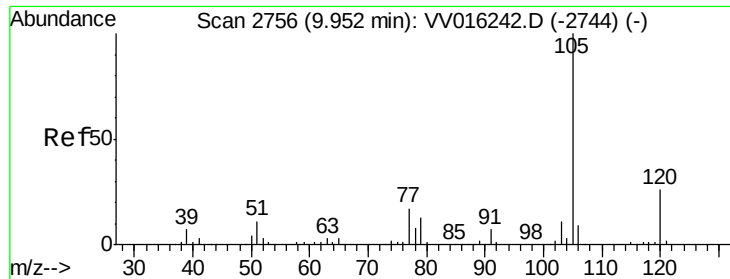
91 225.8 158.8 294.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#58

Isopropylbenzene

Concen: 2.675 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016251.D

Acq: 28 May 2020 00:59

Instrument :

MSVOA_V

ClientSampleId :

BE4Z1

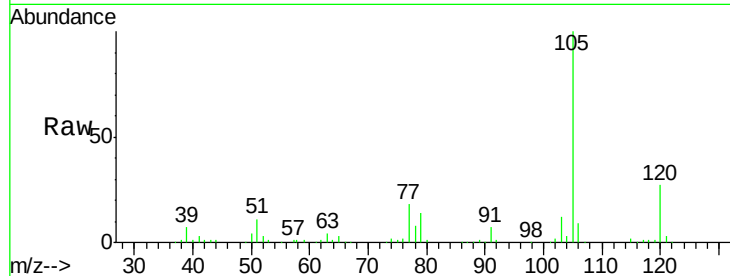
Tot Ion:105 Resp: 87644

Ion Ratio Lower Upper

105 100

120 25.9 20.9 31.3

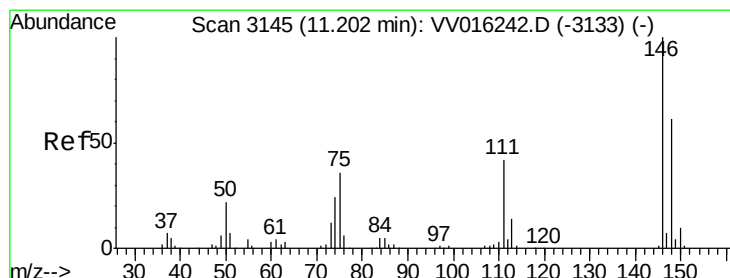
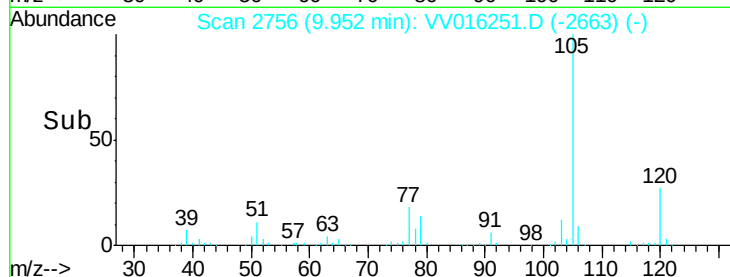
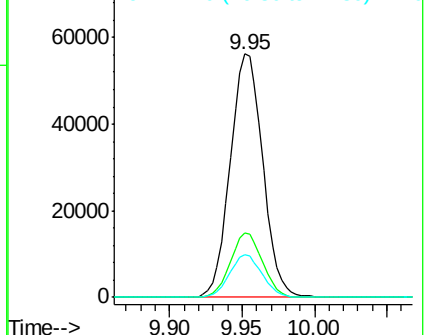
77 17.2 13.9 20.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#63

1,3-Dichlorobenzene

Concen: 0.119 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV016251.D

Acq: 28 May 2020 00:59

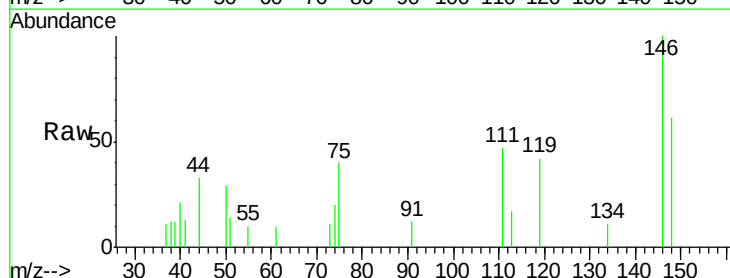
Tgt Ion:146 Resp: 1689

Ion Ratio Lower Upper

146 100

111 46.5 29.7 55.1

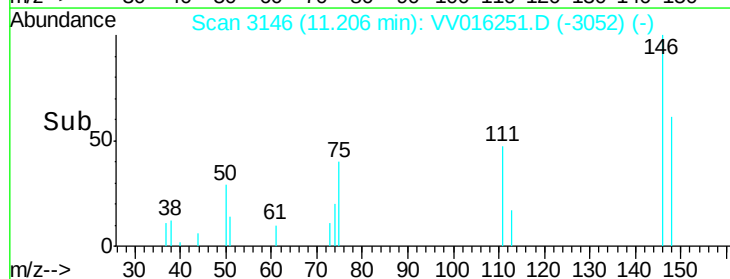
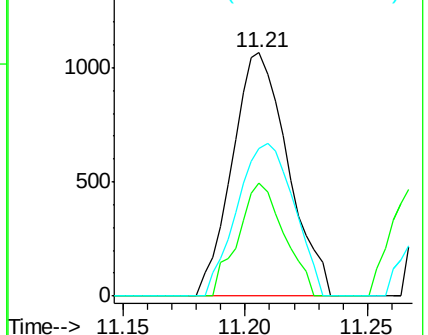
148 60.7 45.9 85.3

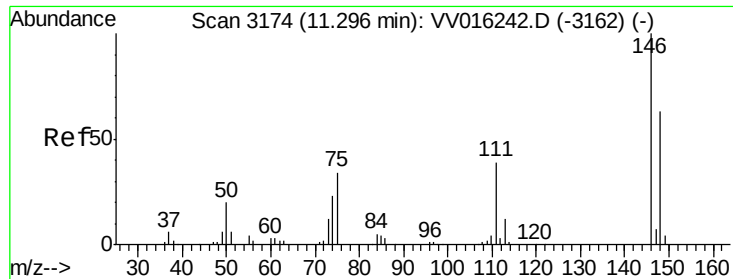


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 1.066 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV016251.D

Acq: 28 May 2020 00:59

Instrument :

MSVOA_V

ClientSampled :

BE4Z1

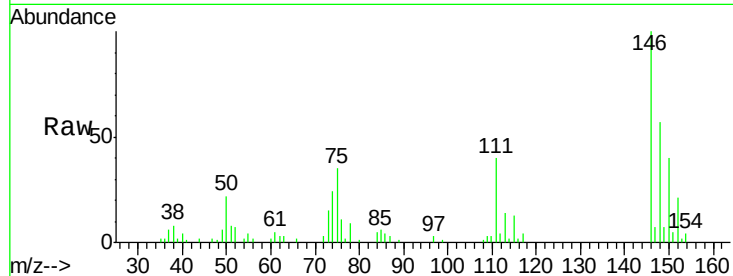
Tot Ion:146 Resp: 15378

Ion Ratio Lower Upper

146 100

111 40.3 28.3 52.7

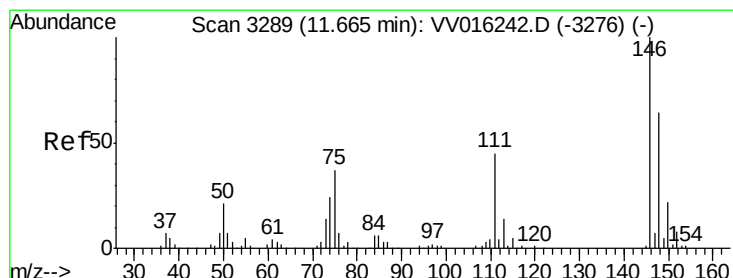
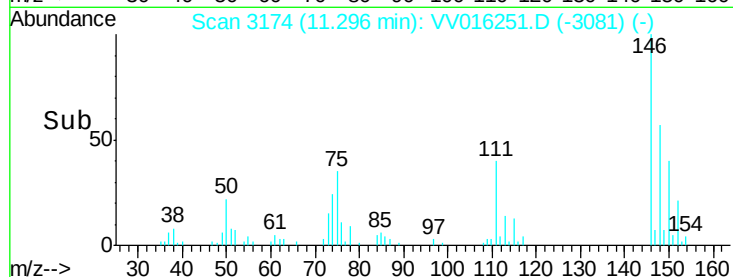
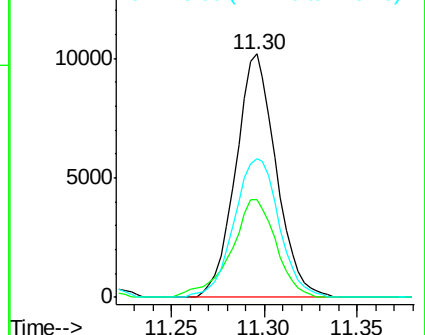
148 57.1 43.3 80.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dichlorobenzene

Concen: 1.827 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV016251.D

Acq: 28 May 2020 00:59

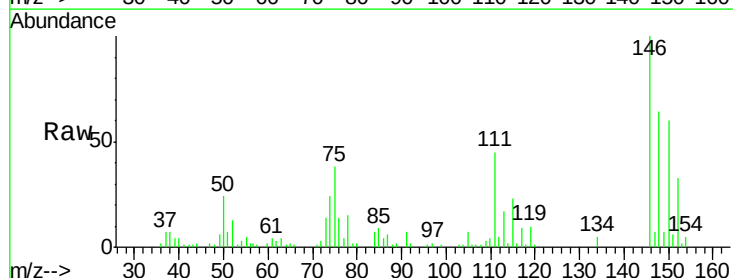
Tgt Ion:146 Resp: 23454

Ion Ratio Lower Upper

146 100

111 45.3 35.7 53.5

148 64.0 51.3 76.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

