

Data File : VV016363.D
Acq On : 30 May 2020 16:37
Operator : SY/MD
Sample : L2662-15
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F9B26

Manual Integrations
APPROVED

MMDadoda
6/1/2020 11:01:41 AM

Quant Time: Jun 10 14:57:23 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053020WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 01 05:08:08 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	79505	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	77155	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	42962	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	34352	4.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.60%
7) Chloroethane-d5	1.58	69	22878	4.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.40%
11) 1,1-Dichloroethene-d2	2.12	63	42757	3.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.20%
20) 2-Butanone-d5	3.99	46	55218m	36.77	ug/L	0.07
Spiked Amount	50.000	Range	40 - 130	Recovery	=	73.54%
24) Chloroform-d	4.38	84	54336	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.06	65	29222	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
32) Benzene-d6	5.07	84	107381	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.10	67	32446	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.80%
41) Toluene-d8	7.34	98	93375	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
45) trans-1,3-Dichloropropene-	7.65	79	10755	4.40	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.00%
48) 2-Hexanone-d5	8.12	63	54912	48.33	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.66%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	22376	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	38006	4.76	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.20%

Target Compounds

						Qvalue
5) Vinyl chloride	1.32	62	504069	71.073	ug/L	98
8) Chloroethane	1.59	64	3866m	0.905	ug/L	
18) trans-1,2-Dichloroethene	2.78	96	24411	4.495	ug/L	97
19) 1,1-Dichloroethane	3.20	63	1687	0.157	ug/L	88
22) cis-1,2-Dichloroethene	3.93	96	448221	74.769	ug/L	97
27) 1,2-Dichloroethane	5.16	62	13822	1.952	ug/L	97
33) Benzene	5.12	78	213659	9.351	ug/L	100
34) Trichloroethene	5.94	95	1556	0.260	ug/L	92
42) Toluene	7.41	91	269526	11.100	ug/L	100
53) Chlorobenzene	8.90	112	9206	0.604	ug/L	97
54) Ethylbenzene	9.03	91	362429	13.532	ug/L	100
55) m,p-xylene	9.16	106	120665	12.037	ug/L	100
56) o-xylene	9.56	106	107443	11.380	ug/L	100
58) Isopropylbenzene	9.95	105	41196	1.601	ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	1898	0.154	ug/L	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053020\
Quantitation Report (LSC Reviewed)

Data File : VV016363.D
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

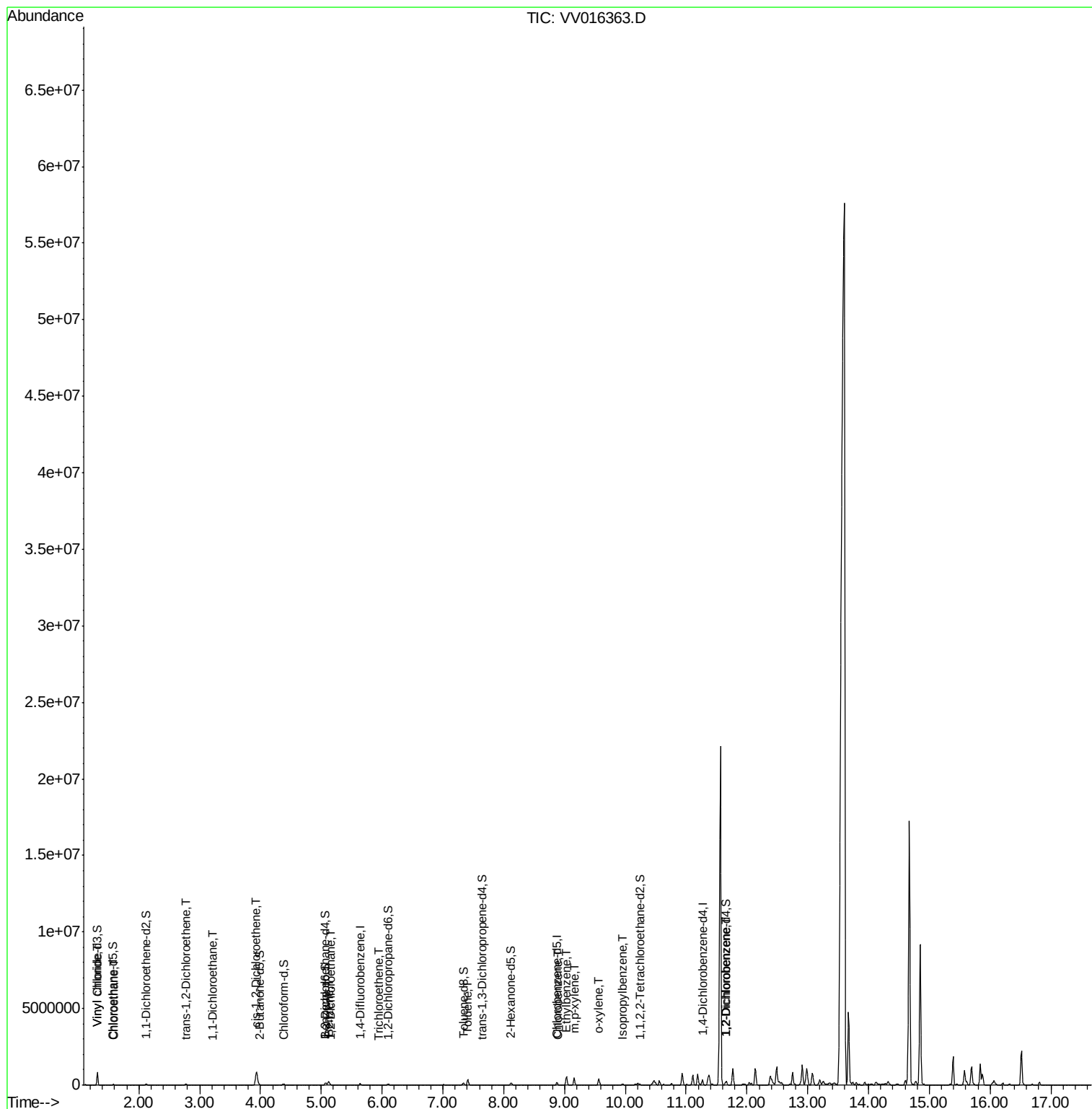
Data File : VV016363.D
Acq On : 30 May 2020 16:37
Operator : SY/MD
Sample : L2662-15
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ALS Vial : 11 Sample Multiplier: 1

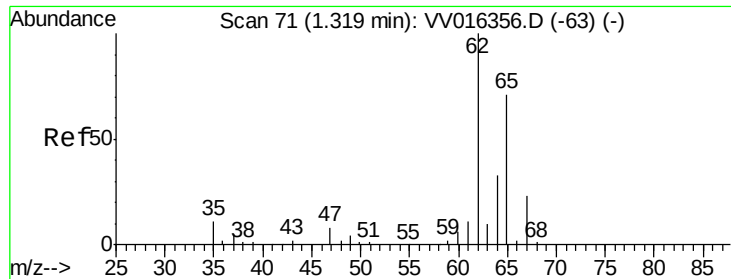
Instrument :
MSVOA_V
ClientSampleId :
F9B26

Manual Integrations
APPROVED

MMDadoda
6/1/2020 11:01:41 AM

Quant Time: Jun 10 14:57:23 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053020WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 01 05:08:08 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 71.073 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV016363.D

Acq: 30 May 2020 16:37

Instrument :

MSVOA_V

ClientSampled :

F9B26

Tgt Ion: 62 Resp: 504069

Ion Ratio Lower Upper

62 100

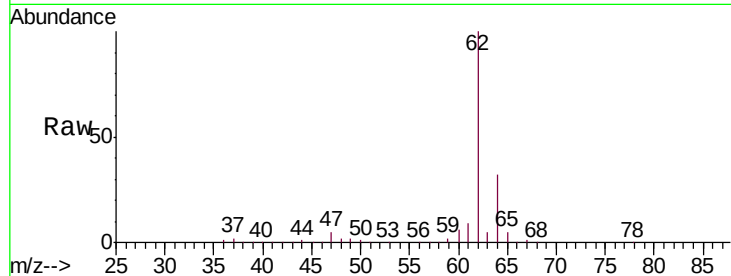
64 31.7 23.1 42.9

Manual Integrations

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6/1/2020 11:01:41 AM



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

500000

400000

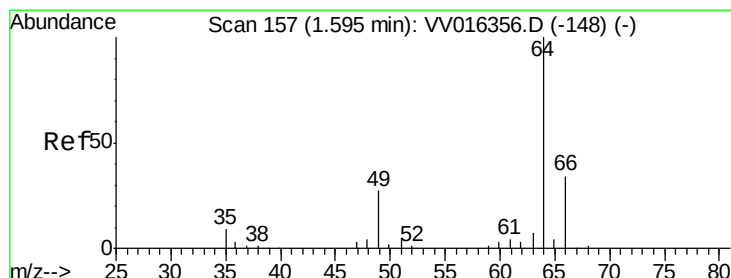
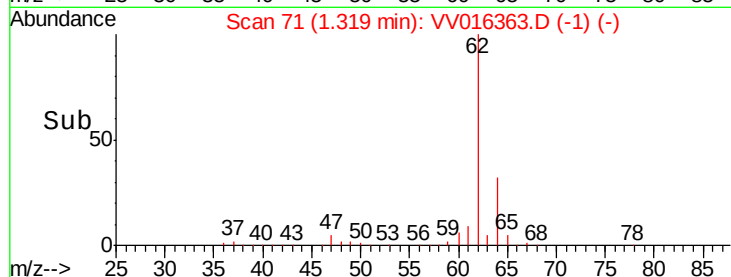
300000

200000

100000

0

Time-->



#8

Chloroethane

Concen: 0.905 ug/L m

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV016363.D

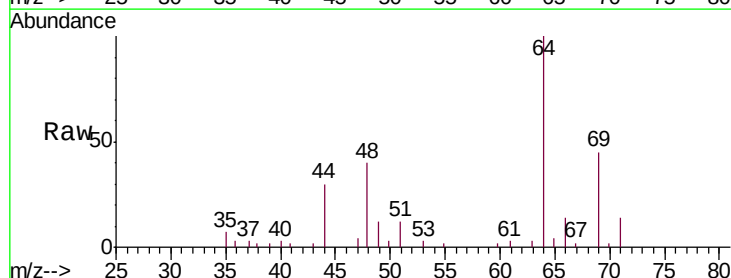
Acq: 30 May 2020 16:37

Tgt Ion: 64 Resp: 3866

Ion Ratio Lower Upper

64 100

66 13.6 23.4 43.6#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

1.59

8000

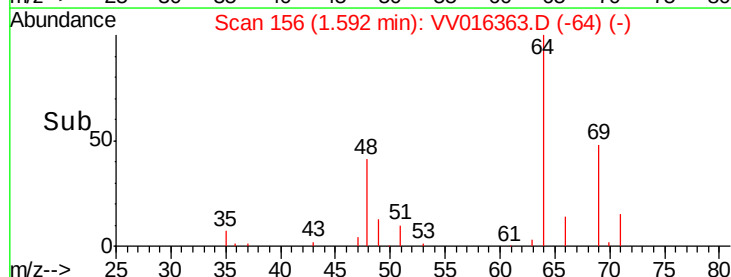
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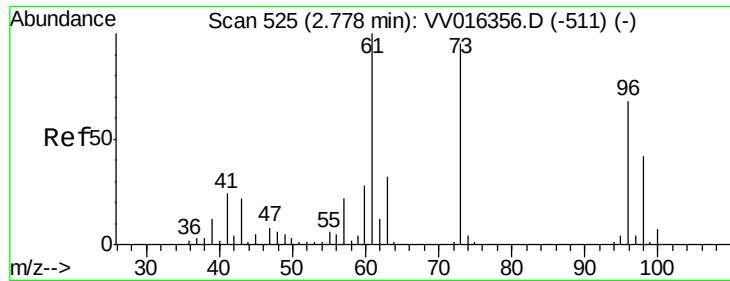
4000

2000

0

Time-->





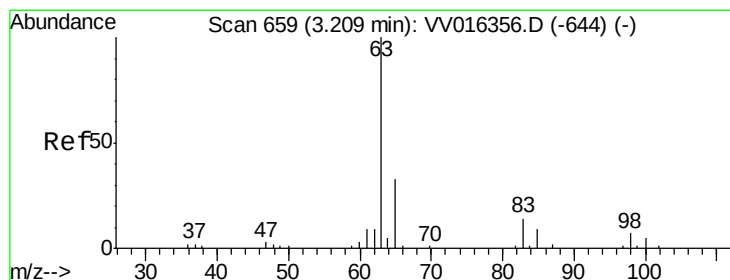
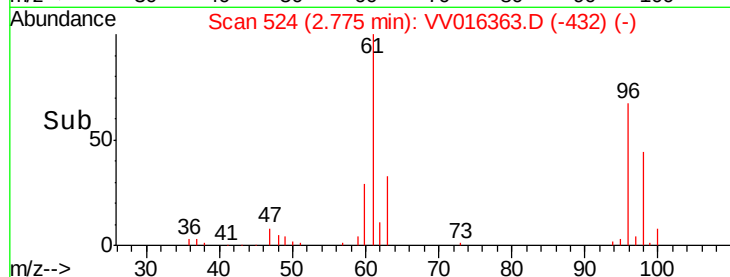
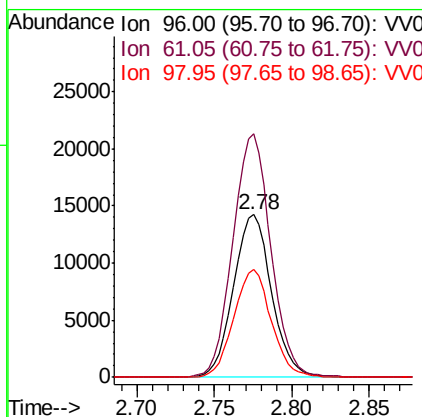
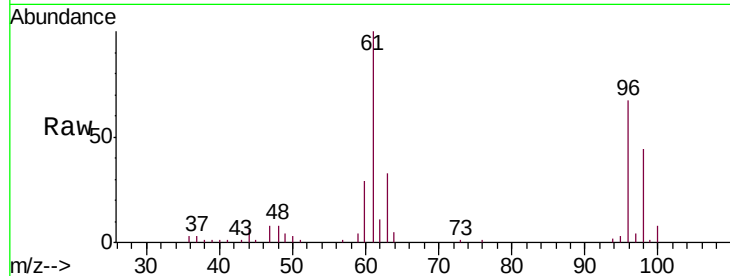
#18
trans-1,2-Dichloroethene
Concen: 4.495 ug/L
RT: 2.78 min Scan# 524
Delta R.T. -0.00 min
Lab File: VV016363.D
Acq: 30 May 2020 16:37

Instrument :
MSVOA_V
ClientSampled :
F9B26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.5	103.1	191.5
98	66.1	43.0	79.8

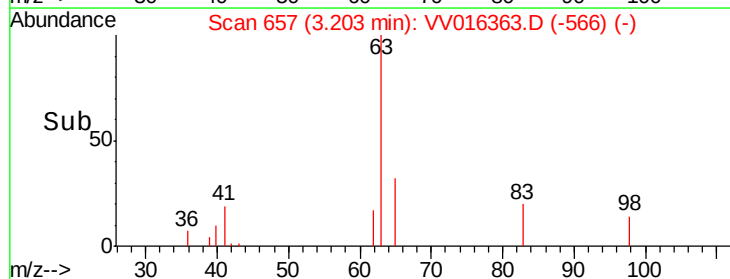
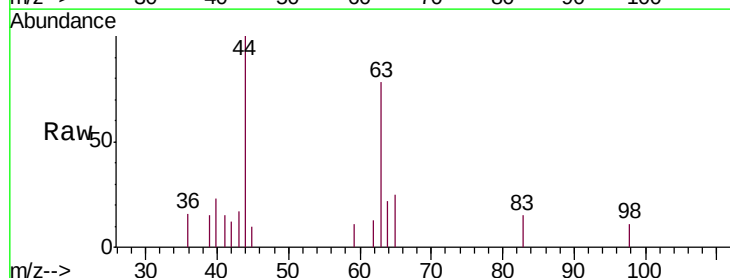
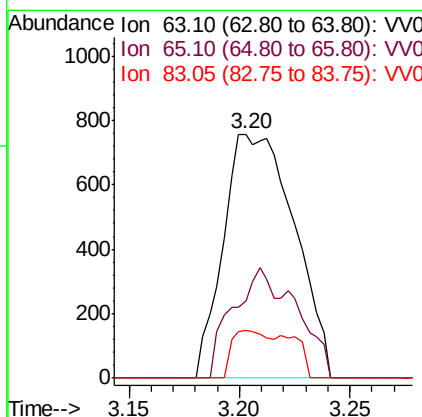
Manual Integrations
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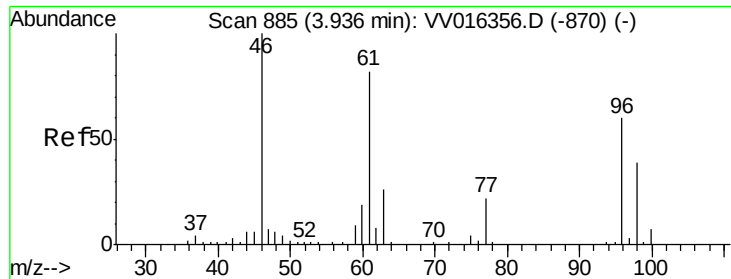
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6/1/2020 11:01:41 AM



#19
1,1-Dichloroethane
Concen: 0.157 ug/L
RT: 3.20 min Scan# 657
Delta R.T. -0.01 min
Lab File: VV016363.D
Acq: 30 May 2020 16:37

Tgt Ion	Ratio	Lower	Upper
63	100		
65	24.7	23.3	43.3
83	15.3	9.9	18.3





#22

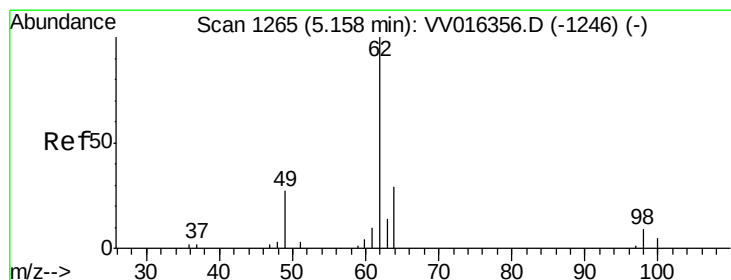
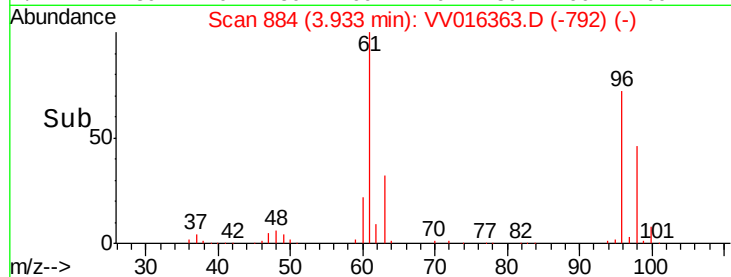
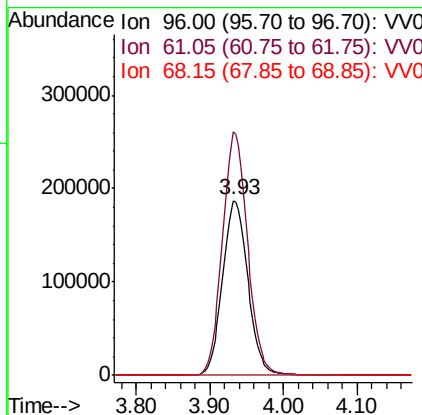
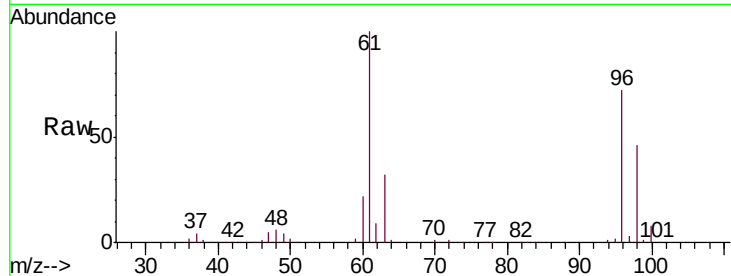
cis-1,2-Dichloroethene
Concen: 74.769 ug/L
RT: 3.93 min Scan# 884
Delta R.T. -0.00 min
Lab File: VV016363.D
Acq: 30 May 2020 16:37

Instrument :
MSVOA_V
ClientSampleId :
F9B26

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	448221		
61	139.3	94.8	176.0	
68	0.0	0.0	0.0	

Manual Integrations
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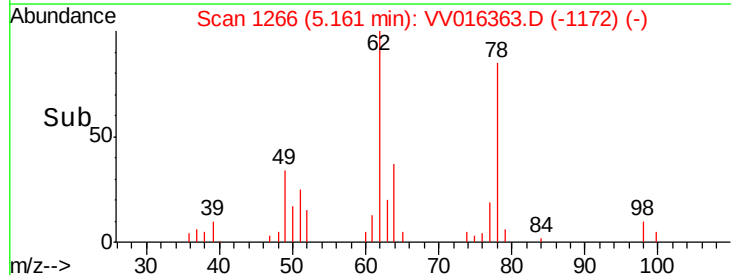
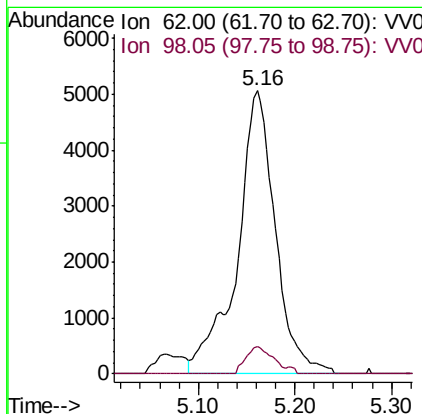
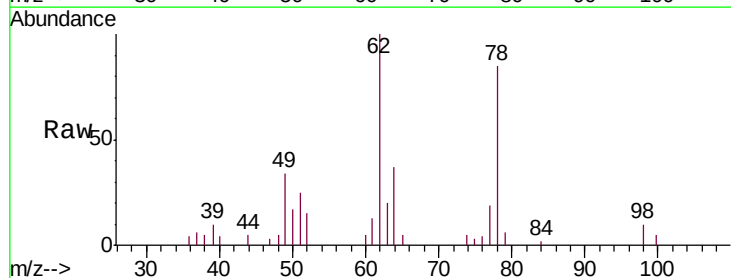
MMDadoda
6/1/2020 11:01:41 AM

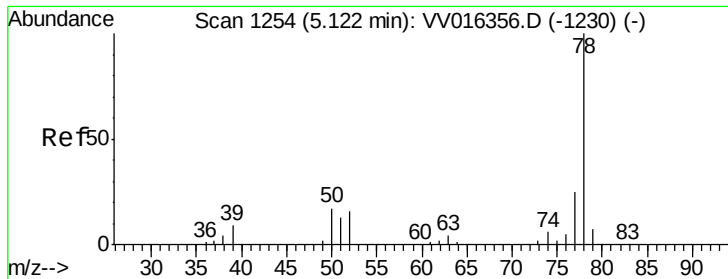


#27

1,2-Dichloroethane
Concen: 1.952 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VV016363.D
Acq: 30 May 2020 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	13822		
98	9.7	7.0	10.4	





#33

Benzene

Concen: 9.351 ug/L

RT: 5.12 min Scan# 1253

Delta R.T. -0.00 min

Lab File: VV016363.D

Acq: 30 May 2020 16:37

Instrument :

MSVOA_V

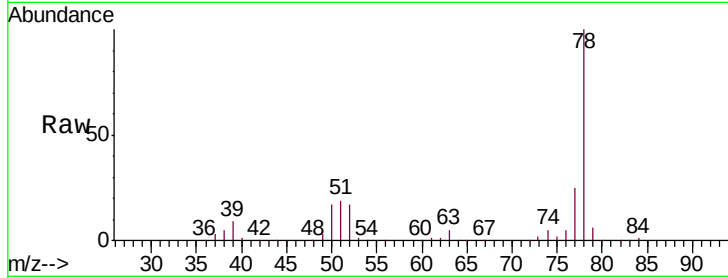
ClientSampled :

F9B26

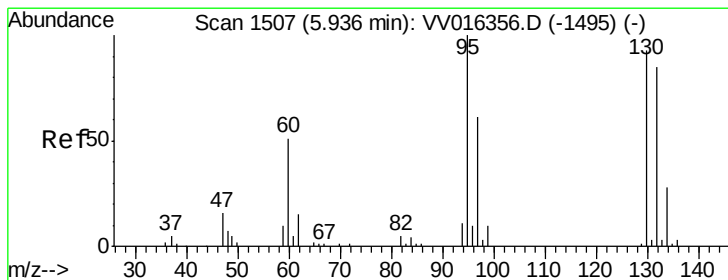
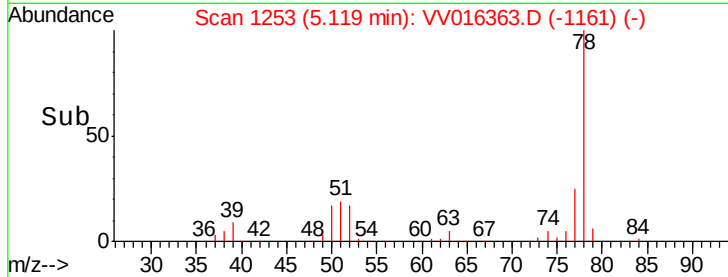
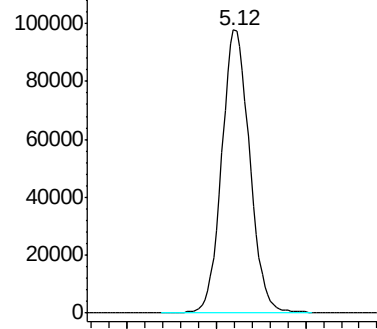
Tgt Ion: 78 Resp: 213659

Manual Integrations
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6/1/2020 11:01:41 AM



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 0.260 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016363.D

Acq: 30 May 2020 16:37

Tgt Ion: 95 Resp: 1556

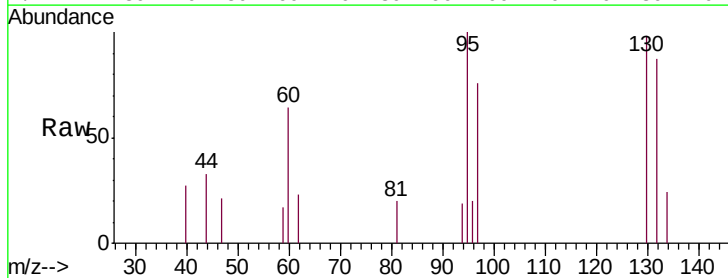
Ion Ratio Lower Upper

95 100

97 76.4 42.6 79.0

132 87.2 59.6 110.8

130 98.2 64.8 120.4

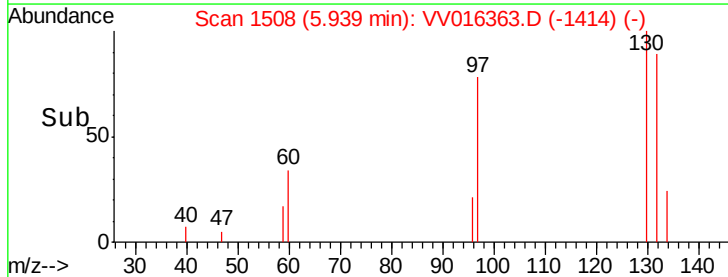
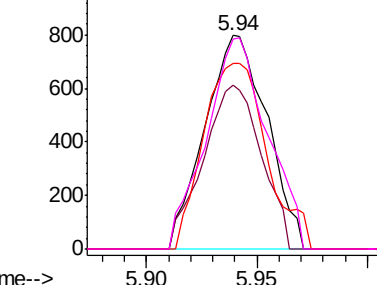


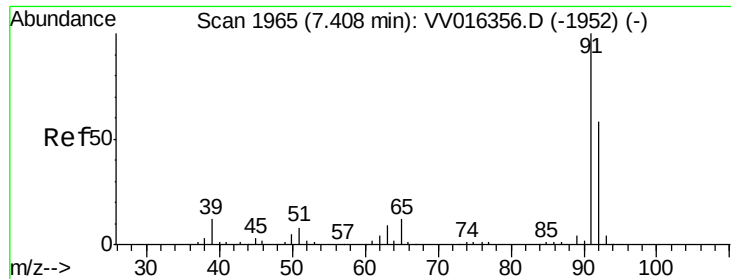
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V





#42

Toluene

Concen: 11.100 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016363.D

Acq: 30 May 2020 16:37

Instrument :

MSVOA_V

ClientSampleId :

F9B26

Tgt Ion: 91 Resp: 269526

Ion Ratio Lower Upper

91 100

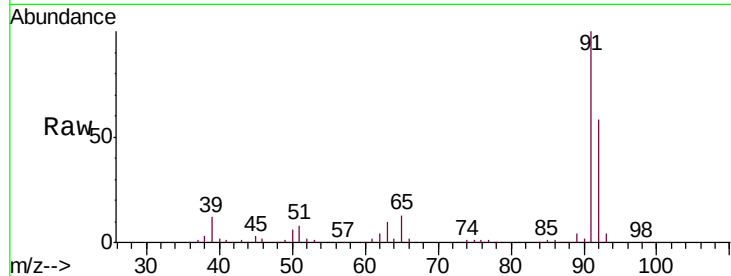
92 57.9 40.5 75.1

Manual Integrations

APPROVED

MMDadoda

6/1/2020 11:01:41 AM



Abundance Ion 91.15 (90.85 to 91.85): VV016356.D (-1952) (-)

Ion 92.15 (91.85 to 92.85): VV016356.D (-1952) (-)

7.41

150000

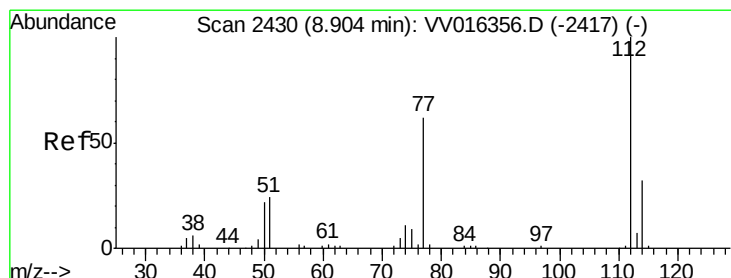
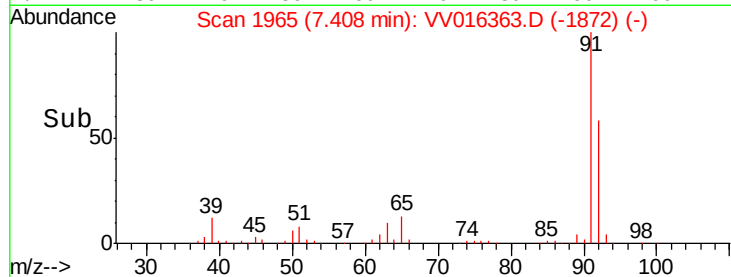
100000

50000

0

7.35 7.40 7.45 7.50

Time-->



#53

Chlorobenzene

Concen: 0.604 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV016363.D

Acq: 30 May 2020 16:37

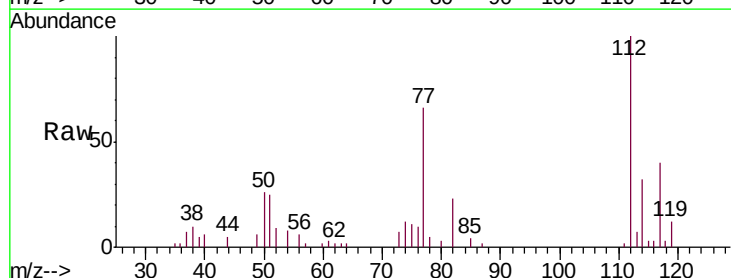
Tgt Ion: 112 Resp: 9206

Ion Ratio Lower Upper

112 100

114 31.7 22.6 42.0

77 66.2 50.5 75.7



Abundance Ion 112.10 (111.80 to 112.80): VV016356.D (-2417) (-)

Ion 114.05 (113.75 to 114.75): VV016356.D (-2417) (-)

Ion 77.10 (76.80 to 77.80): VV016356.D (-2417) (-)

8.90

6000

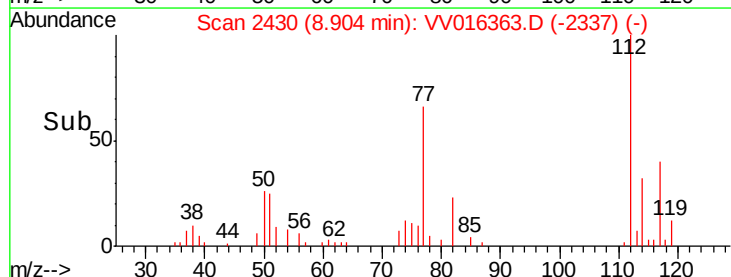
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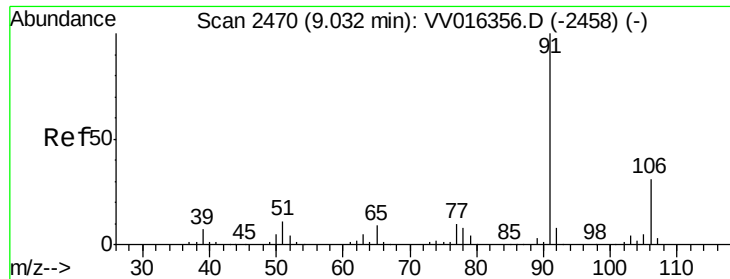
2000

0

8.85 8.90 8.95

Time-->





#54

Ethylbenzene

Concen: 13.532 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV016363.D

Acq: 30 May 2020 16:37

Instrument :

MSVOA_V

ClientSampled :

F9B26

Tgt Ion: 91 Resp: 362429

Ion Ratio Lower Upper

91 100

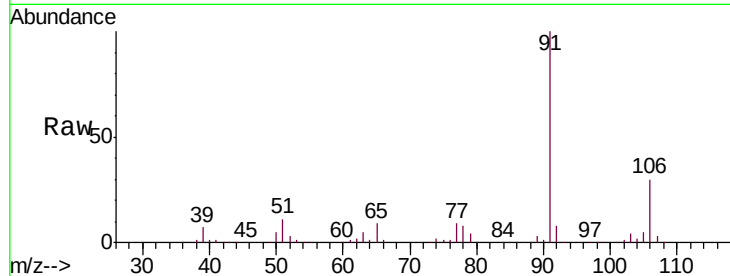
106 30.3 21.4 39.8

Manual Integrations

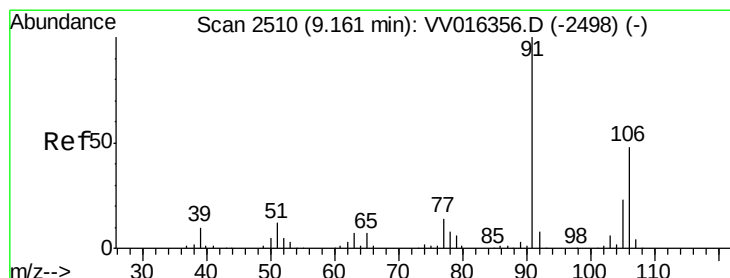
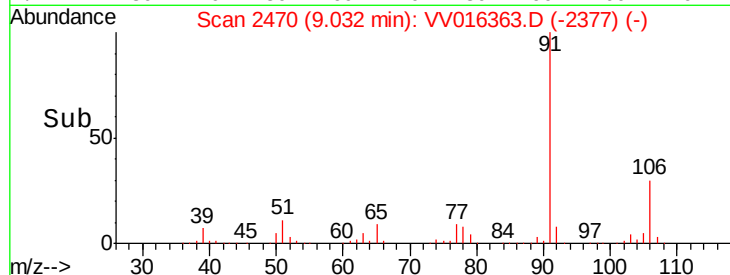
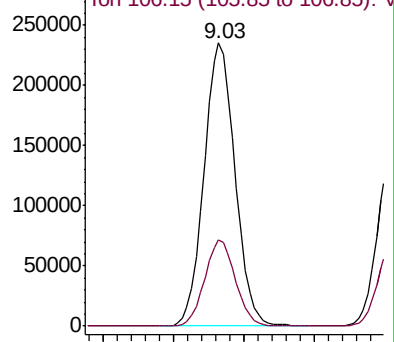
APPROVED

MMDadoda

6/1/2020 11:01:41 AM



Abundance Ion 91.15 (90.85 to 91.85): VV016363.D (-2377) (-)



#55

m,p-xylene

Concen: 12.037 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV016363.D

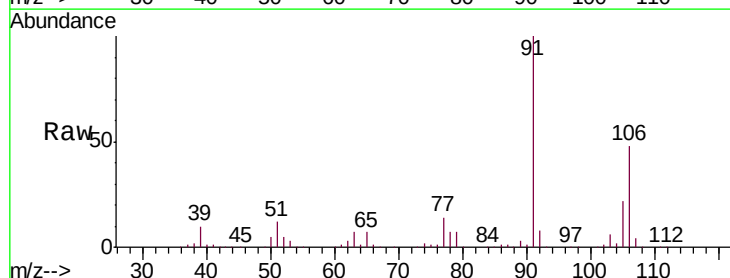
Acq: 30 May 2020 16:37

Tgt Ion: 106 Resp: 120665

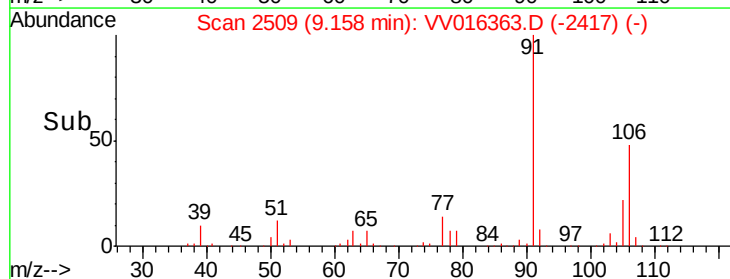
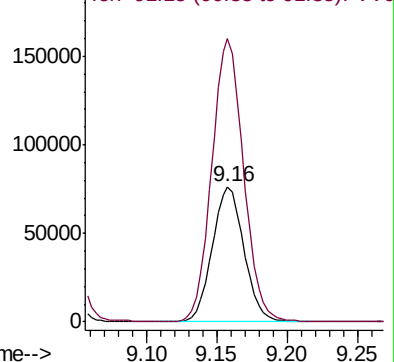
Ion Ratio Lower Upper

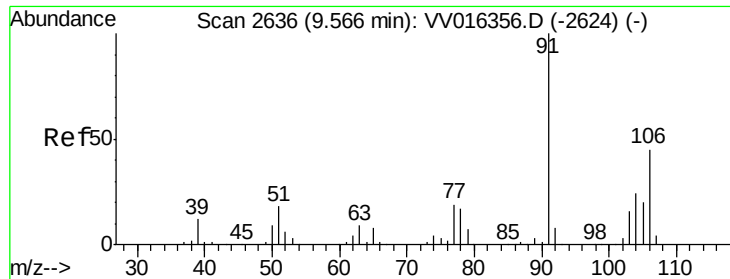
106 100

91 209.4 146.6 272.2



Abundance Ion 106.15 (105.85 to 106.85): VV016363.D (-2417) (-)





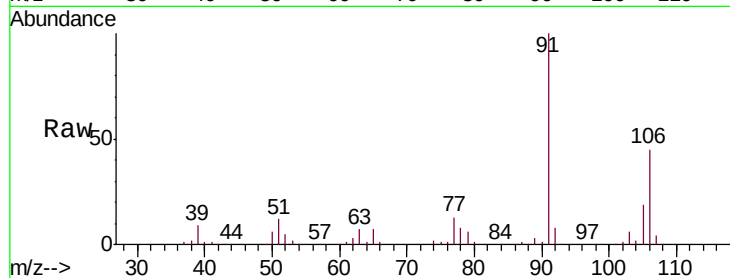
#56
o-xylene
Concen: 11.380 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV016363.D
Acq: 30 May 2020 16:37

Instrument :
MSVOA_V
ClientSampleId :
F9B26

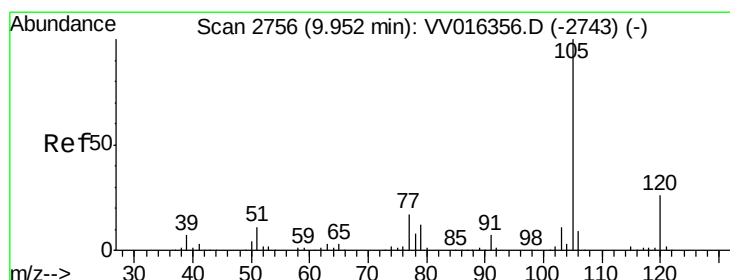
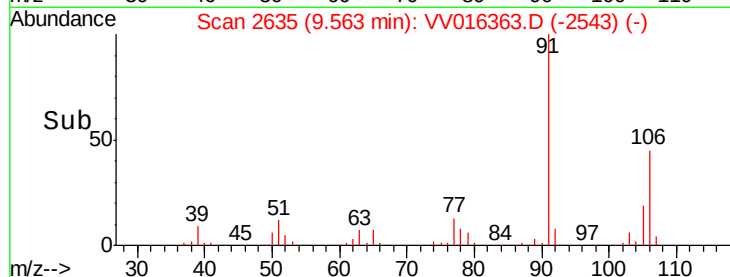
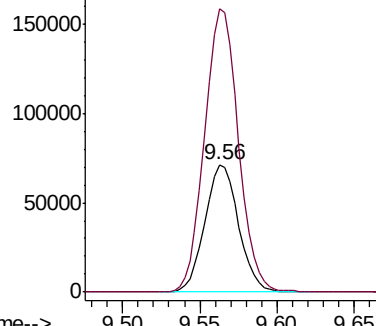
Tgt Ion:106 Resp: 107443
Ion Ratio Lower Upper
106 100
91 221.4 155.2 288.2

Manual Integrations
APPROVED

MMDadoda
6/1/2020 11:01:41 AM

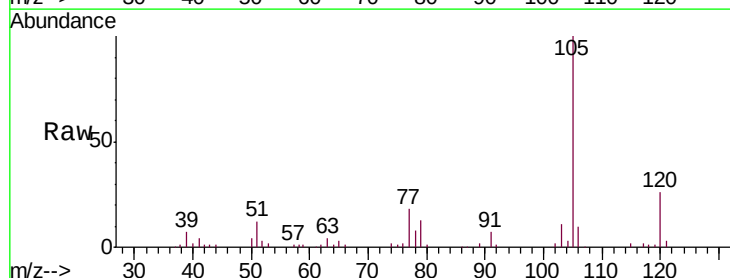


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

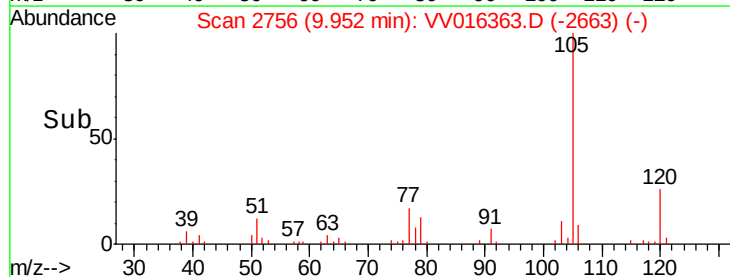
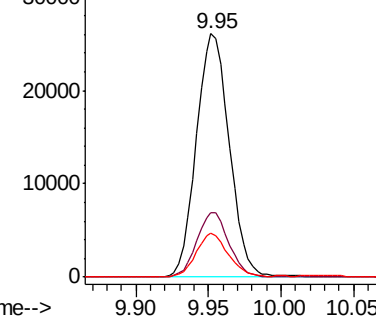


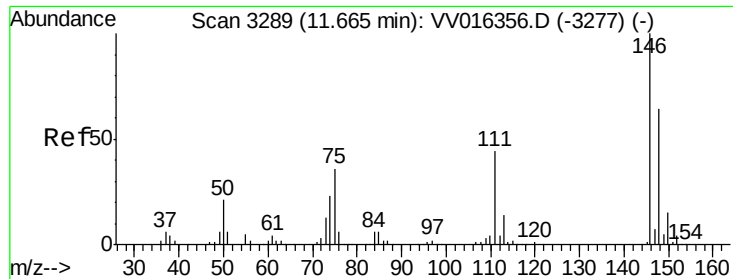
#58
Isopropylbenzene
Concen: 1.601 ug/L
RT: 9.95 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VV016363.D
Acq: 30 May 2020 16:37

Tgt Ion:105 Resp: 41196
Ion Ratio Lower Upper
105 100
120 25.5 20.7 31.1
77 17.6 13.4 20.2



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): VV0





#66
 1,2-Dichlorobenzene
 Concen: 0.154 ug/L
 RT: 11.67 min Scan# 3290
 Delta R.T. 0.00 min
 Lab File: VV016363.D
 Acq: 30 May 2020 16:37

Instrument :
 MSVOA_V
 ClientSampleId :
 F9B26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	52.0	35.4	53.2
148	58.9	51.0	76.4

Manual Integrations
 APPROVED

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 6/1/2020 11:01:41 AM

