

Data File : VV016254.D
Acq On : 28 May 2020 02:11
Operator : SY/MD
Sample : L2766-13
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BE4Z6

Quant Time: May 29 11:57:43 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	96748	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	91378	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	48093	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	24162	3.89	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.80%
7) Chloroethane-d5	1.58	69	22815	4.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.60%
11) 1,1-Dichloroethene-d2	2.12	63	36718	3.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.00%
20) 2-Butanone-d5	3.98	46	66556	43.18	ug/L	0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.36%
24) Chloroform-d	4.38	84	55776	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
26) 1,2-Dichloroethane-d4	5.07	65	31295	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
32) Benzene-d6	5.08	84	112168	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
36) 1,2-Dichloropropane-d6	6.10	67	36976	5.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.60%
41) Toluene-d8	7.34	98	103512	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
45) trans-1,3-Dichloropropene-	7.64	79	11599	4.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.80%
48) 2-Hexanone-d5	8.12	63	57982	48.43	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.86%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	25343	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	39524	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

					Qvalue
5) Vinyl chloride	1.32	62	11089	1.309 ug/L	90
8) Chloroethane	1.59	64	16982	3.587 ug/L #	80
19) 1,1-Dichloroethane	3.21	63	2923	0.246 ug/L	94
22) cis-1,2-Dichloroethene	3.94	96	47801	6.472 ug/L	98
30) Cyclohexane	4.69	56	23876	2.054 ug/L	99
33) Benzene	5.13	78	10226694	388.914 ug/L	100
35) Methylcyclohexane	6.15	83	15821	1.369 ug/L	91
42) Toluene	7.41	91	1221370	42.591 ug/L	100
53) Chlorobenzene	8.90	112	2119939	119.637 ug/L	99
54) Ethylbenzene	9.04	91	5427393	169.793 ug/L	98
55) m,p-xylene	9.17	106	6010864	501.491 ug/L	88
56) o-xylene	9.57	106	1137850	99.617 ug/L	96
58) Isopropylbenzene	9.95	105	805459	25.743 ug/L	99
63) 1,3-Dichlorobenzene	11.20	146	47425	3.231 ug/L	99
64) 1,4-Dichlorobenzene	11.30	146	178175	11.947 ug/L	98
66) 1,2-Dichlorobenzene	11.67	146	384293	28.968 ug/L	99
69) 1,2,4-trichlorobenzene	13.29	180	6656	0.730 ug/L #	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052720\
Quantitation Report (QT/LSC Reviewed)

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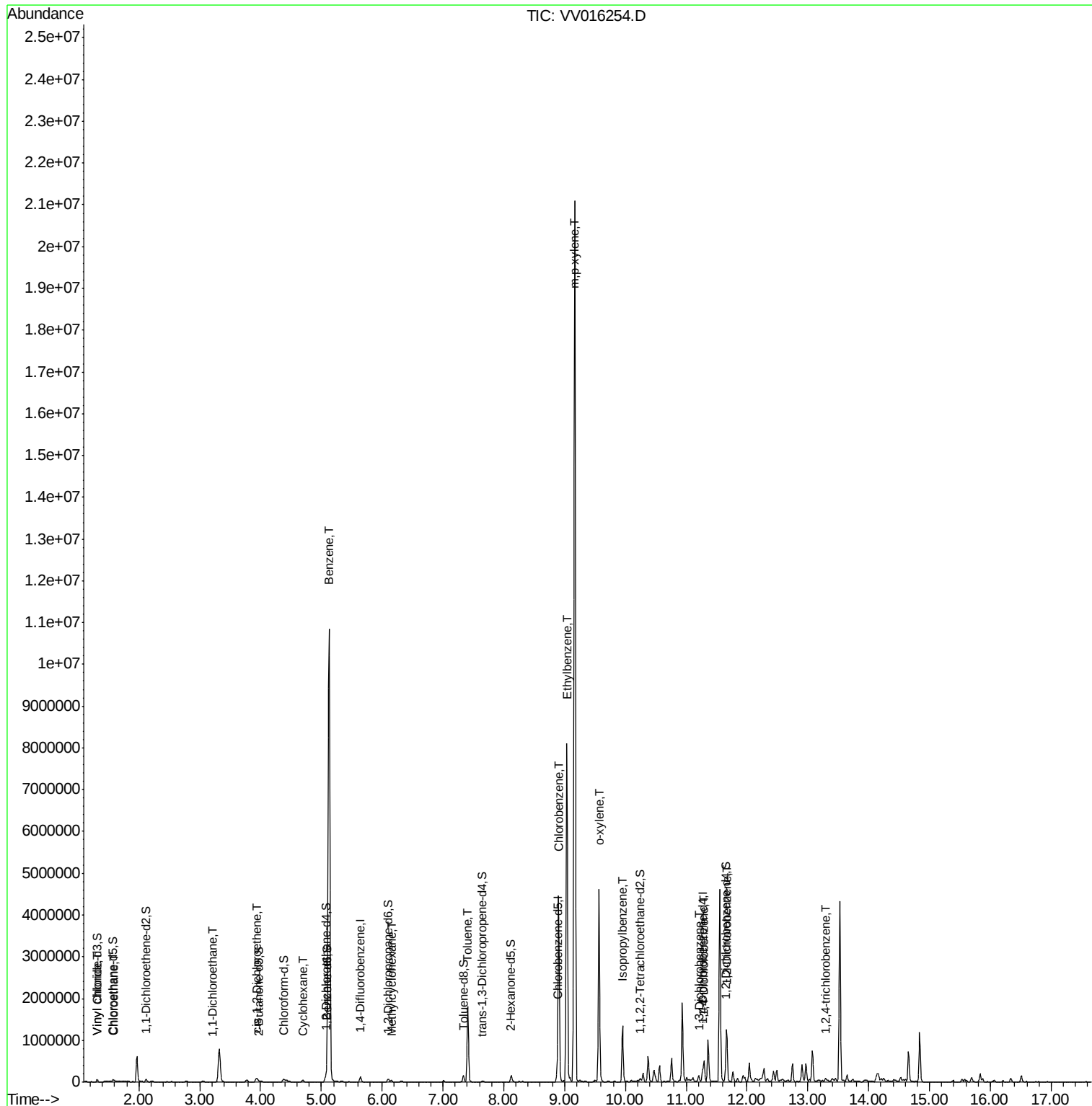
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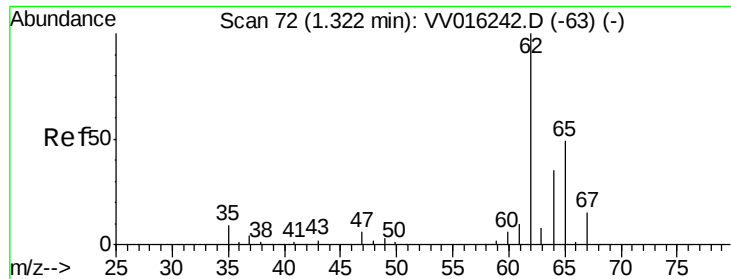
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.309 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VV016254.D

Acq: 28 May 2020 02:11

Instrument :

MSVOA_V

ClientSampled :

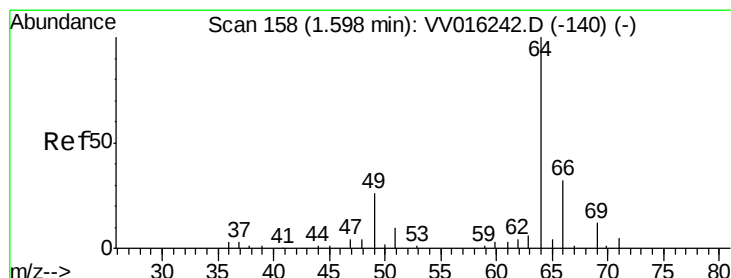
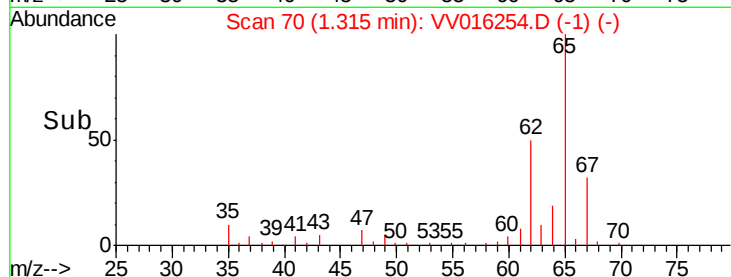
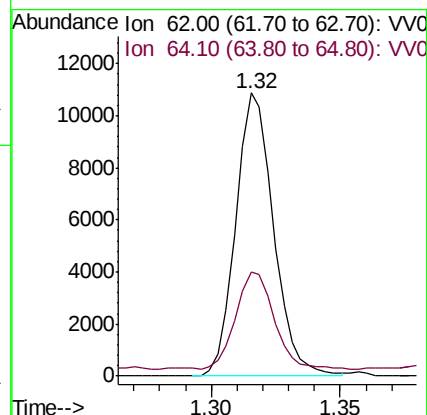
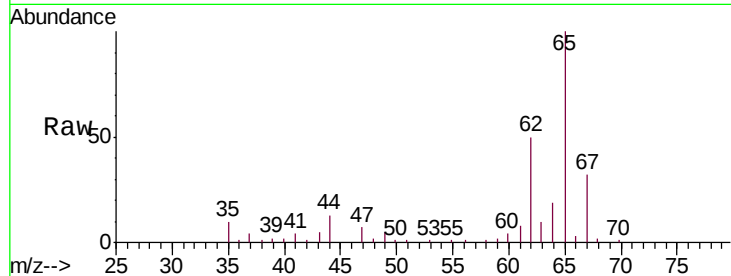
BE4Z6

Tgt Ion: 62 Resp: 11089

Ion Ratio Lower Upper

62 100

64 36.9 22.1 41.1



#8

Chloroethane

Concen: 3.587 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.01 min

Lab File: VV016254.D

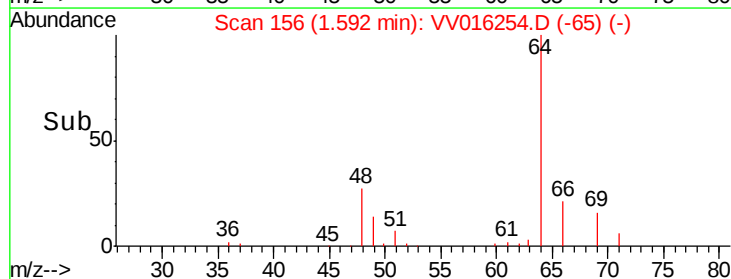
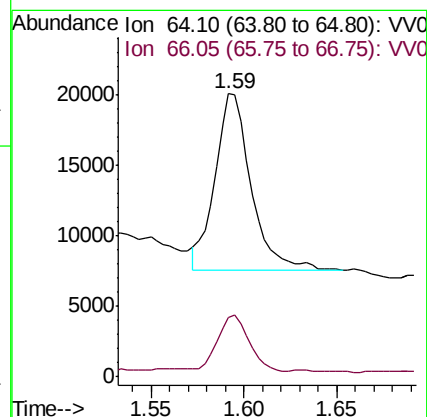
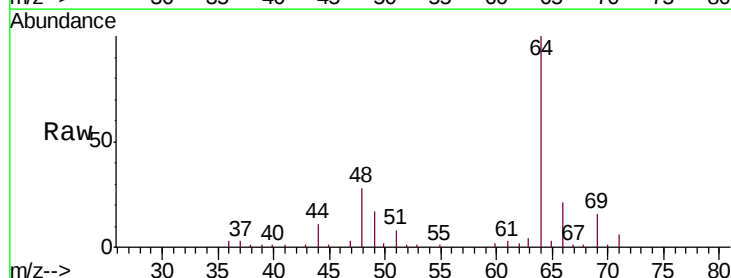
Acq: 28 May 2020 02:11

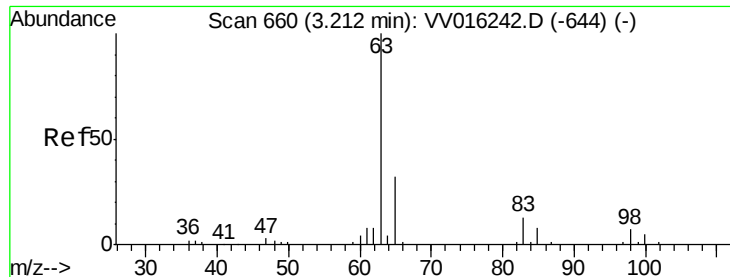
Tgt Ion: 64 Resp: 16982

Ion Ratio Lower Upper

64 100

66 21.2 22.9 42.5#

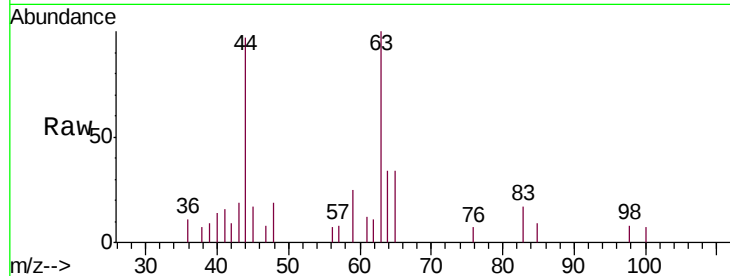




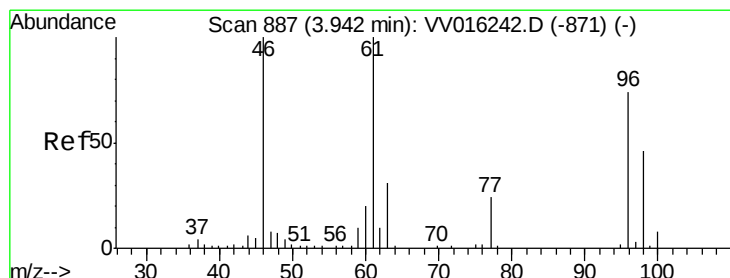
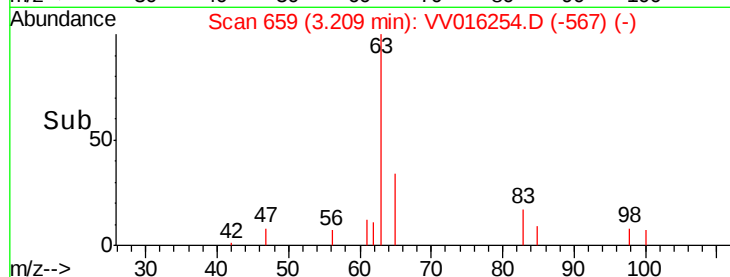
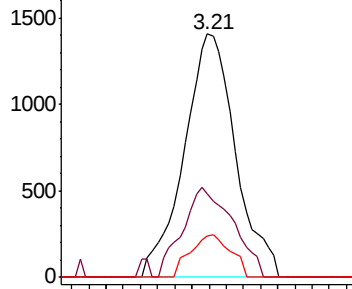
#19
 1,1-Dichloroethane
 Concen: 0.246 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV016254.D
 Acq: 28 May 2020 02:11

Instrument :
 MSVOA_V
 ClientSampleId :
 BE4Z6

Tgt Ion: 63 Resp: 2923
 Ion Ratio Lower Upper
 63 100
 65 34.3 22.3 41.5
 83 17.2 9.4 17.4

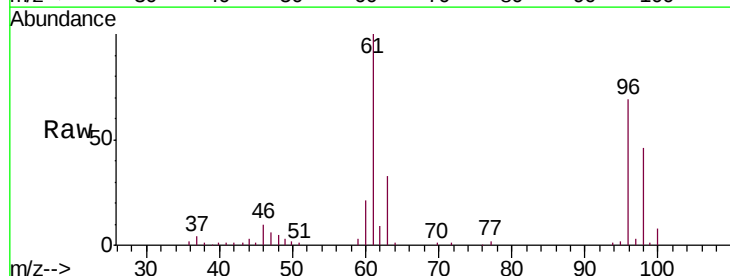


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

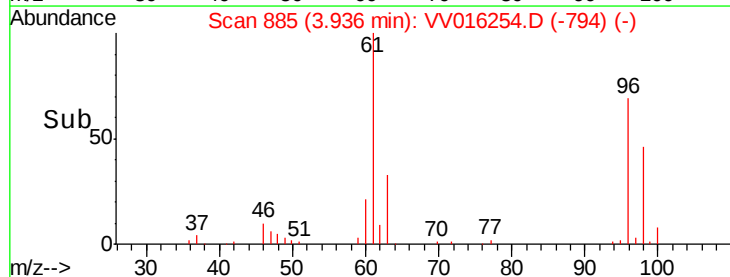
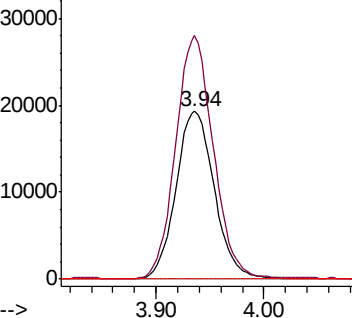


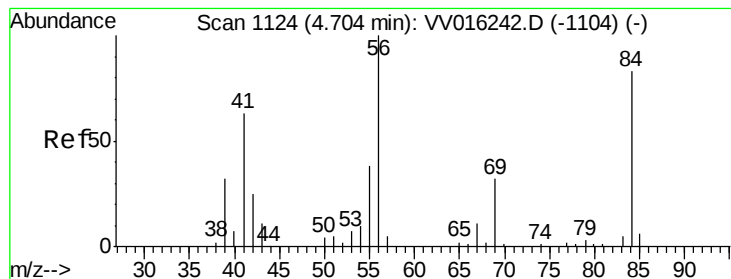
#22
 cis-1,2-Dichloroethene
 Concen: 6.472 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.01 min
 Lab File: VV016254.D
 Acq: 28 May 2020 02:11

Tgt Ion: 96 Resp: 47801
 Ion Ratio Lower Upper
 96 100
 61 145.4 99.7 185.1
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0





#30

Cyclohexane

Concen: 2.054 ug/L

RT: 4.69 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VV016254.D

Acq: 28 May 2020 02:11

Instrument :

MSVOA_V

ClientSampleId :

BE4Z6

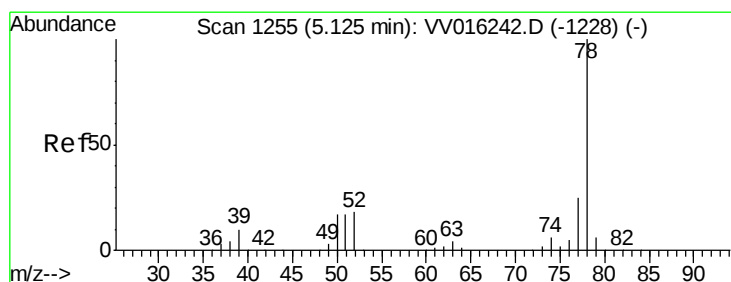
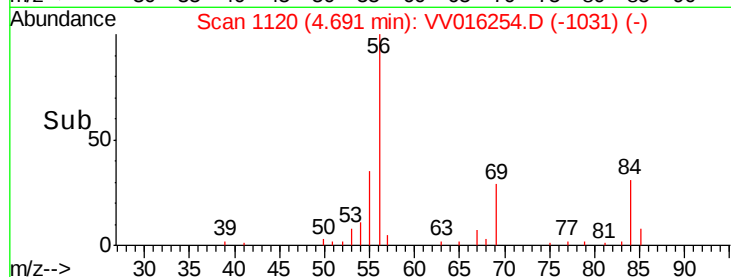
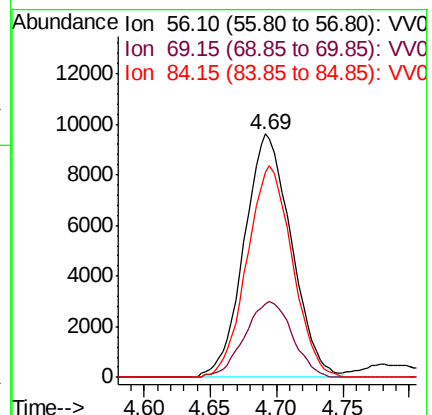
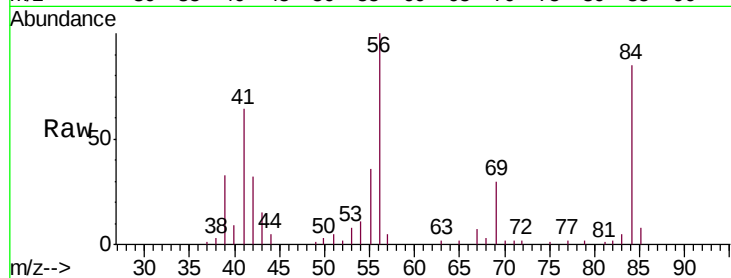
Tgt Ion: 56 Resp: 23876

Ion Ratio Lower Upper

56 100

69 31.3 24.6 36.8

84 83.4 67.1 100.7



#33

Benzene

Concen: 388.914 ug/L

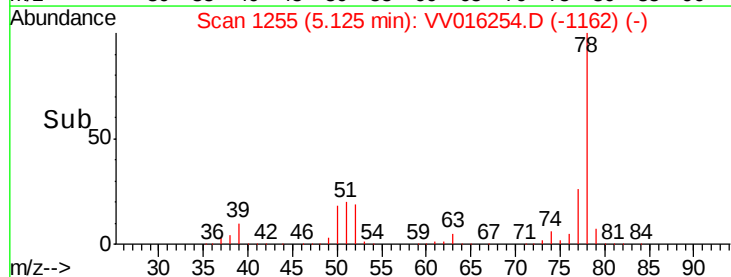
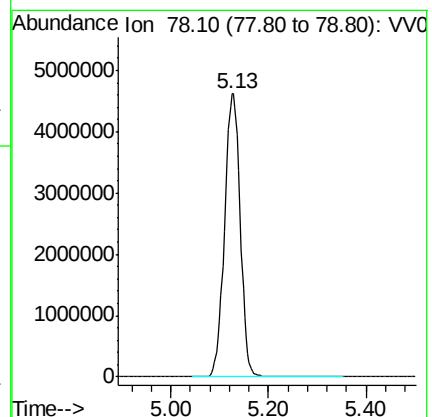
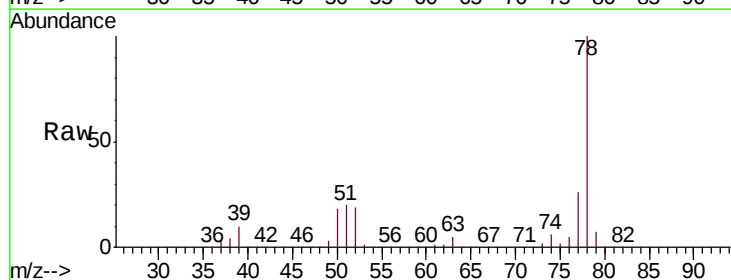
RT: 5.13 min Scan# 1255

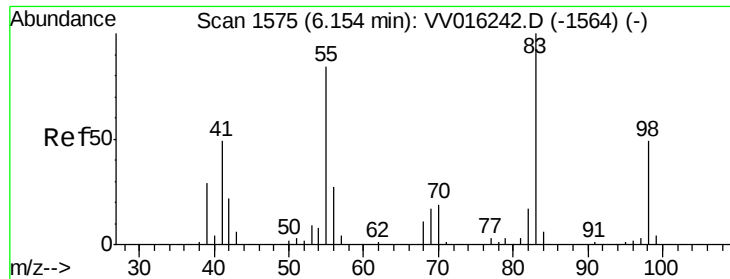
Delta R.T. 0.00 min

Lab File: VV016254.D

Acq: 28 May 2020 02:11

Tgt Ion: 78 Resp:10226694

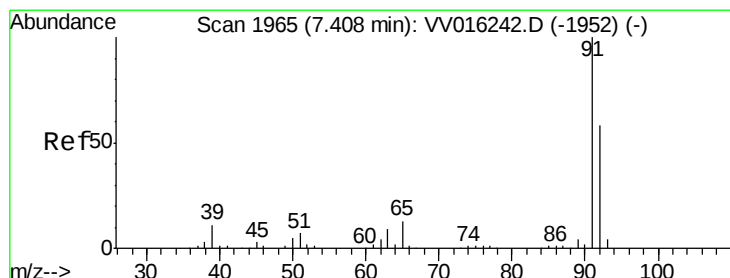
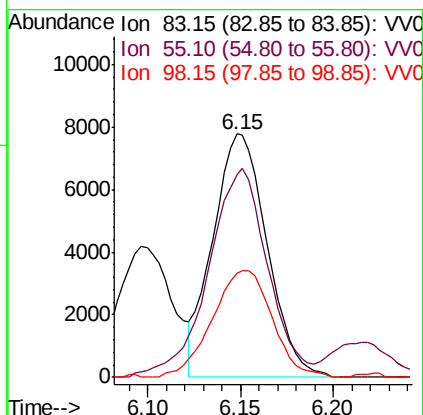
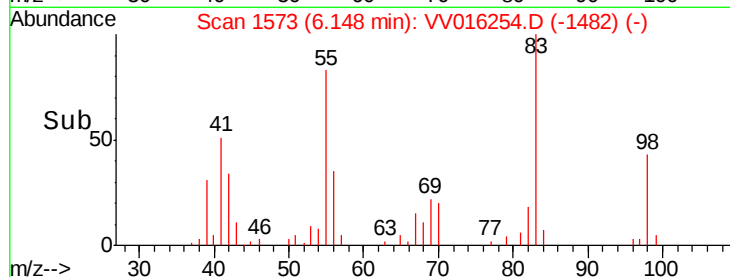
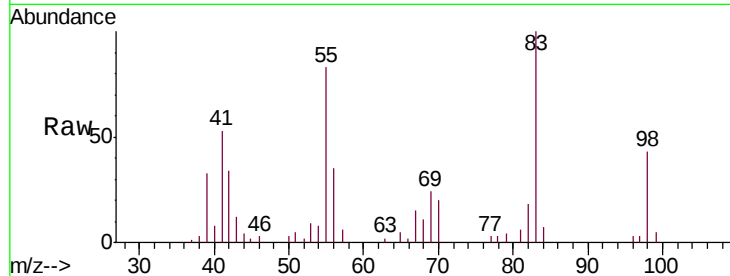




#35
Methylcyclohexane
Concen: 1.369 ug/L
RT: 6.15 min Scan# 1573
Delta R.T. -0.01 min
Lab File: VV016254.D
Acq: 28 May 2020 02:11

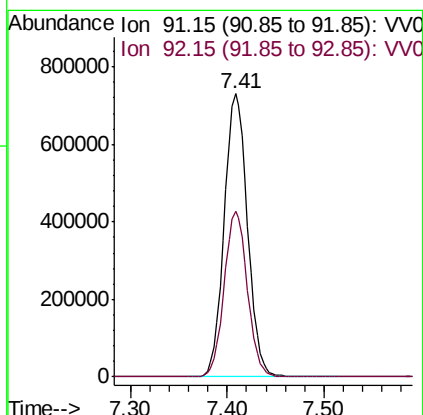
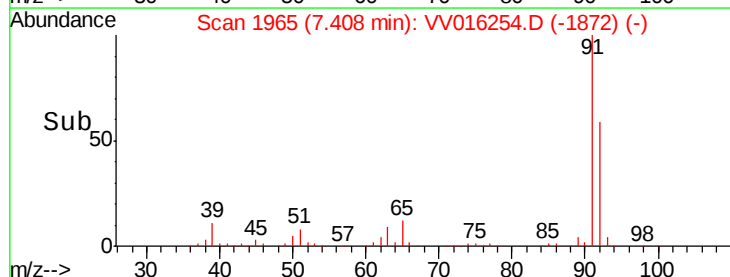
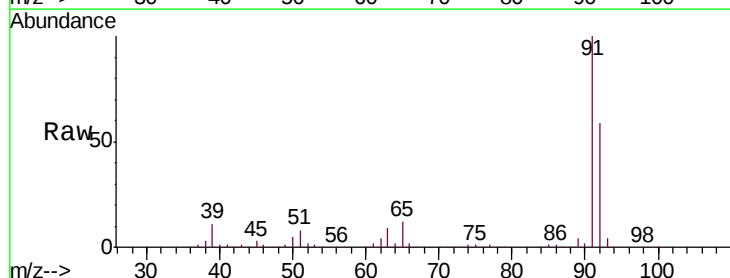
Instrument :
MSVOA_V
ClientSampleId :
BE4Z6

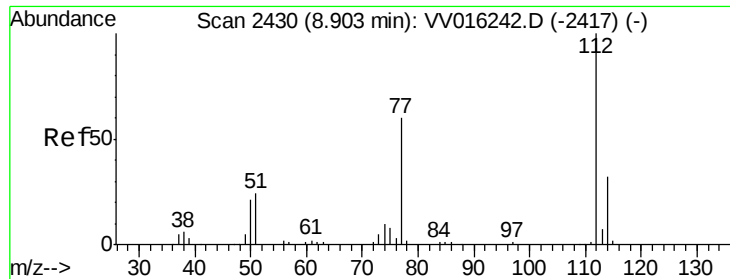
Tgt Ion: 83 Resp: 15821
Ion Ratio Lower Upper
83 100
55 93.5 65.4 98.0
98 48.5 39.3 58.9



#42
Toluene
Concen: 42.591 ug/L
RT: 7.41 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VV016254.D
Acq: 28 May 2020 02:11

Tgt Ion: 91 Resp: 1221370
Ion Ratio Lower Upper
91 100
92 58.6 40.9 76.0





#53

Chlorobenzene

Concen: 119.637 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV016254.D

Acq: 28 May 2020 02:11

Instrument :

MSVOA_V

ClientSampleId :

BE4Z6

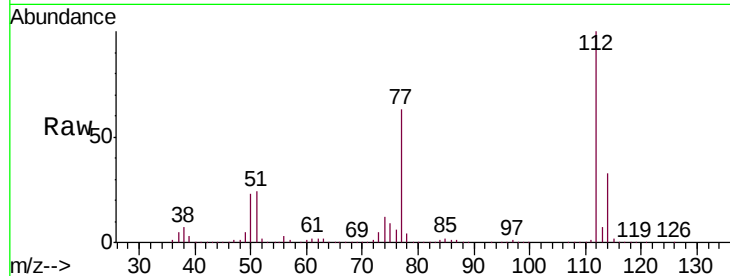
Tgt Ion: 112 Resp: 2119939

Ion Ratio Lower Upper

112 100

114 32.6 22.3 41.3

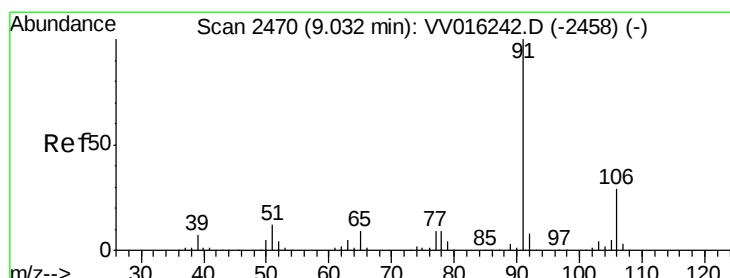
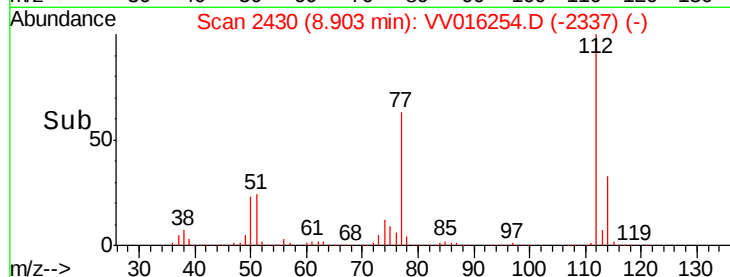
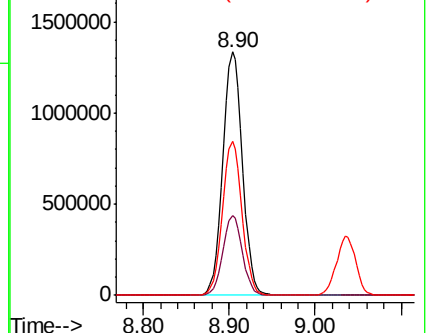
77 63.4 50.7 76.1



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: 169.793 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV016254.D

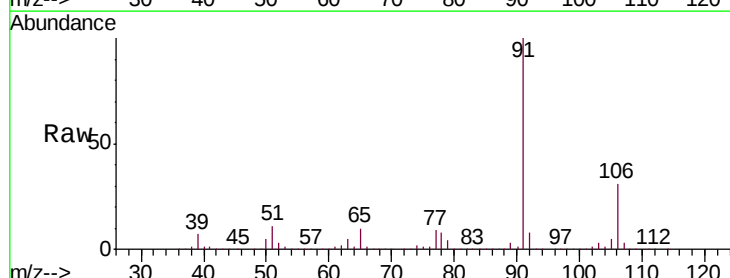
Acq: 28 May 2020 02:11

Tgt Ion: 91 Resp: 5427393

Ion Ratio Lower Upper

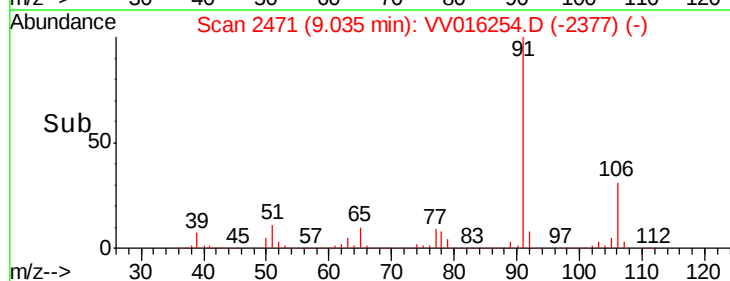
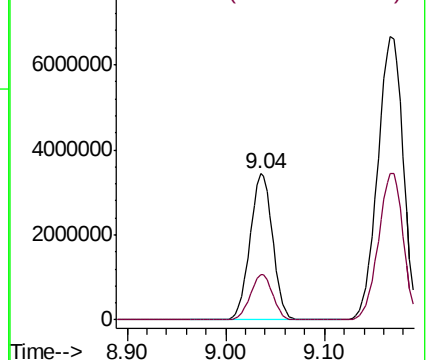
91 100

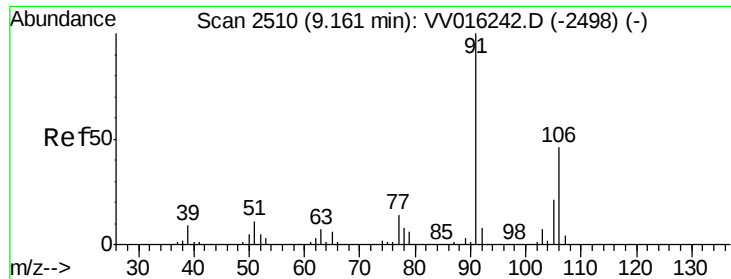
106 30.9 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): V

Ion 106.15 (105.85 to 106.85): V





#55

m,p-xylene

Concen: 501.491 ug/L

RT: 9.17 min Scan# 2512

Delta R.T. 0.01 min

Lab File: VV016254.D

Acq: 28 May 2020 02:11

Instrument :

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ClientSampleId :

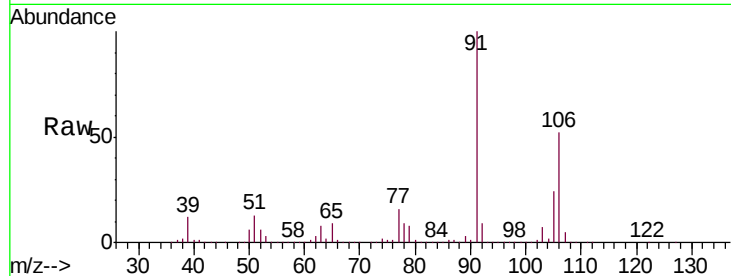
BE4Z6

Tgt Ion:106 Resp: 6010864

Ion Ratio Lower Upper

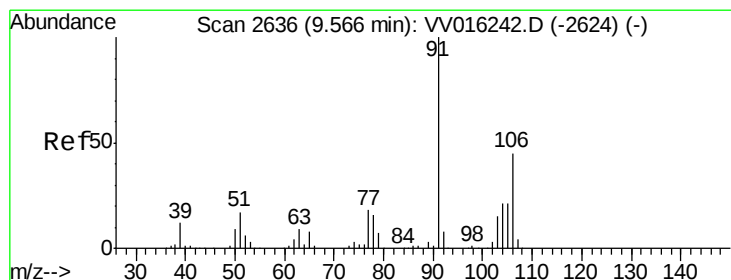
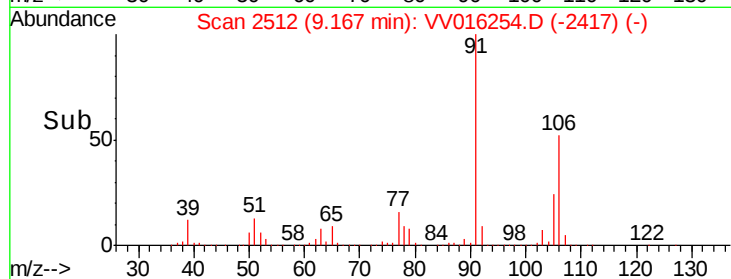
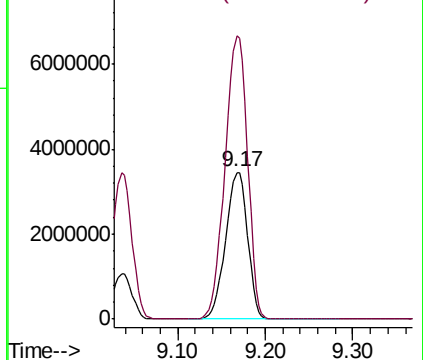
106 100

91 193.3 148.1 275.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#56

o-xylene

Concen: 99.617 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV016254.D

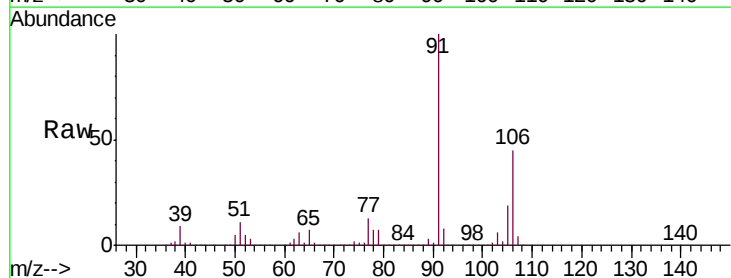
Acq: 28 May 2020 02:11

Tgt Ion:106 Resp: 1137850

Ion Ratio Lower Upper

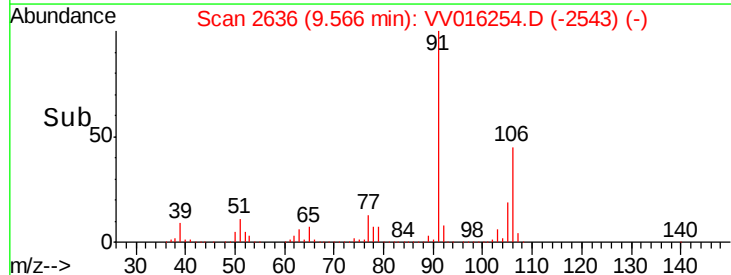
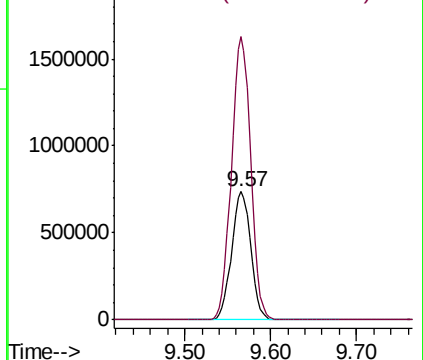
106 100

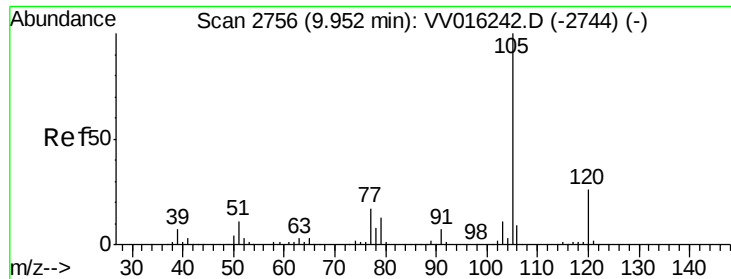
91 220.6 158.8 294.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#58

Isopropylbenzene

Concen: 25.743 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016254.D

Acq: 28 May 2020 02:11

Instrument :

MSVOA_V

ClientSampleId :

BE4Z6

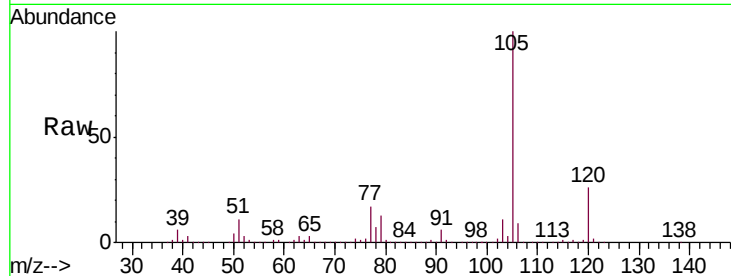
Tgt Ion:105 Resp: 805459

Ion Ratio Lower Upper

105 100

120 25.8 20.9 31.3

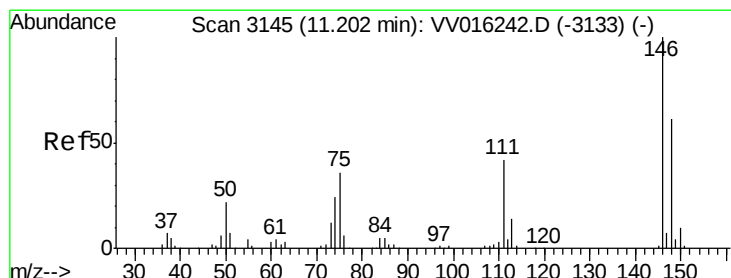
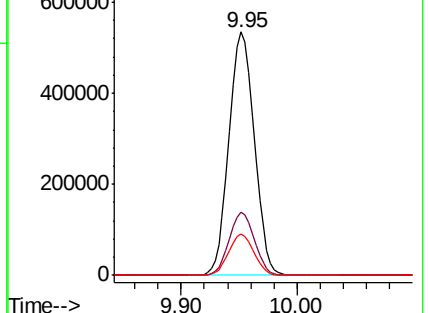
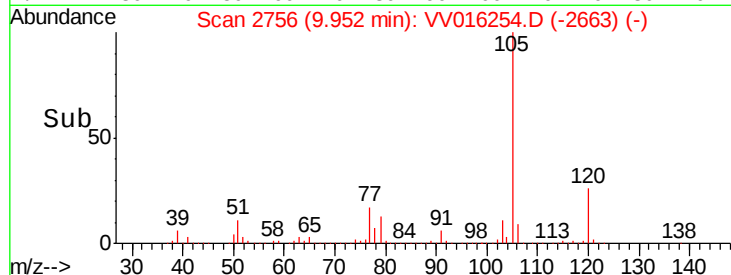
77 16.8 13.9 20.9



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: 3.231 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016254.D

Acq: 28 May 2020 02:11

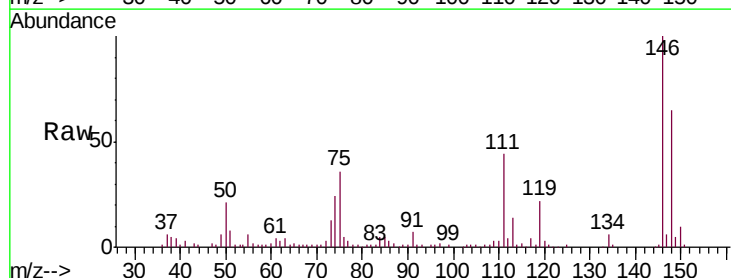
Tgt Ion:146 Resp: 47425

Ion Ratio Lower Upper

146 100

111 44.0 29.7 55.1

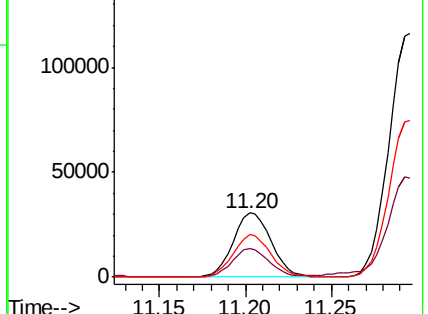
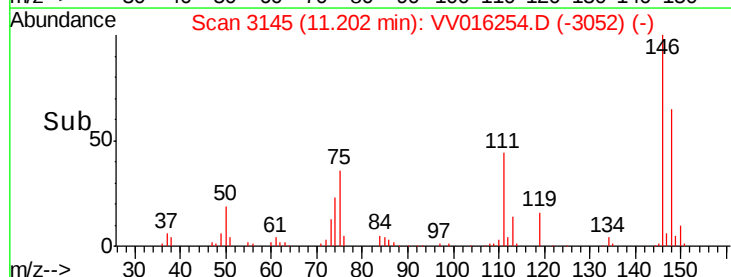
148 65.4 45.9 85.3

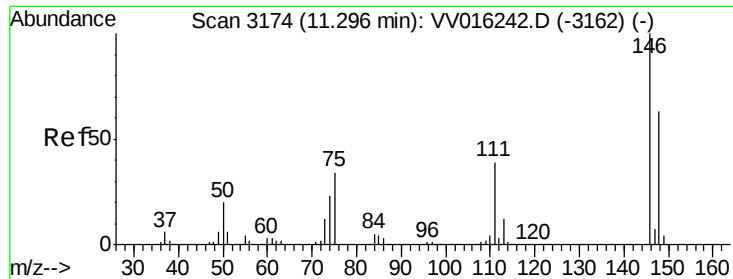


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 11.947 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV016254.D

Acq: 28 May 2020 02:11

Instrument :

MSVOA_V

ClientSampled :

BE4Z6

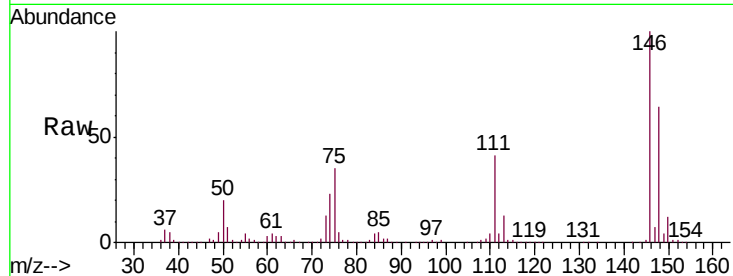
Tgt Ion:146 Resp: 178175

Ion Ratio Lower Upper

146 100

111 40.7 28.3 52.7

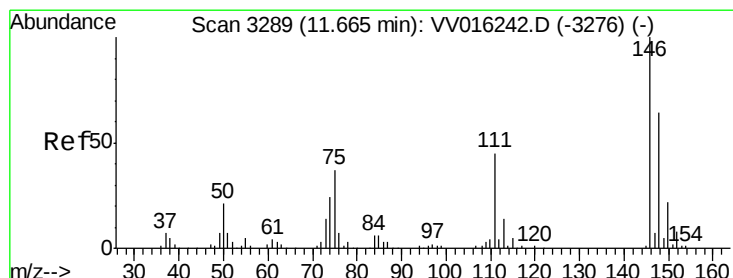
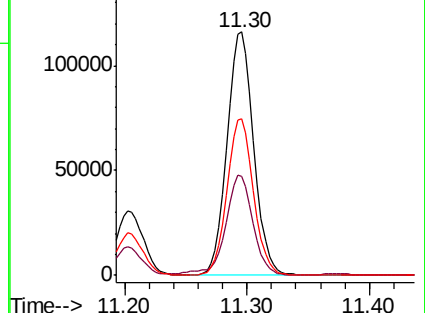
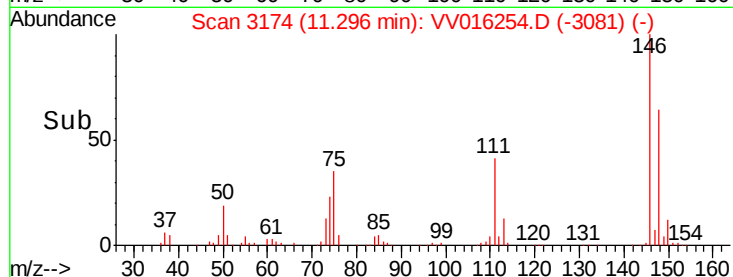
148 64.2 43.3 80.3



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: 28.968 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV016254.D

Acq: 28 May 2020 02:11

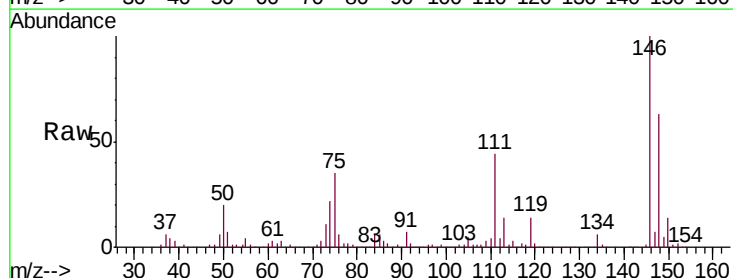
Tgt Ion:146 Resp: 384293

Ion Ratio Lower Upper

146 100

111 43.7 35.7 53.5

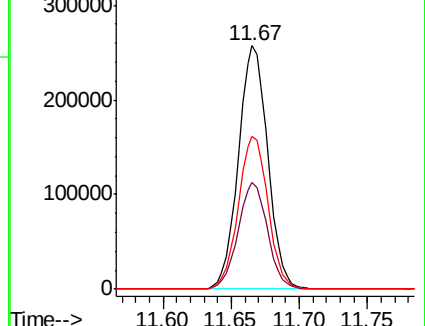
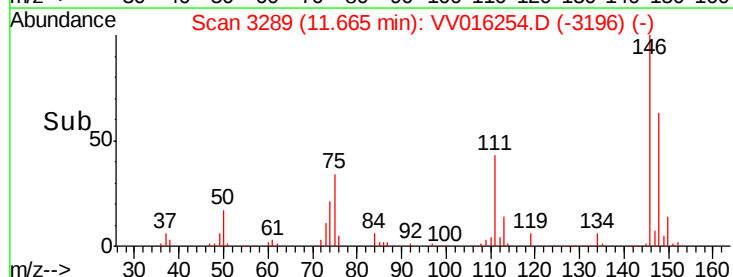
148 62.9 51.3 76.9

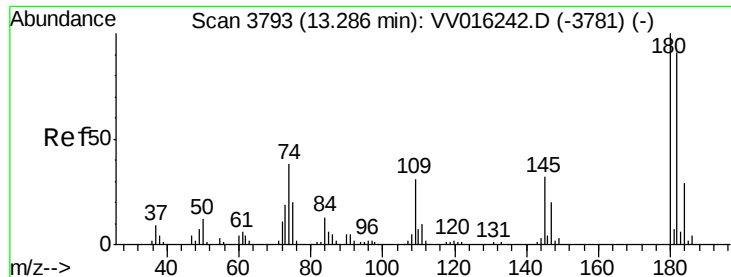


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#69

1,2,4-trichlorobenzene

Concen: 0.730 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.00 min

Lab File: VV016254.D

Acq: 28 May 2020 02:11

Instrument :

MSVOA_V

ClientSampleId :

BE4Z6

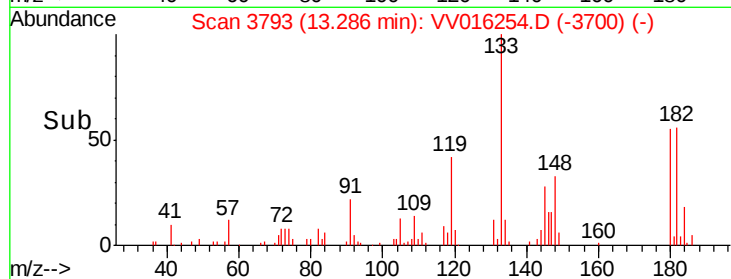
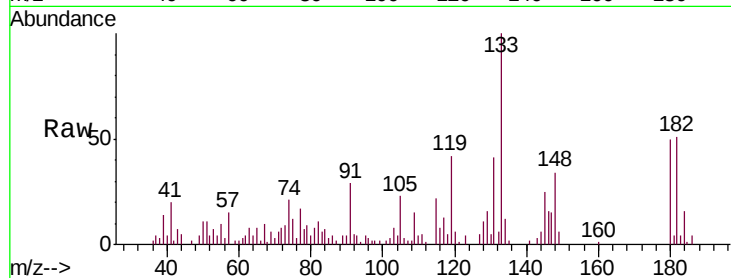
Tgt Ion:180 Resp: 6656

Ion Ratio Lower Upper

180 100

182 96.1 75.0 112.4

145 50.2 27.1 40.7#



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V

