

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061020\
 Data File : VV016776.D
 Acq On : 10 Jun 2020 18:01
 Operator : SY/MD
 Sample : L2914-07 20X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9E02

Quant Time: Jun 11 01:09:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 11 01:04:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	360765	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	334553	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	176277	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	119913	47.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.22%
7) Chloroethane-d5	1.54	69	58260	38.14	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.28%
11) 1,1-Dichloroethene-d2	2.11	63	141187	33.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.06%
21) 2-Butanone-d5	3.90	46	165729	87.96	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.96%
24) Chloroform-d	4.37	84	215220	41.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.16%
26) 1,2-Dichloroethane-d4	5.05	65	158358	44.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.96%
32) Benzene-d6	5.07	84	435278	45.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.26%
36) 1,2-Dichloropropane-d6	6.09	67	134054	44.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.18%
41) Toluene-d8	7.34	98	393662	44.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.96%
43) trans-1,3-Dichloropropene-	7.64	79	65710	41.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.94%
47) 2-Hexanone-d5	8.11	63	106247	81.07	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.07%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	181081	45.50	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.00%
64) 1,2-Dichlorobenzene-d4	11.65	152	175679	46.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.40%

Target Compounds

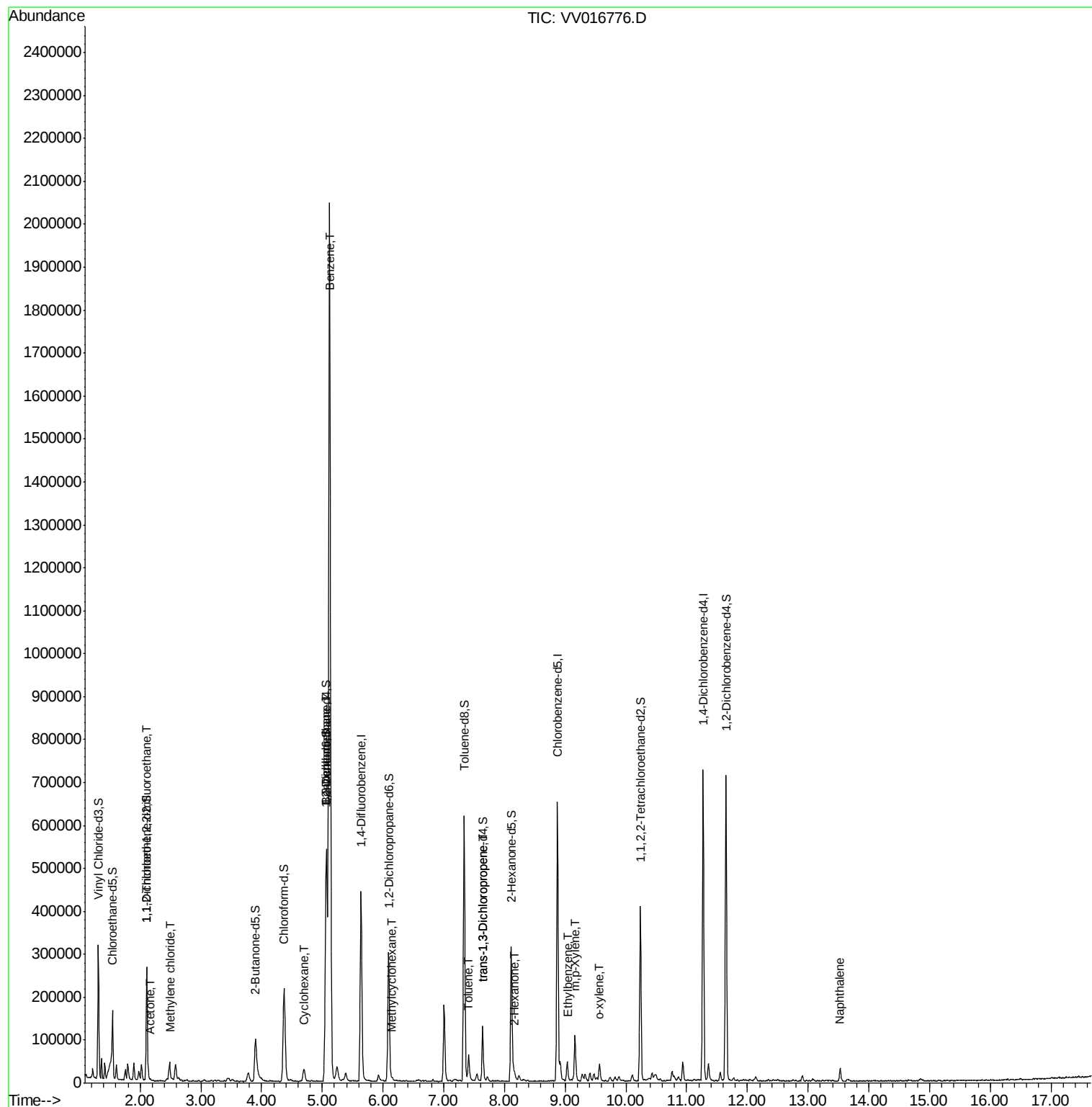
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	1390	0.725	ug/L #	26
13) Acetone	2.17	43	1186	0.955	ug/L	66
16) Methylene chloride	2.51	84	1923	0.732	ug/L	79
27) 1,2-Dichloroethane	5.07	62	3188	0.805	ug/L	96
29) Cyclohexane	4.69	56	15657	3.766	ug/L	96
33) Benzene	5.12	78	1946930	196.690	ug/L	100
35) Methylcyclohexane	6.15	83	2446	0.587	ug/L #	74
42) Toluene	7.41	91	40909	3.920	ug/L	99
44) trans-1,3-Dichloropropene	7.64	75	3503	0.901	ug/L	88
48) 2-Hexanone	8.17	43	8362	2.957	ug/L #	83
52) Ethylbenzene	9.04	91	30935	2.677	ug/L	94
53) m,p-Xylene	9.16	106	27455	6.380	ug/L	94
54) o-xylene	9.56	106	10299	2.427	ug/L	99
69) Naphthalene	13.53	128	21908	1.994	ug/L	98

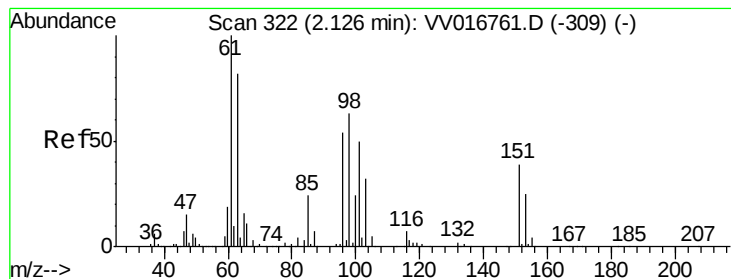
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jun 11 01:04:46 2020
Response via : Initial Calibration





#10

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

Concen: 0.725 ug/L

RT: 2.11 min Scan# 316

Delta R.T. -0.02 min

Lab File: VV016776.D

Acq: 10 Jun 2020 18:01

Instrument :

MSVOA_V

ClientSampled :

F9E02

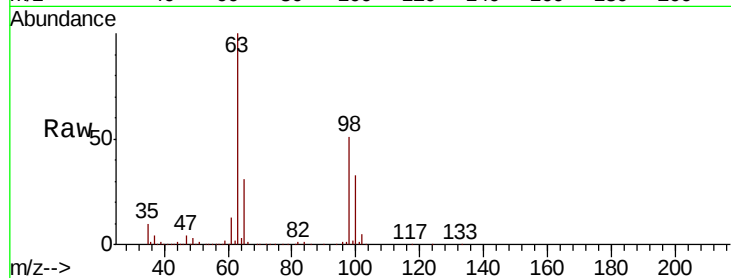
Tot Ion:101 Resp: 1390

Ion Ratio Lower Upper

101 100

85 12.1 35.5 53.3#

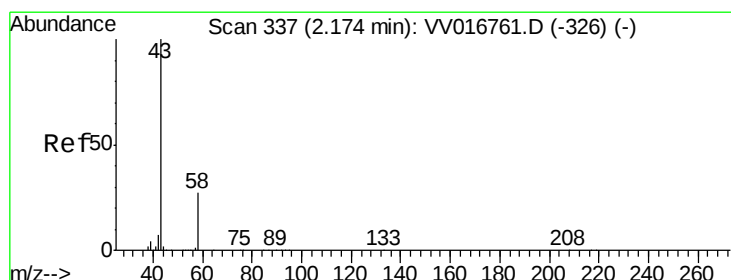
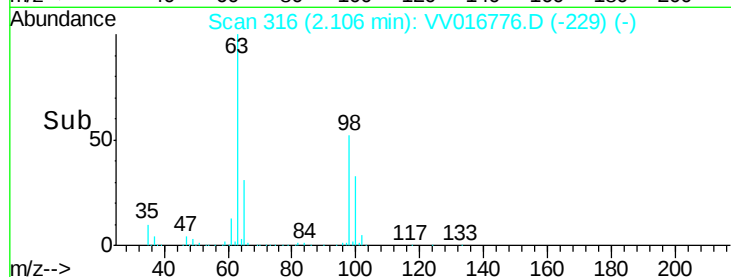
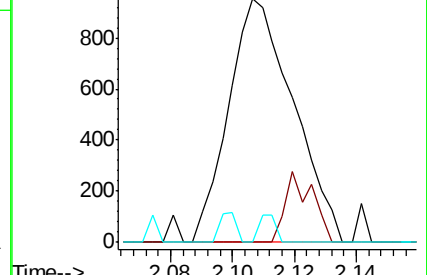
151 2.9 63.9 95.9#



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



#13

Acetone

Concen: 0.955 ug/L

RT: 2.17 min Scan# 336

Delta R.T. -0.00 min

Lab File: VV016776.D

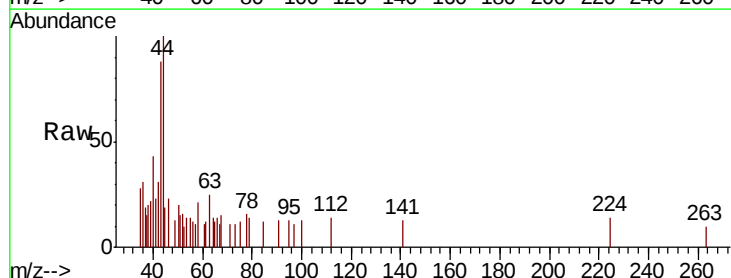
Acq: 10 Jun 2020 18:01

Tgt Ion: 43 Resp: 1186

Ion Ratio Lower Upper

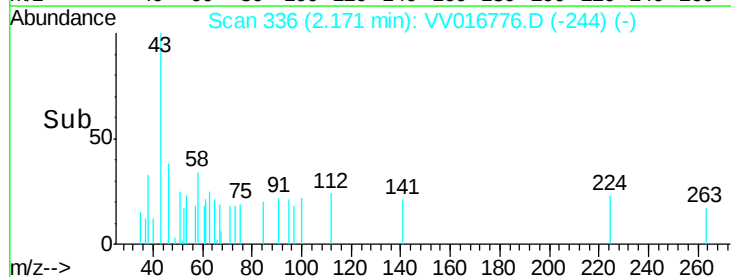
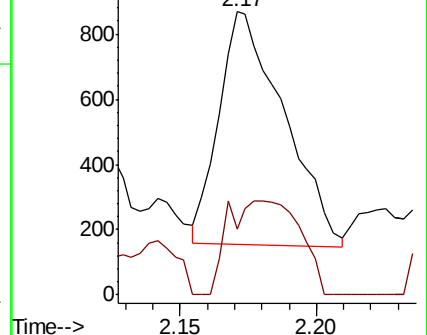
43 100

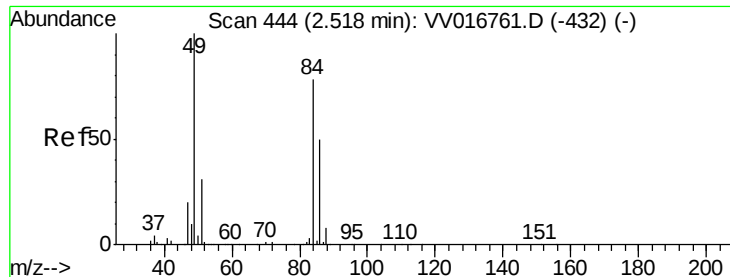
58 9.9 0.0 55.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

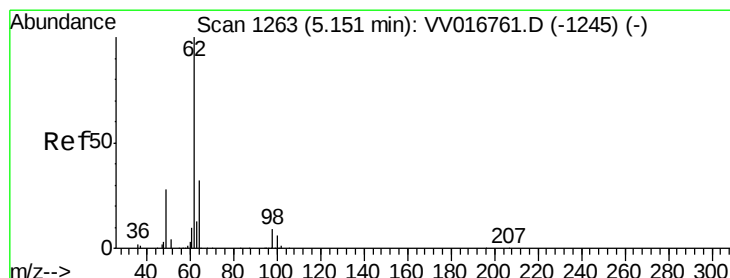
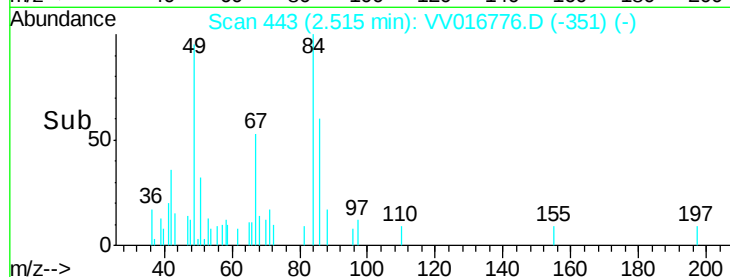
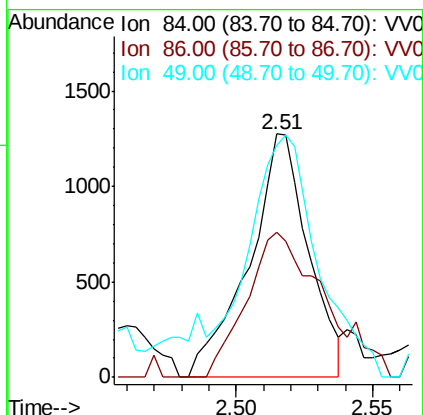
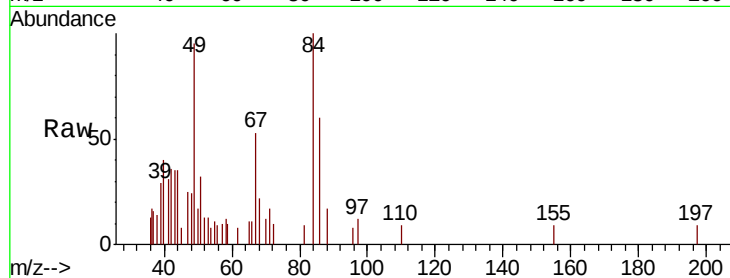




#16
Methylene chloride
Concen: 0.732 ug/L
RT: 2.51 min Scan# 443
Delta R.T. -0.00 min
Lab File: VV016776.D
Acq: 10 Jun 2020 18:01

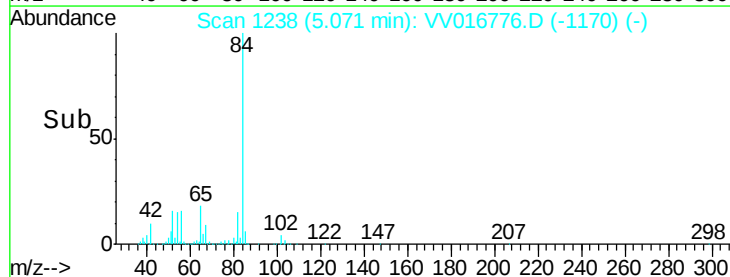
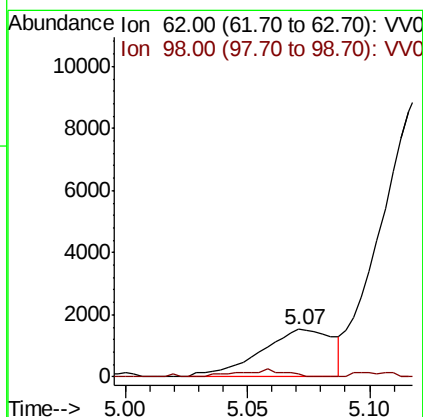
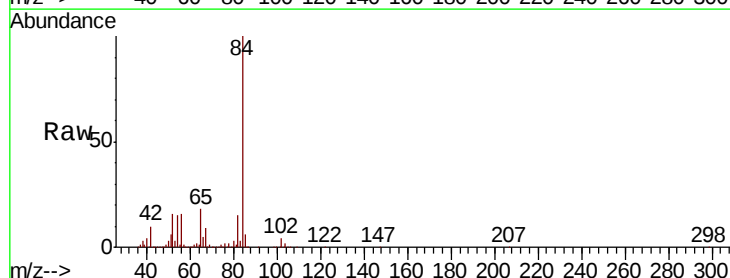
Instrument :
MSVOA_V
ClientSampleId :
F9E02

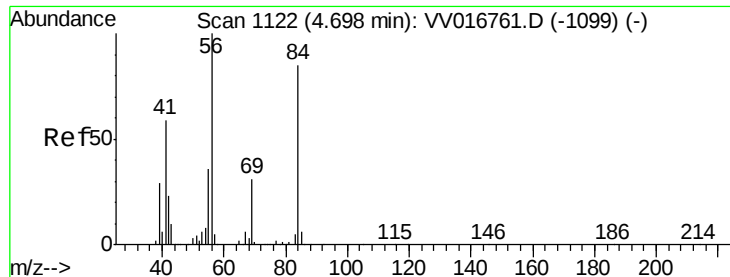
Tot Ion: 84 Resp: 1923
Ion Ratio Lower Upper
84 100
86 59.8 44.0 81.8
49 95.5 90.9 168.9



#27
1,2-Dichloroethane
Concen: 0.805 ug/L
RT: 5.07 min Scan# 1238
Delta R.T. -0.08 min
Lab File: VV016776.D
Acq: 10 Jun 2020 18:01

Tgt Ion: 62 Resp: 3188
Ion Ratio Lower Upper
62 100
98 7.7 7.4 11.2

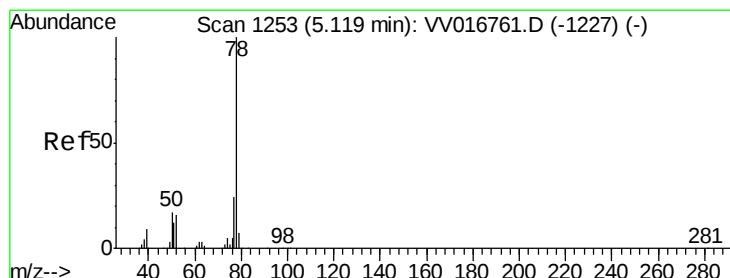
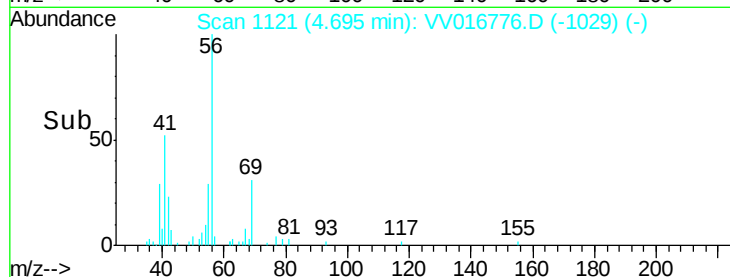
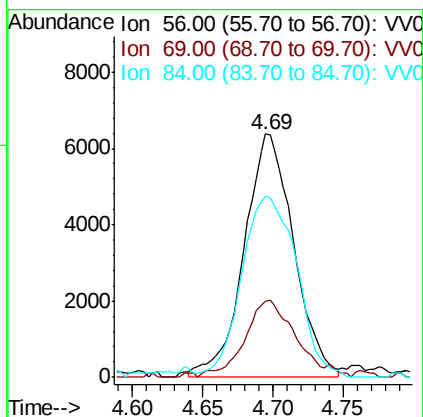
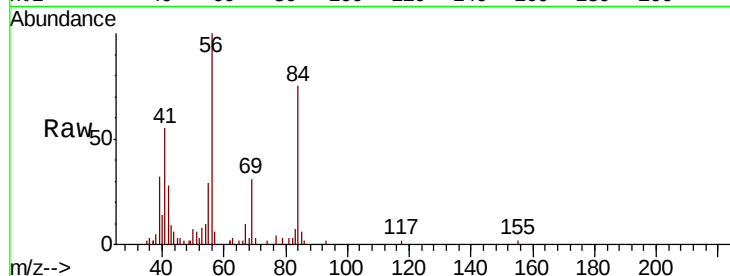




#29
Cyclohexane
Concen: 3.766 ug/L
RT: 4.69 min Scan# 1121
Delta R.T. -0.00 min
Lab File: VV016776.D
Acq: 10 Jun 2020 18:01

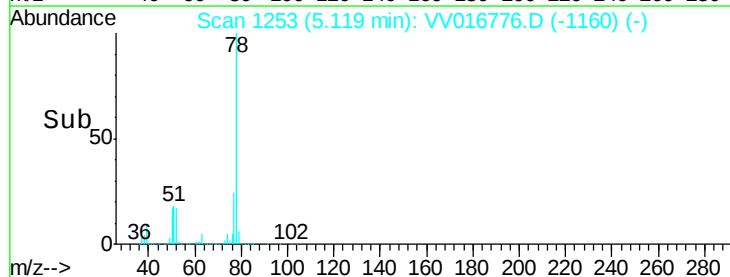
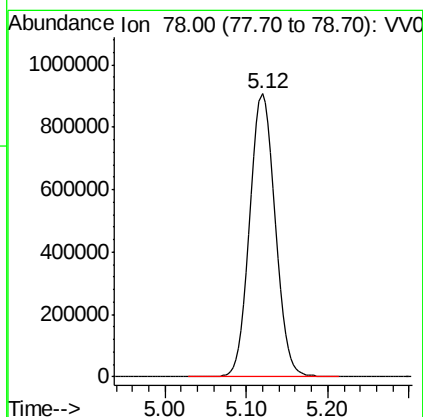
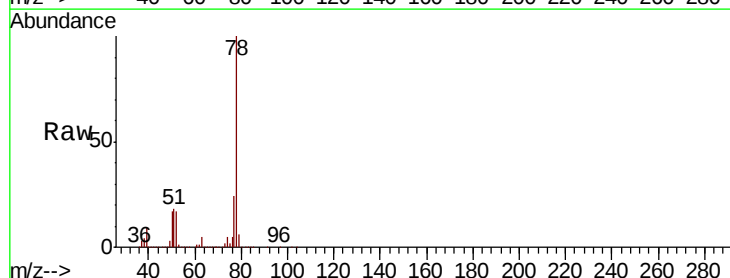
Instrument :
MSVOA_V
ClientSampleId :
F9E02

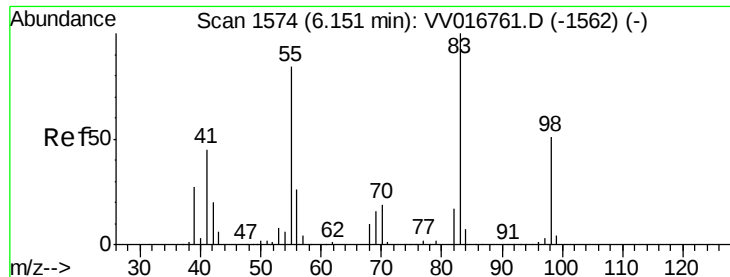
Tot Ion	56	Resp	15657
Ion Ratio	Lower	Upper	
56	100		
69	31.7	25.0	37.4
84	82.8	69.5	104.3



#33
Benzene
Concen: 196.690 ug/L
RT: 5.12 min Scan# 1253
Delta R.T. 0.00 min
Lab File: VV016776.D
Acq: 10 Jun 2020 18:01

Tgt Ion: 78 Resp: 1946930

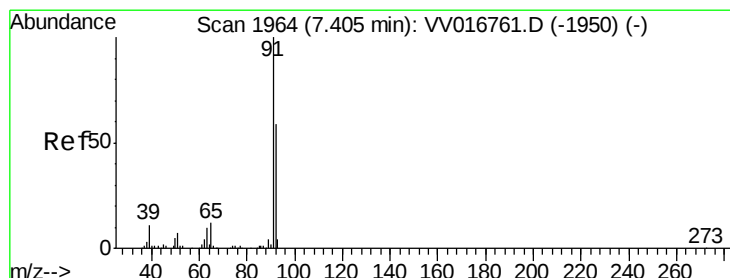
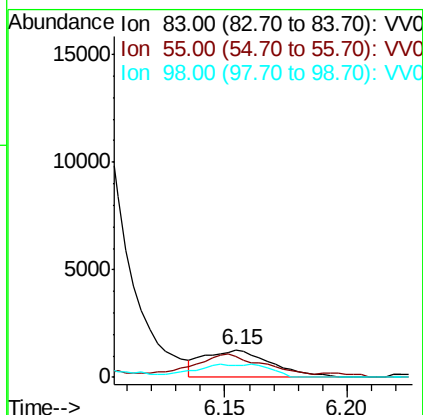
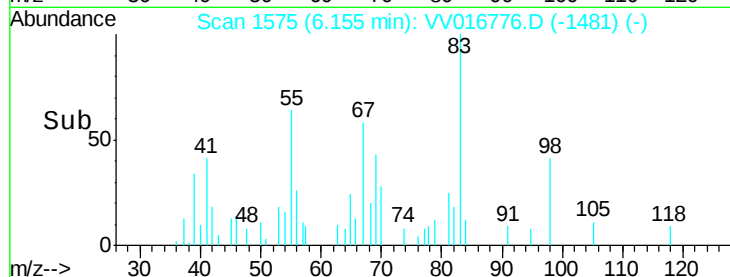
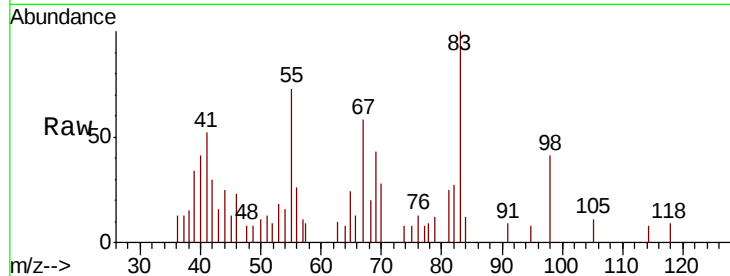




#35
Methvlcvclohexane
Concen: 0.587 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VV016776.D
Acq: 10 Jun 2020 18:01

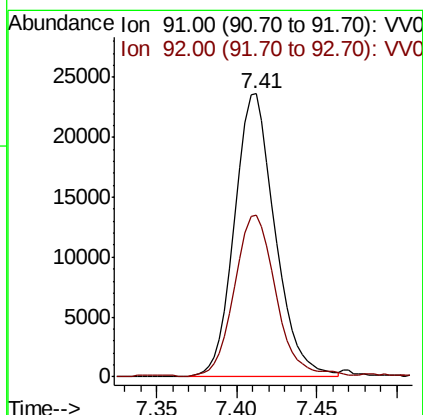
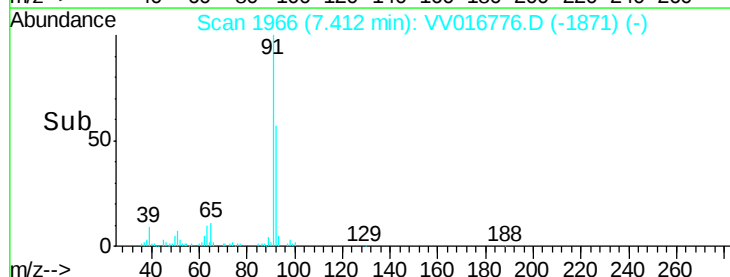
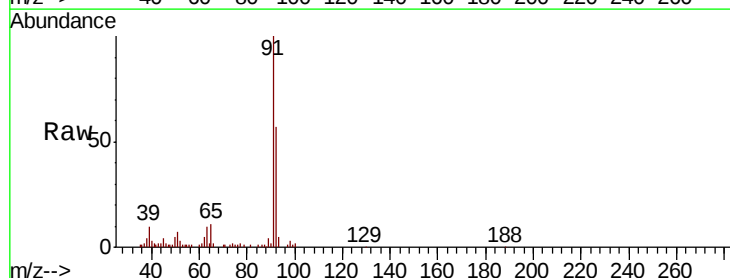
Instrument :
MSVOA_V
ClientSampleId :
F9E02

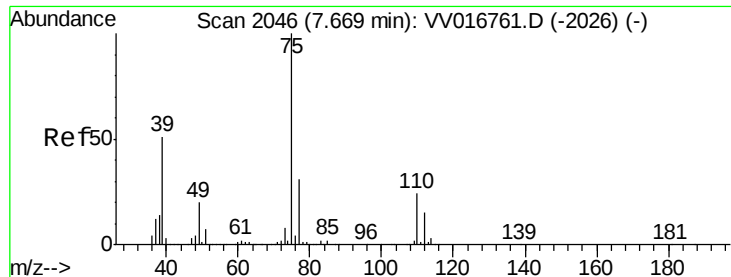
Tot Ion: 83 Resp: 2446
Ion Ratio Lower Upper
83 100
55 94.9 64.2 96.2
98 22.4 40.3 60.5#



#42
Toluene
Concen: 3.920 ug/L
RT: 7.41 min Scan# 1966
Delta R.T. 0.01 min
Lab File: VV016776.D
Acq: 10 Jun 2020 18:01

Tgt Ion: 91 Resp: 40909
Ion Ratio Lower Upper
91 100
92 57.3 40.4 75.0





#44

trans-1,3-Dichloropropene

Concen: 0.901 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. -0.03 min

Lab File: VV016776.D

Acq: 10 Jun 2020 18:01

Instrument :

MSVOA_V

ClientSampleId :

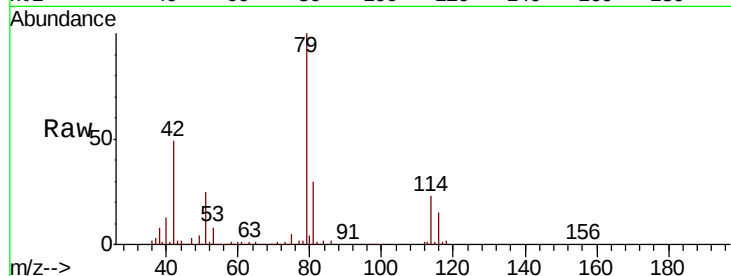
F9E02

Tot Ion: 75 Resp: 3503

Ion Ratio Lower Upper

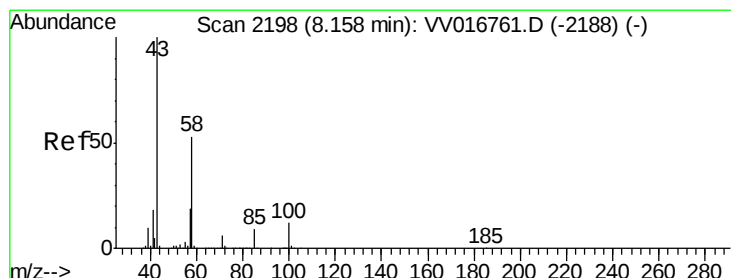
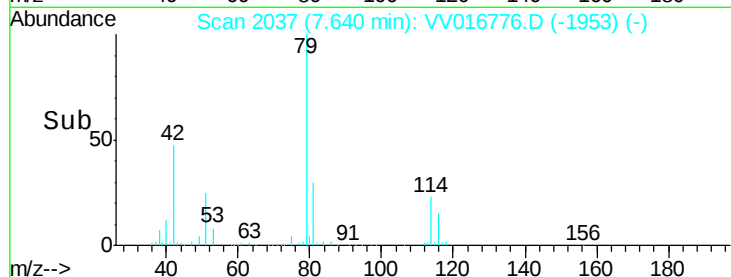
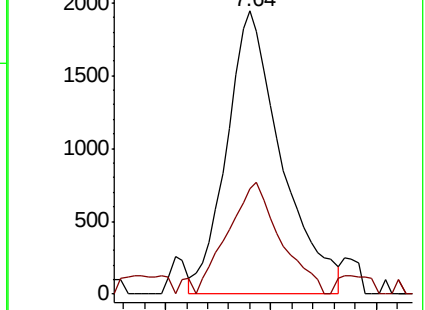
75 100

77 37.4 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV016776.D (-1953) (-)

Ion 77.00 (76.70 to 77.70): VV016776.D (-1953) (-)



#48

2-Hexanone

Concen: 2.957 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.01 min

Lab File: VV016776.D

Acq: 10 Jun 2020 18:01

Tgt Ion: 43 Resp: 8362

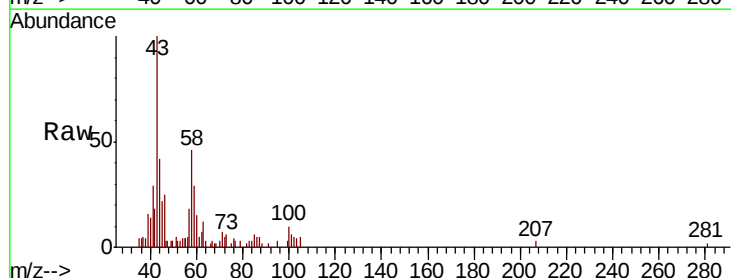
Ion Ratio Lower Upper

43 100

58 42.4 43.1 64.7#

57 5.2 15.3 22.9#

100 13.1 10.0 15.0

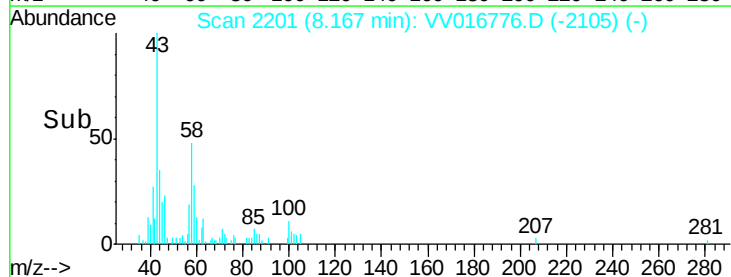
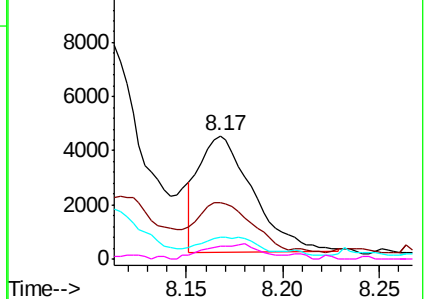


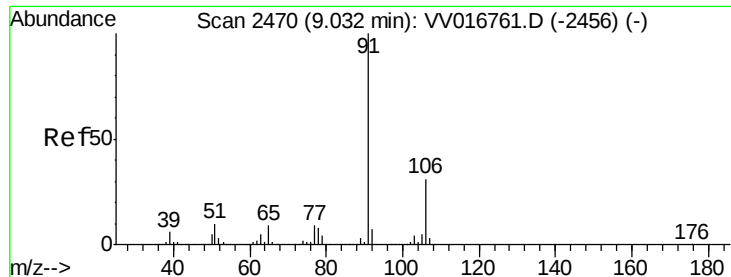
Abundance Ion 43.00 (42.70 to 43.70): VV016776.D (-2105) (-)

Ion 58.00 (57.70 to 58.70): VV016776.D (-2105) (-)

Ion 57.00 (56.70 to 57.70): VV016776.D (-2105) (-)

Ion 100.00 (99.70 to 100.70): VV016776.D (-2105) (-)





#52

Ethylbenzene

Concen: 2.677 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV016776.D

Acq: 10 Jun 2020 18:01

Instrument :

MSVOA_V

ClientSampled :

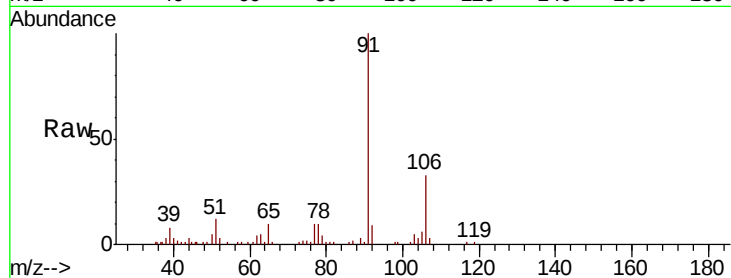
F9E02

Tot Ion: 91 Resp: 30935

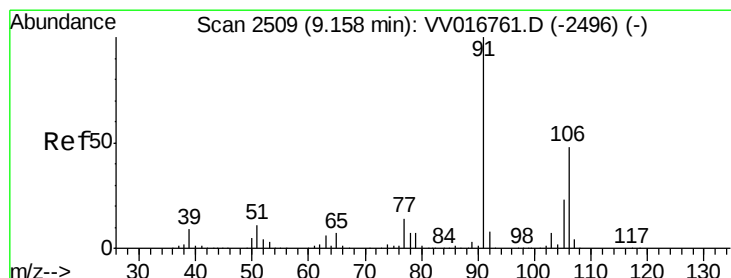
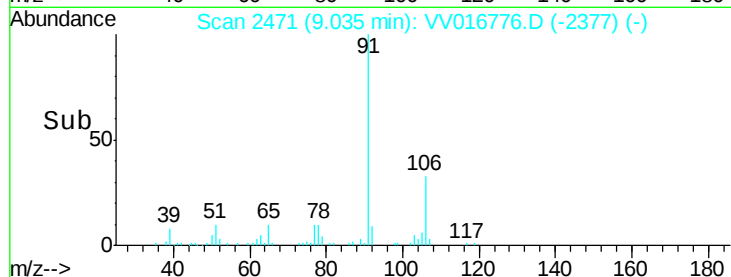
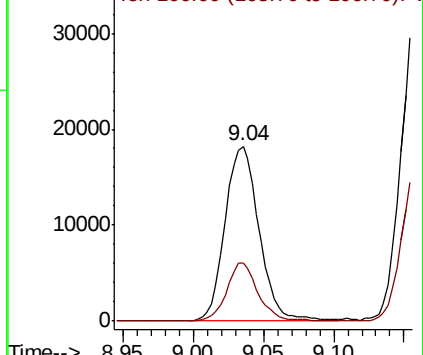
Ion Ratio Lower Upper

91 100

106 33.4 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VV016776.D (-2377) (-)



#53

m,p-Xylene

Concen: 6.380 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV016776.D

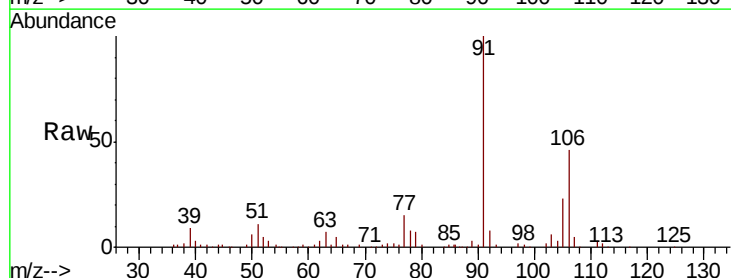
Acq: 10 Jun 2020 18:01

Tgt Ion: 106 Resp: 27455

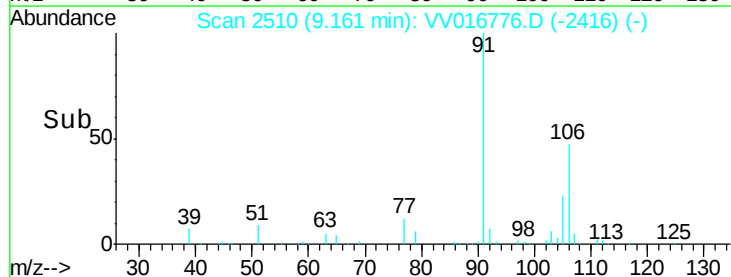
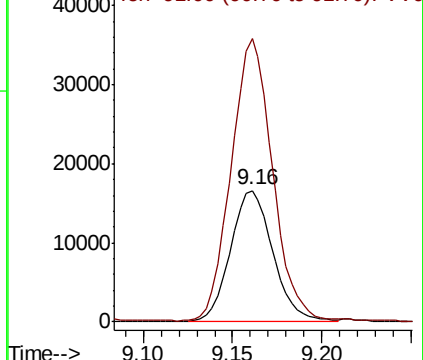
Ion Ratio Lower Upper

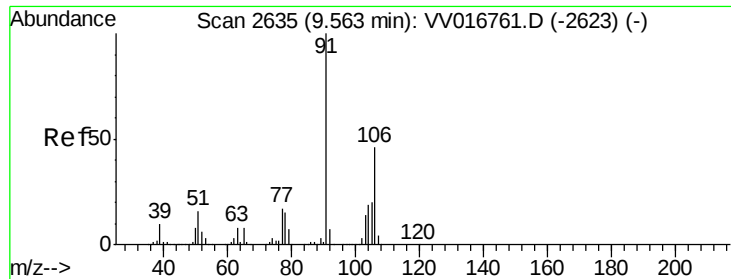
106 100

91 216.0 144.6 268.6



Abundance Ion 106.00 (105.70 to 106.70): VV016776.D (-2416) (-)





#54

o-xylene

Concen: 2.427 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV016776.D

Acq: 10 Jun 2020 18:01

Instrument :

MSVOA_V

ClientSampleId :

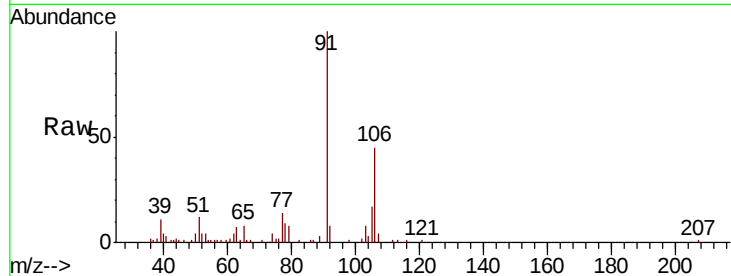
F9E02

Tot Ion:106 Resp: 10299

Ion Ratio Lower Upper

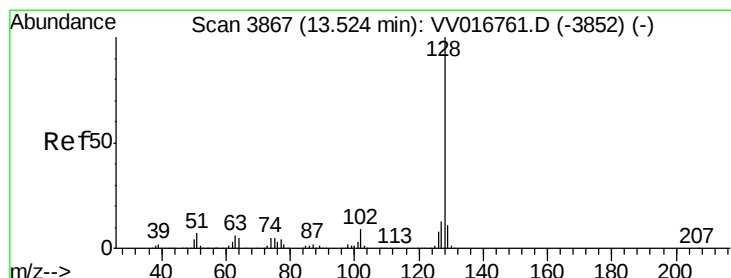
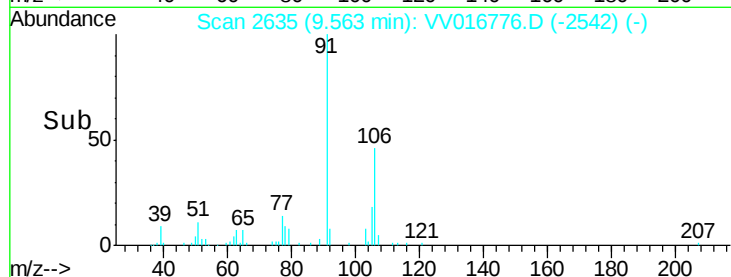
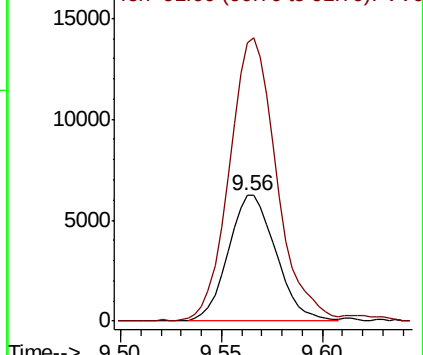
106 100

91 221.3 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#69

Naphthalene

Concen: 1.994 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV016776.D

Acq: 10 Jun 2020 18:01

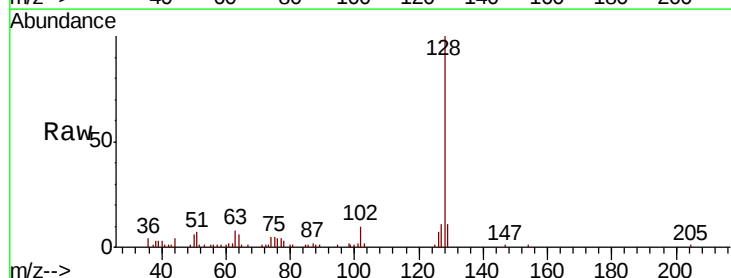
Tgt Ion:128 Resp: 21908

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

129 12.5 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

