

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061120\
 Data File : VV016857.D
 Acq On : 12 Jun 2020 03:32
 Operator : SY/MD
 Sample : L2915-16 250X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 12 06:01:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 12 05:55:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	366787	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	342300	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	165872	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	107951	41.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.42%
7) Chloroethane-d5	1.56	69	64583	41.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.18%
11) 1,1-Dichloroethene-d2	2.12	63	142553	32.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.60%
21) 2-Butanone-d5	3.90	46	163923	85.57	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.57%
24) Chloroform-d	4.37	84	226012	42.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.90%
26) 1,2-Dichloroethane-d4	5.05	65	164498	45.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.90%
32) Benzene-d6	5.07	84	440703	44.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.32%
36) 1,2-Dichloropropane-d6	6.09	67	135509	44.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.12%
41) Toluene-d8	7.34	98	396732	43.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.64%
43) trans-1,3-Dichloropropene-	7.64	79	64030	39.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.94%
47) 2-Hexanone-d5	8.11	63	99623	74.29	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	74.29%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	169667	41.67	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.34%
64) 1,2-Dichlorobenzene-d4	11.65	152	164426	46.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.90%

Target Compounds

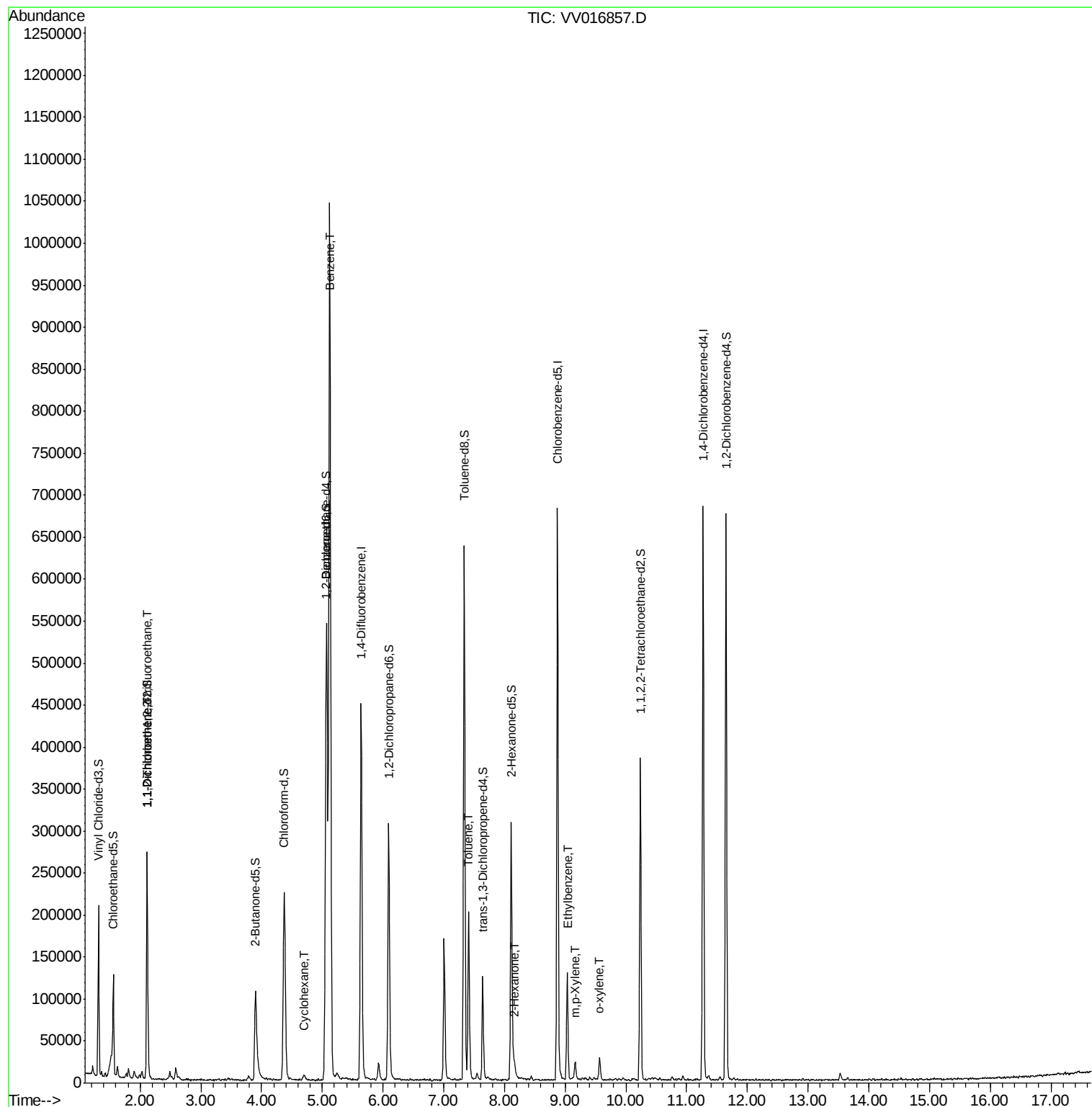
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1263	0.648	ug/L #	19
12) 1,1-Dichloroethene	2.12	96	1334	0.733	ug/L #	1
29) Cyclohexane	4.70	56	3048	0.717	ug/L #	54
33) Benzene	5.12	78	1001158	98.854	ug/L	100
42) Toluene	7.41	91	140474	13.157	ug/L	98
48) 2-Hexanone	8.17	43	9898	3.420	ug/L #	88
52) Ethylbenzene	9.04	91	84950	7.184	ug/L	99
53) m,p-Xylene	9.16	106	6142	1.395	ug/L	81
54) o-xylene	9.57	106	6755	1.556	ug/L	97

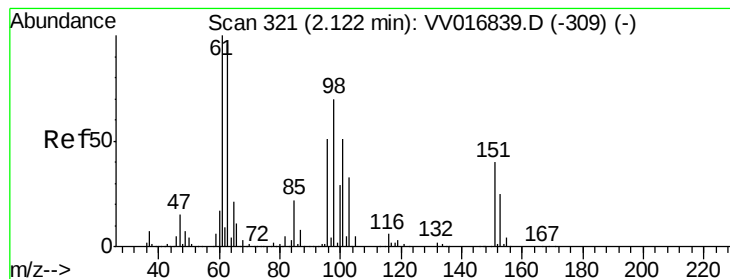
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.648 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV016857.D

Acq: 12 Jun 2020 03:32

Instrument :

MSVOA_V

ClientSampleId :

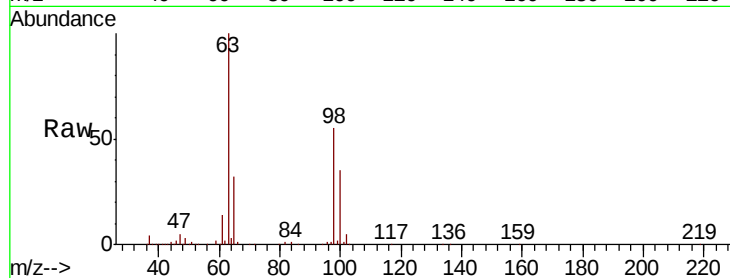
Tot Ion:101 Resp: 1263

Ion Ratio Lower Upper

101 100

85 3.9 35.5 53.3#

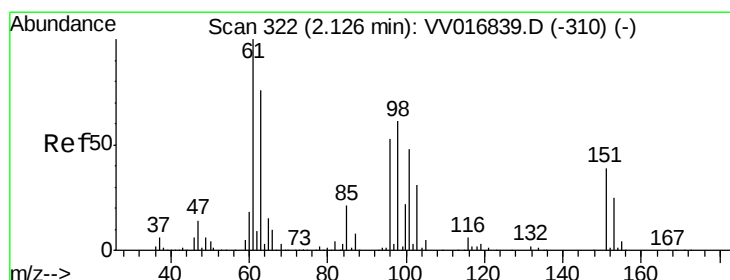
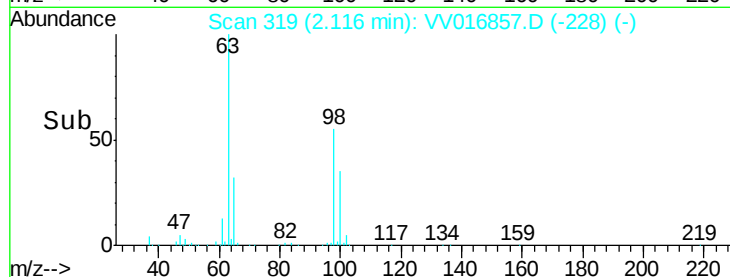
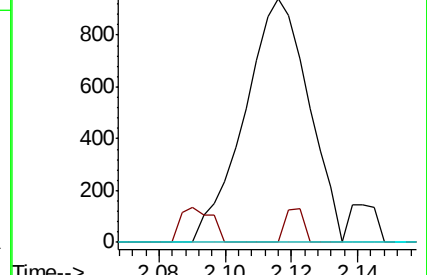
151 0.0 63.9 95.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.733 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV016857.D

Acq: 12 Jun 2020 03:32

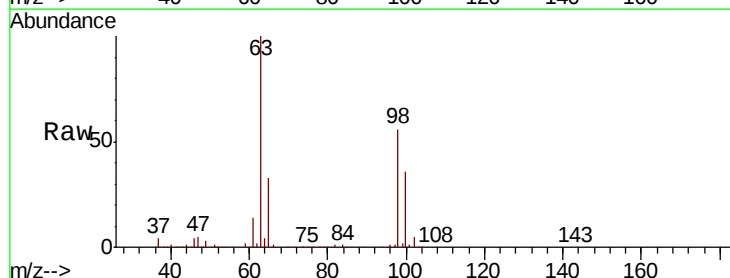
Tgt Ion: 96 Resp: 1334

Ion Ratio Lower Upper

96 100

61 1475.0 130.4 242.2#

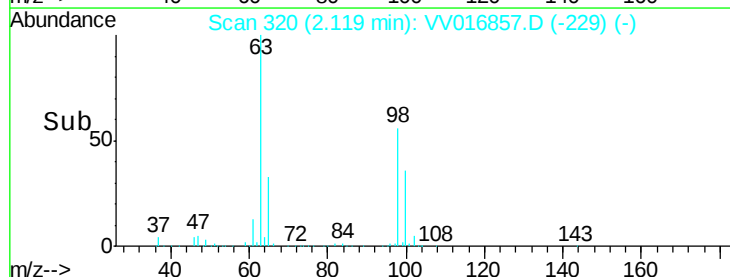
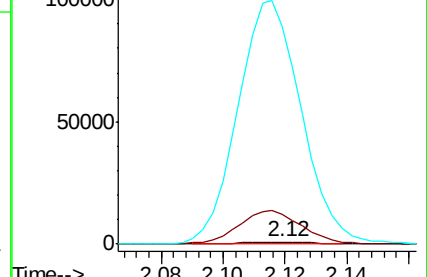
63 10861.5 103.3 191.9#

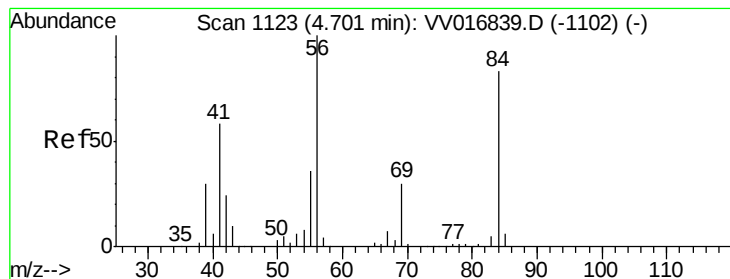


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#29

Cyclohexane

Concen: 0.717 ug/L

RT: 4.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VV016857.D

Acq: 12 Jun 2020 03:32

Instrument :
MSVOA_V
ClientSampleId :

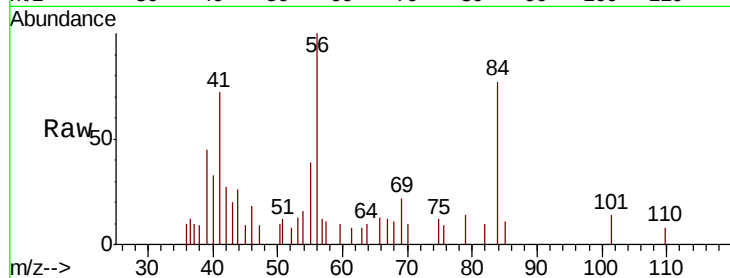
Tot Ion: 56 Resp: 3048

Ion Ratio Lower Upper

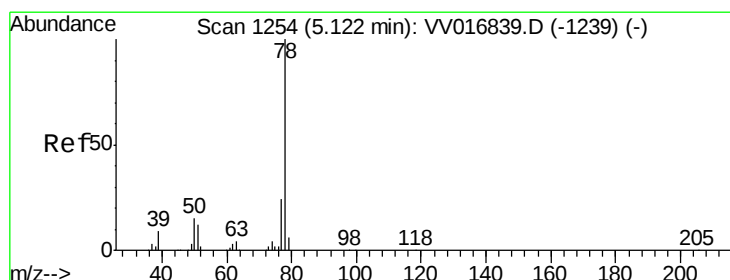
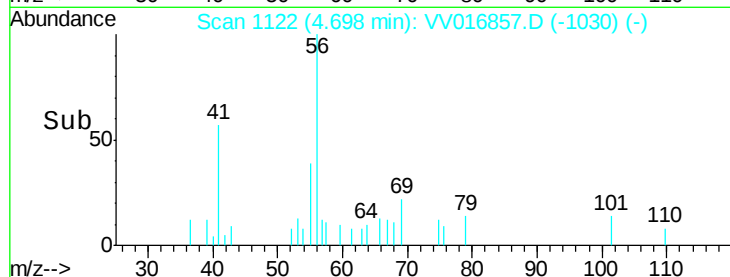
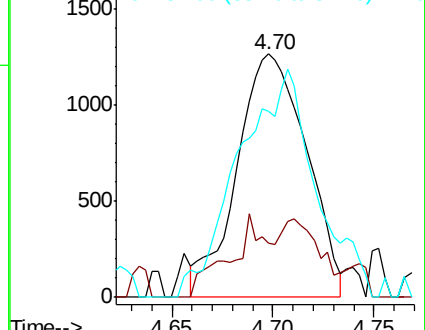
56 100

69 5.9 25.0 37.4#

84 44.9 69.5 104.3#



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#33

Benzene

Concen: 98.854 ug/L

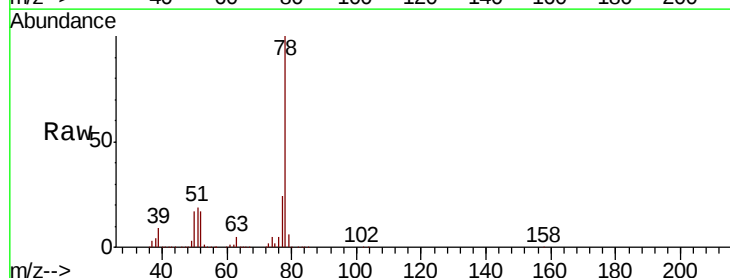
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

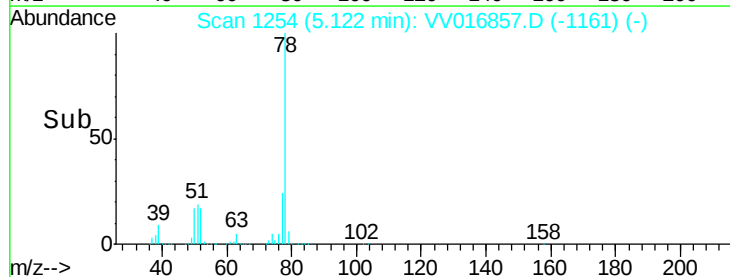
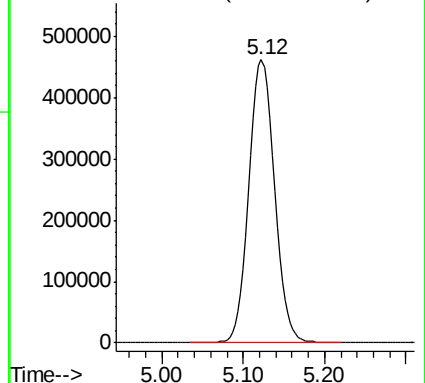
Lab File: VV016857.D

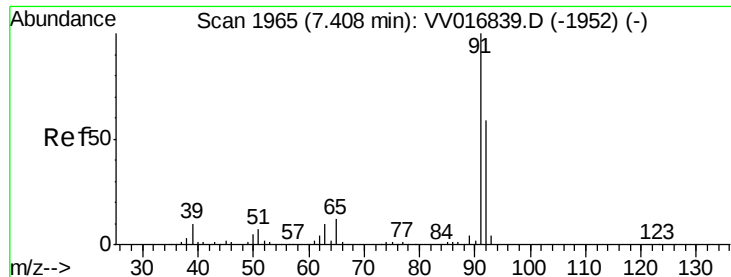
Acq: 12 Jun 2020 03:32

Tgt Ion: 78 Resp: 1001158



Abundance Ion 78.00 (77.70 to 78.70): VV0





#42

Toluene

Concen: 13.157 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV016857.D

Acq: 12 Jun 2020 03:32

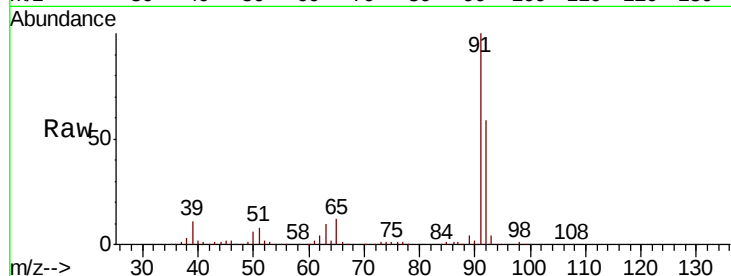
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 140474

Ion Ratio Lower Upper

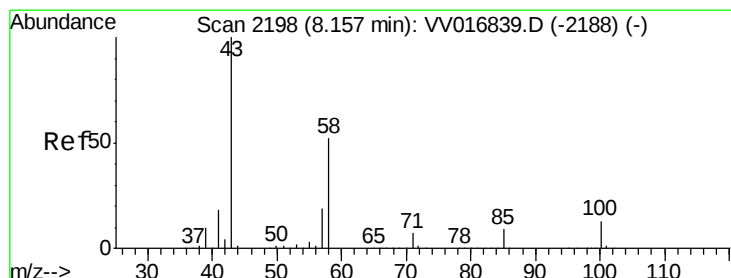
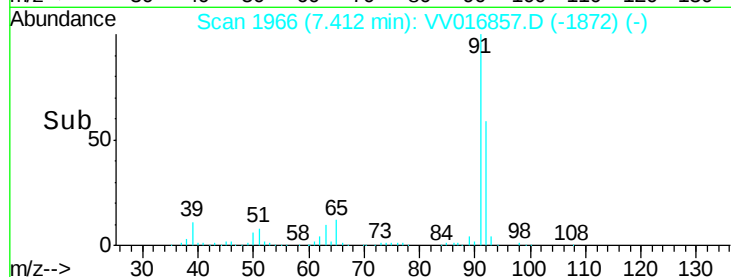
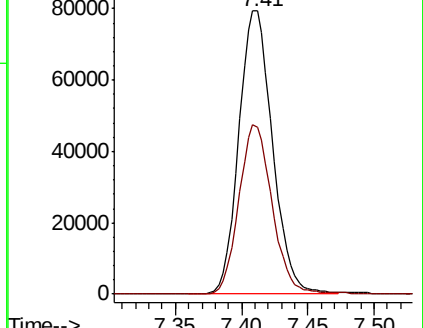
91 100

92 59.2 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VV016839.D (-1952) (-)

Ion 92.00 (91.70 to 92.70): VV016857.D (-2105) (-)



#48

2-Hexanone

Concen: 3.420 ug/L

RT: 8.17 min Scan# 2202

Delta R.T. 0.01 min

Lab File: VV016857.D

Acq: 12 Jun 2020 03:32

Tgt Ion: 43 Resp: 9898

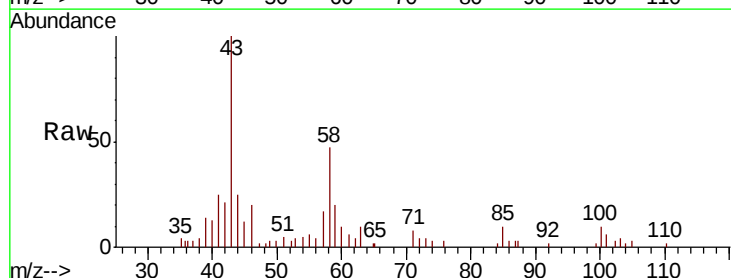
Ion Ratio Lower Upper

43 100

58 50.5 43.1 64.7

57 3.1 15.3 22.9#

100 8.6 10.0 15.0#

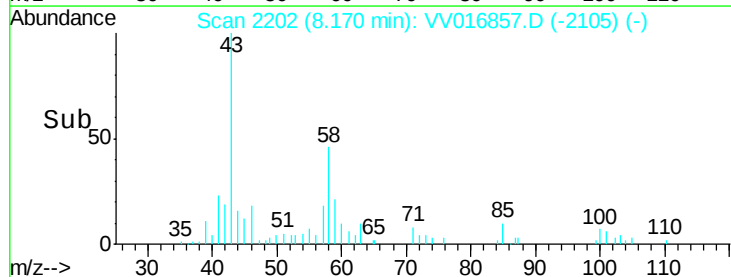
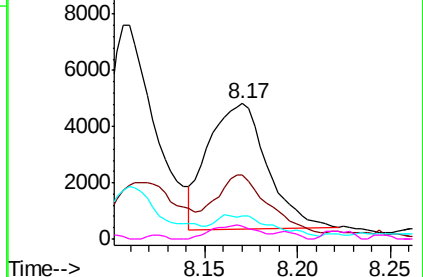


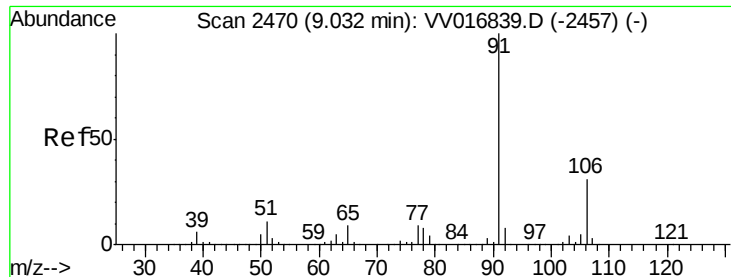
Abundance Ion 43.00 (42.70 to 43.70): VV016839.D (-2188) (-)

Ion 58.00 (57.70 to 58.70): VV016857.D (-2105) (-)

Ion 57.00 (56.70 to 57.70): VV016839.D (-2188) (-)

Ion 100.00 (99.70 to 100.70): VV016857.D (-2105) (-)





#52

Ethylbenzene

Concen: 7.184 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV016857.D

Acq: 12 Jun 2020 03:32

Instrument :

MSVOA_V

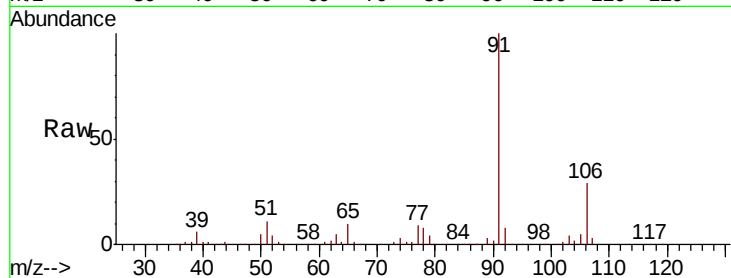
ClientSampled :

Tot Ion: 91 Resp: 84950

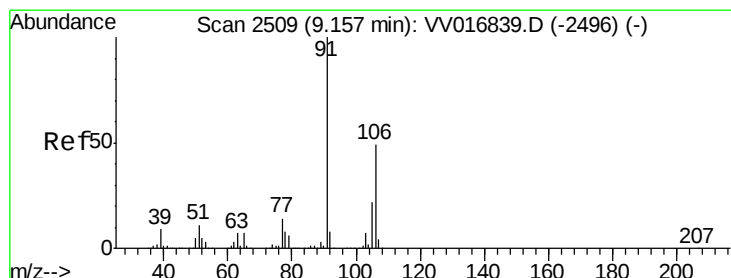
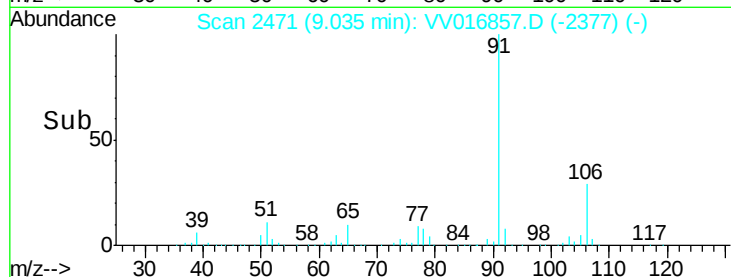
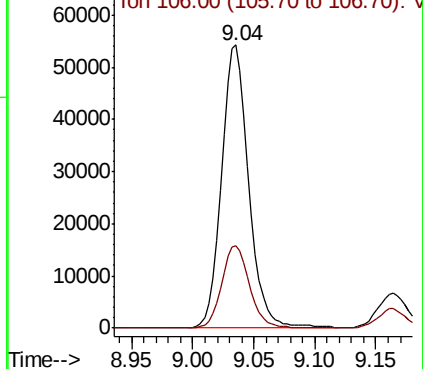
Ion Ratio Lower Upper

91 100

106 29.3 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VV016857.D (-2471) (-)



#53

m,p-Xylene

Concen: 1.395 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV016857.D

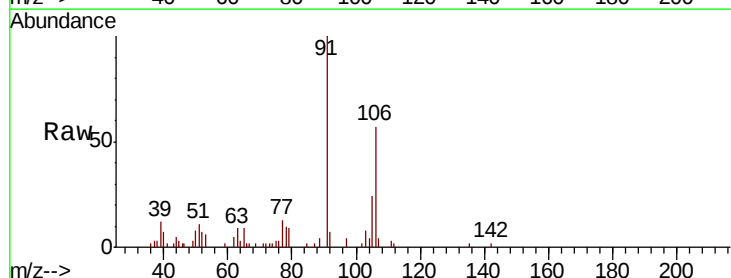
Acq: 12 Jun 2020 03:32

Tgt Ion: 106 Resp: 6142

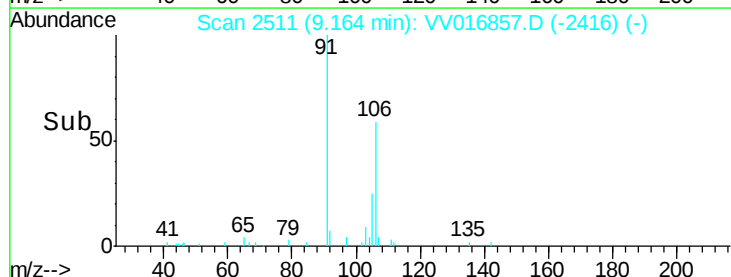
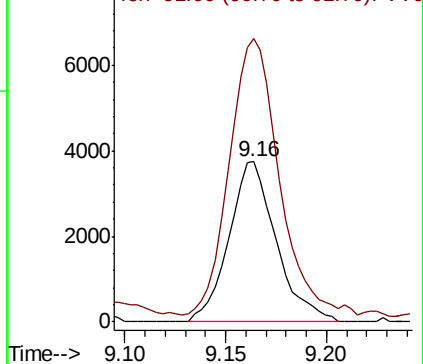
Ion Ratio Lower Upper

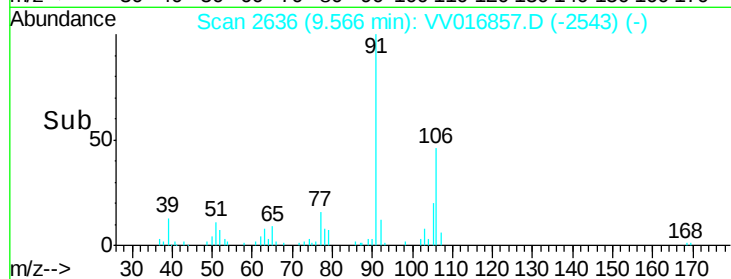
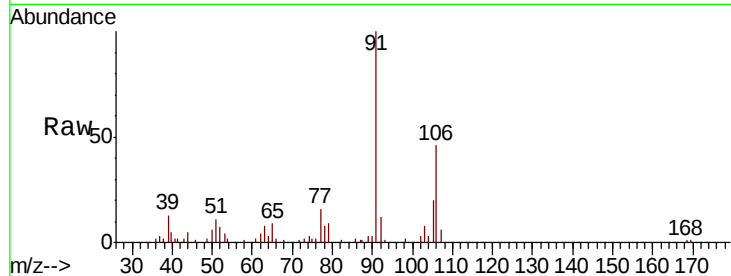
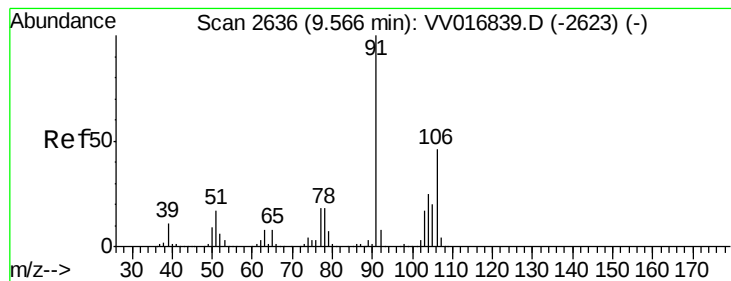
106 100

91 176.6 144.6 268.6



Abundance Ion 106.00 (105.70 to 106.70): VV016857.D (-2509) (-)





#54

o-xylene

Concen: 1.556 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV016857.D

Acq: 12 Jun 2020 03:32

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 6755

Ion Ratio Lower Upper

106 100

91 218.6 155.9 289.5

