

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061920\
 Data File : VV017001.D
 Acq On : 19 Jun 2020 15:27
 Operator : SY/MD
 Sample : L3074-02
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9M04

Manual Integrations
 APPROVED

MMDadoda
 6/22/2020 4:32:37 PM

Quant Time: Jun 20 04:25:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 20 02:04:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	353994	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	341194	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	174337	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	123116	49.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.58%
7) Chloroethane-d5	1.58	69	73400	48.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.94%
11) 1,1-Dichloroethene-d2	2.12	63	179399	42.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.54%
21) 2-Butanone-d5	3.93	46	171038	92.52	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.52%
24) Chloroform-d	4.38	84	239464	47.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.30%
26) 1,2-Dichloroethane-d4	5.06	65	170037	49.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.44%
32) Benzene-d6	5.07	84	463634	47.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.28%
36) 1,2-Dichloropropane-d6	6.09	67	145780	47.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.10%
41) Toluene-d8	7.34	98	433350	48.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.02%
43) trans-1,3-Dichloropropene-	7.64	79	75231	47.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.22%
47) 2-Hexanone-d5	8.11	63	126979	95.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.00%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	187764	46.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.52%
64) 1,2-Dichlorobenzene-d4	11.65	152	180521	48.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.04%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	1724394	683.223	ug/L	100
12) 1,1-Dichloroethene	2.13	96	29060	16.540	ug/L	# 16
13) Acetone	2.19	43	2460	2.020	ug/L	75
17) trans-1,2-Dichloroethene	2.78	96	108454	45.273	ug/L	92
18) Methyl tert-butyl Ether	2.78	73	54672	6.888	ug/L	97
19) 1,1-Dichloroethane	3.22	63	3672	0.814	ug/L	100
20) cis-1,2-Dichloroethene	3.94	96	18287626m	7002.429	ug/L	
33) Benzene	5.13	78	27214	2.696	ug/L	100
34) Trichloroethene	5.94	95	8007873	2957.745	ug/L	97
42) Toluene	7.41	91	37469	3.521	ug/L	98
46) Tetrachloroethene	8.02	164	15103364	7093.005	ug/L	93
51) Chlorobenzene	8.91	112	7324	1.055	ug/L	89
53) m,p-Xylene	9.17	106	5084	1.158	ug/L	98

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

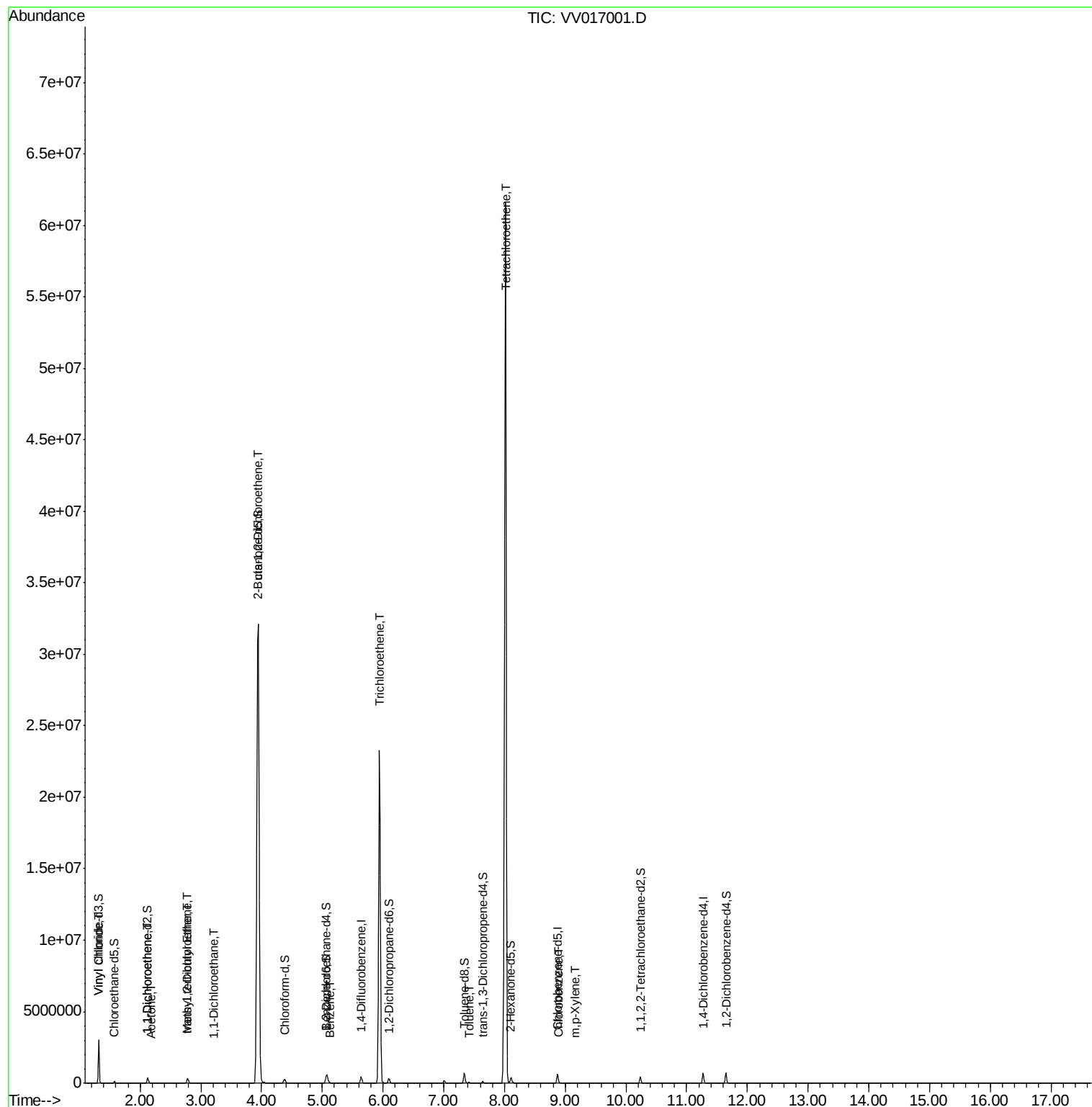
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061920\
Data File : VV017001.D
Acq On : 19 Jun 2020 15:27
Operator : SY/MD
Sample : L3074-02
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 12 Sample Multiplier: 1

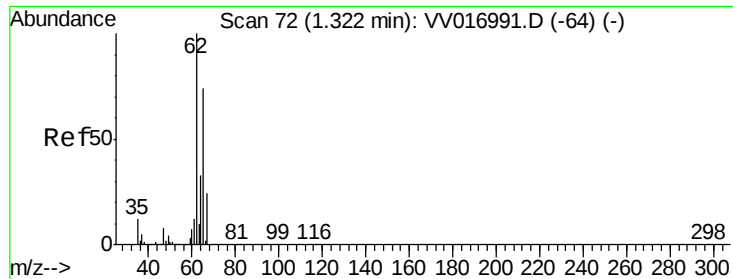
Instrument :
MSVOA_V
ClientSampleId :
F9M04

Manual Integrations
APPROVED

MMDadoda
6/22/2020 4:32:37 PM

Quant Time: Jun 20 04:25:40 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 20 02:04:09 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 683.223 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017001.D

Acq: 19 Jun 2020 15:27

Instrument :

MSVOA_V

ClientSampleId :

F9M04

Tot Ion: 62 Resp: 1724394

Ion Ratio Lower Upper

62 100

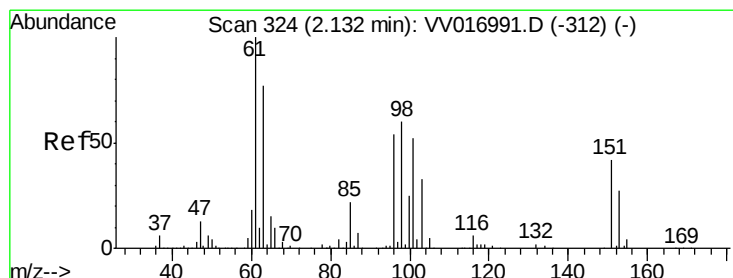
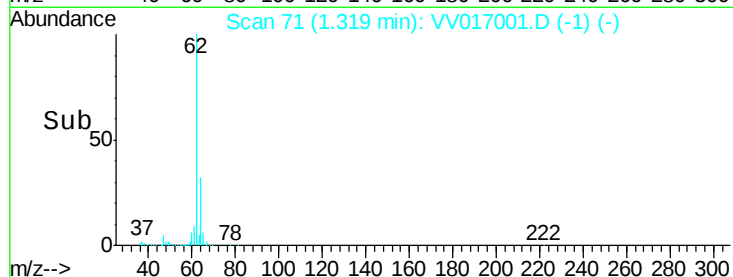
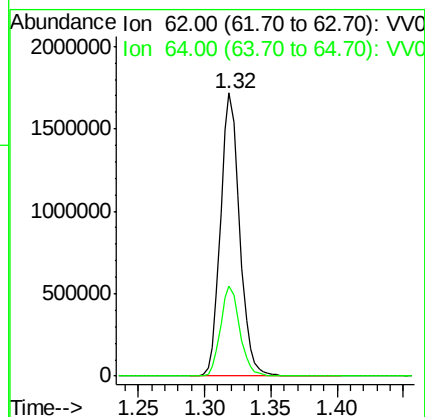
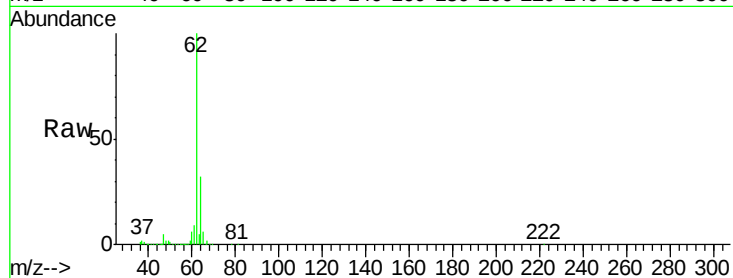
64 31.8 22.3 41.5

Manual Integrations

APPROVED

MMDadoda

6/22/2020 4:32:37 PM



#12

1,1-Dichloroethene

Concen: 16.540 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV017001.D

Acq: 19 Jun 2020 15:27

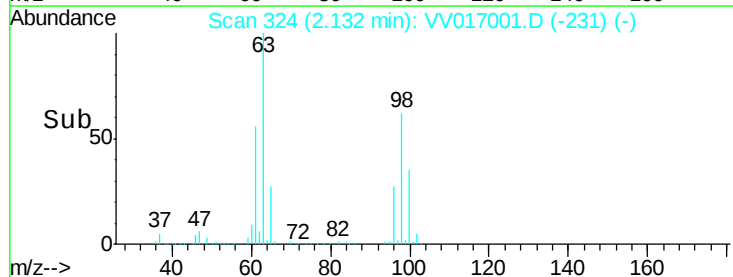
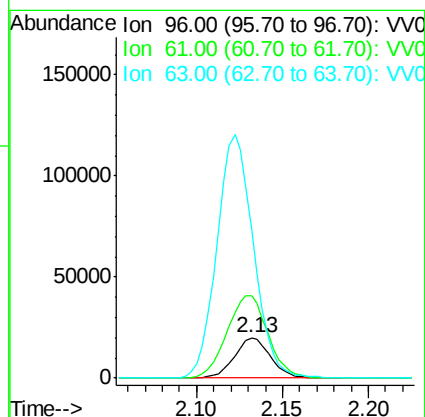
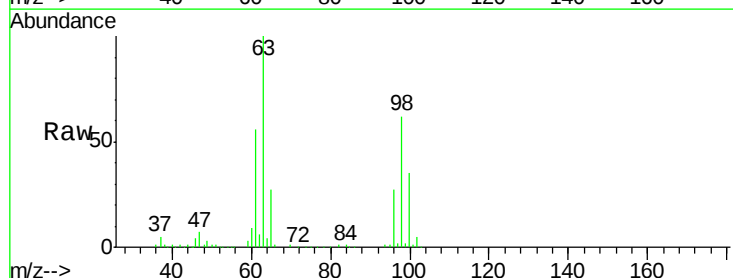
Tgt Ion: 96 Resp: 29060

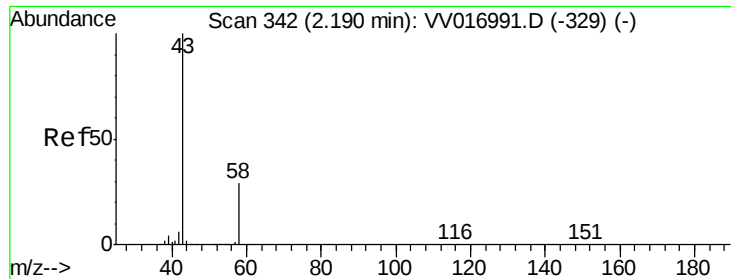
Ion Ratio Lower Upper

96 100

61 204.1 130.4 242.2

63 365.6 103.3 191.9#





#13

Acetone

Concen: 2.020 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

Lab File: VV017001.D

Acq: 19 Jun 2020 15:27

Tot Ion: 43 Resp: 2460

Ion Ratio Lower Upper

43 100

58 14.8 0.0 55.2

Instrument :

MSVOA_V

ClientSampleId :

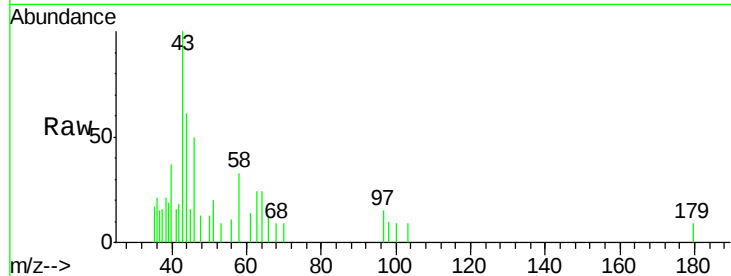
F9M04

Manual Integrations

APPROVED

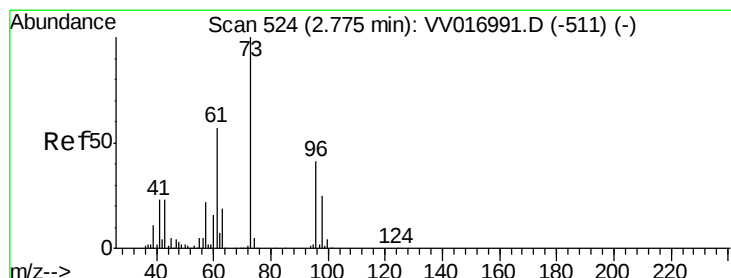
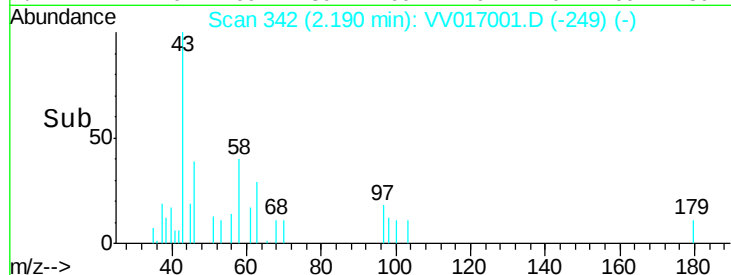
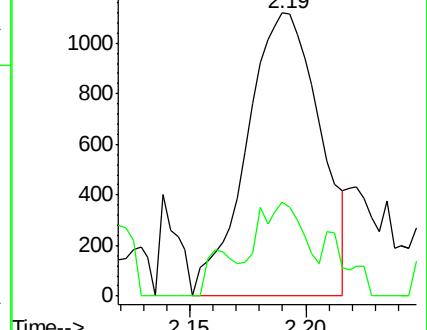
MMDadoda

6/22/2020 4:32:37 PM



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#17

trans-1,2-Dichloroethene

Concen: 45.273 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV017001.D

Acq: 19 Jun 2020 15:27

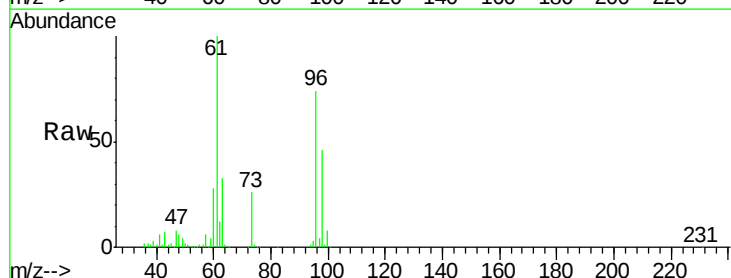
Tgt Ion: 96 Resp: 108454

Ion Ratio Lower Upper

96 100

61 134.8 102.9 191.1

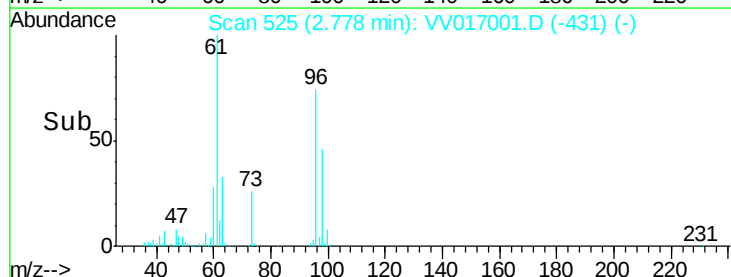
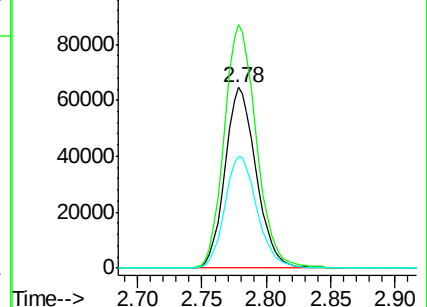
98 62.2 45.5 84.5

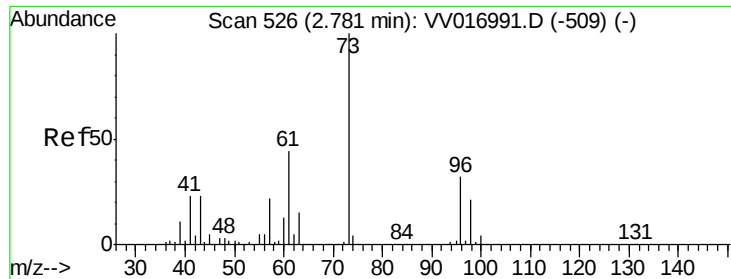


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#18

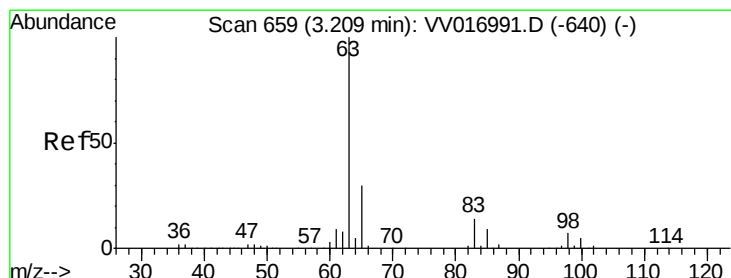
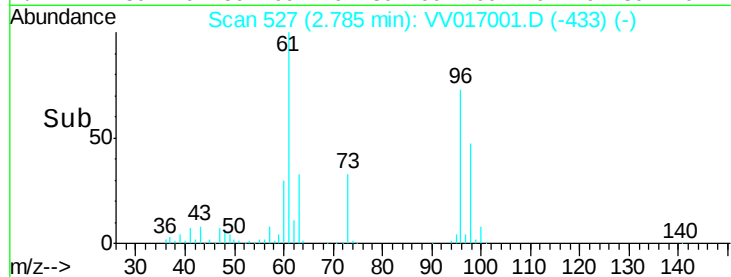
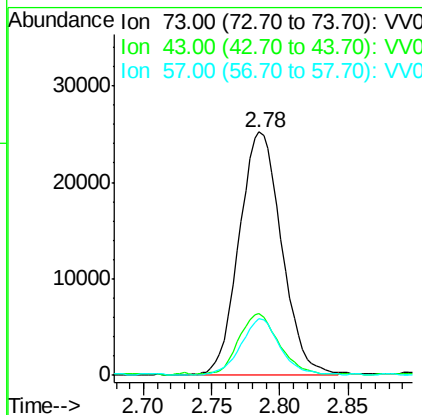
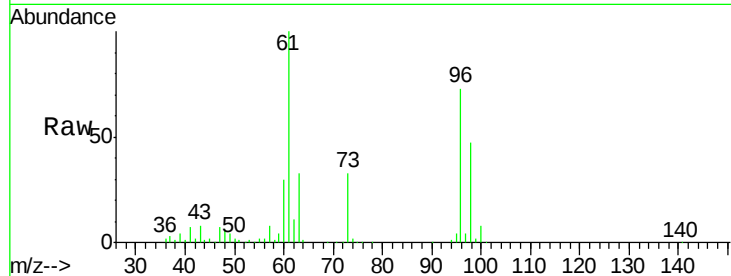
Methvl tert-butvl Ether
 Concen: 6.888 ug/L
 RT: 2.78 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VV017001.D
 Acq: 19 Jun 2020 15:27

Instrument :
 MSVOA_V
 ClientSampleId :
 F9M04

Tot Ion	Ratio	Lower	Upper
73	100		
43	24.4	17.8	26.6
57	21.6	17.7	26.5

Manual Integrations
 APPROVED

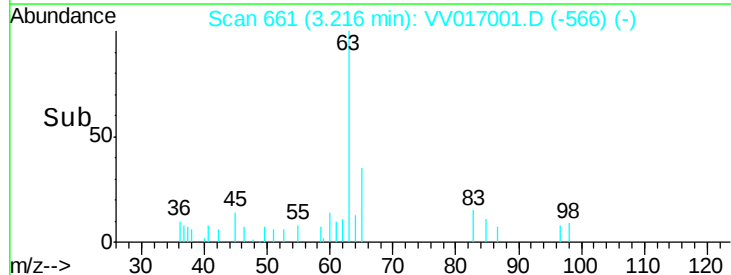
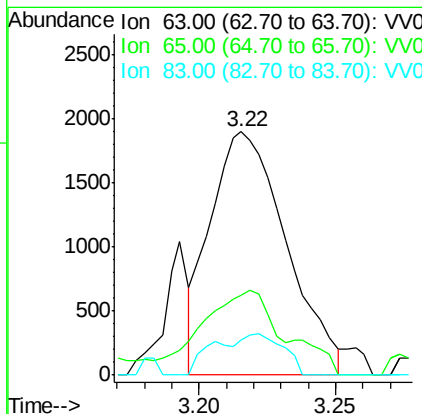
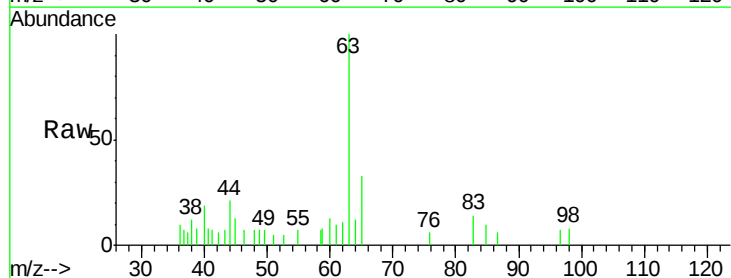
MMDadoda
 6/22/2020 4:32:37 PM

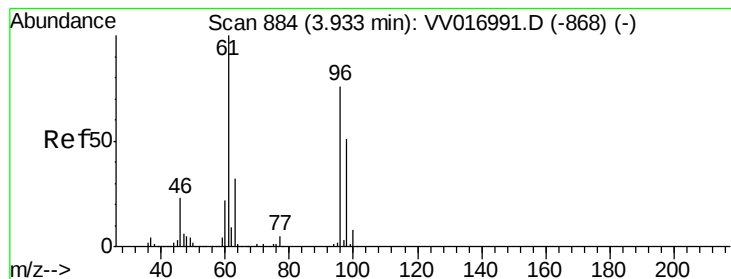


#19

1,1-Dichloroethane
 Concen: 0.814 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. 0.01 min
 Lab File: VV017001.D
 Acq: 19 Jun 2020 15:27

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.9	23.2	43.0
83	14.2	10.0	18.6





#20

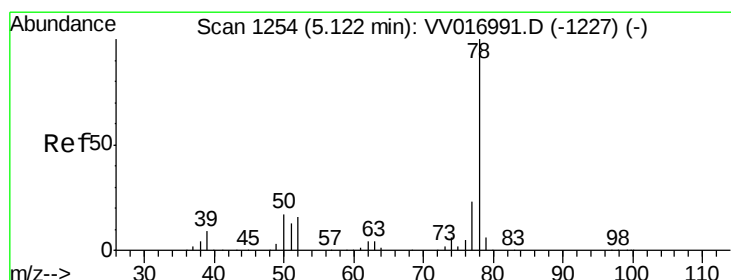
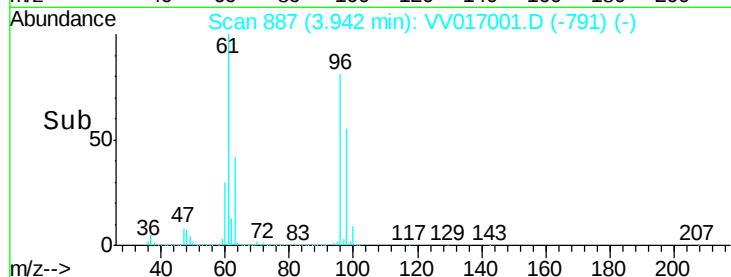
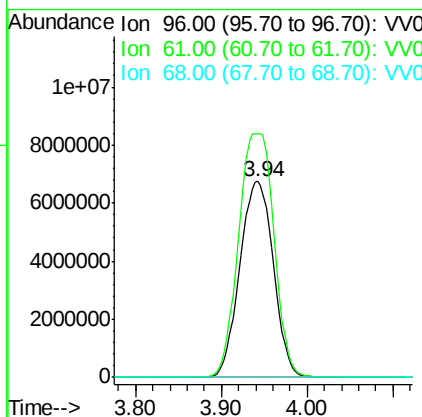
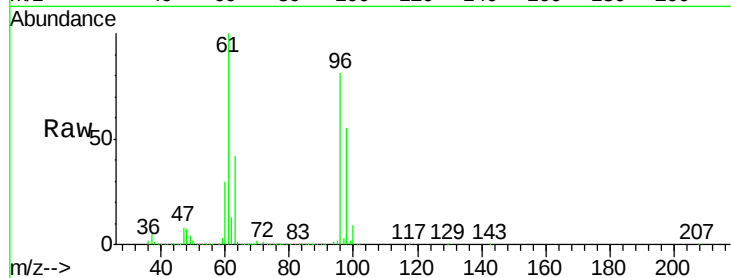
cis-1,2-Dichloroethene
Concen: 7002.429 ug/L m
RT: 3.94 min Scan# 887
Delta R.T. 0.01 min
Lab File: VV017001.D
Acq: 19 Jun 2020 15:27

Instrument :
MSVOA_V
ClientSampled :
F9M04

Tot Ion: 96 Resp:18287626
Ion Ratio Lower Upper
96 100
61 124.2 93.4 173.4
68 0.0 0.0 0.0#

Manual Integrations
APPROVED

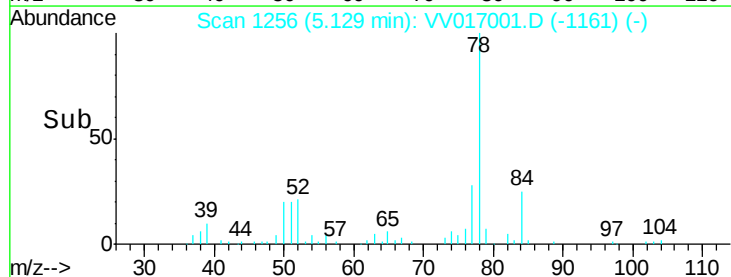
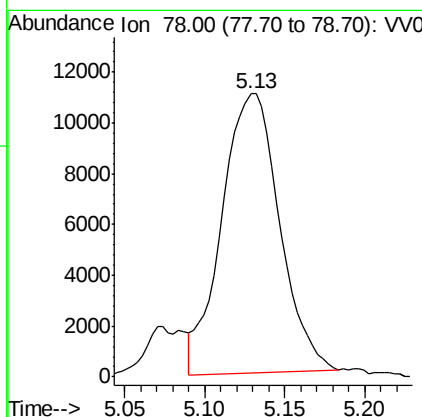
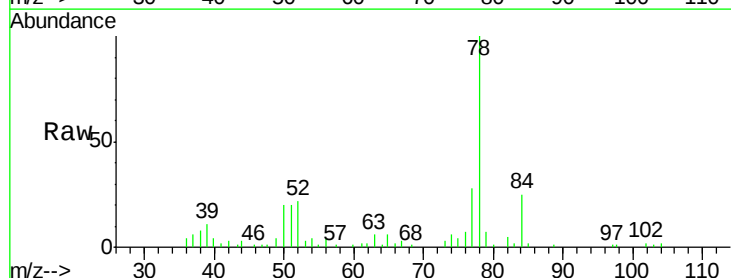
MMDadoda
6/22/2020 4:32:37 PM

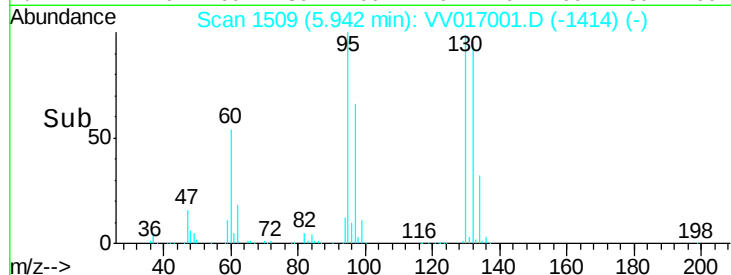
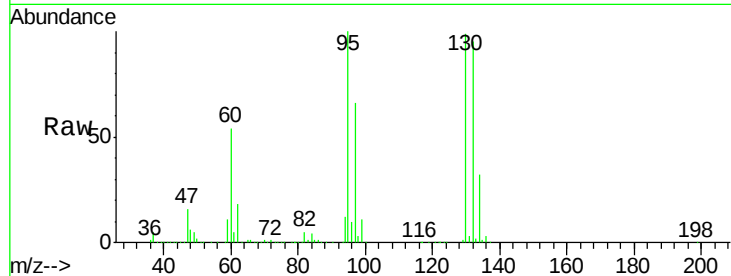
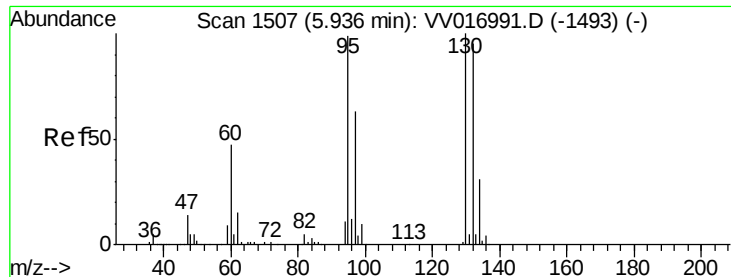


#33

Benzene
Concen: 2.696 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VV017001.D
Acq: 19 Jun 2020 15:27

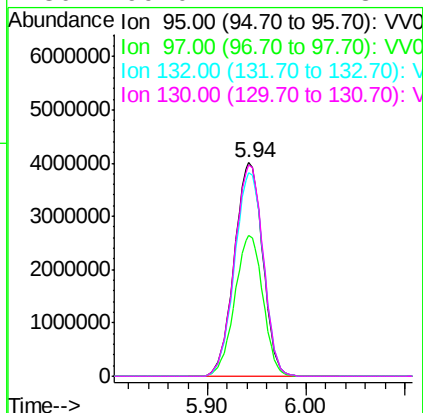
Tgt Ion: 78 Resp: 27214





#34
 Trichloroethene
 Concen: 2957.745 ug/L
 RT: 5.94 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: VV017001.D
 Acq: 19 Jun 2020 15:27

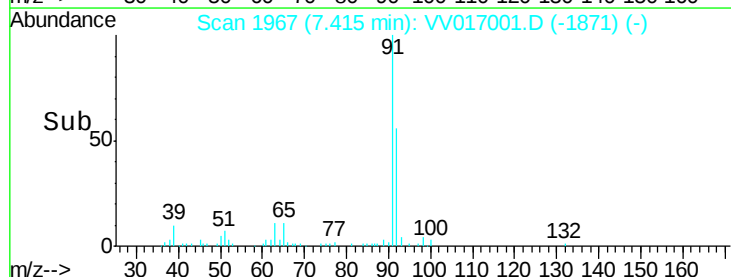
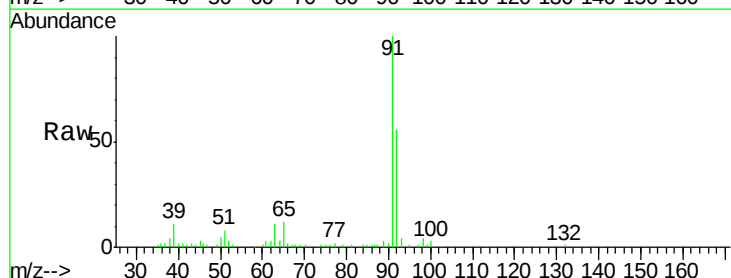
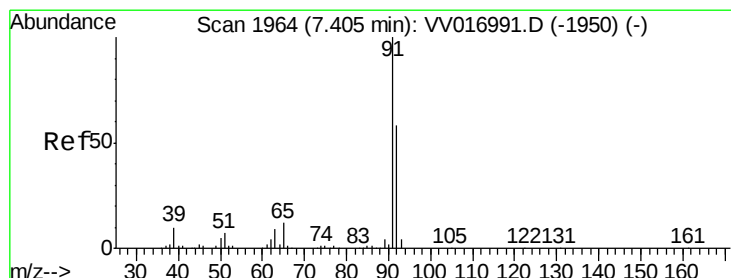
Tot Ion: 95 Resp: 8007873
 Ion Ratio Lower Upper
 95 100
 97 66.0 44.3 82.3
 132 95.5 67.9 126.1
 130 99.0 72.2 134.2



Instrument :
 MSVOA_V
 ClientSampleId :
 F9M04

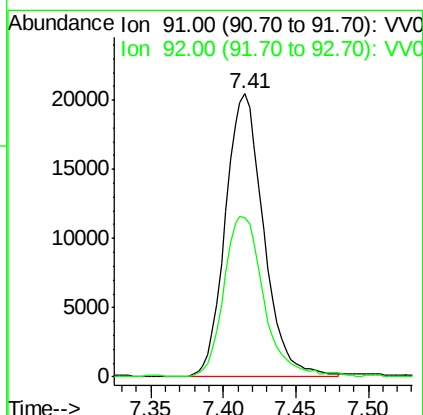
Manual Integrations
 APPROVED

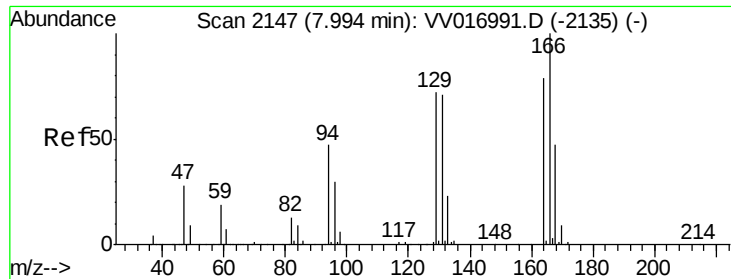
MMDadoda
 6/22/2020 4:32:37 PM



#42
 Toluene
 Concen: 3.521 ug/L
 RT: 7.41 min Scan# 1967
 Delta R.T. 0.01 min
 Lab File: VV017001.D
 Acq: 19 Jun 2020 15:27

Tgt Ion: 91 Resp: 37469
 Ion Ratio Lower Upper
 91 100
 92 56.3 40.4 75.0





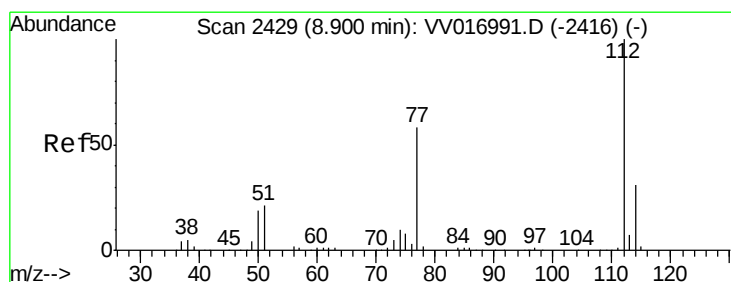
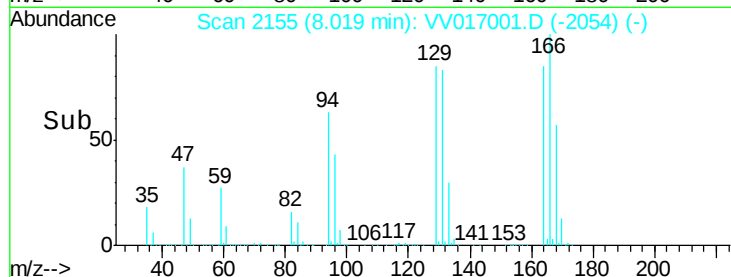
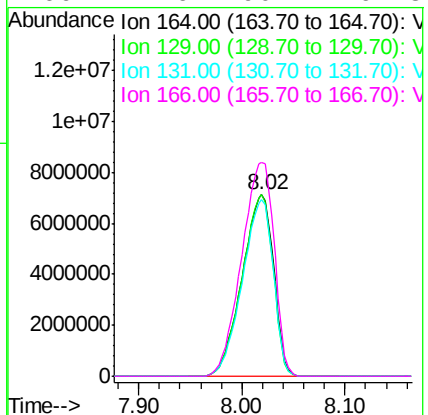
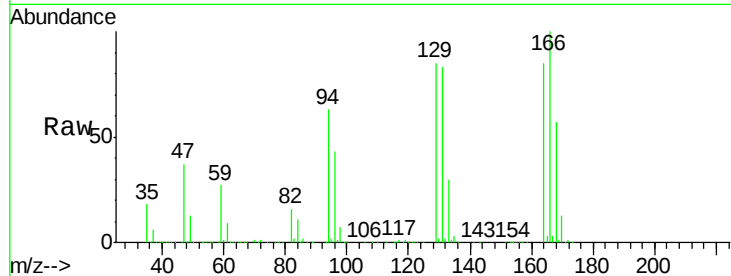
#46
Tetrachloroethene
Concen: 7093.005 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.03 min
Lab File: VV017001.D
Acq: 19 Jun 2020 15:27

Instrument :
MSVOA_V
ClientSampleId :
F9M04

Tot Ion:164 Resp:15103364
Ion Ratio Lower Upper
164 100
129 99.7 67.0 124.4
131 97.5 64.8 120.3
166 117.6 90.4 167.8

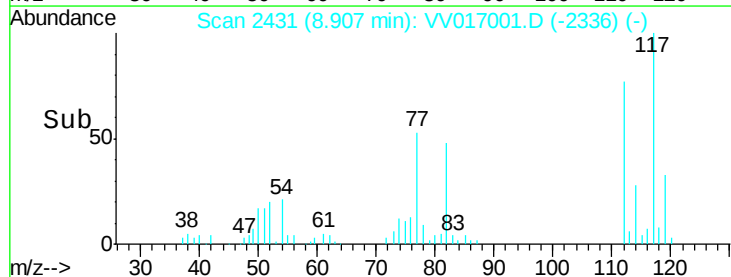
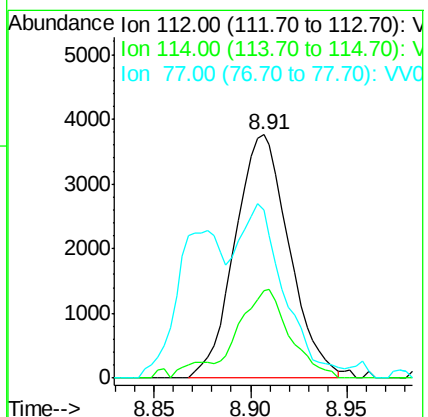
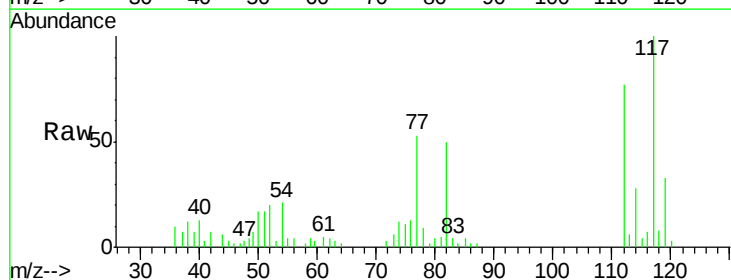
Manual Integrations
APPROVED

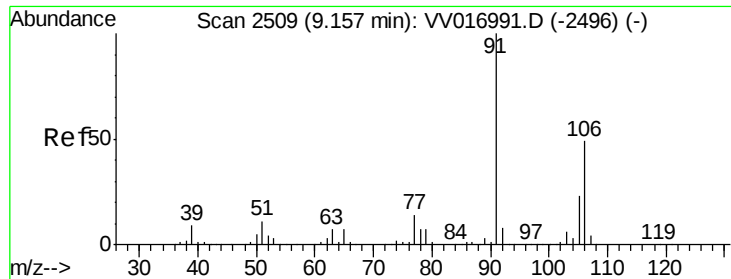
MMDadoda
6/22/2020 4:32:37 PM



#51
Chlorobenzene
Concen: 1.055 ug/L
RT: 8.91 min Scan# 2431
Delta R.T. 0.01 min
Lab File: VV017001.D
Acq: 19 Jun 2020 15:27

Tgt Ion:112 Resp: 7324
Ion Ratio Lower Upper
112 100
114 36.1 22.3 41.3
77 69.0 47.9 71.9





#53
 m.p-Xylene
 Concen: 1.158 ug/L
 RT: 9.17 min Scan# 2512
 Delta R.T. 0.01 min
 Lab File: VV017001.D
 Acq: 19 Jun 2020 15:27

Instrument :
 MSVOA_V
 ClientSampleId :
 F9M04

Tot Ion	Ratio	Lower	Upper
106	100		
91	203.6	144.6	268.6

Manual Integrations
 APPROVED

MMDadoda
 6/22/2020 4:32:37 PM

