

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061120\
 Data File : VV016856.D
 Acq On : 12 Jun 2020 03:09
 Operator : SY/MD
 Sample : L2915-01 250X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 12 06:00:46 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	369996	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	346018	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	161012	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	107691	41.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.50%
7) Chloroethane-d5	1.56	69	74679	47.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.34%
11) 1,1-Dichloroethene-d2	2.12	63	148379	33.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.70%
21) 2-Butanone-d5	3.90	46	165961	85.89	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.89%
24) Chloroform-d	4.37	84	222603	41.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.86%
26) 1,2-Dichloroethane-d4	5.05	65	165114	45.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.46%
32) Benzene-d6	5.07	84	446470	44.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.52%
36) 1,2-Dichloropropane-d6	6.09	67	137767	44.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.62%
41) Toluene-d8	7.34	98	402694	44.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.00%
43) trans-1,3-Dichloropropene-	7.64	79	66310	40.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.90%
47) 2-Hexanone-d5	8.11	63	98889	72.95	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	72.95%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	170440	41.41	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.82%
64) 1,2-Dichlorobenzene-d4	11.65	152	162251	47.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.44%

Target Compounds

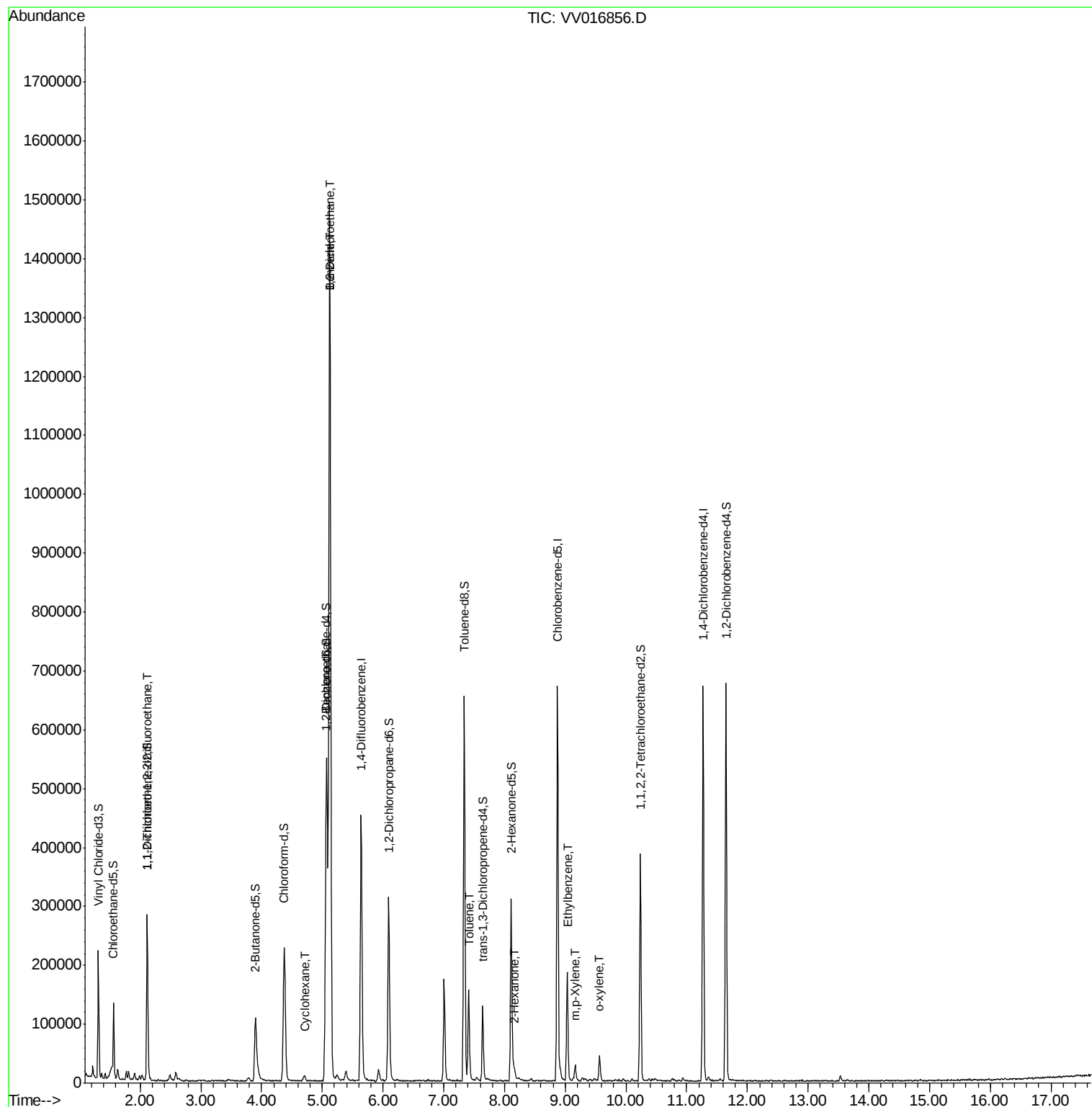
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1290	0.656	ug/L #	22
27) 1,2-Dichloroethane	5.12	62	15054	3.708	ug/L #	74
29) Cyclohexane	4.70	56	4422	1.028	ug/L	96
33) Benzene	5.12	78	1434489	140.119	ug/L	100
42) Toluene	7.41	91	108100	10.016	ug/L	100
48) 2-Hexanone	8.17	43	10060	3.439	ug/L #	89
52) Ethylbenzene	9.04	91	126952	10.620	ug/L	99
53) m,p-Xylene	9.16	106	6989	1.570	ug/L	94
54) o-xylene	9.56	106	11068	2.521	ug/L	88

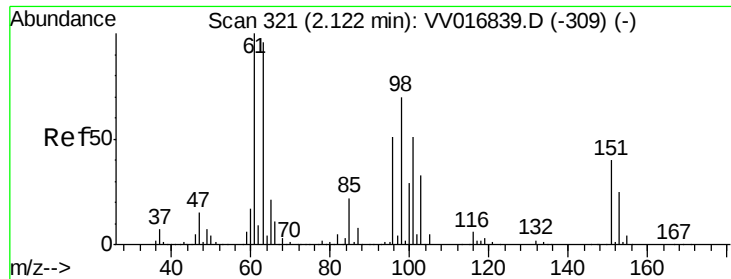
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.656 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.00 min

Lab File: VV016856.D

Acq: 12 Jun 2020 03:09

Instrument :

MSVOA_V

ClientSampleId :

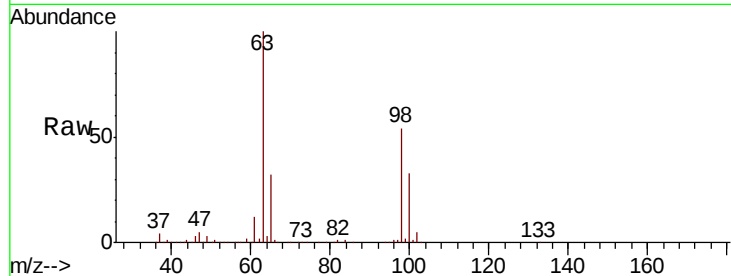
Tot Ion:101 Resp: 1290

Ion Ratio Lower Upper

101 100

85 8.5 35.5 53.3#

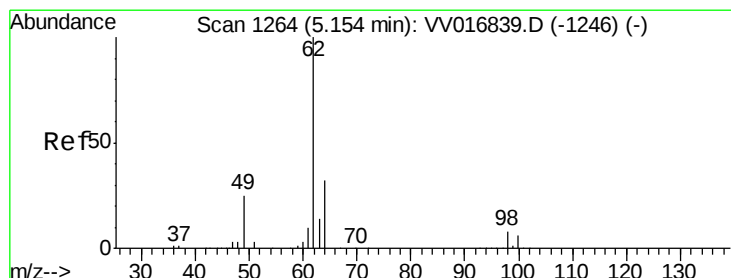
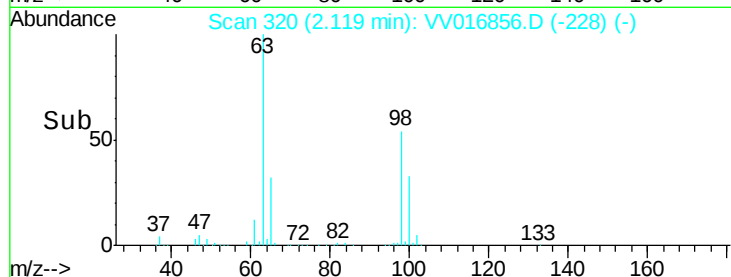
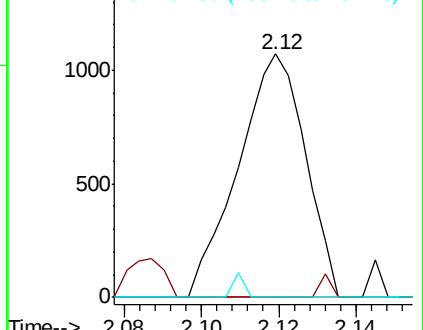
151 0.0 63.9 95.9#



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



#27

1,2-Dichloroethane

Concen: 3.708 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. -0.03 min

Lab File: VV016856.D

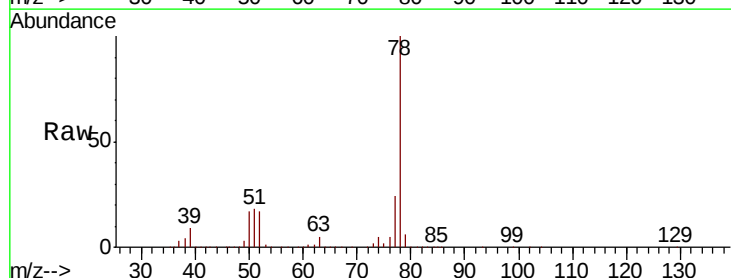
Acq: 12 Jun 2020 03:09

Tgt Ion: 62 Resp: 15054

Ion Ratio Lower Upper

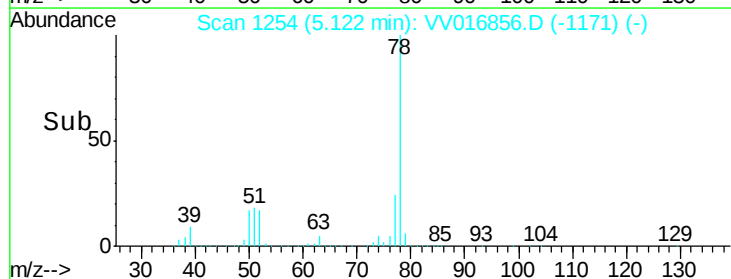
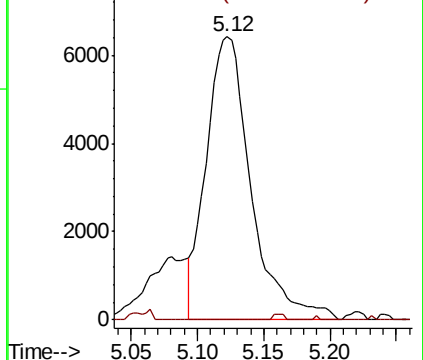
62 100

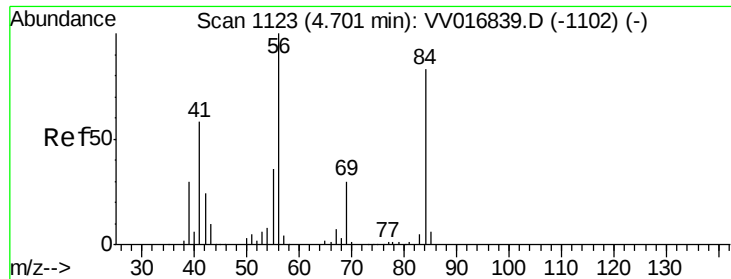
98 0.0 7.4 11.2#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

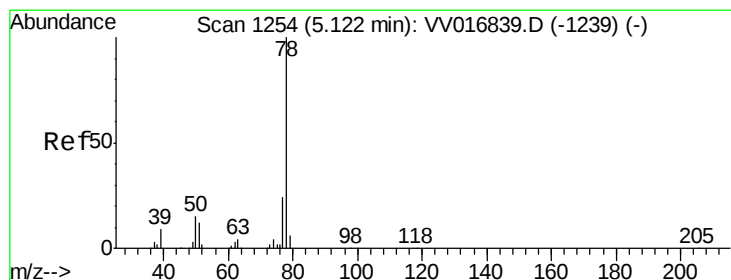
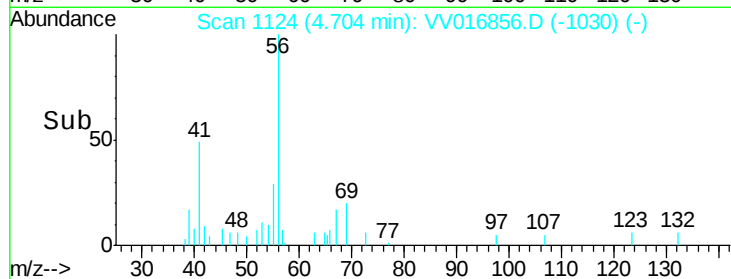
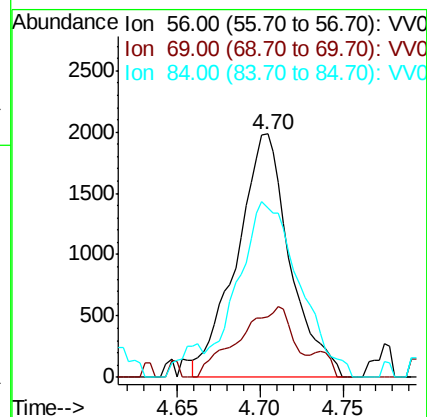
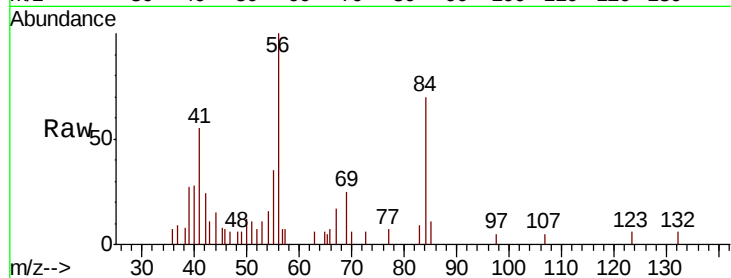




#29
Cyclohexane
Concen: 1.028 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV016856.D
Acq: 12 Jun 2020 03:09

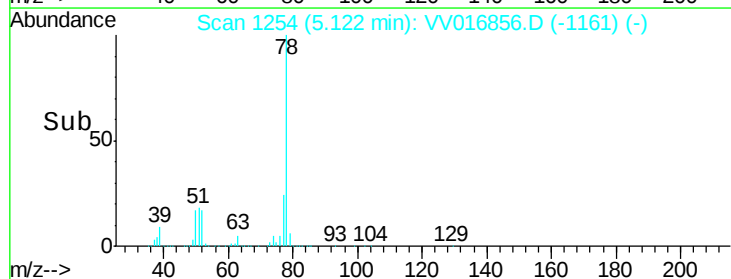
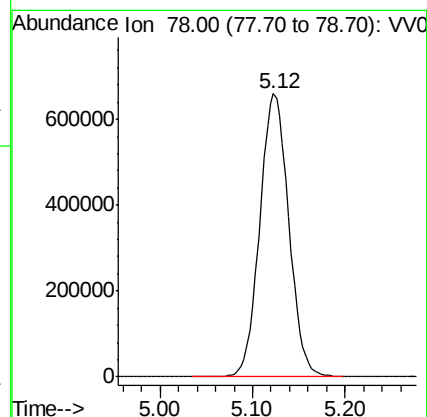
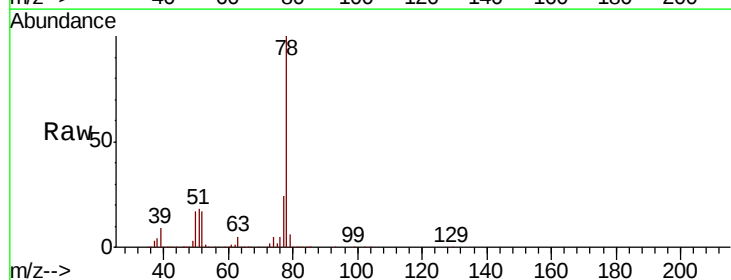
Instrument :
MSVOA_V
ClientSampled :

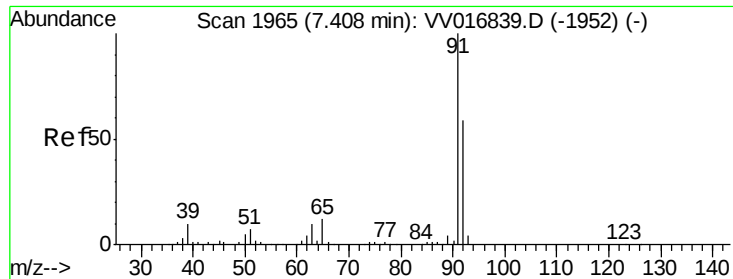
Tot Ion: 56 Resp: 4422
Ion Ratio Lower Upper
56 100
69 29.5 25.0 37.4
84 83.5 69.5 104.3



#33
Benzene
Concen: 140.119 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VV016856.D
Acq: 12 Jun 2020 03:09

Tgt Ion: 78 Resp: 1434489





#42

Toluene

Concen: 10.016 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV016856.D

Acq: 12 Jun 2020 03:09

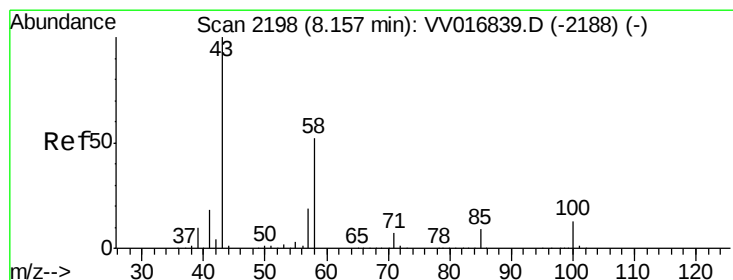
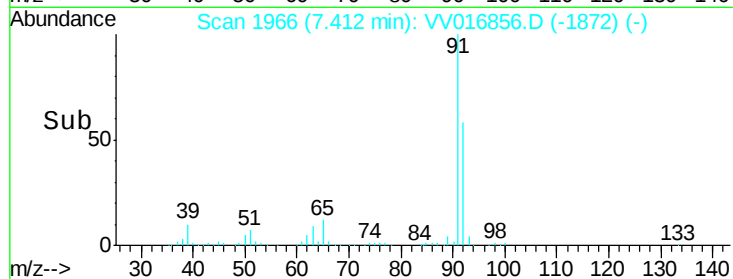
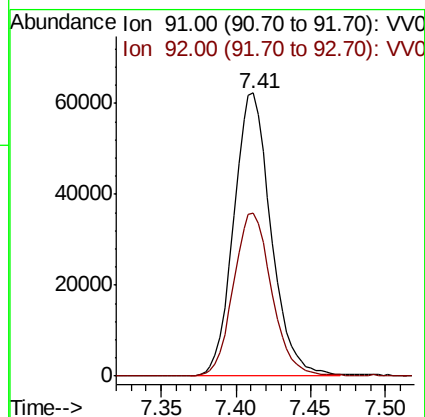
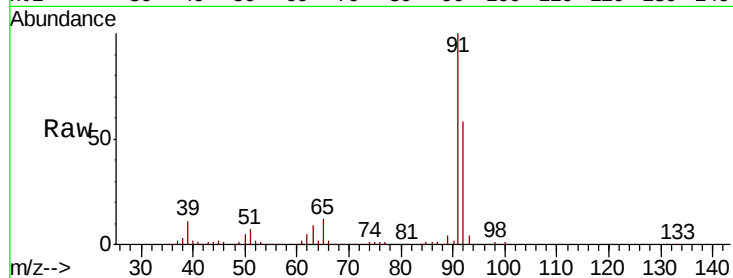
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 108100

Ion Ratio Lower Upper

91 100

92 57.8 40.4 75.0



#48

2-Hexanone

Concen: 3.439 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.01 min

Lab File: VV016856.D

Acq: 12 Jun 2020 03:09

Tgt Ion: 43 Resp: 10060

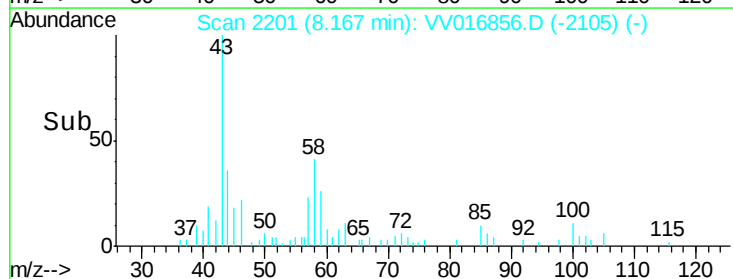
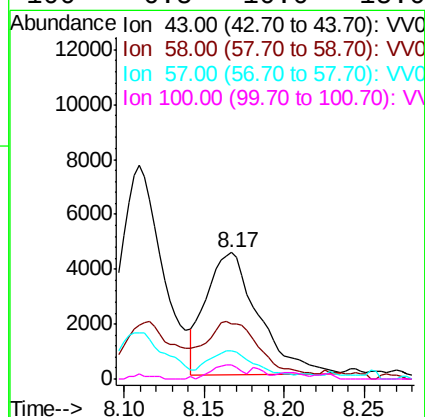
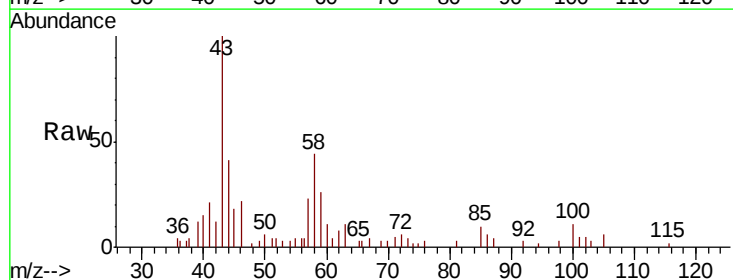
Ion Ratio Lower Upper

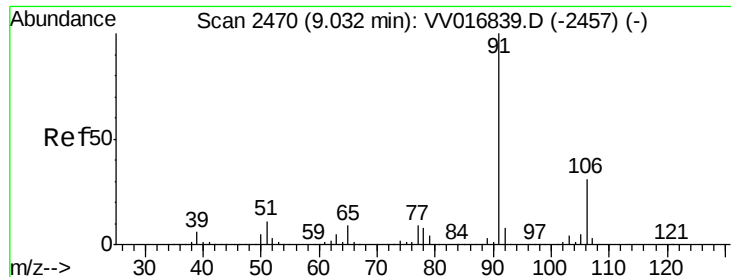
43 100

58 46.0 43.1 64.7

57 22.0 15.3 22.9

100 6.5 10.0 15.0#





#52

Ethylbenzene

Concen: 10.620 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV016856.D

Acq: 12 Jun 2020 03:09

Instrument :

MSVOA_V

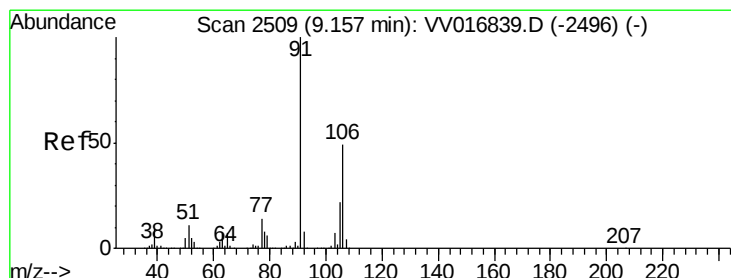
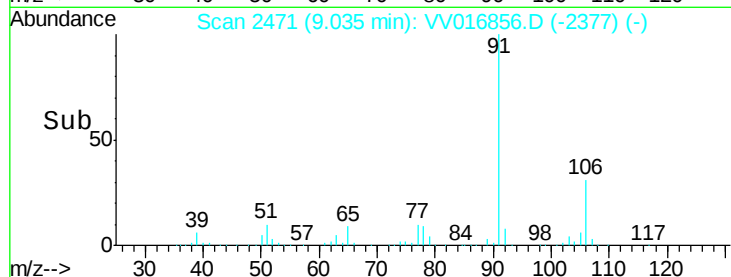
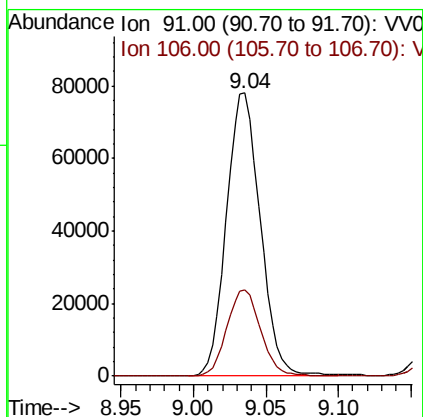
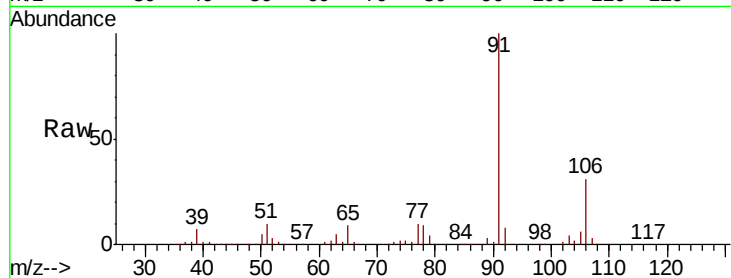
ClientSampleId :

Tot Ion: 91 Resp: 126952

Ion Ratio Lower Upper

91 100

106 30.7 21.1 39.1



#53

m,p-Xylene

Concen: 1.570 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV016856.D

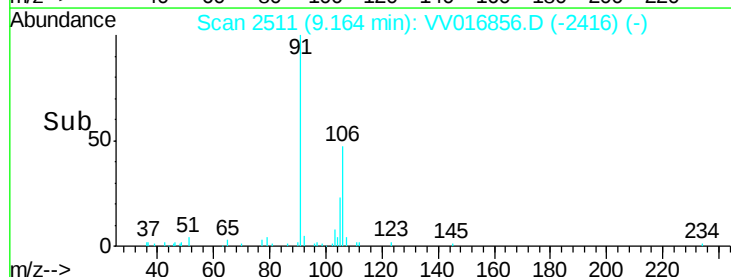
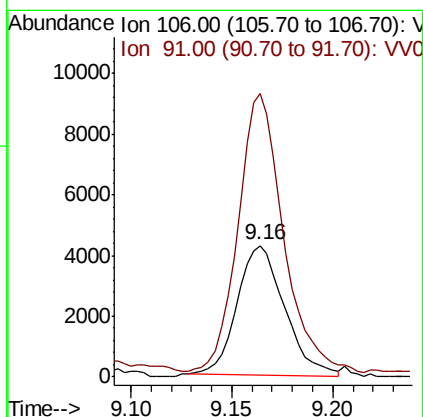
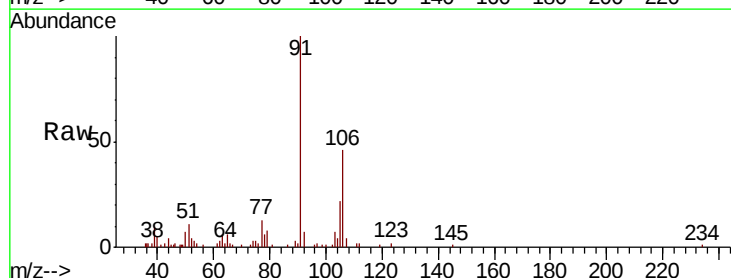
Acq: 12 Jun 2020 03:09

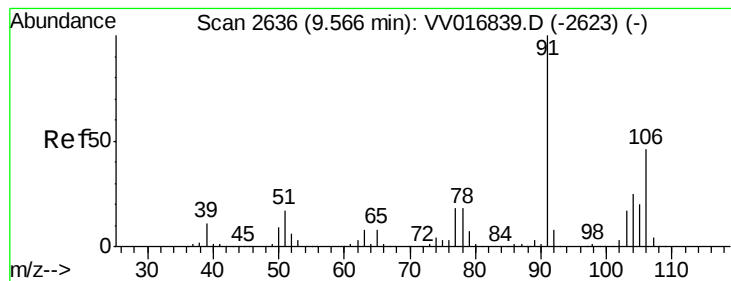
Tgt Ion: 106 Resp: 6989

Ion Ratio Lower Upper

106 100

91 215.3 144.6 268.6





#54
 o-xylene
 Concen: 2.521 ug/L
 RT: 9.56 min Scan# 2635
 Delta R.T. -0.00 min
 Lab File: VV016856.D
 Acq: 12 Jun 2020 03:09

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:106 Resp: 11068
 Ion Ratio Lower Upper
 106 100
 91 203.3 155.9 289.5

