

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060820\
 Data File : VV016667.D
 Acq On : 08 Jun 2020 18:12
 Operator : SY/MD
 Sample : L2861-09DL 100X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9E41DL

Quant Time: Jun 09 01:09:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 09 01:02:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	371657	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	345953	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	174478	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	113056	43.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.22%
7) Chloroethane-d5	1.55	69	76370	48.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.06%
11) 1,1-Dichloroethene-d2	2.11	63	149720	34.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.00%
21) 2-Butanone-d5	3.89	46	181601	93.56	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.56%
24) Chloroform-d	4.37	84	236463	44.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.68%
26) 1,2-Dichloroethane-d4	5.05	65	170808	47.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.18%
32) Benzene-d6	5.07	84	474104	47.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.08%
36) 1,2-Dichloropropane-d6	6.09	67	147149	47.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.68%
41) Toluene-d8	7.34	98	424880	46.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.86%
43) trans-1,3-Dichloropropene-	7.64	79	69423	42.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.76%
47) 2-Hexanone-d5	8.11	63	129396	95.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.48%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	198728	48.29	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.58%
64) 1,2-Dichlorobenzene-d4	11.65	152	183366	49.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.50%

Target Compounds

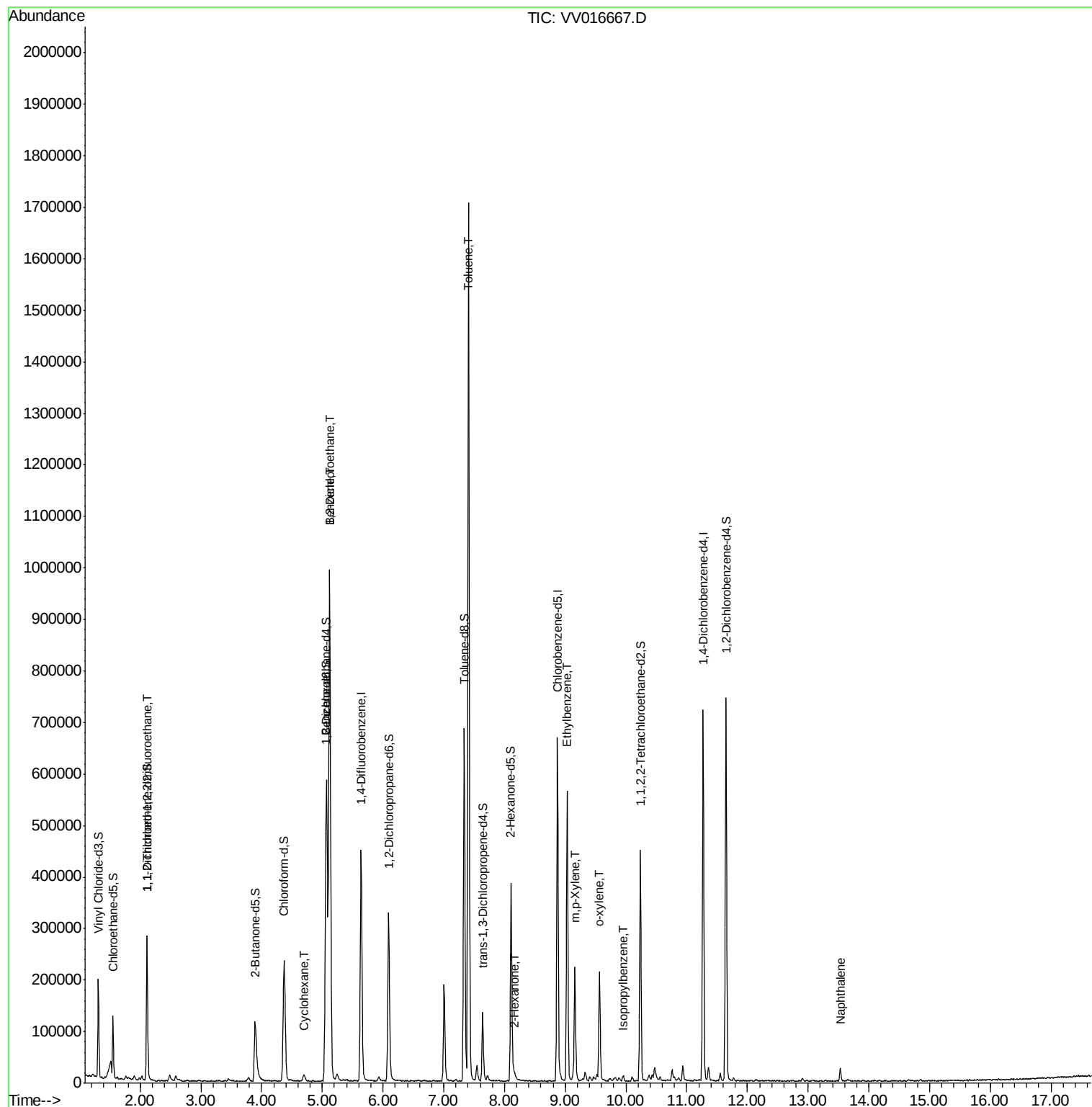
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1409	0.713	ug/L #	26
27) 1,2-Dichloroethane	5.12	62	8894	2.181	ug/L #	74
29) Cyclohexane	4.70	56	6655	1.548	ug/L #	94
33) Benzene	5.12	78	962942	94.076	ug/L	100
42) Toluene	7.41	91	1181207	109.468	ug/L	98
48) 2-Hexanone	8.17	43	7391	2.527	ug/L #	83
52) Ethylbenzene	9.03	91	376950	31.539	ug/L	100
53) m,p-Xylene	9.16	106	58952	13.248	ug/L	98
54) o-xylene	9.57	106	54298	12.372	ug/L	96
56) Isopropylbenzene	9.96	105	6372	0.540	ug/L #	93
69) Naphthalene	13.53	128	17812	1.638	ug/L	98

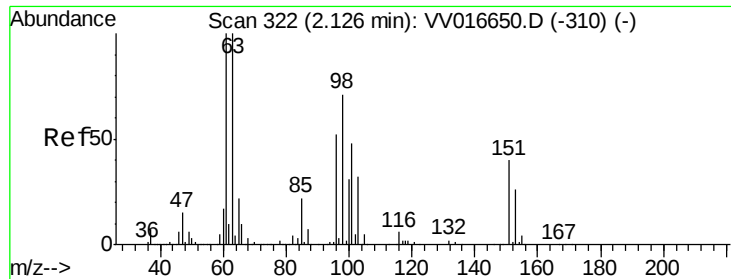
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jun 09 01:02:25 2020
Response via : Initial Calibration





#10

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

Concen: 0.713 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV016667.D

Acq: 08 Jun 2020 18:12

Instrument :

MSVOA_V

ClientSampleId :

F9E41DL

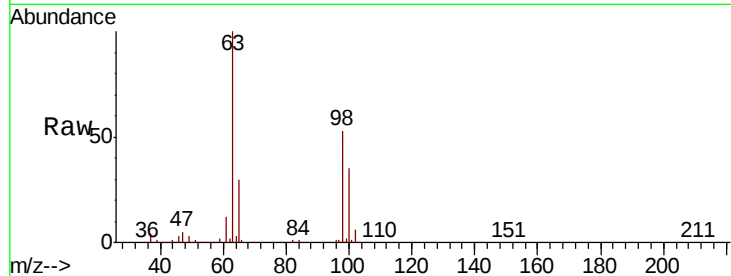
Tot Ion:101 Resp: 1409

Ion Ratio Lower Upper

101 100

85 6.5 35.5 53.3#

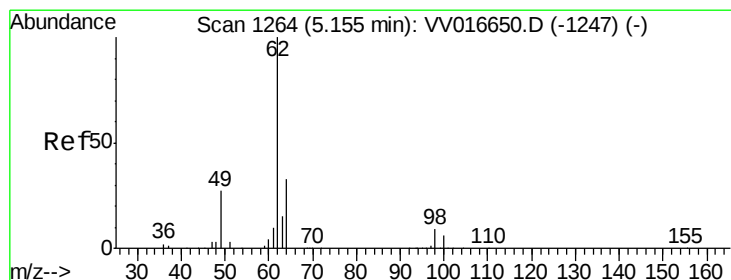
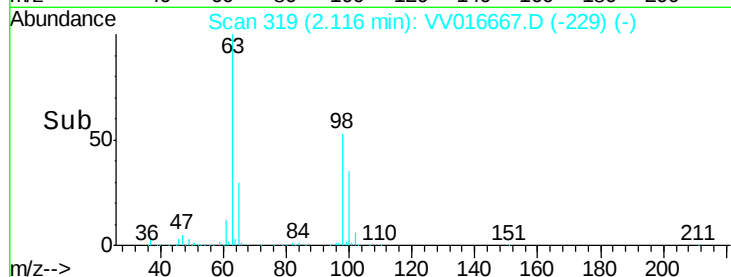
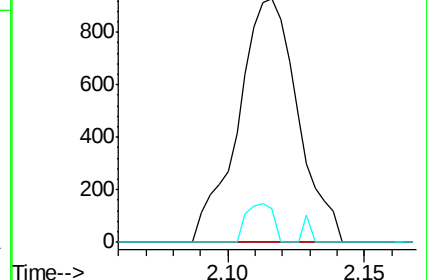
151 7.1 63.9 95.9#



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: 2.181 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. -0.03 min

Lab File: VV016667.D

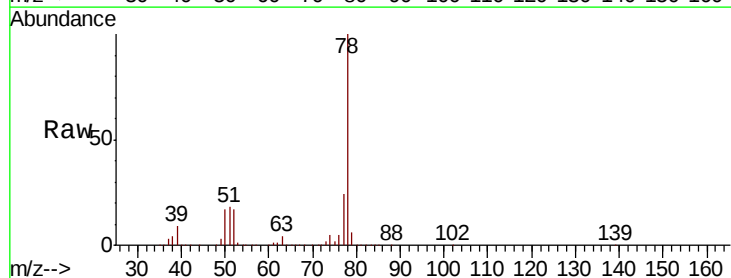
Acq: 08 Jun 2020 18:12

Tgt Ion: 62 Resp: 8894

Ion Ratio Lower Upper

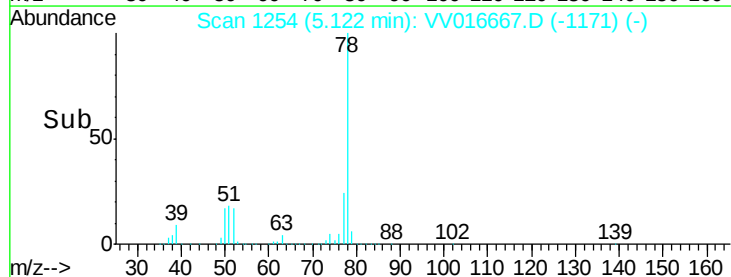
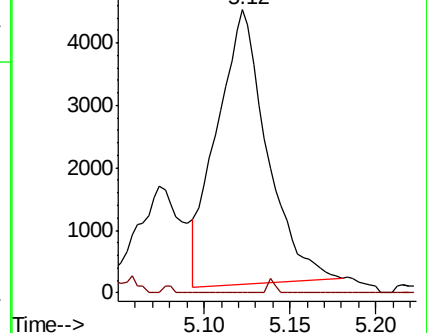
62 100

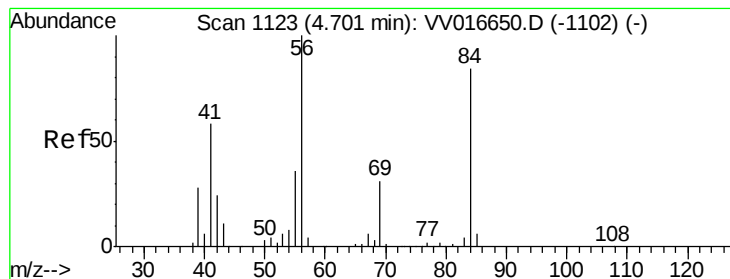
98 0.0 7.4 11.2#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#29

Cyclohexane

Concen: 1.548 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV016667.D

Acq: 08 Jun 2020 18:12

Instrument :

MSVOA_V

ClientSampleId :

F9E41DL

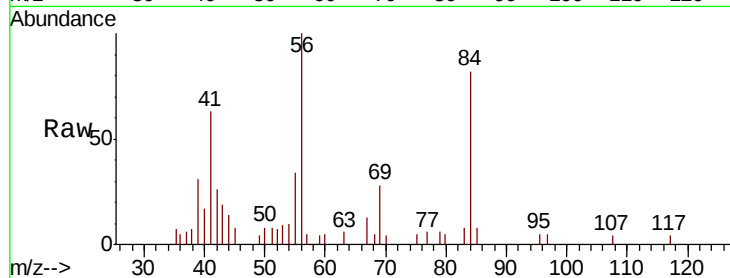
Tot Ion: 56 Resp: 6655

Ion Ratio Lower Upper

56 100

69 21.5 25.0 37.4#

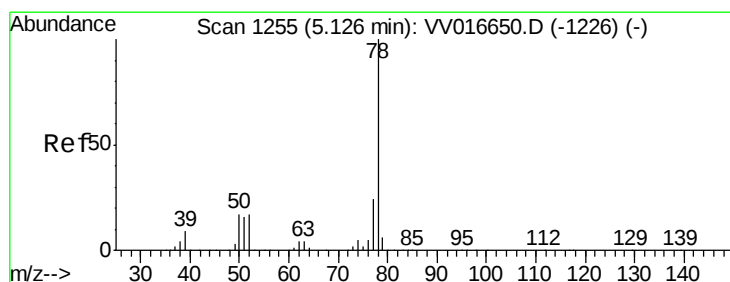
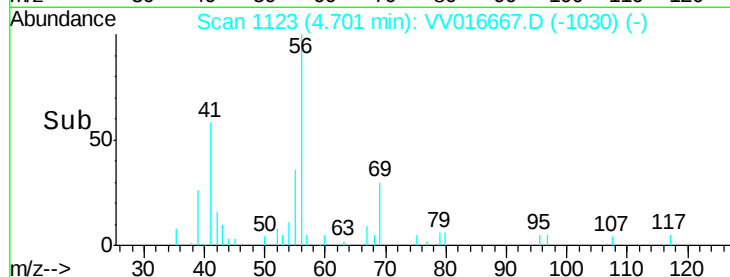
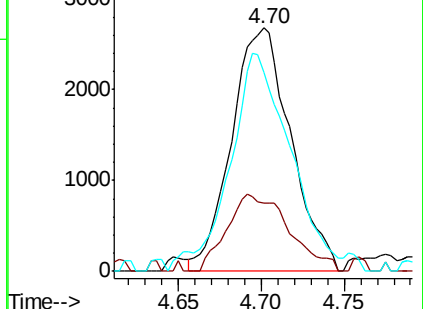
84 88.1 69.5 104.3



Abundance Ion 56.00 (55.70 to 56.70): VV016667.D (-1030) (-)

Ion 69.00 (68.70 to 69.70): VV016667.D (-1030) (-)

Ion 84.00 (83.70 to 84.70): VV016667.D (-1030) (-)



#33

Benzene

Concen: 94.076 ug/L

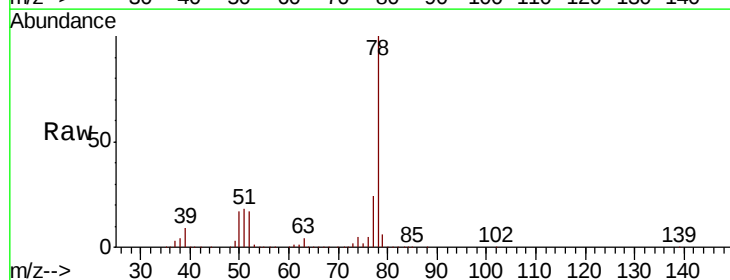
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

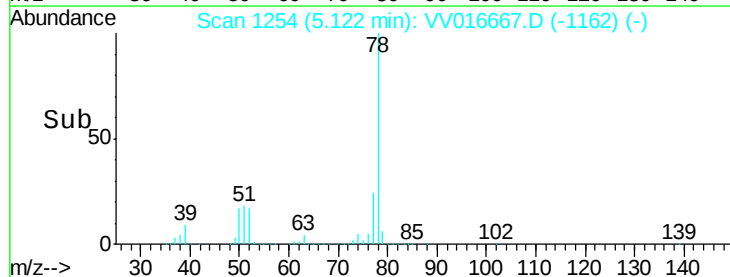
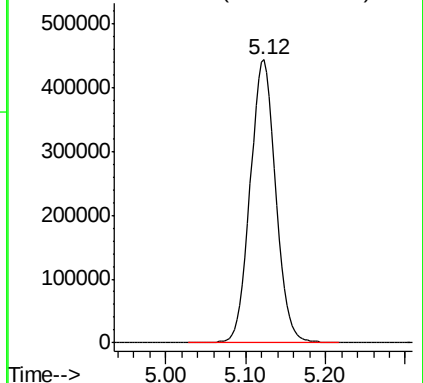
Lab File: VV016667.D

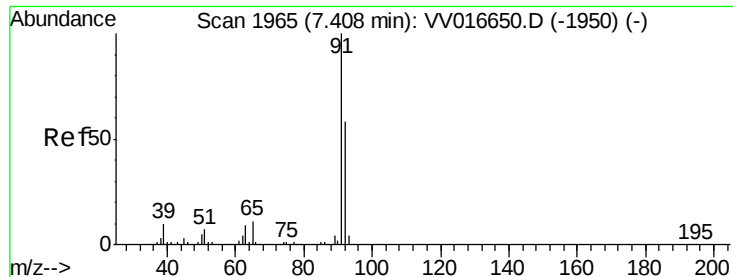
Acq: 08 Jun 2020 18:12

Tgt Ion: 78 Resp: 962942



Abundance Ion 78.00 (77.70 to 78.70): VV016667.D (-1162) (-)





#42

Toluene

Concen: 109.468 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016667.D

Acq: 08 Jun 2020 18:12

Instrument :

MSVOA_V

ClientSampleId :

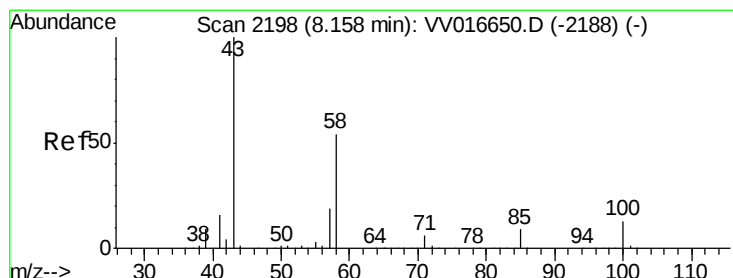
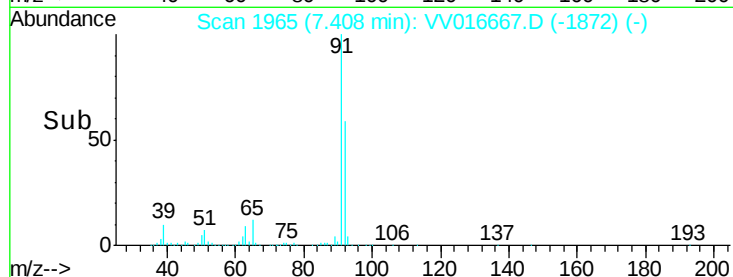
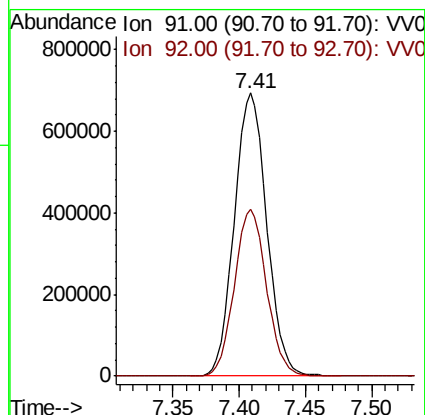
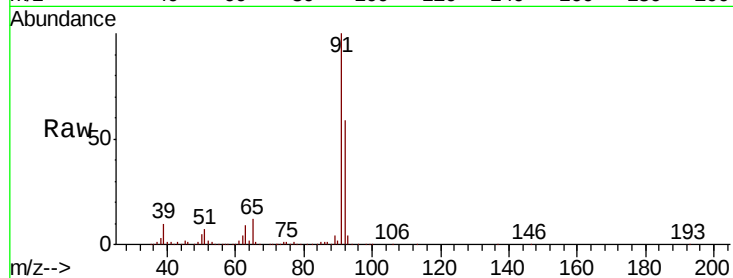
F9E41DL

Tot Ion: 91 Resp: 1181207

Ion Ratio Lower Upper

91 100

92 59.2 40.4 75.0



#48

2-Hexanone

Concen: 2.527 ug/L

RT: 8.17 min Scan# 2202

Delta R.T. 0.01 min

Lab File: VV016667.D

Acq: 08 Jun 2020 18:12

Tgt Ion: 43 Resp: 7391

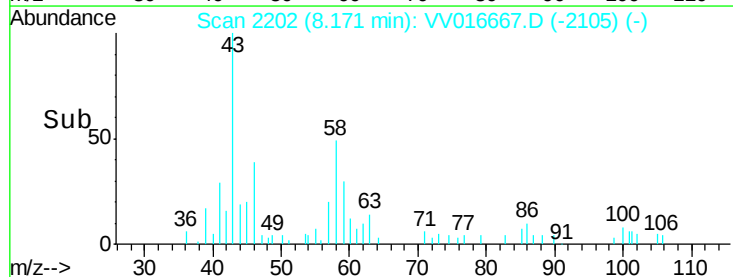
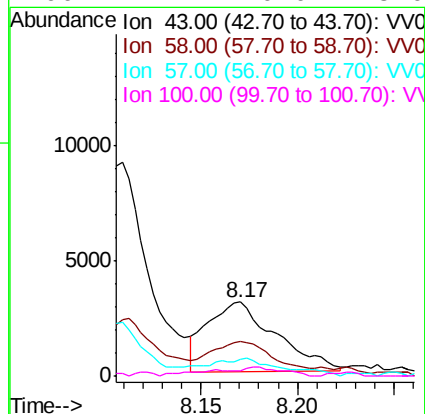
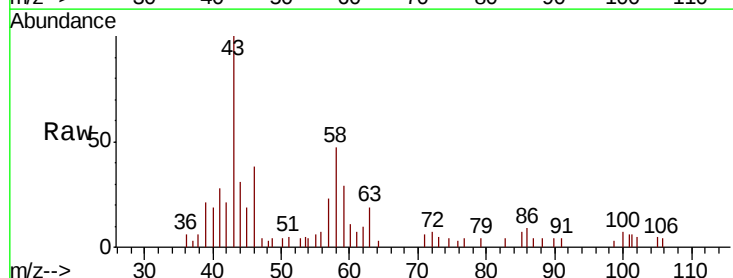
Ion Ratio Lower Upper

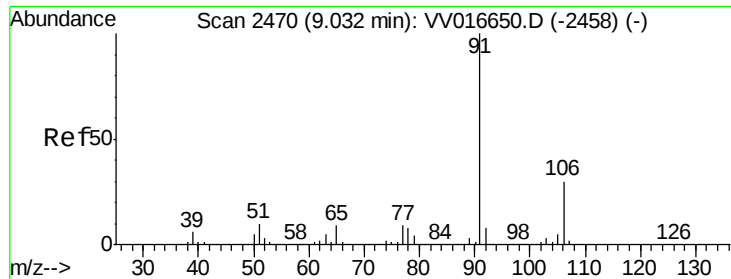
43 100

58 45.6 43.1 64.7

57 7.8 15.3 22.9#

100 1.7 10.0 15.0#

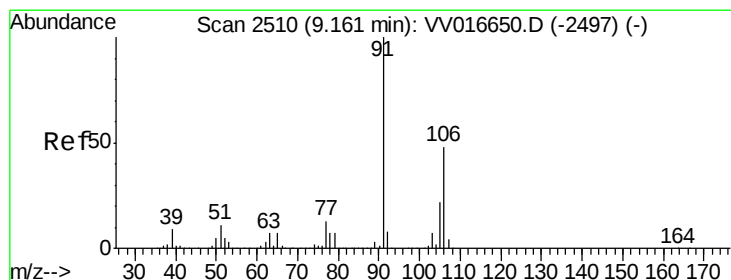
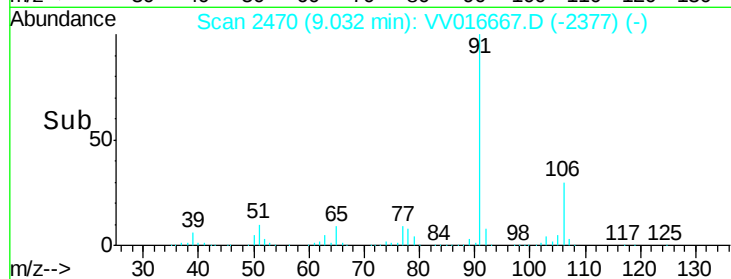
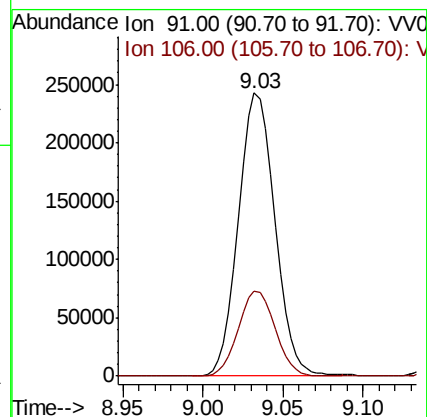
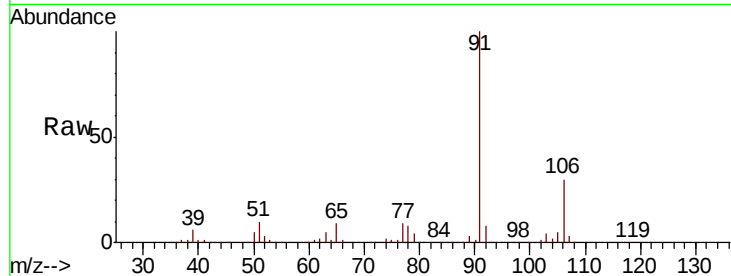




#52
Ethylbenzene
Concen: 31.539 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV016667.D
Acq: 08 Jun 2020 18:12

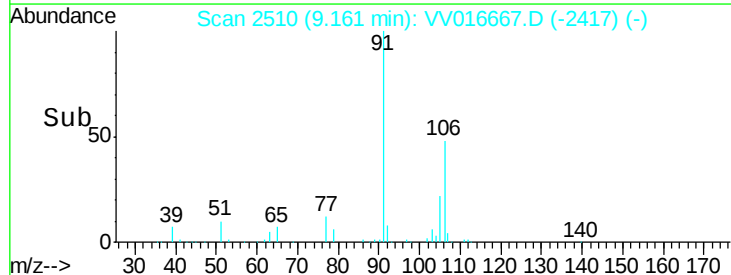
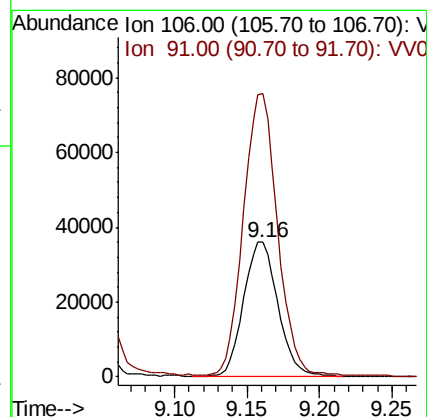
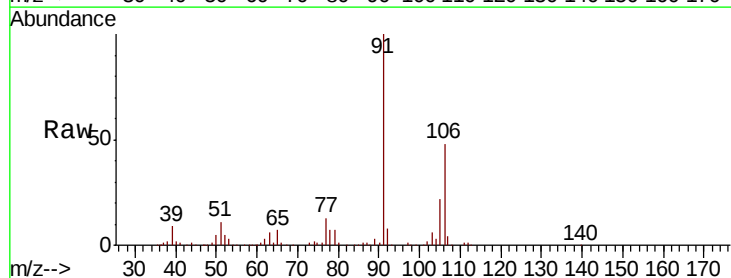
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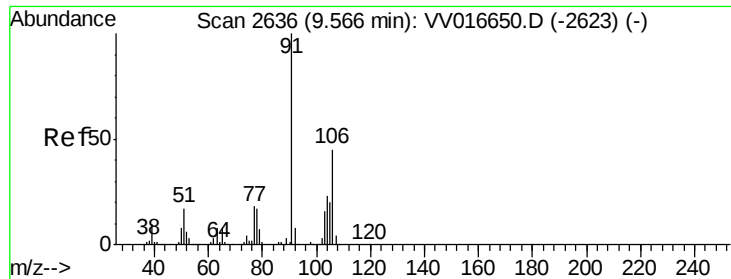
Tot Ion: 91 Resp: 376950
Ion Ratio Lower Upper
91 100
106 30.2 21.1 39.1



#53
m,p-Xylene
Concen: 13.248 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV016667.D
Acq: 08 Jun 2020 18:12

Tgt Ion: 106 Resp: 58952
Ion Ratio Lower Upper
106 100
91 210.3 144.6 268.6

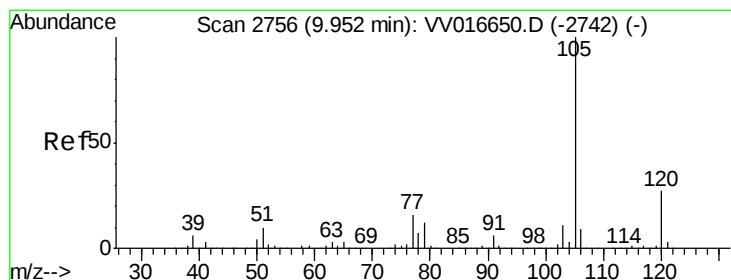
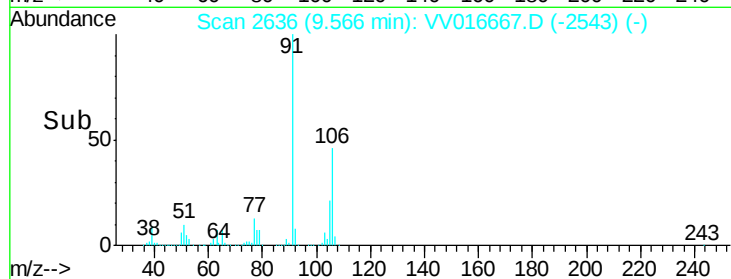
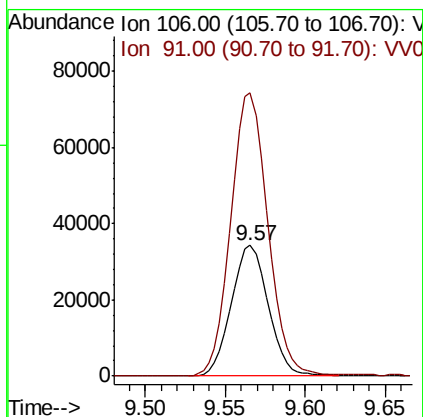
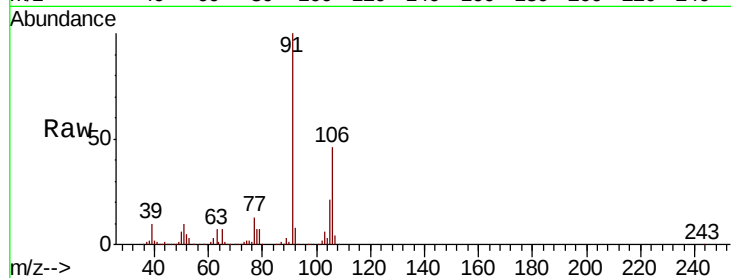




#54
o-xylene
Concen: 12.372 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV016667.D
Acq: 08 Jun 2020 18:12

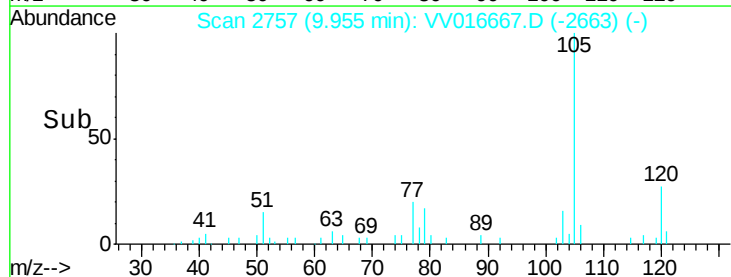
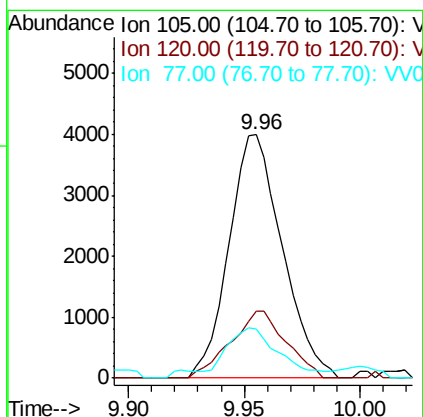
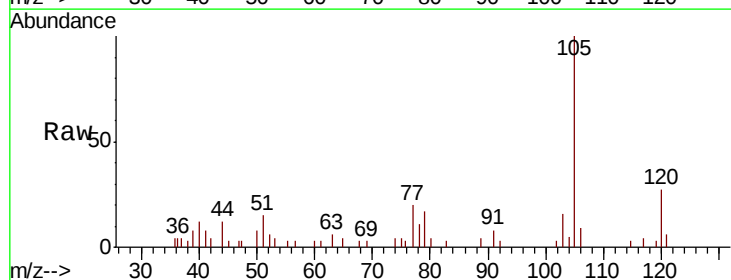
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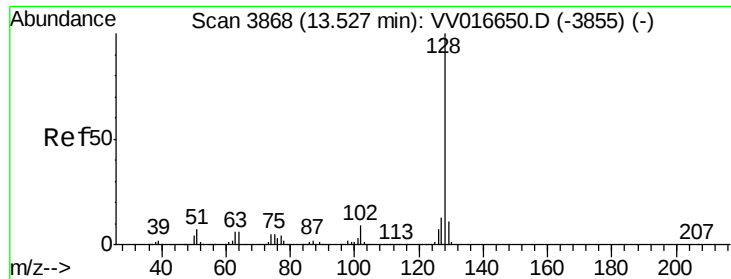
Tot Ion:106 Resp: 54298
Ion Ratio Lower Upper
106 100
91 216.1 155.9 289.5



#56
Isopropylbenzene
Concen: 0.540 ug/L
RT: 9.96 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VV016667.D
Acq: 08 Jun 2020 18:12

Tgt Ion:105 Resp: 6372
Ion Ratio Lower Upper
105 100
120 28.6 21.2 31.8
77 20.7 13.0 19.4#





#69

Naphthalene

Concen: 1.638 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.00 min

Lab File: VV016667.D

Acq: 08 Jun 2020 18:12

Instrument :

MSVOA_V

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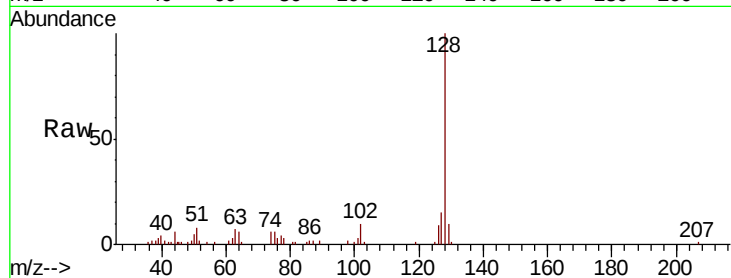
Tot Ion:128 Resp: 17812

Ion Ratio Lower Upper

128 100

127 14.2 10.5 15.7

129 11.2 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

15000 Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

