

Data File : VV016567.D
Acq On : 06 Jun 2020 04:27
Operator : SY/MD
Sample : L2862-13
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F9E07

Manual Integrations
APPROVED

sam
6/6/2020 11:33:03 AM

Quant Time: Jun 06 07:34:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 06 06:28:49 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	380281	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	374263	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	195169	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	109639	40.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.40%
7) Chloroethane-d5	1.56	69	91367	46.99	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.98%
11) 1,1-Dichloroethene-d2	2.12	63	161785	33.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.76%
21) 2-Butanone-d5	3.90	46	193796	112.52	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.52%
24) Chloroform-d	4.38	84	251348	49.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.46%
26) 1,2-Dichloroethane-d4	5.10	65	184970	54.65	ug/L	0.05
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.30%
32) Benzene-d6	5.09	84	472427	47.12	ug/L	0.02
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.24%
36) 1,2-Dichloropropane-d6	6.09	67	149437	47.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.68%
41) Toluene-d8	7.34	98	457639	50.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.52%
43) trans-1,3-Dichloropropene-	7.64	79	73951	48.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.16%
47) 2-Hexanone-d5	8.11	63	149664	111.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.87%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	199280	47.04	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.08%
64) 1,2-Dichlorobenzene-d4	11.65	152	193450	52.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.48%

Target Compounds

					Qvalue
13) Acetone	2.17	43	7516	4.669 ug/L	80
29) Cyclohexane	4.70	56	904769	203.684 ug/L	100
33) Benzene	5.12	78	52634195m	4781.878 ug/L	
35) Methylcyclohexane	6.15	83	59224	14.286 ug/L	95
40) 4-Methyl-2-pentanone	7.25	43	14565	3.690 ug/L #	75
42) Toluene	7.42	91	13559546	1162.560 ug/L	93
52) Ethylbenzene	9.03	91	17943696m	1413.514 ug/L	
53) m,p-Xylene	9.16	106	1220080	254.892 ug/L	99
54) o-xylene	9.57	106	1815314	391.585 ug/L	99
56) Isopropylbenzene	9.96	105	406818	33.785 ug/L	99

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

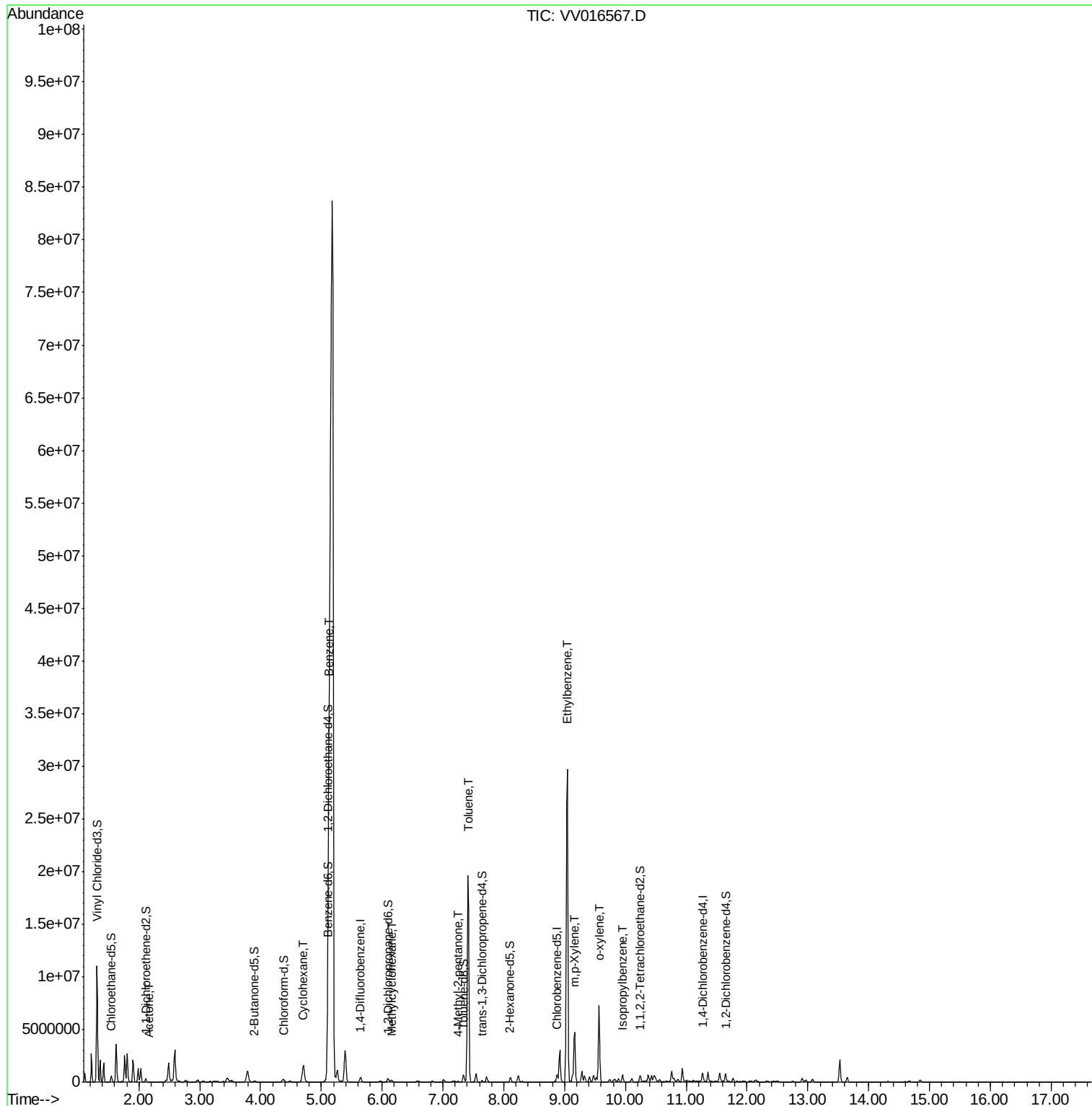
Data File : VV016567.D
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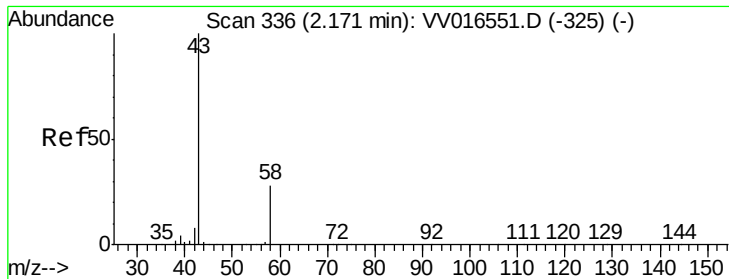
Instrument :
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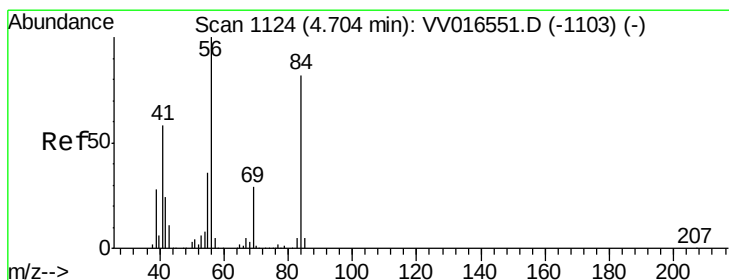
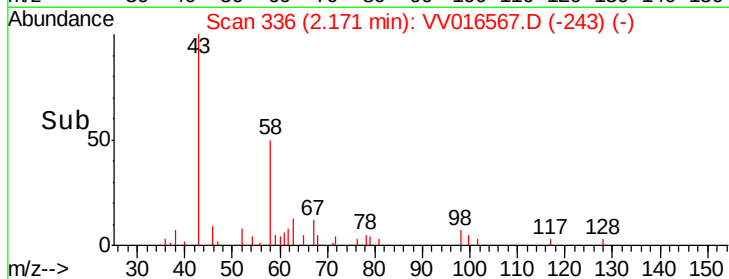
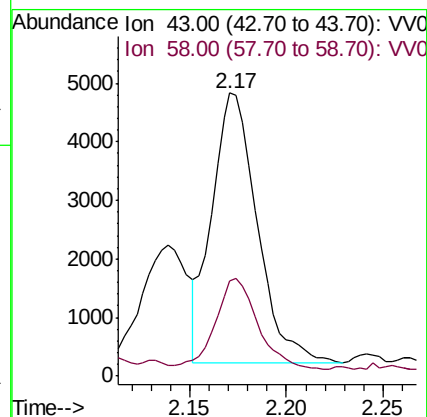
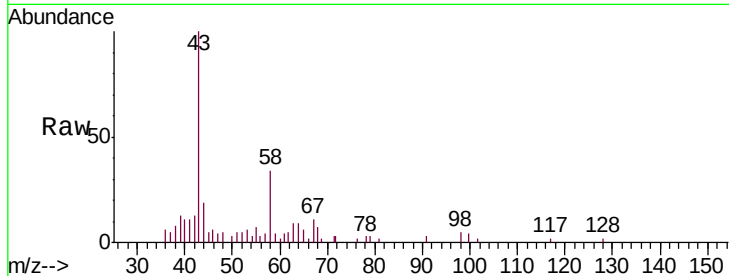
#13
Acetone
Concen: 4.669 ug/L
RT: 2.17 min Scan# 336
Delta R.T. 0.00 min
Lab File: VV016567.D
Acq: 06 Jun 2020 04:27

Instrument :
MSVOA_V
ClientSampled :
F9E07

Tgt Ion: 43 Resp: 7516
Ion Ratio Lower Upper
43 100
58 39.1 0.0 57.2

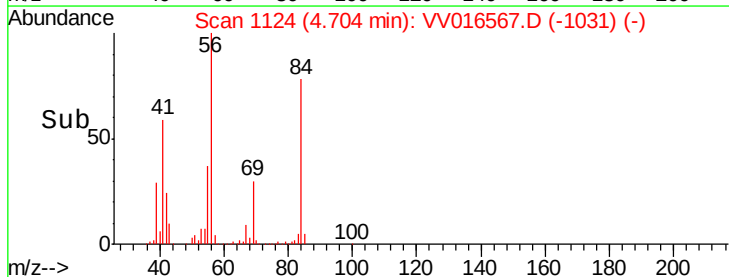
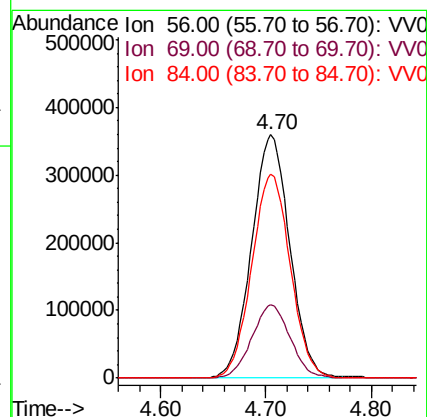
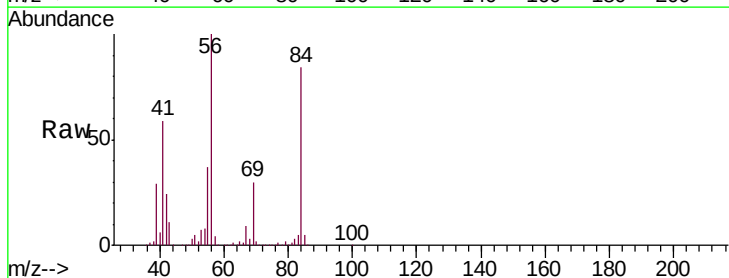
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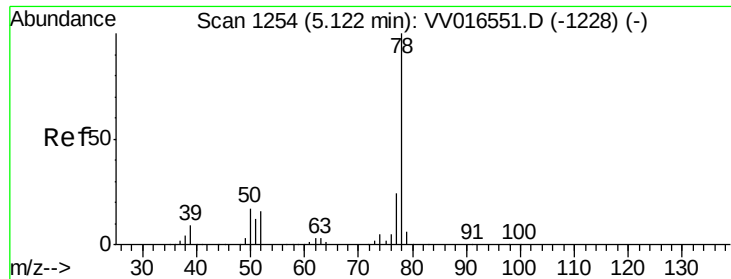
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#29
Cyclohexane
Concen: 203.684 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV016567.D
Acq: 06 Jun 2020 04:27

Tgt Ion: 56 Resp: 904769
Ion Ratio Lower Upper
56 100
69 30.2 23.9 35.9
84 84.9 68.2 102.2





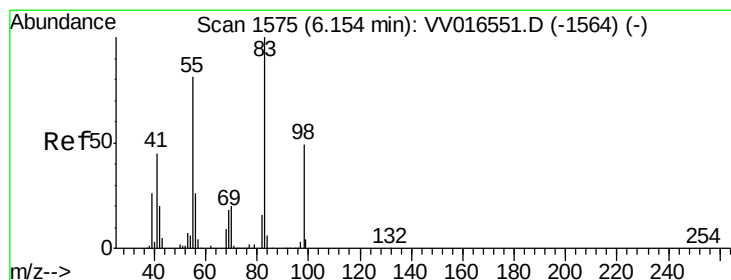
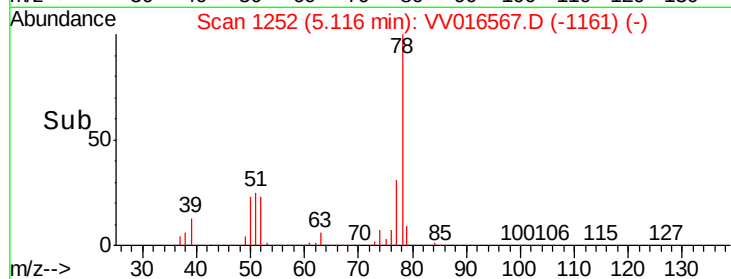
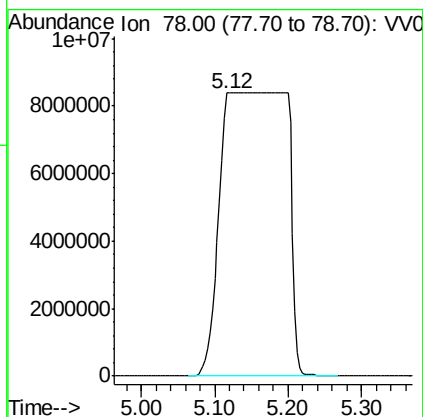
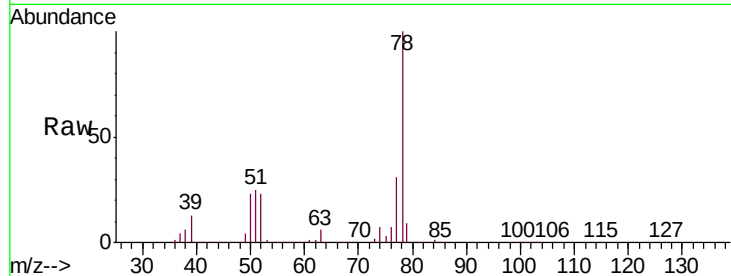
#33
Benzene
Concen: 4781.878 ug/L m
RT: 5.12 min Scan# 1252
Delta R.T. -0.01 min
Lab File: VV016567.D
Acq: 06 Jun 2020 04:27

Instrument :
MSVOA_V
ClientSampleId :
F9E07

Tgt Ion: 78 Resp:52634195

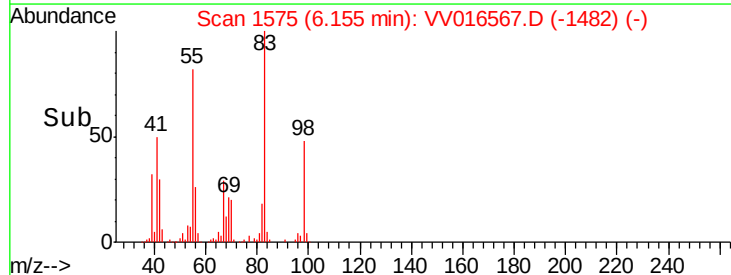
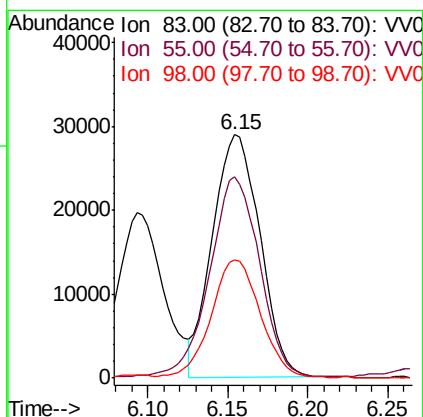
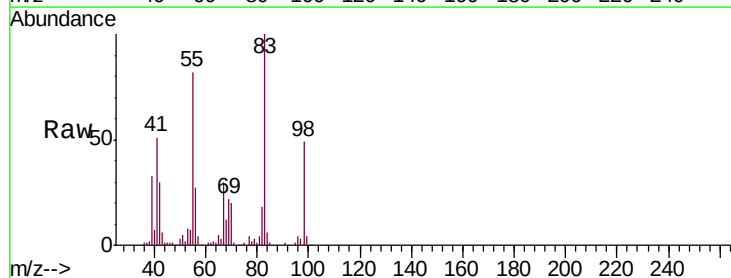
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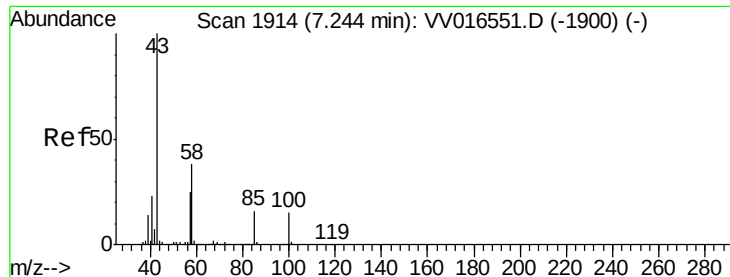
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#35
Methylcyclohexane
Concen: 14.286 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VV016567.D
Acq: 06 Jun 2020 04:27

Tgt Ion: 83 Resp: 59224
Ion Ratio Lower Upper
83 100
55 85.6 63.4 95.0
98 50.4 39.4 59.0





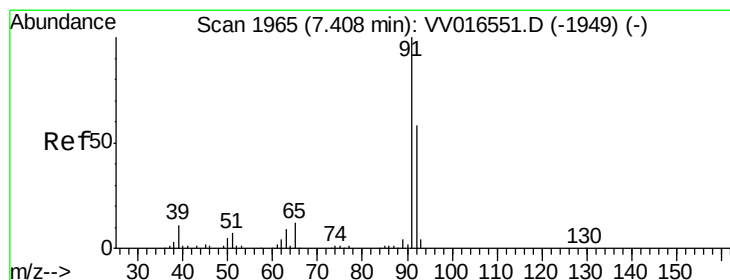
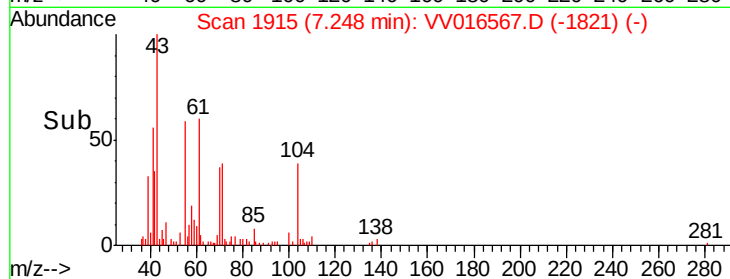
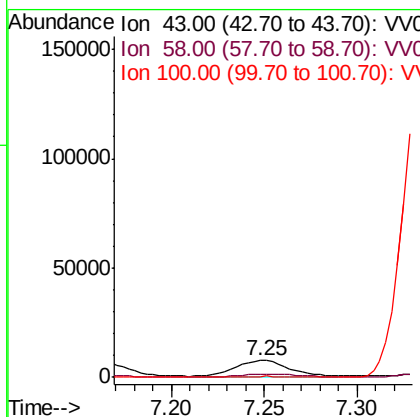
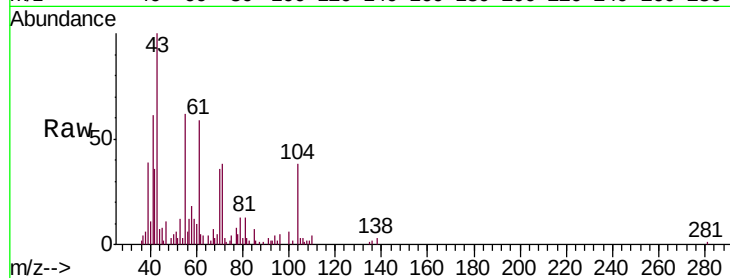
#40
 4-Methyl-2-pentanone
 Concen: 3.690 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV016567.D
 Acq: 06 Jun 2020 04:27

Instrument :
 MSVOA_V
 ClientSampled :
 F9E07

Tgt Ion	Ratio	Lower	Upper
43	100		
58	20.5	29.9	44.9#
100	7.3	11.9	17.9#

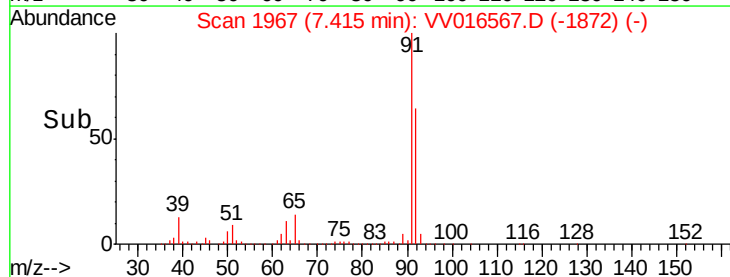
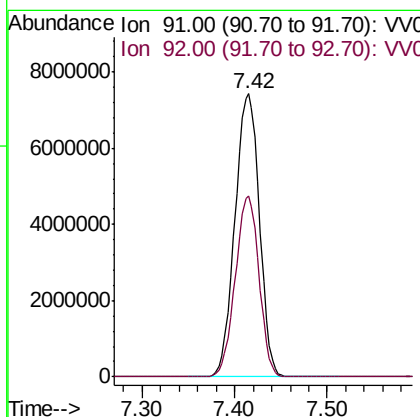
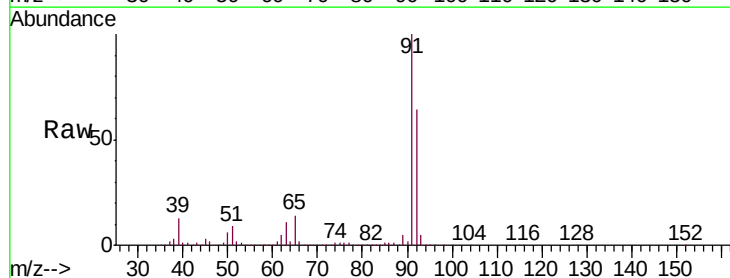
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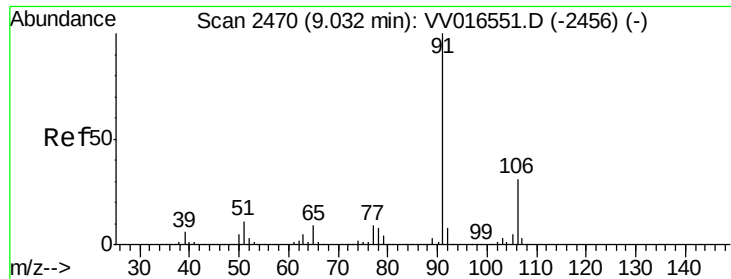
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#42
 Toluene
 Concen: 1162.560 ug/L
 RT: 7.42 min Scan# 1967
 Delta R.T. 0.01 min
 Lab File: VV016567.D
 Acq: 06 Jun 2020 04:27

Tgt Ion	Ratio	Lower	Upper
91	100		
92	63.9	40.9	75.9





#52

Ethylbenzene

Concen: 1413.514 ug/L m

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV016567.D

Acq: 06 Jun 2020 04:27

Instrument :

MSVOA_V

ClientSampleId :

F9E07

Tgt Ion: 91 Resp:17943696

Ion Ratio Lower Upper

91 100

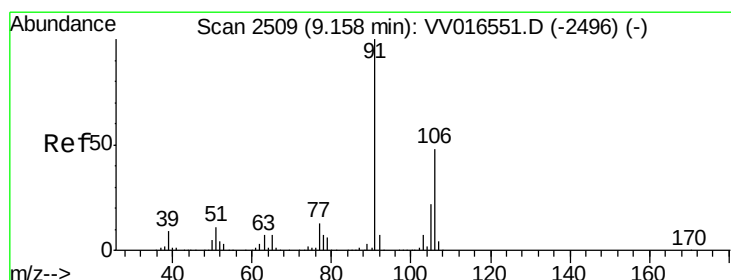
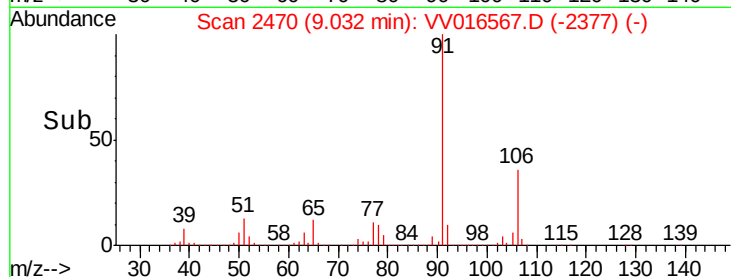
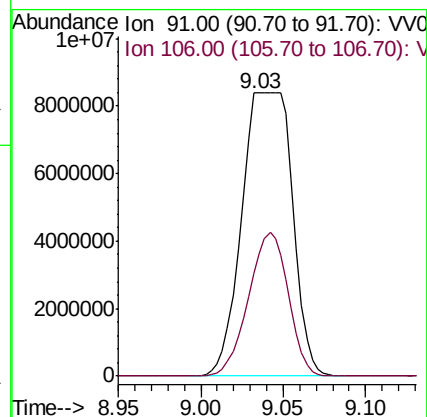
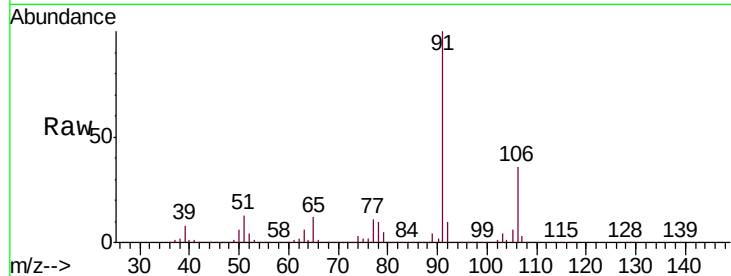
106 36.2 21.8 40.4

Manual Integrations

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#53

m,p-Xylene

Concen: 254.892 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV016567.D

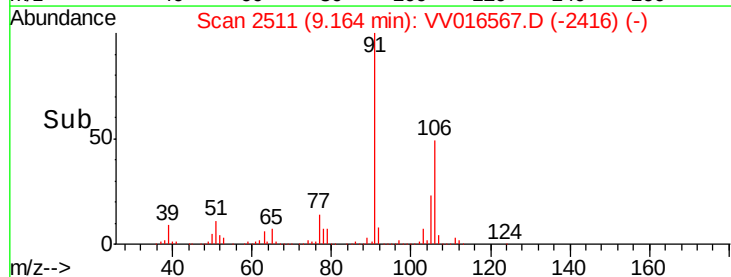
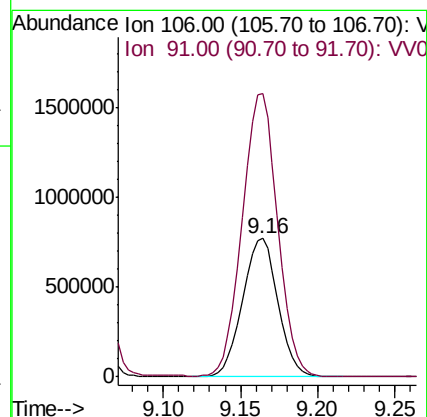
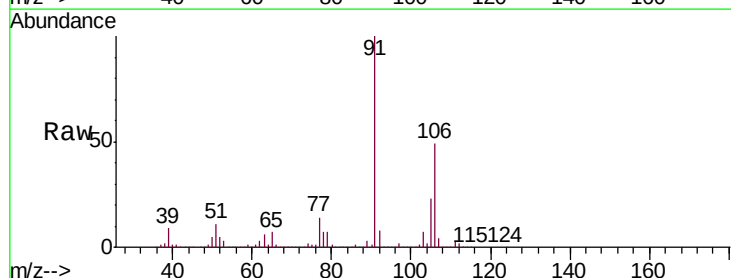
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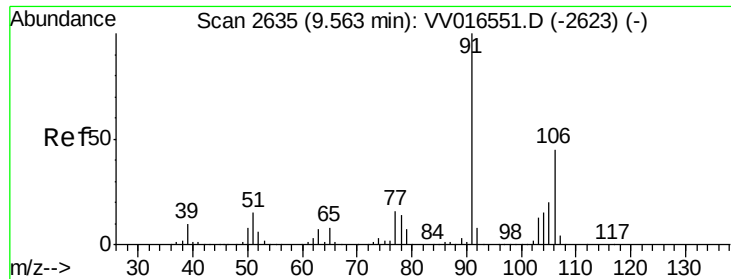
Tgt Ion:106 Resp: 1220080

Ion Ratio Lower Upper

106 100

91 204.5 142.5 264.6





#54

o-xylene

Concen: 391.585 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV016567.D

Acq: 06 Jun 2020 04:27

Instrument :

MSVOA_V

ClientSampleId :

F9E07

Tgt Ion:106 Resp: 1815314

Ion Ratio Lower Upper

106 100

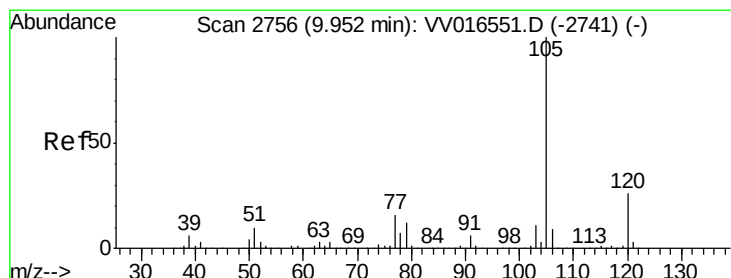
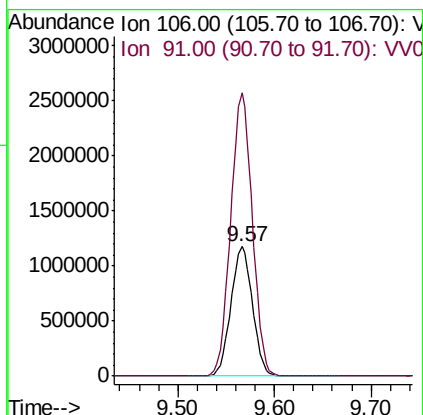
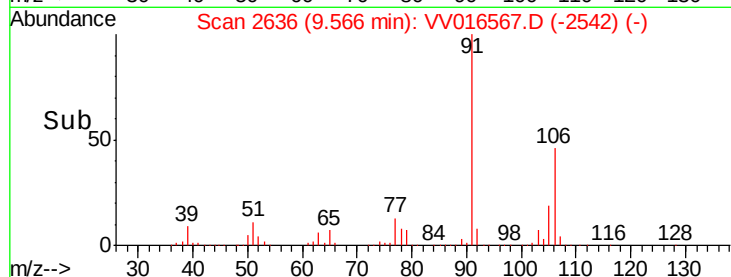
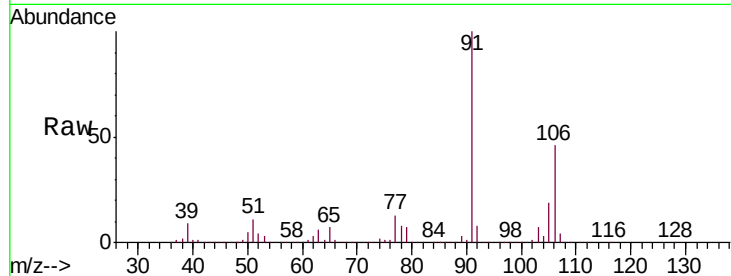
91 219.1 152.5 283.1

Manual Integrations

APPROVED

sam

6/6/2020 11:33:03 AM



#56

Isopropylbenzene

Concen: 33.785 ug/L

RT: 9.96 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV016567.D

Acq: 06 Jun 2020 04:27

Tgt Ion:105 Resp: 406818

Ion Ratio Lower Upper

105 100

120 26.7 21.0 31.6

77 16.1 13.0 19.4

