

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052720\
 Data File : VV016259.D
 Acq On : 28 May 2020 04:12
 Operator : SY/MD
 Sample : L2756-07 1000X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ETKW9

Quant Time: May 28 08:48:10 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	96819	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	91357	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	43458	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	25614	4.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.40%
7) Chloroethane-d5	1.58	69	24305	4.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.00%
11) 1,1-Dichloroethene-d2	2.13	63	40032	3.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.60%
20) 2-Butanone-d5	3.93	46	81865	53.08	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.16%
24) Chloroform-d	4.38	84	54930	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
26) 1,2-Dichloroethane-d4	5.06	65	31870	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
32) Benzene-d6	5.08	84	110091	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
36) 1,2-Dichloropropane-d6	6.10	67	35404	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.20%
41) Toluene-d8	7.34	98	104066	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
45) trans-1,3-Dichloropropene-	7.65	79	11367	4.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.20%
48) 2-Hexanone-d5	8.12	63	59948	50.09	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.18%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	24118	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	36311	5.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	3099	0.365	ug/L #	79
12) 1,1-Dichloroethene	2.14	96	2123	0.372	ug/L #	1
16) Methylene chloride	2.53	84	9096	1.389	ug/L	95
19) 1,1-Dichloroethane	3.22	63	10168	0.857	ug/L	98
22) cis-1,2-Dichloroethene	3.94	96	303829	41.107	ug/L	98
29) 1,1,1-Trichloroethane	4.64	97	43263	3.990	ug/L	100
33) Benzene	5.13	78	833904	31.720	ug/L	100
34) Trichloroethene	5.94	95	68110	9.945	ug/L	97
40) 4-Methyl-2-pentanone	7.26	43	33203	8.277	ug/L	98
42) Toluene	7.41	91	1612049	56.228	ug/L	100
49) Tetrachloroethene	8.00	164	830	0.169	ug/L	87
54) Ethylbenzene	9.04	91	39664	1.241	ug/L	98
55) m,p-xylene	9.16	106	32452	2.708	ug/L	95
56) o-xylene	9.57	106	14074	1.232	ug/L	94
57) Styrene	9.59	104	27636	1.454	ug/L	100

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

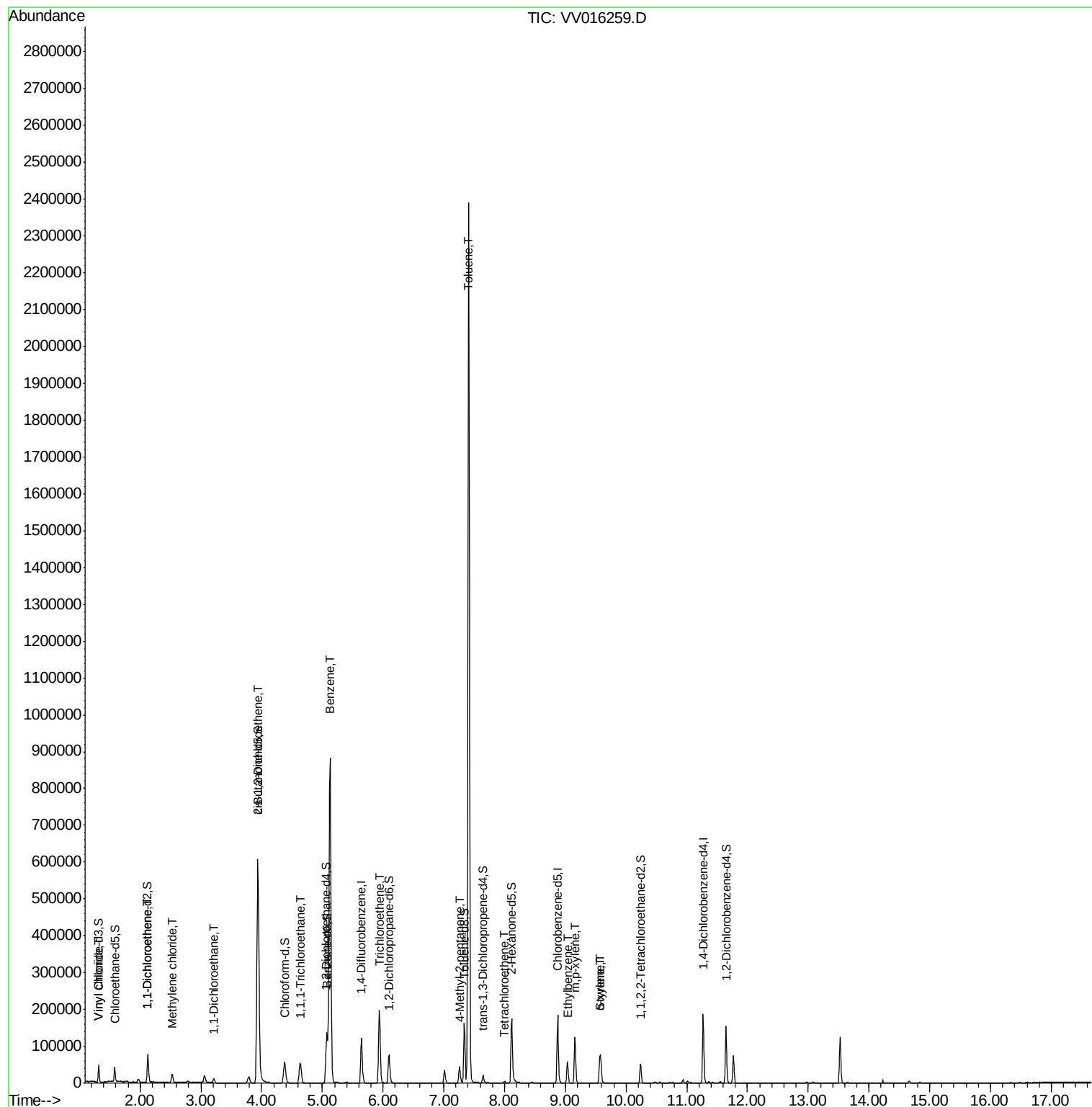
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

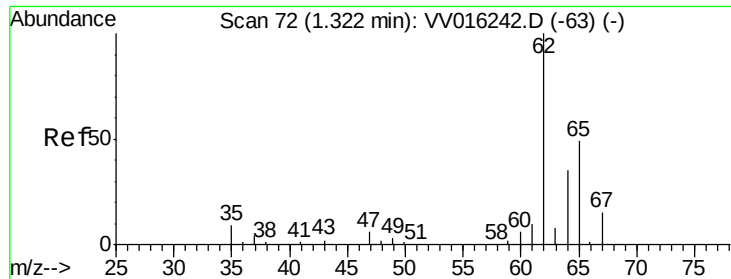
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.365 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV016259.D

Acq: 28 May 2020 04:12

Instrument :

MSVOA_V

ClientSampled :

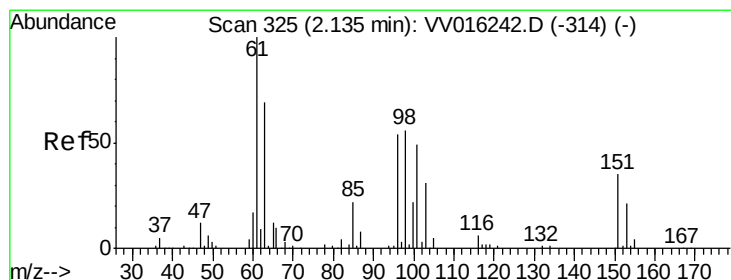
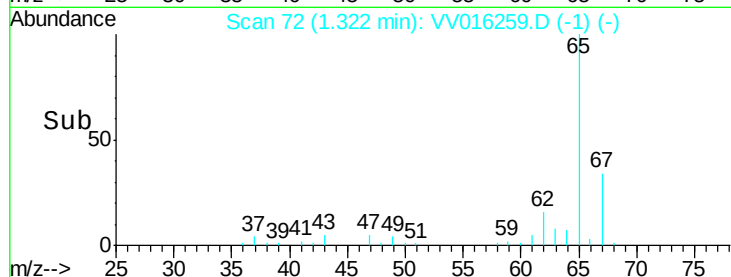
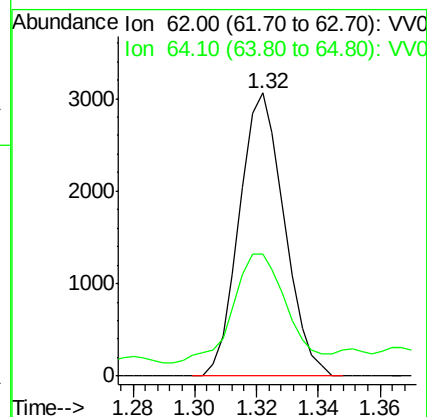
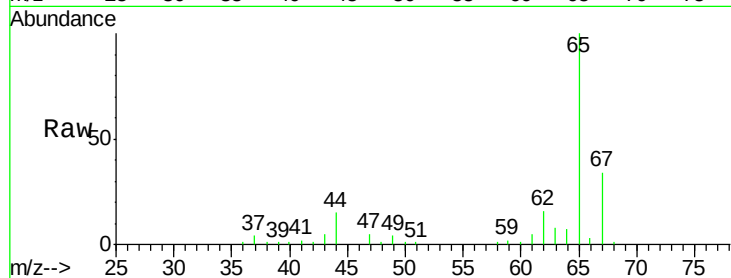
ETKW9

Tot Ion: 62 Resp: 3099

Ion Ratio Lower Upper

62 100

64 43.1 22.1 41.1#



#12

1,1-Dichloroethene

Concen: 0.372 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV016259.D

Acq: 28 May 2020 04:12

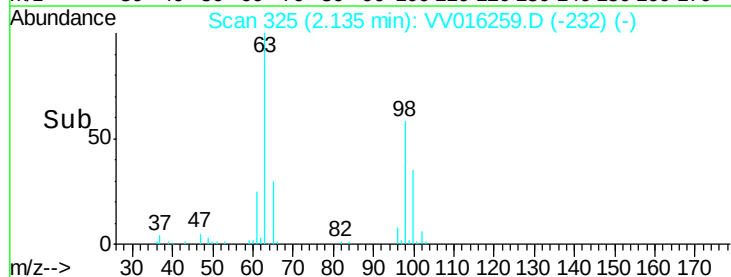
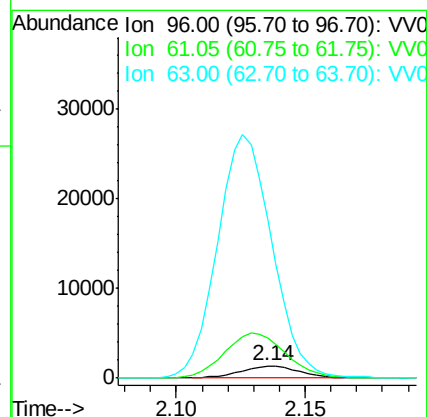
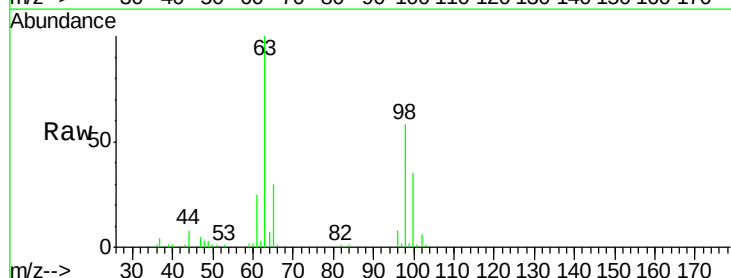
Tgt Ion: 96 Resp: 2123

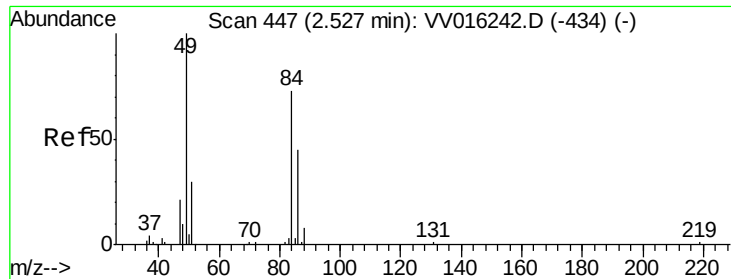
Ion Ratio Lower Upper

96 100

61 320.9 124.9 231.9#

63 1275.4 80.4 149.2#

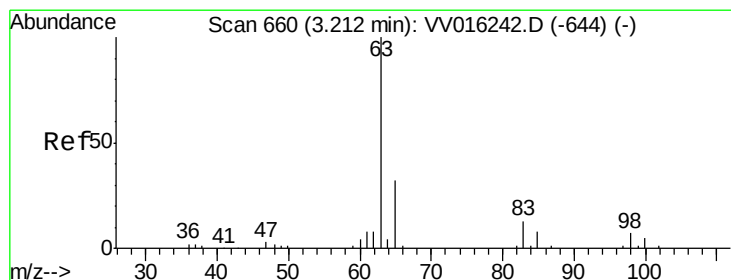
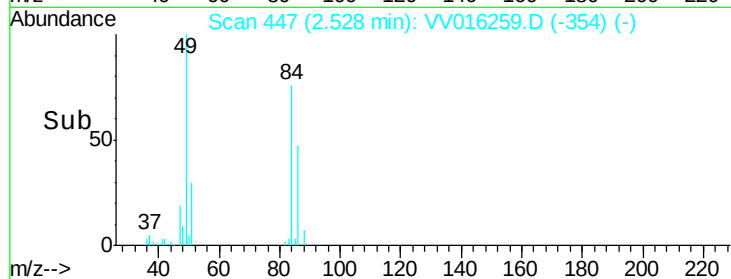
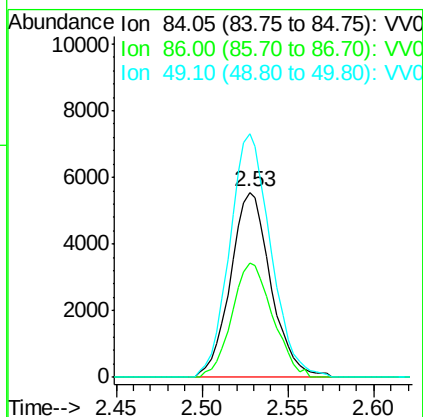
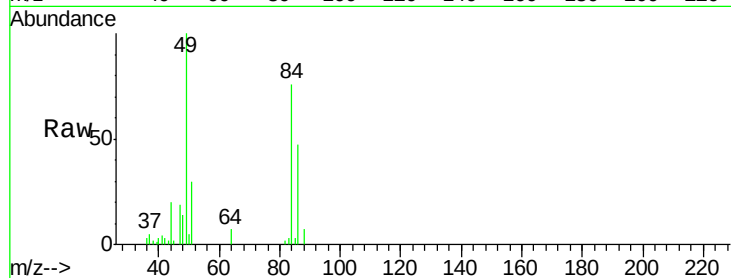




#16
Methvlene chloride
Concen: 1.389 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV016259.D
Acq: 28 May 2020 04:12

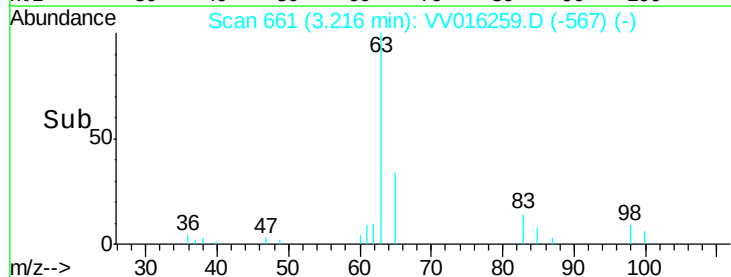
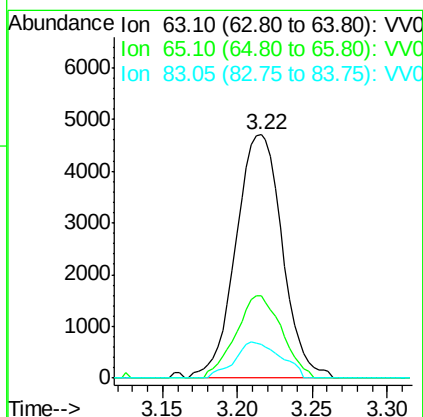
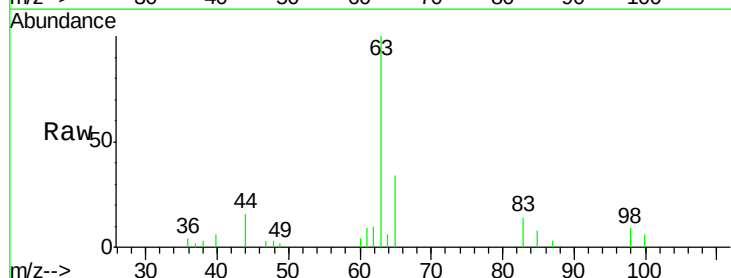
Instrument :
MSVOA_V
ClientSampleId :
ETKW9

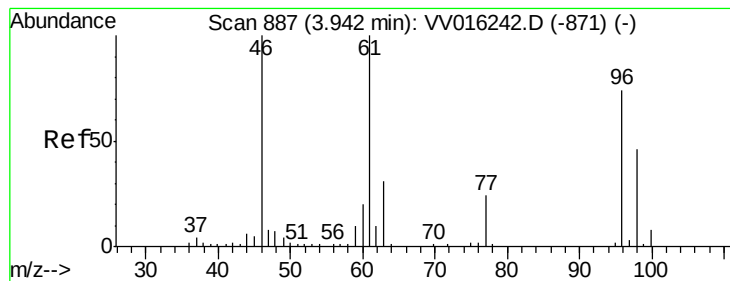
Tot Ion: 84 Resp: 9096
Ion Ratio Lower Upper
84 100
86 61.5 44.9 83.5
49 131.5 96.7 179.7



#19
1,1-Dichloroethane
Concen: 0.857 ug/L
RT: 3.22 min Scan# 661
Delta R.T. 0.00 min
Lab File: VV016259.D
Acq: 28 May 2020 04:12

Tgt Ion: 63 Resp: 10168
Ion Ratio Lower Upper
63 100
65 33.6 22.3 41.5
83 13.9 9.4 17.4



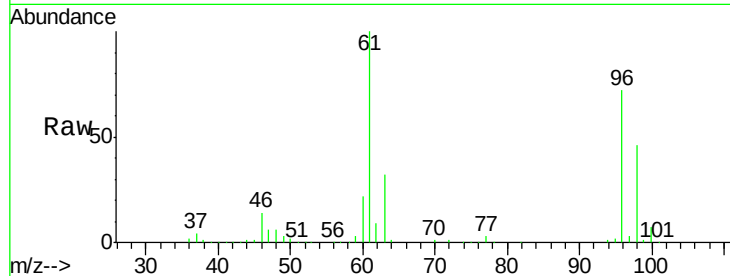


#22

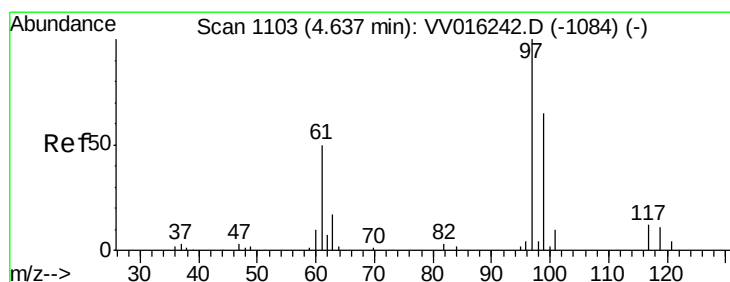
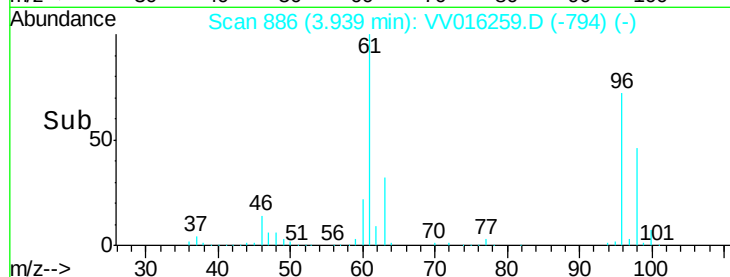
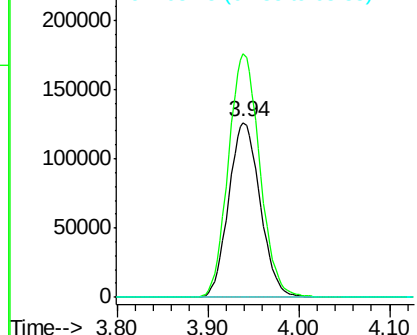
cis-1,2-Dichloroethene
 Concen: 41.107 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV016259.D
 Acq: 28 May 2020 04:12

Instrument :
 MSVOA_V
 ClientSampleId :
 ETKW9

Tot Ion: 96 Resp: 303829
 Ion Ratio Lower Upper
 96 100
 61 139.4 99.7 185.1
 68 0.0 0.0 0.0



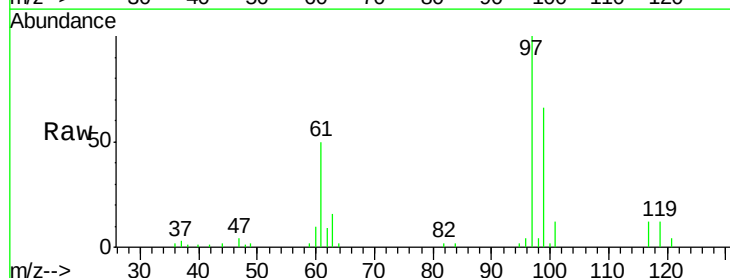
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



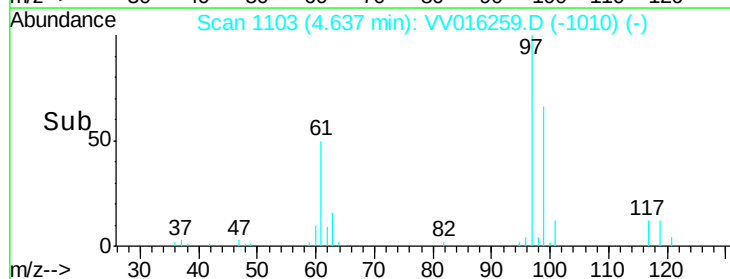
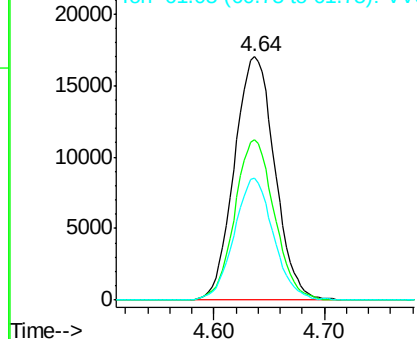
#29

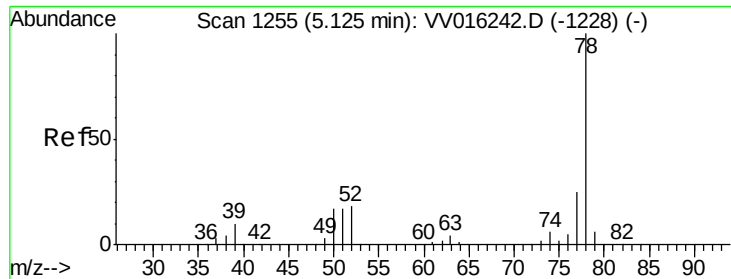
1,1,1-Trichloroethane
 Concen: 3.990 ug/L
 RT: 4.64 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VV016259.D
 Acq: 28 May 2020 04:12

Tgt Ion: 97 Resp: 43263
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.2 76.8
 61 48.5 38.6 57.8



Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0





#33

Benzene

Concen: 31.720 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV016259.D

Acq: 28 May 2020 04:12

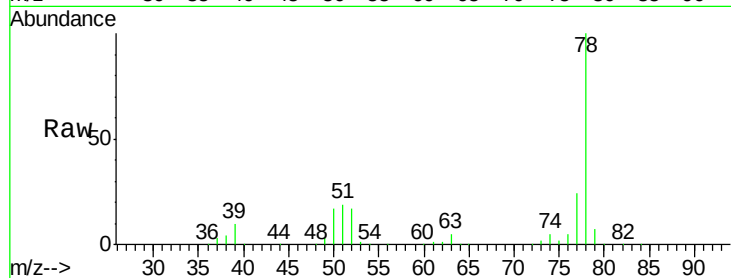
Instrument :

MSVOA_V

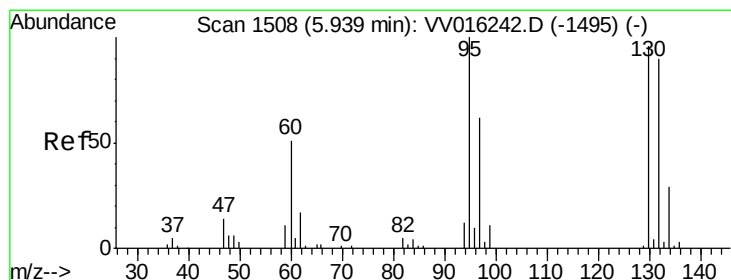
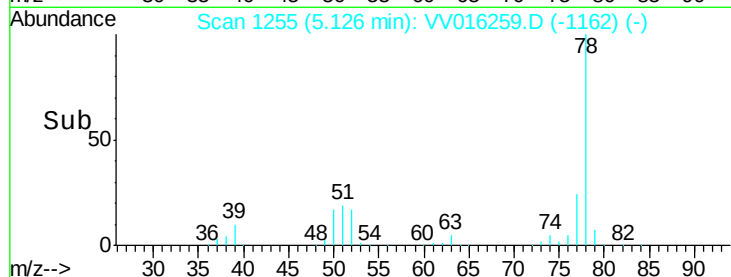
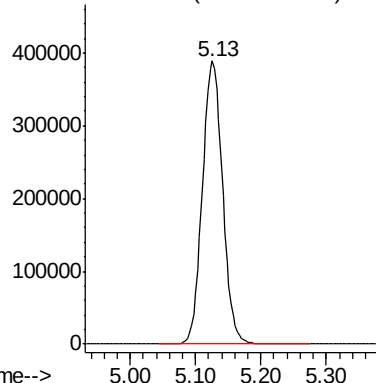
ClientSampleId :

ETKW9

Tgt Ion: 78 Resp: 833904



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 9.945 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016259.D

Acq: 28 May 2020 04:12

Tgt Ion: 95 Resp: 68110

Ion	Ratio	Lower	Upper
95	100		
97	63.3	43.6	81.0
132	92.0	63.9	118.7
130	98.3	65.2	121.0

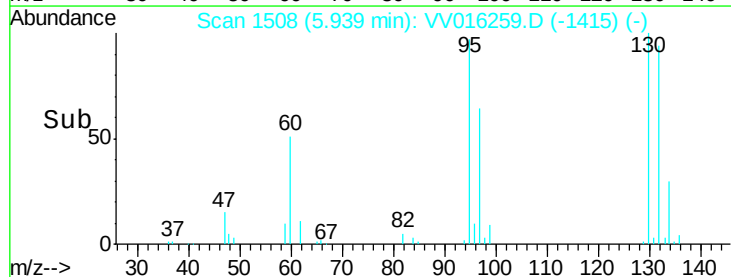
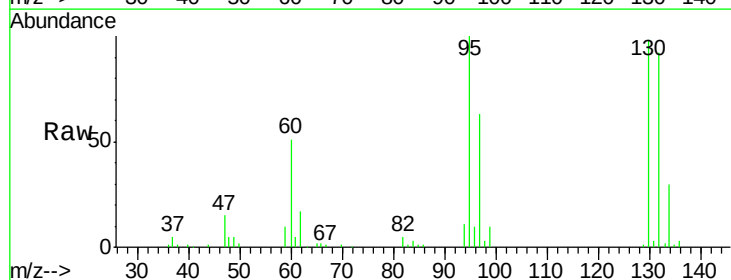
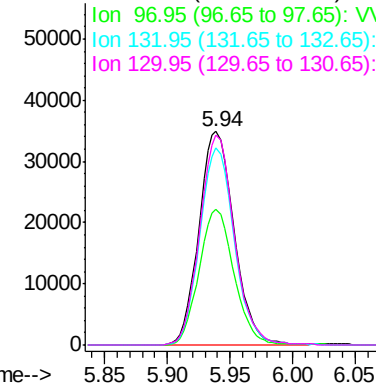
Ion 95.00 (94.70 to 95.70): VV0

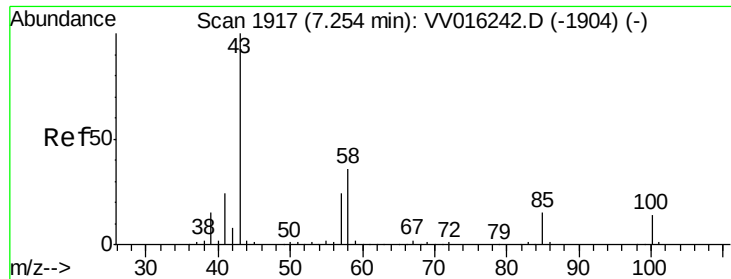
Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

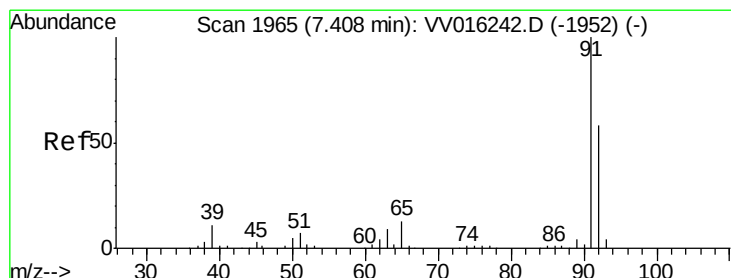
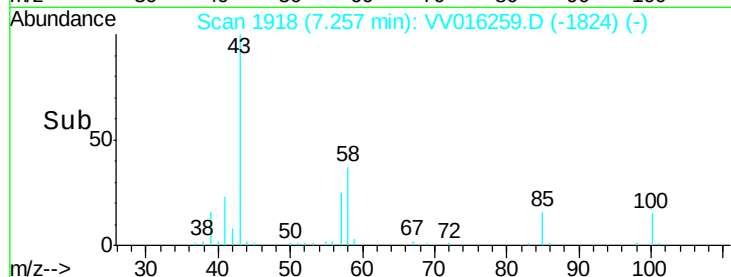
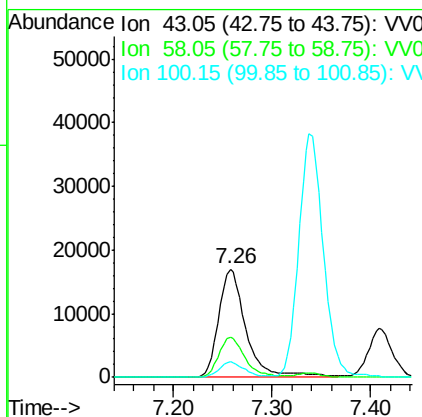
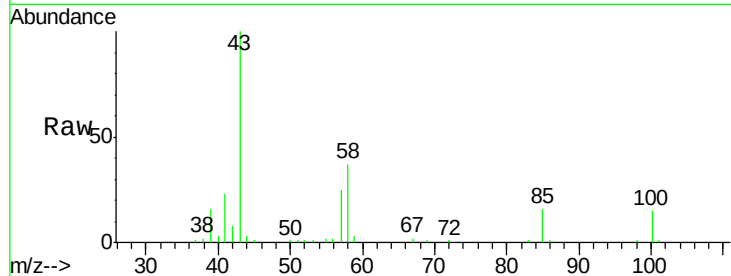




#40
4-Methyl-2-pentanone
Concen: 8.277 ug/L
RT: 7.26 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VV016259.D
Acq: 28 May 2020 04:12

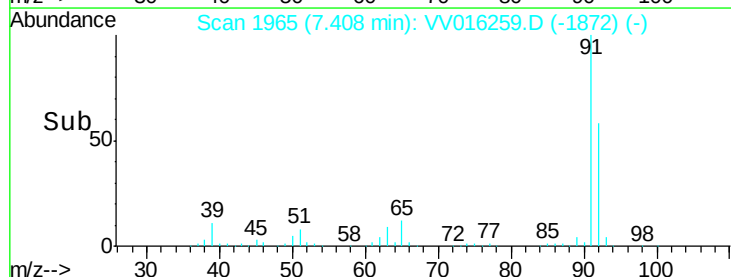
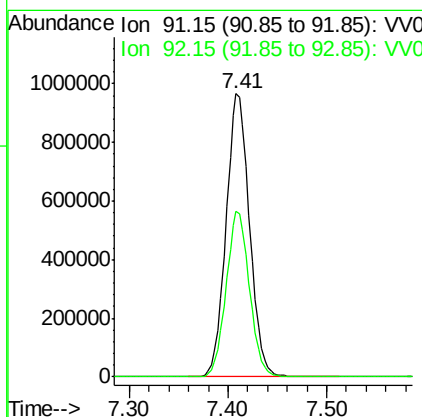
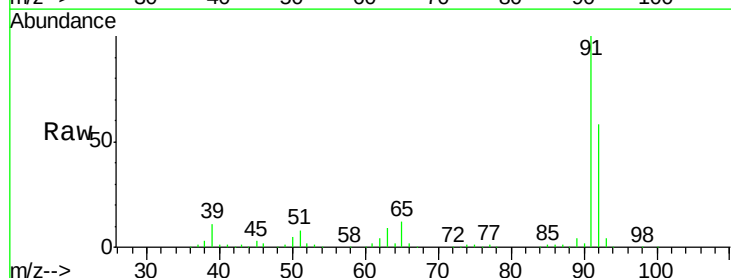
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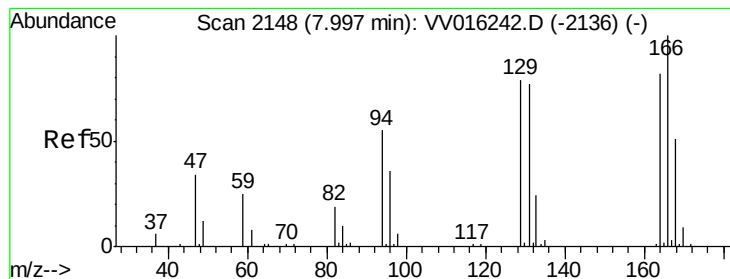
Tot Ion: 43 Resp: 33203
Ion Ratio Lower Upper
43 100
58 35.6 29.5 44.3
100 13.2 11.1 16.7



#42
Toluene
Concen: 56.228 ug/L
RT: 7.41 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VV016259.D
Acq: 28 May 2020 04:12

Tgt Ion: 91 Resp: 1612049
Ion Ratio Lower Upper
91 100
92 58.3 40.9 76.0





#49

Tetrachloroethene

Concen: 0.169 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016259.D

Acq: 28 May 2020 04:12

Instrument :
MSVOA_V
ClientSampleId :
ETKW9

Tot Ion:164 Resp: 830

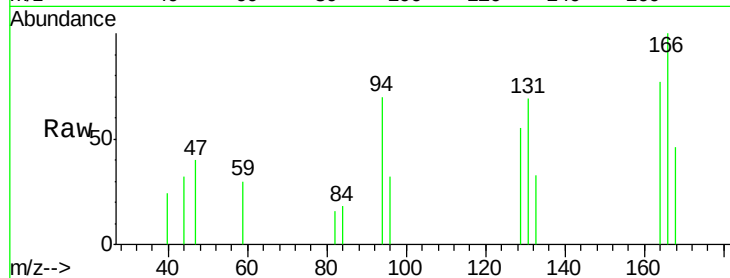
Ion Ratio Lower Upper

164 100

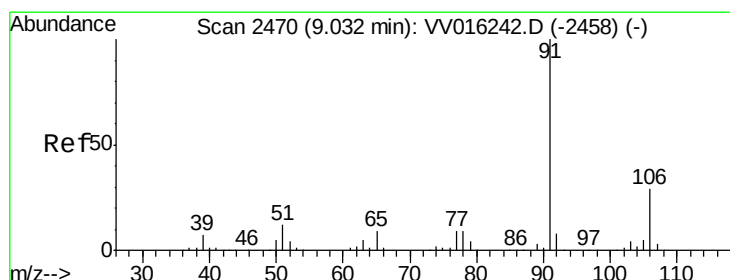
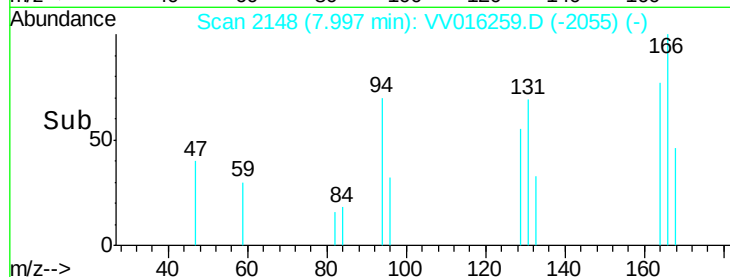
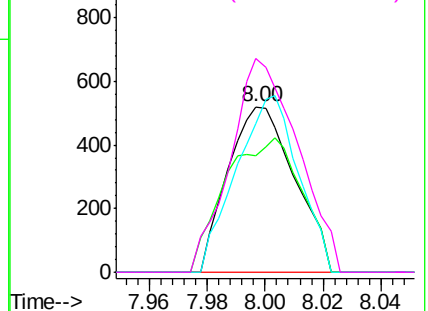
129 70.9 70.7 131.3

131 89.8 66.6 123.8

166 129.3 86.9 161.5



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V



#54

Ethylbenzene

Concen: 1.241 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV016259.D

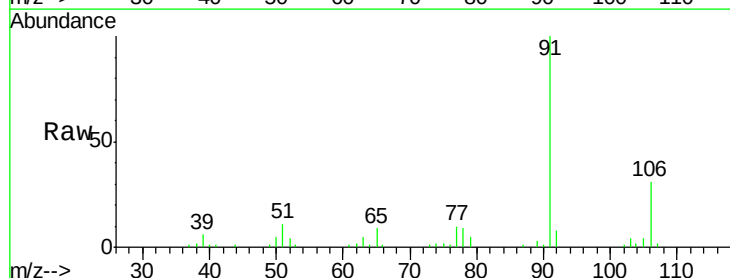
Acq: 28 May 2020 04:12

Tgt Ion: 91 Resp: 39664

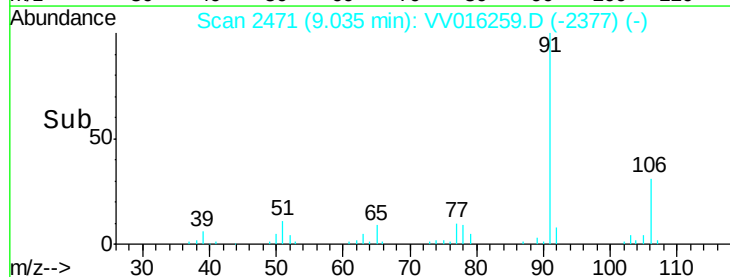
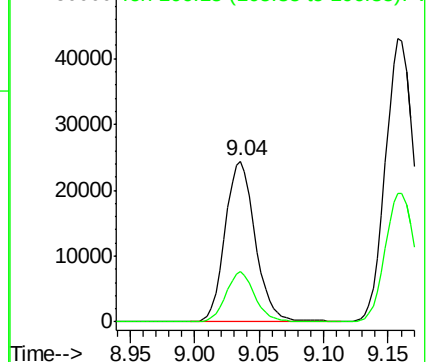
Ion Ratio Lower Upper

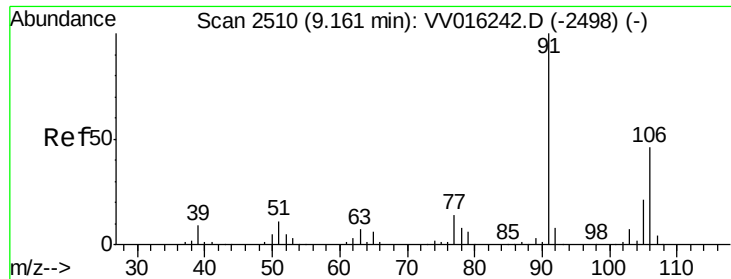
91 100

106 31.1 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: 2.708 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV016259.D

Acq: 28 May 2020 04:12

Instrument :

MSVOA_V

ClientSampled :

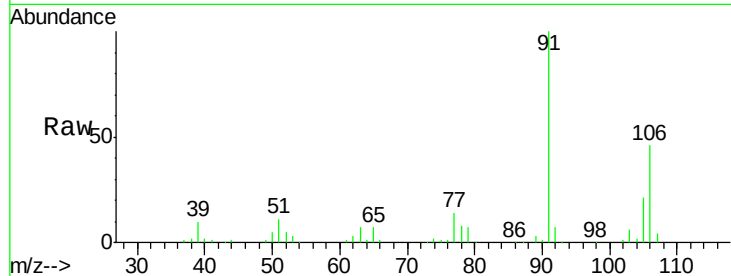
ETKW9

Tot Ion:106 Resp: 32452

Ion Ratio Lower Upper

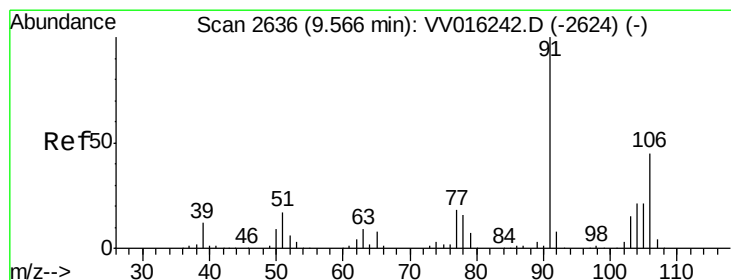
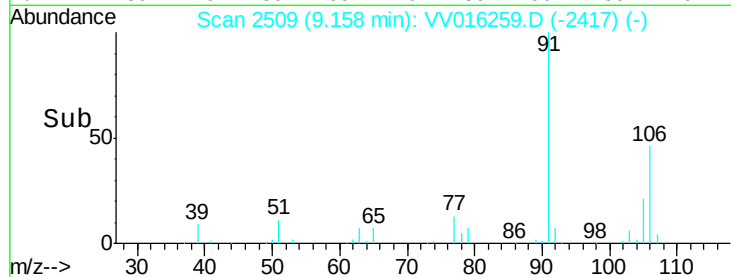
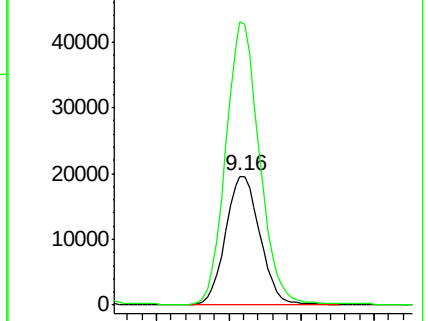
106 100

91 219.4 148.1 275.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#56

o-xylene

Concen: 1.232 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV016259.D

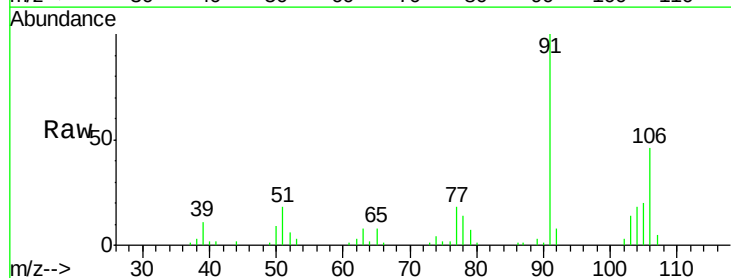
Acq: 28 May 2020 04:12

Tgt Ion:106 Resp: 14074

Ion Ratio Lower Upper

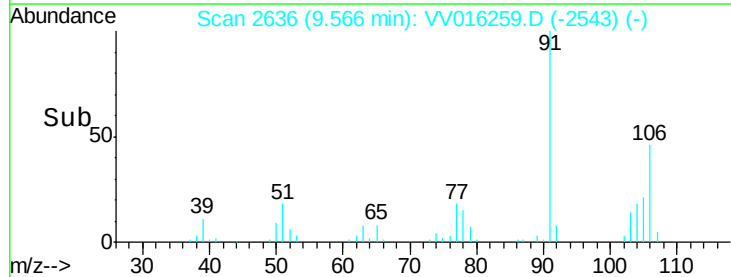
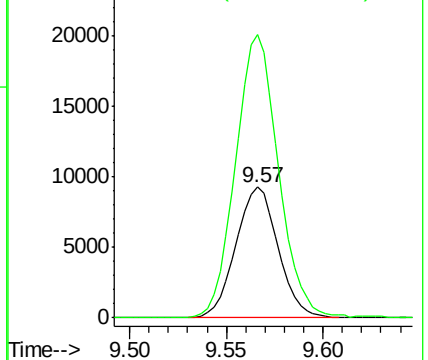
106 100

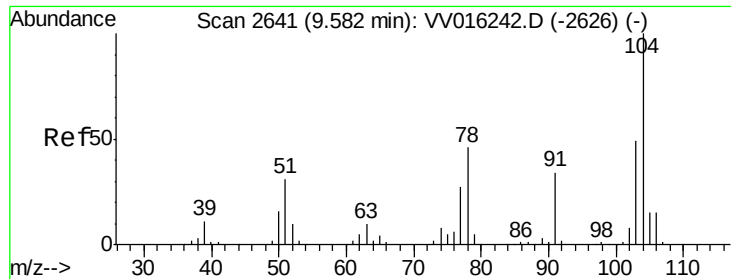
91 216.8 158.8 294.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#57

Stvrene

Concen: 1.454 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV016259.D

Acq: 28 May 2020 04:12

Instrument :
MSVOA_V
ClientSampleId :
ETKW9

Tot Ion:104 Resp: 27636

Ion Ratio Lower Upper

104 100

78 47.4 33.2 61.7

