

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052720\
 Data File : VV016247.D
 Acq On : 27 May 2020 23:22
 Operator : SY/MD
 Sample : L2766-04
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BE4Y7

Quant Time: May 28 07:03:17 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	80870	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	79730	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	39501	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	24770	4.77	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.40%
7) Chloroethane-d5	1.58	69	23167	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.60%
11) 1,1-Dichloroethene-d2	2.13	63	36402	3.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.60%
20) 2-Butanone-d5	3.94	46	73165	56.79	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.58%
24) Chloroform-d	4.38	84	51929	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
26) 1,2-Dichloroethane-d4	5.06	65	27841	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.08	84	101387	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	6.10	67	31655	5.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.60%
41) Toluene-d8	7.34	98	89291	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
45) trans-1,3-Dichloropropene-	7.65	79	10100	4.43	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.60%
48) 2-Hexanone-d5	8.12	63	50283	48.14	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.28%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	22627	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	34834	5.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.60	64	4304	1.088	ug/L #	70
13) Acetone	2.22	43	2080	2.608	ug/L	98
17) Methyl tert-butyl Ether	2.79	73	7728	0.658	ug/L #	47
25) Chloroform	4.41	83	2546	0.243	ug/L	98
30) Cyclohexane	4.70	56	4860	0.479	ug/L	97
33) Benzene	5.13	78	3312787	144.388	ug/L	100
35) Methylcyclohexane	6.15	83	2849	0.283	ug/L #	73
42) Toluene	7.41	91	32662	1.305	ug/L	100
53) Chlorobenzene	8.90	112	348612	22.548	ug/L	99
54) Ethylbenzene	9.04	91	110952	3.978	ug/L	98
55) m,p-xylene	9.16	106	913799	87.377	ug/L	99
56) o-xylene	9.57	106	378137	37.942	ug/L	99
58) Isopropylbenzene	9.95	105	65031	2.382	ug/L	98
63) 1,3-Dichlorobenzene	11.21	146	1419	0.118	ug/L	95
64) 1,4-Dichlorobenzene	11.30	146	19757	1.613	ug/L	96
66) 1,2-Dichlorobenzene	11.67	146	5109	0.469	ug/L	98

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

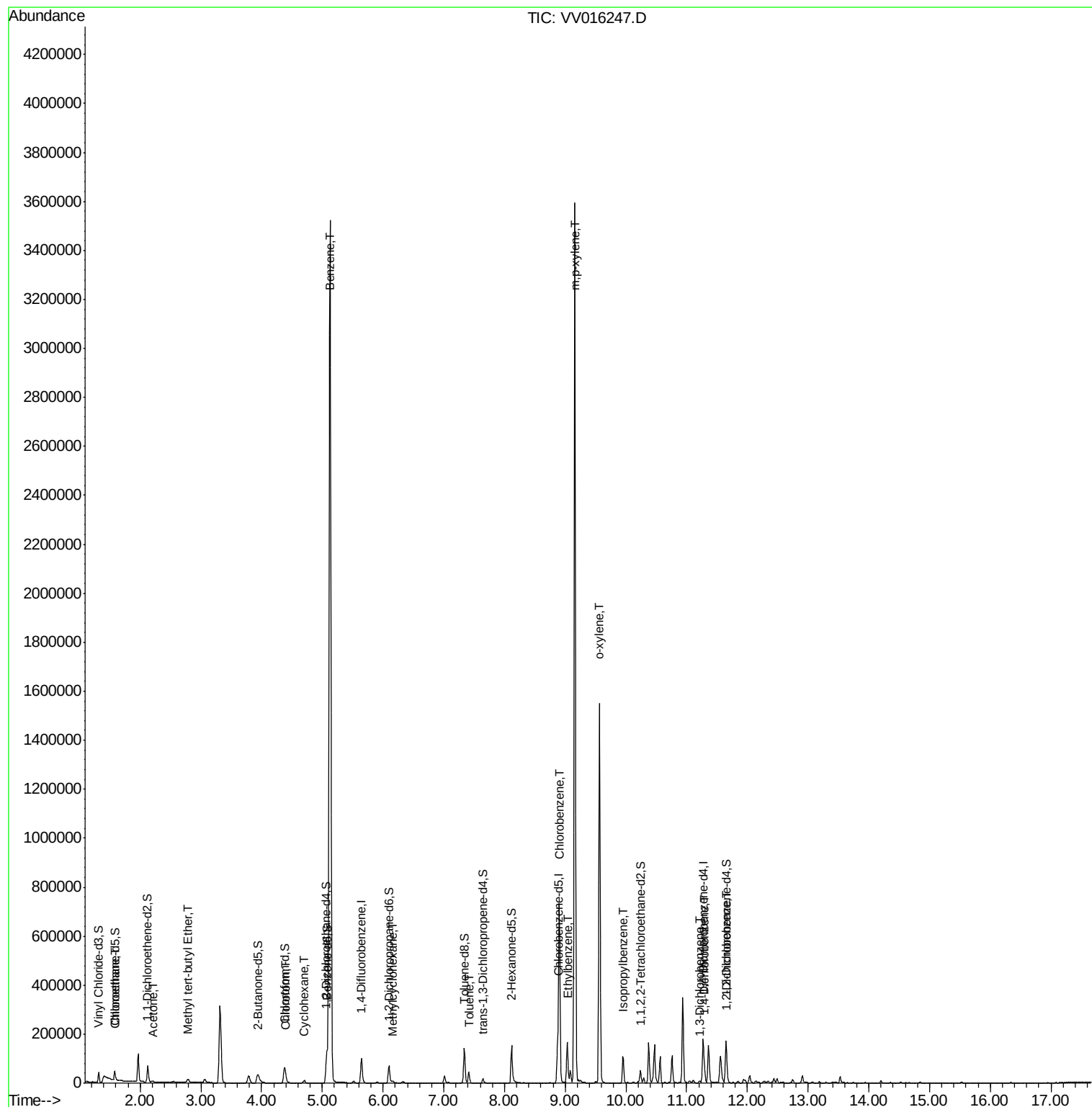
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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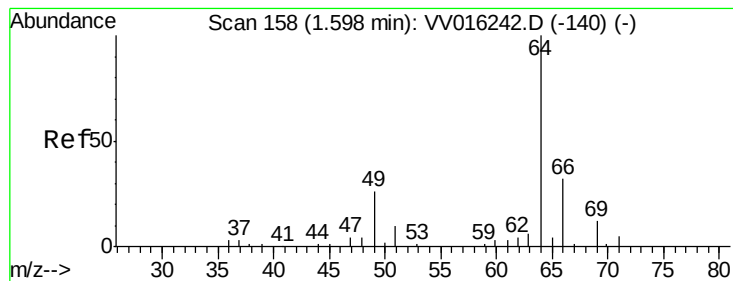
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 28 06:30:54 2020
Response via : Initial Calibration





#8

Chloroethane

Concen: 1.088 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV016247.D

Acq: 27 May 2020 23:22

Instrument :

MSVOA_V

ClientSampled :

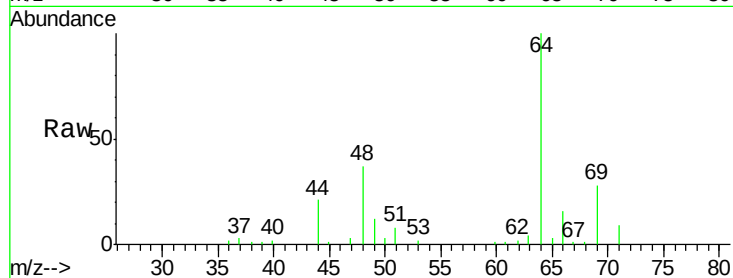
BE4Y7

Tot Ion: 64 Resp: 4304

Ion Ratio Lower Upper

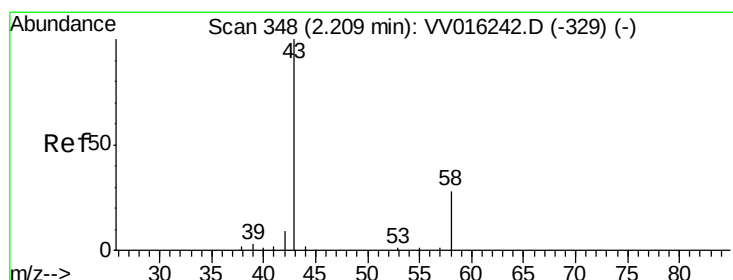
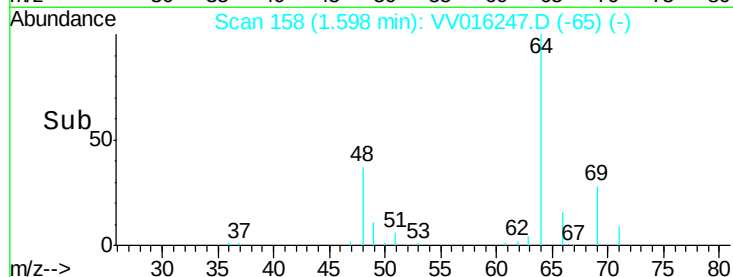
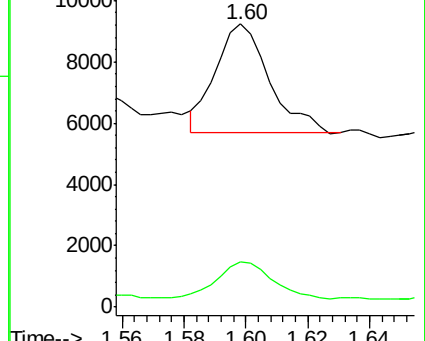
64 100

66 16.1 22.9 42.5#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0



#13

Acetone

Concen: 2.608 ug/L

RT: 2.22 min Scan# 351

Delta R.T. 0.01 min

Lab File: VV016247.D

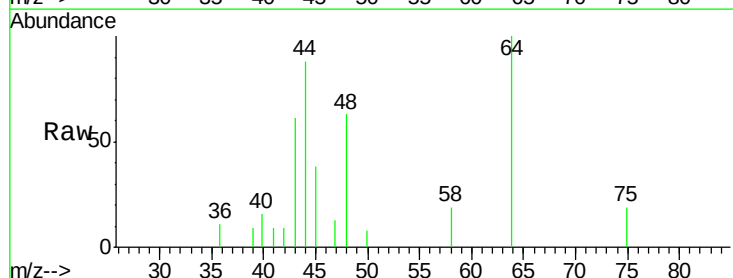
Acq: 27 May 2020 23:22

Tgt Ion: 43 Resp: 2080

Ion Ratio Lower Upper

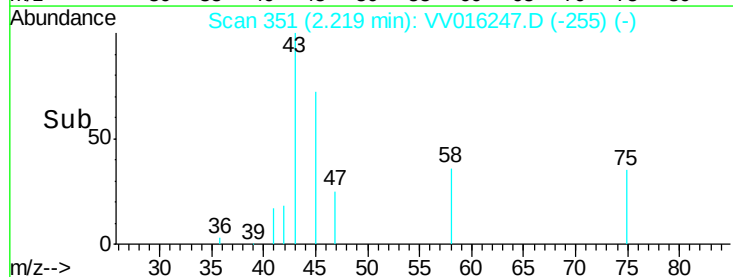
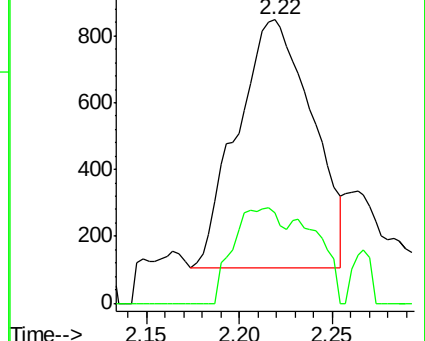
43 100

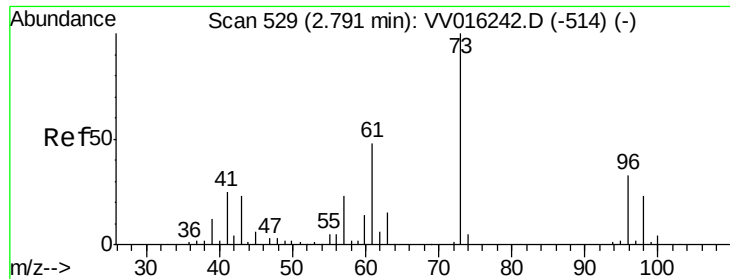
58 25.5 0.0 48.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

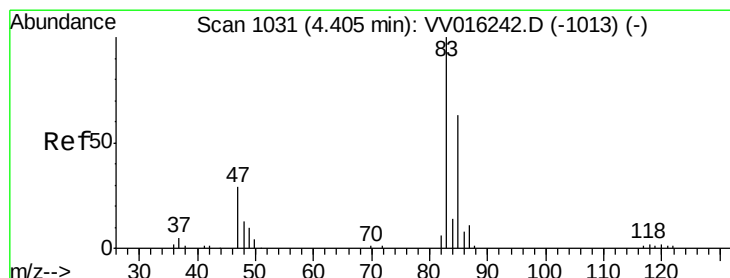
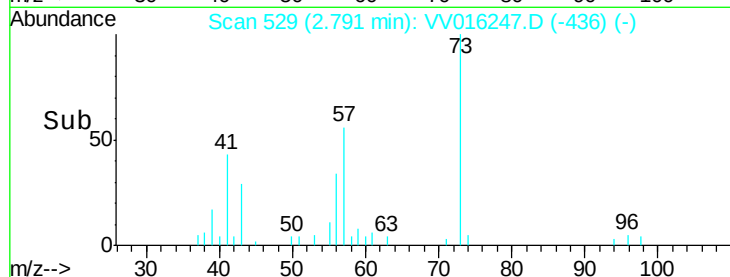
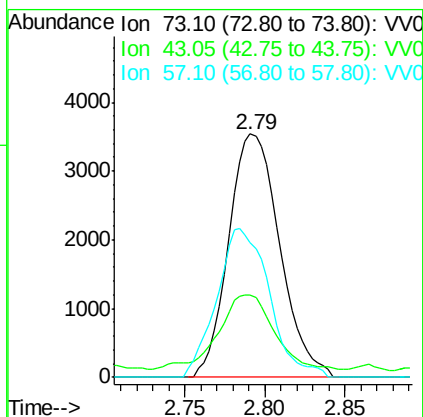
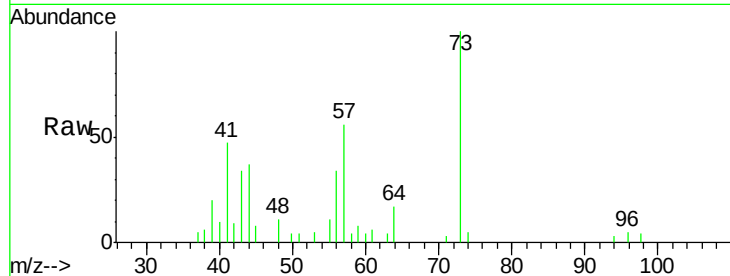




#17
Methyl tert-butyl Ether
Concen: 0.658 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV016247.D
Acq: 27 May 2020 23:22

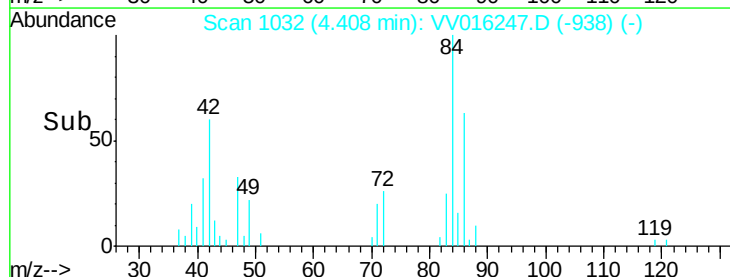
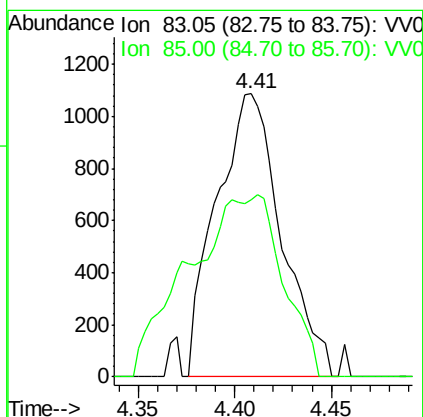
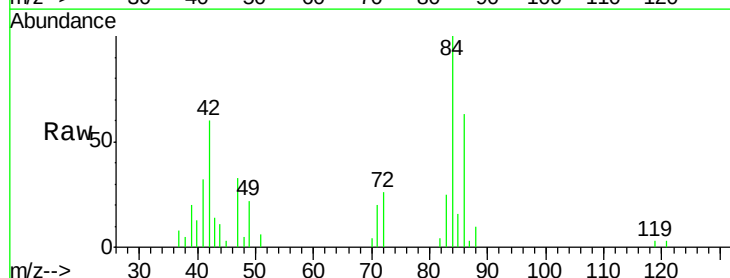
Instrument :
MSVOA_V
ClientSampled :
BE4Y7

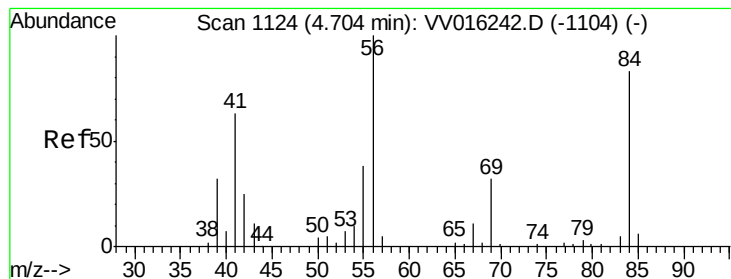
Tot Ion: 73 Resp: 7728
Ion Ratio Lower Upper
73 100
43 33.5 17.8 26.8#
57 63.2 18.9 28.3#



#25
Chloroform
Concen: 0.243 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VV016247.D
Acq: 27 May 2020 23:22

Tgt Ion: 83 Resp: 2546
Ion Ratio Lower Upper
83 100
85 62.6 45.1 83.7





#30

Cyclohexane

Concen: 0.479 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV016247.D

Acq: 27 May 2020 23:22

Instrument :
MSVOA_V
ClientSampled :
BE4Y7

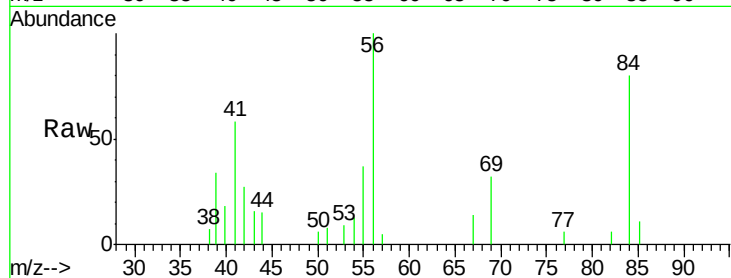
Tot Ion: 56 Resp: 4860

Ion Ratio Lower Upper

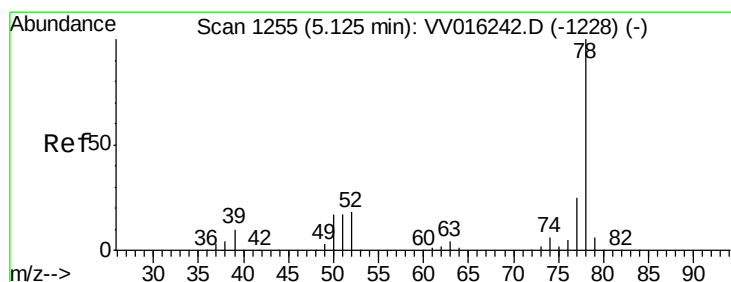
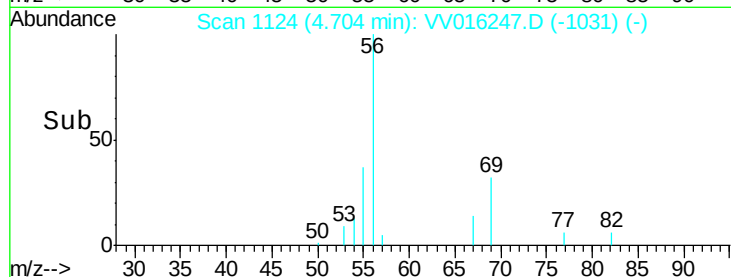
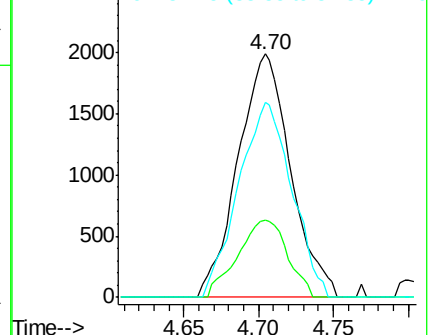
56 100

69 30.0 24.6 36.8

84 80.9 67.1 100.7



Abundance Ion 56.10 (55.80 to 56.80): VV0
Ion 69.15 (68.85 to 69.85): VV0
Ion 84.15 (83.85 to 84.85): VV0



#33

Benzene

Concen: 144.388 ug/L

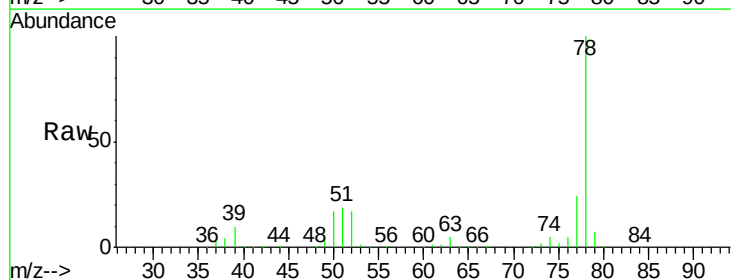
RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

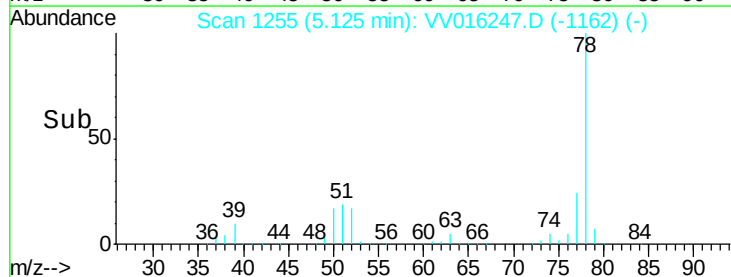
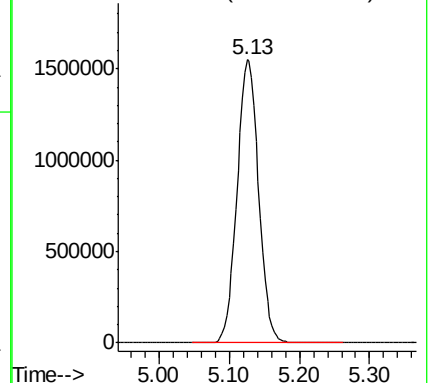
Lab File: VV016247.D

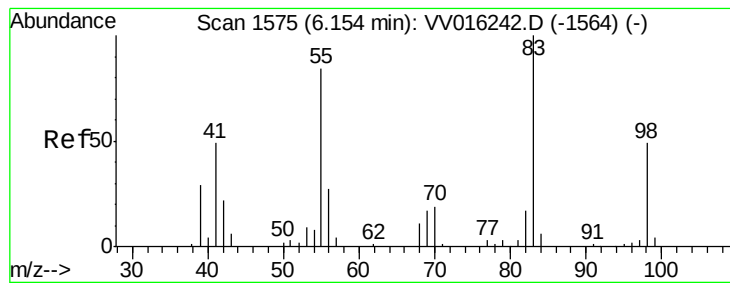
Acq: 27 May 2020 23:22

Tgt Ion: 78 Resp: 3312787



Abundance Ion 78.10 (77.80 to 78.80): VV0





#35

Methylvlcyclohexane

Concen: 0.283 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV016247.D

Acq: 27 May 2020 23:22

Instrument :

MSVOA_V

ClientSampleId :

BE4Y7

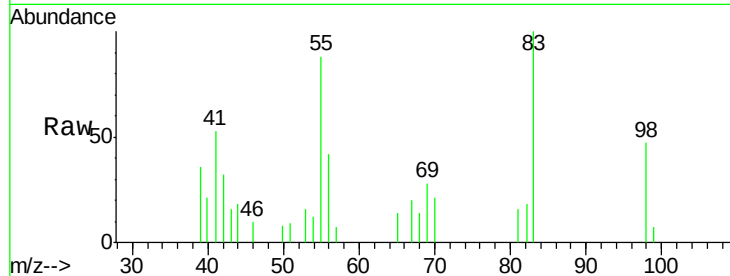
Tot Ion: 83 Resp: 2849

Ion Ratio Lower Upper

83 100

55 105.4 65.4 98.0#

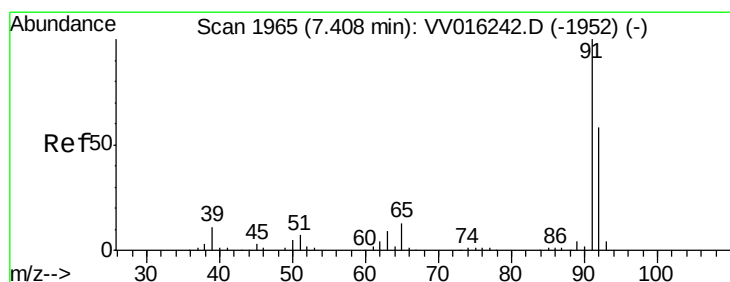
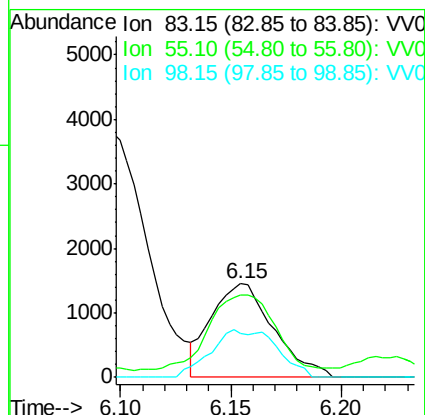
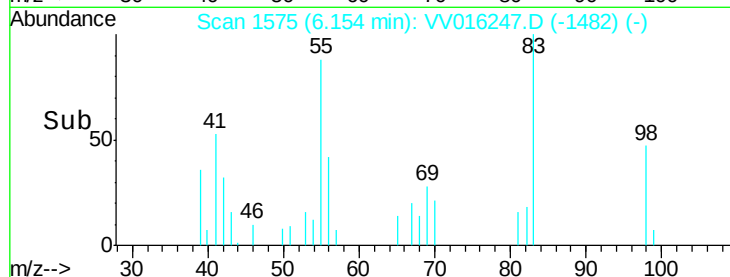
98 30.6 39.3 58.9#



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: 1.305 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV016247.D

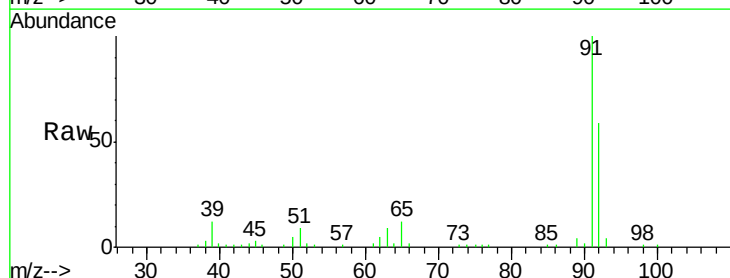
Acq: 27 May 2020 23:22

Tgt Ion: 91 Resp: 32662

Ion Ratio Lower Upper

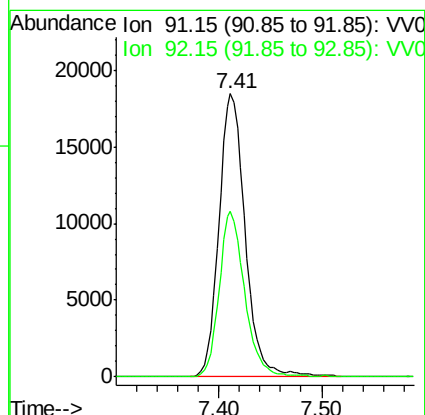
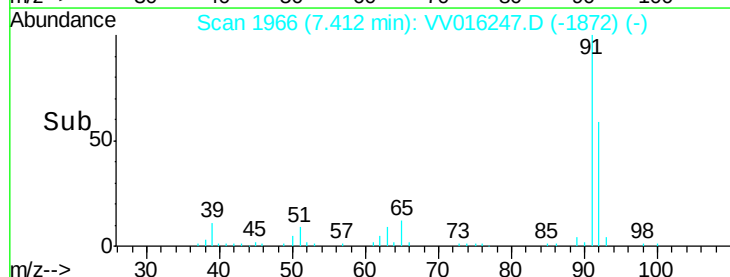
91 100

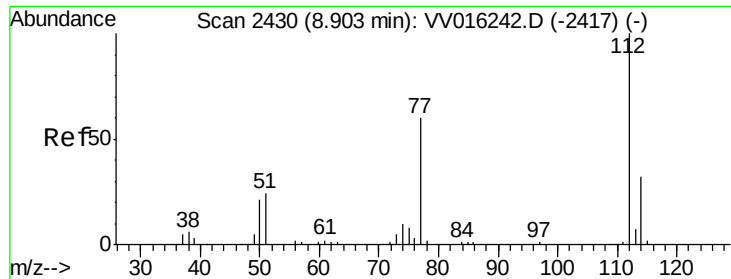
92 58.6 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

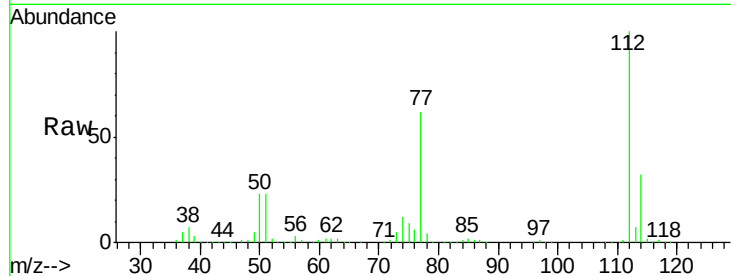




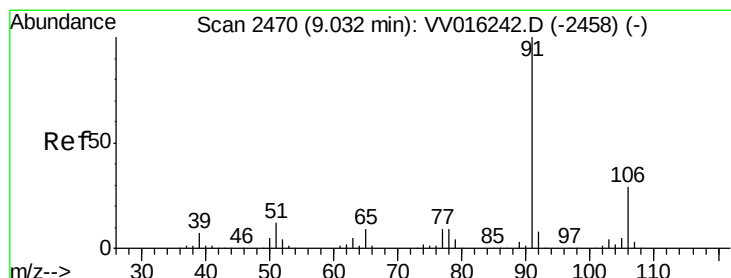
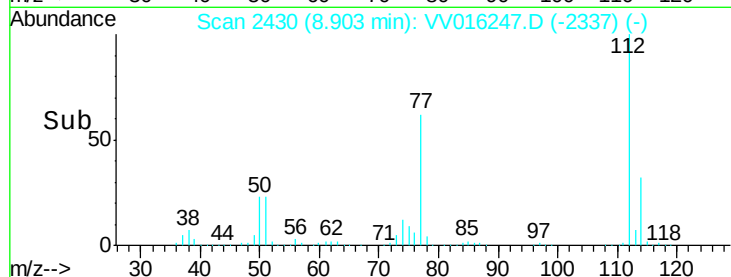
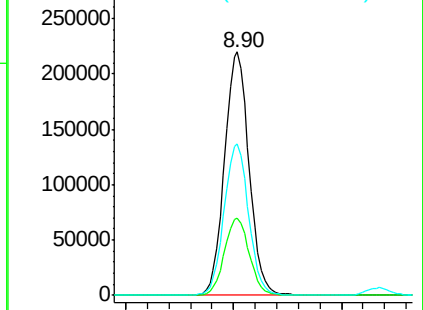
#53
Chlorobenzene
Concen: 22.548 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV016247.D
Acq: 27 May 2020 23:22

Instrument :
MSVOA_V
ClientSampleId :
BE4Y7

Tot Ion:112 Resp: 348612
Ion Ratio Lower Upper
112 100
114 31.8 22.3 41.3
77 62.1 50.7 76.1

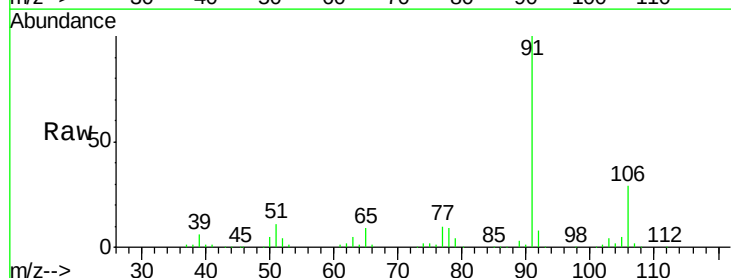


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

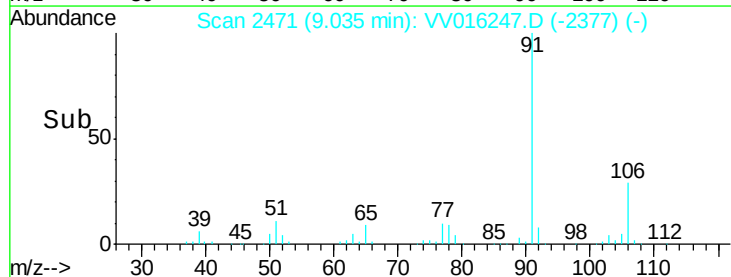
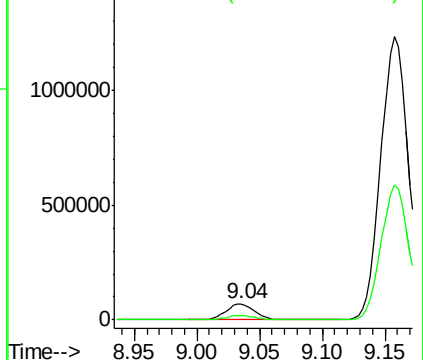


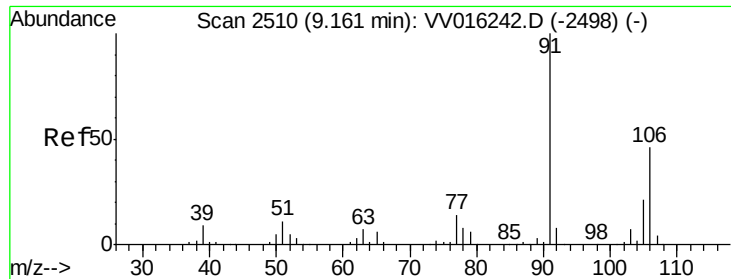
#54
Ethylbenzene
Concen: 3.978 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV016247.D
Acq: 27 May 2020 23:22

Tgt Ion: 91 Resp: 110952
Ion Ratio Lower Upper
91 100
106 28.9 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: 87.377 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV016247.D

Acq: 27 May 2020 23:22

Instrument :

MSVOA_V

ClientSampleId :

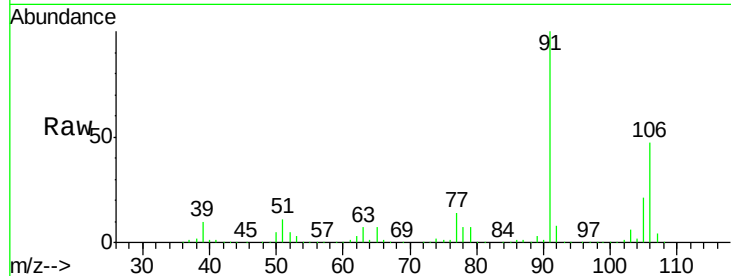
BE4Y7

Tot Ion:106 Resp: 913799

Ion Ratio Lower Upper

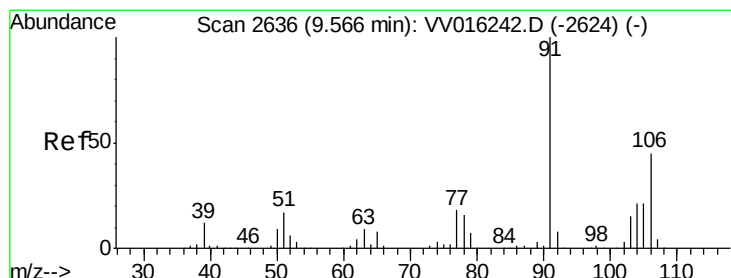
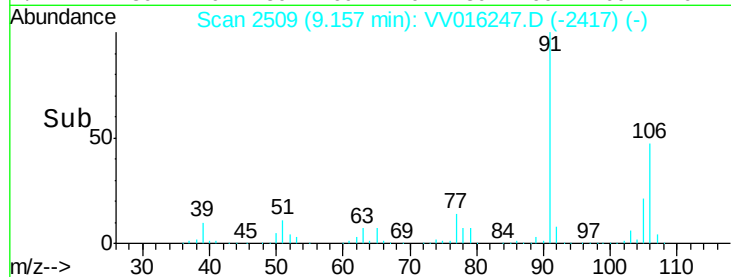
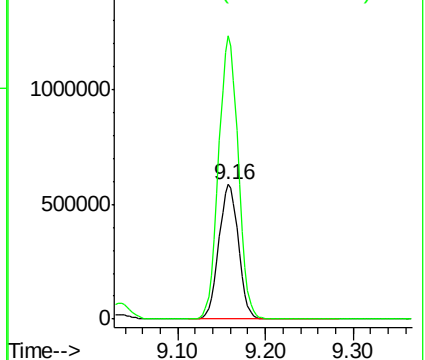
106 100

91 210.7 148.1 275.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#56

o-xylene

Concen: 37.942 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. -0.00 min

Lab File: VV016247.D

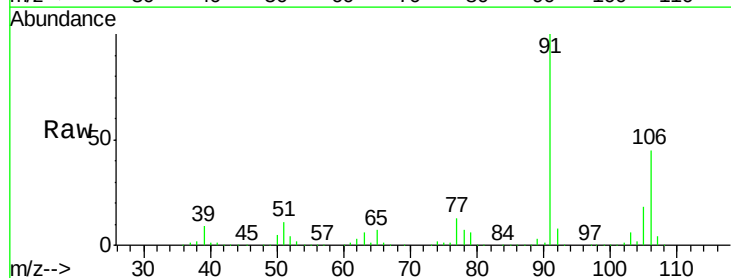
Acq: 27 May 2020 23:22

Tgt Ion:106 Resp: 378137

Ion Ratio Lower Upper

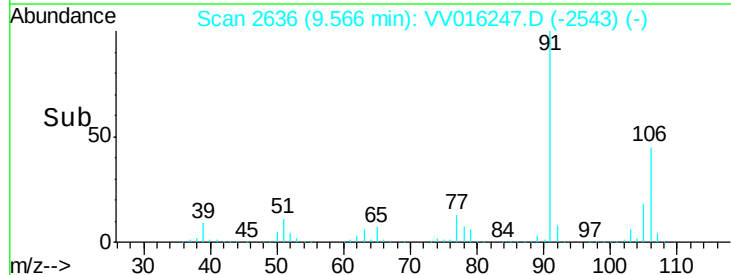
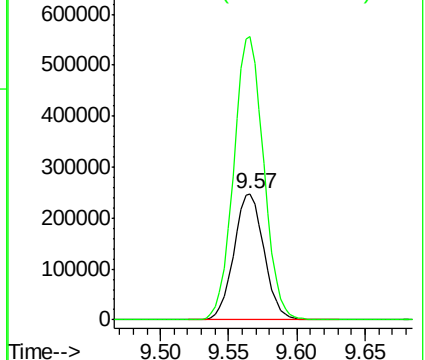
106 100

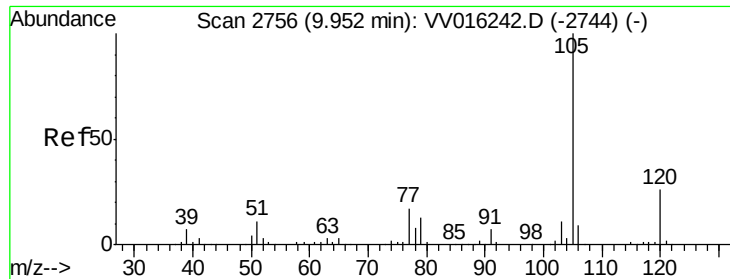
91 224.7 158.8 294.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#58

Isopropylbenzene

Concen: 2.382 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV016247.D

Acq: 27 May 2020 23:22

Instrument :

MSVOA_V

ClientSampled :

BE4Y7

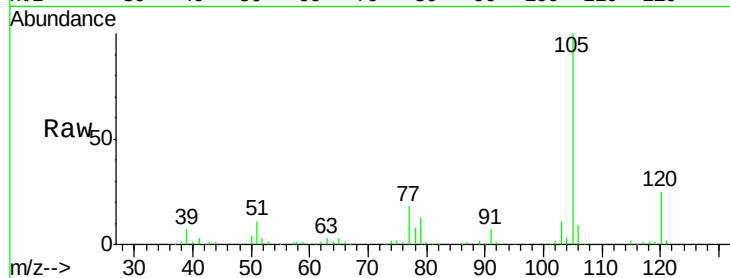
Tot Ion:105 Resp: 65031

Ion Ratio Lower Upper

105 100

120 24.6 20.9 31.3

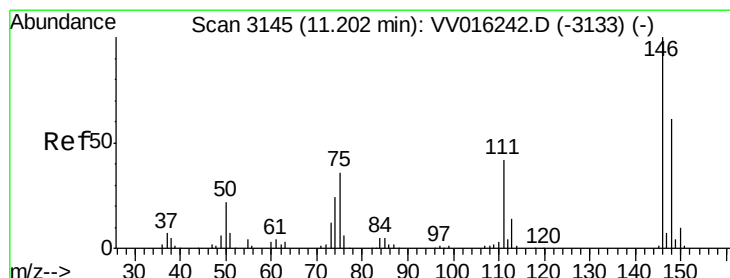
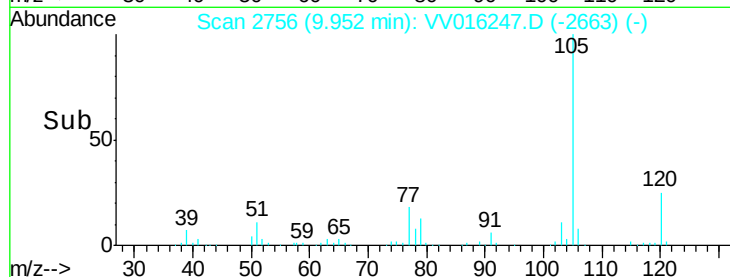
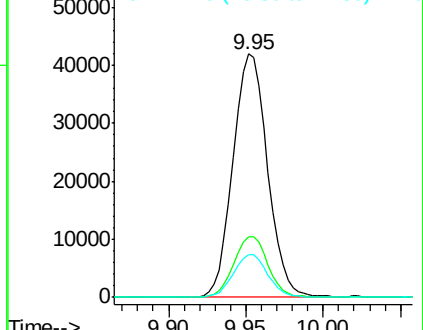
77 17.5 13.9 20.9



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: 0.118 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV016247.D

Acq: 27 May 2020 23:22

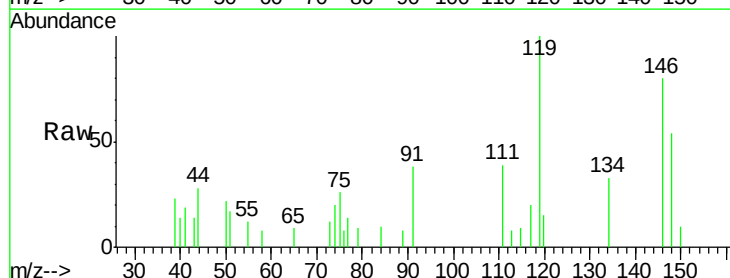
Tgt Ion:146 Resp: 1419

Ion Ratio Lower Upper

146 100

111 48.4 29.7 55.1

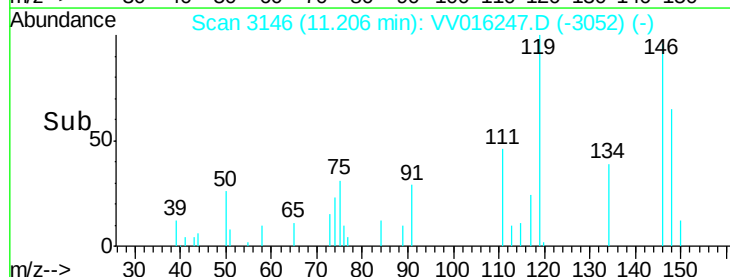
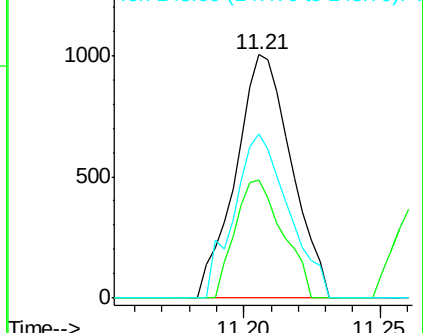
148 67.5 45.9 85.3

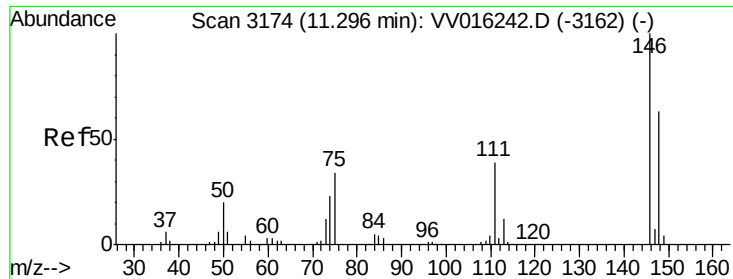


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

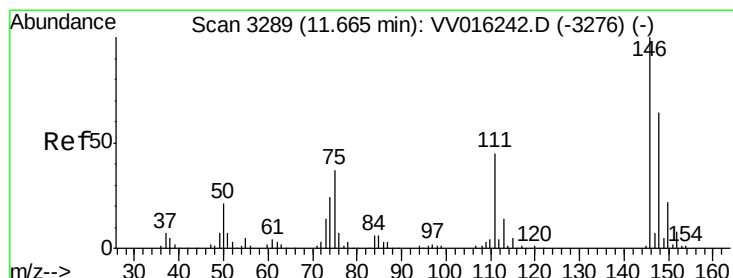
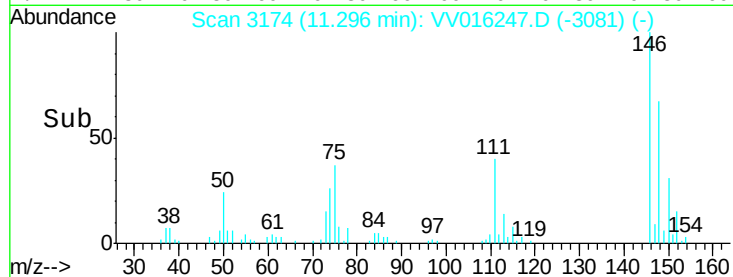
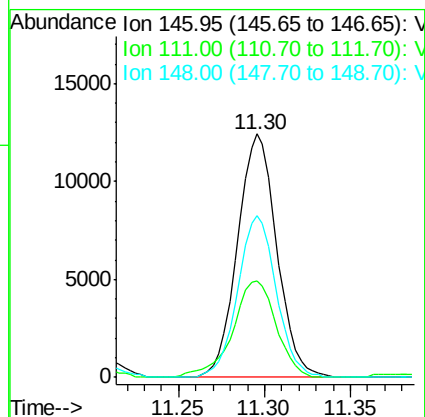
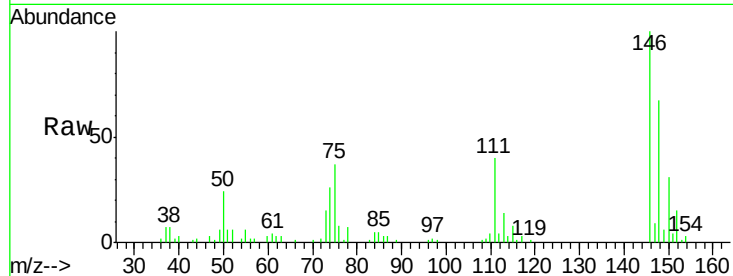




#64
 1,4-Dichlorobenzene
 Concen: 1.613 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. -0.00 min
 Lab File: VV016247.D
 Acq: 27 May 2020 23:22

Instrument :
 MSVOA_V
 ClientSampleId :
 BE4Y7

Tot Ion:146 Resp: 19757
 Ion Ratio Lower Upper
 146 100
 111 39.7 28.3 52.7
 148 66.6 43.3 80.3



#66
 1,2-Dichlorobenzene
 Concen: 0.469 ug/L
 RT: 11.67 min Scan# 3290
 Delta R.T. 0.00 min
 Lab File: VV016247.D
 Acq: 27 May 2020 23:22

Tgt Ion:146 Resp: 5109
 Ion Ratio Lower Upper
 146 100
 111 44.2 35.7 53.5
 148 67.0 51.3 76.9

