

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062419\
 Data File : VL033957.D
 Acq On : 25 Jun 2019 4:33
 Operator : SY/AP
 Sample : K3474-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MIDDLE

Manual Integrations
 APPROVED

MMDadoda
 6/26/2019 8:15:57 AM

Quant Time: Jun 25 05:21:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.74	49	942357	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.27	114	2260212	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.21	117	2388530	10.00	ppbv	-0.02

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene		14.55	95	1865092	9.51	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	11585	0.279	ppbv	95
13) Ethanol	3.64	45	237283	17.569	ppbv	97
15) Acetone	3.89	43	268806	1.956	ppbv	91
18) 1,1-Dichloroethene	4.34	96	18196	0.323	ppbv	86
19) Isopropyl Alcohol	4.02	45	234566	2.988	ppbv #	98
24) 1,1-Dichloroethane	5.07	63	23919	0.193	ppbv	96
26) Hexane	5.76	57	10614m	0.111	ppbv	
32) 1,1,1-Trichloroethane	6.59	97	14147	0.090	ppbv	94
34) 2-Butanone	5.32	43	46802	0.367	ppbv	98
41) Tetrahydrofuran	6.15	42	42432	0.656	ppbv	97
53) Toluene	9.92	91	40430	0.212	ppbv	98

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

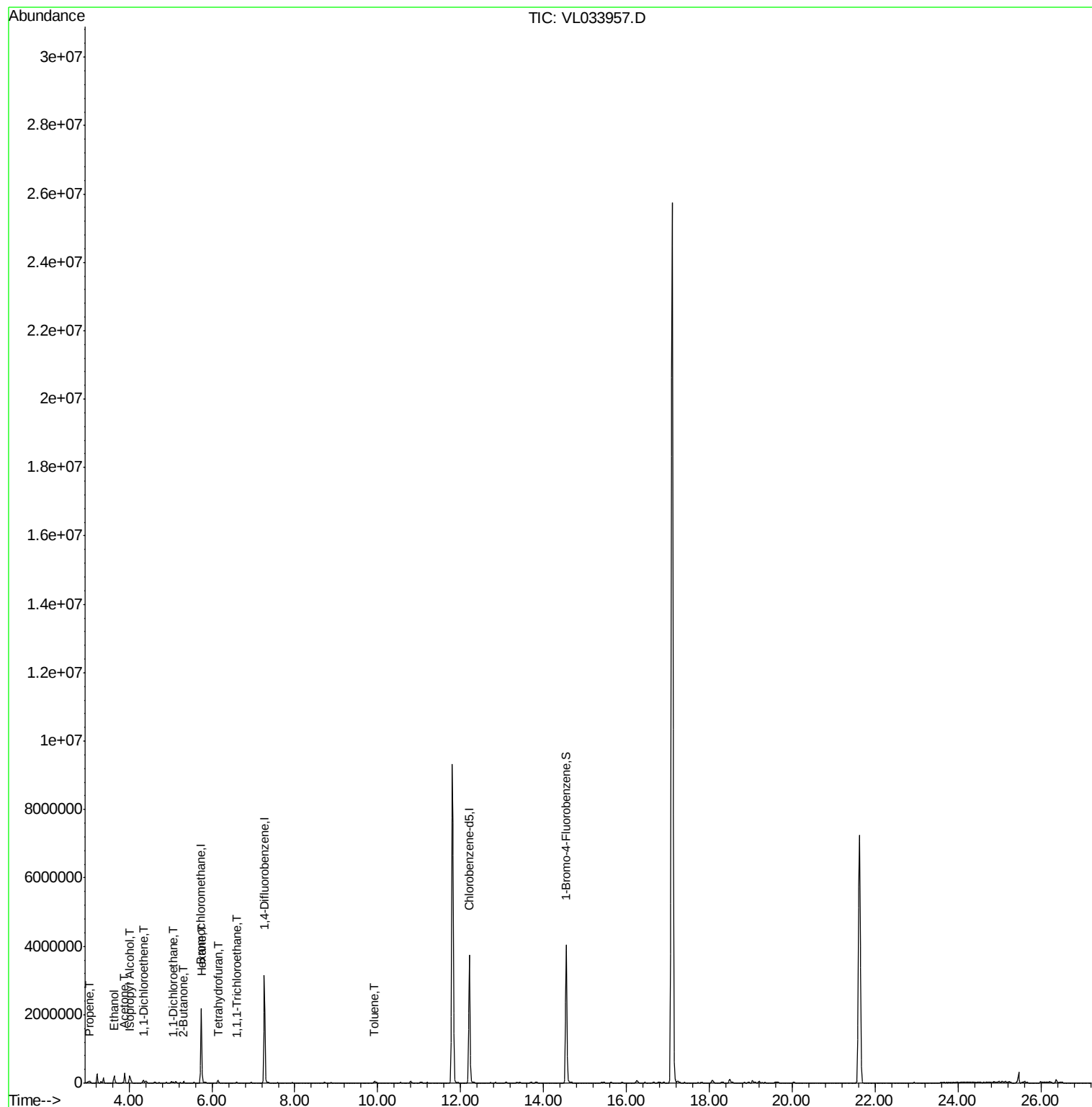
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL062419\
Data File : VL033957.D
Acq On : 25 Jun 2019 4:33
Operator : SY/AP
Sample : K3474-02DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

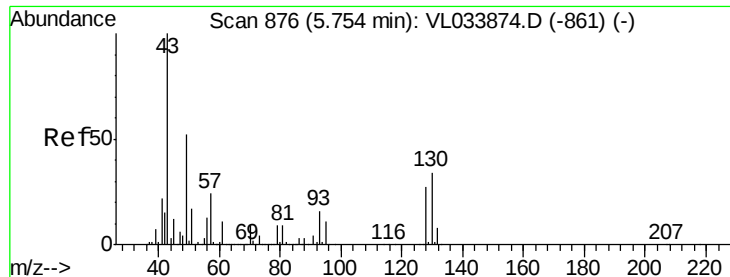
Instrument :
MSVOA_L
ClientSampleId :
MIDDLE

Manual Integrations
APPROVED

MMDadoda
6/26/2019 8:15:57 AM

Quant Time: Jun 25 05:21:52 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun
QLast Update : Fri Jun 07 08:53:27 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.74 min Scan# 872

Delta R.T. -0.01 min

Lab File: VL033957.D

Acq: 25 Jun 2019 4:33

Instrument :

MSVOA_L

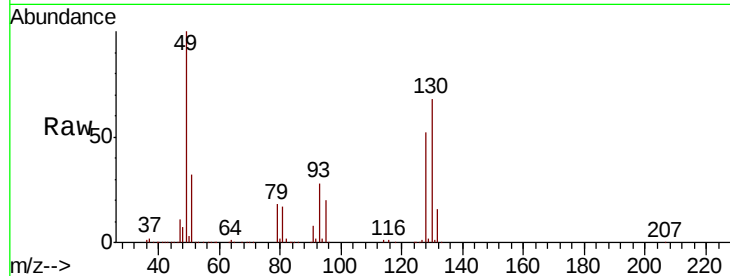
ClientSampled :

MIDDLE

Tot Ion	Ratio	Lower	Upper
49	100		
128	53.0	25.5	76.5
130	68.3	32.5	97.4

Manual Integrations
APPROVED

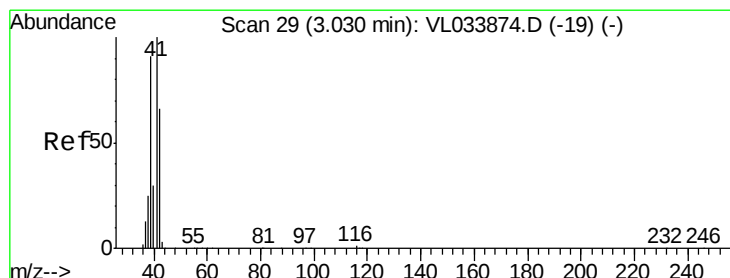
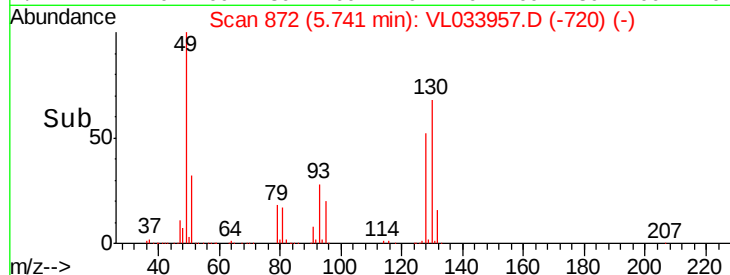
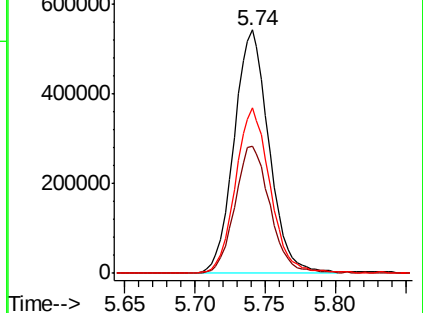
MMDadoda
6/26/2019 8:15:57 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.279 ppbv

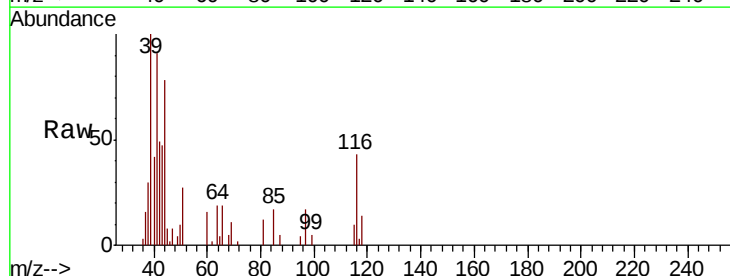
RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033957.D

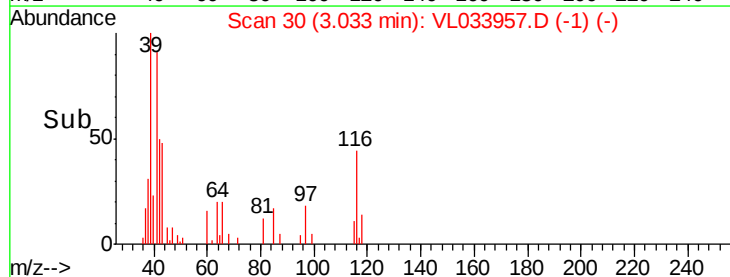
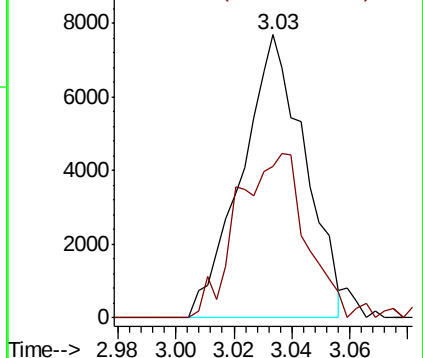
Acq: 25 Jun 2019 4:33

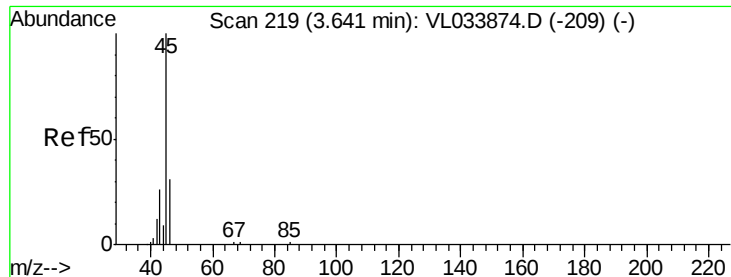
Tgt Ion	Ratio	Lower	Upper
41	100		
42	66.1	56.3	84.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





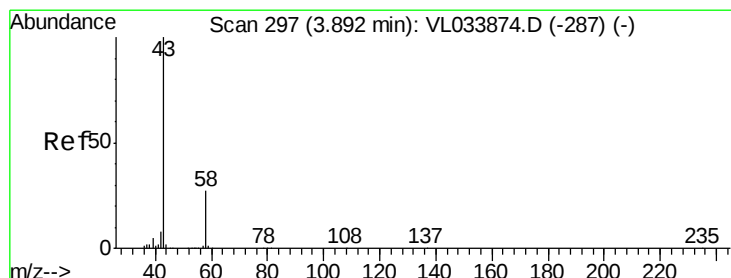
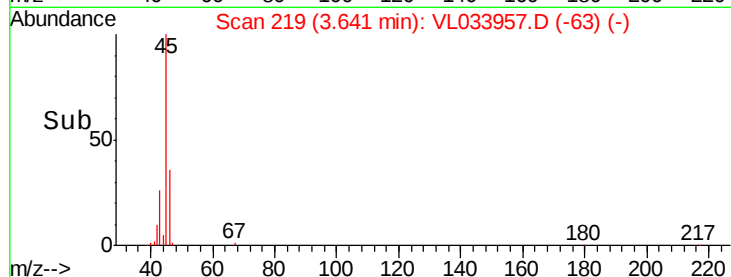
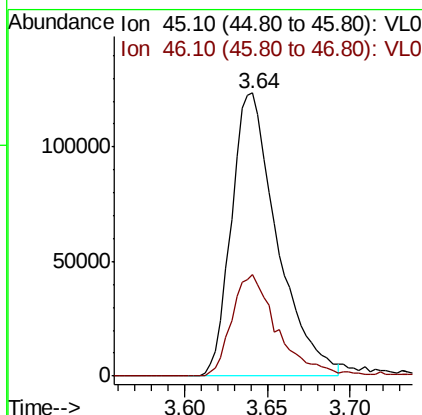
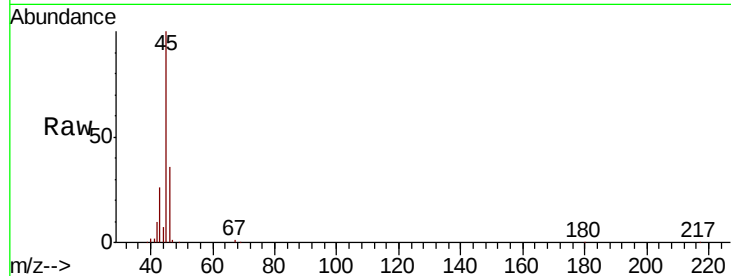
#13
Ethanol
Concen: 17.569 ppbv
RT: 3.64 min Scan# 219
Delta R.T. 0.00 min
Lab File: VL033957.D
Acq: 25 Jun 2019 4:33

Instrument :
MSVOA_L
ClientSampled :
MIDDLE

Tot Ion: 45 Resp: 237283
Ion Ratio Lower Upper
45 100
46 36.5 15.3 61.1

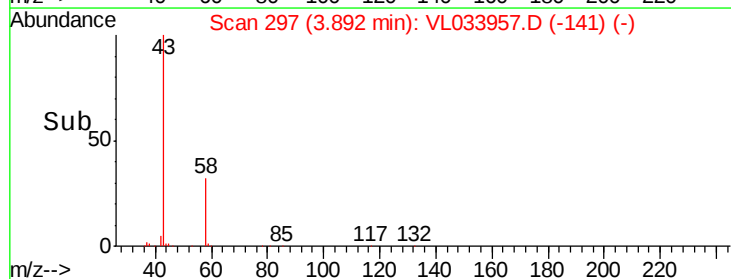
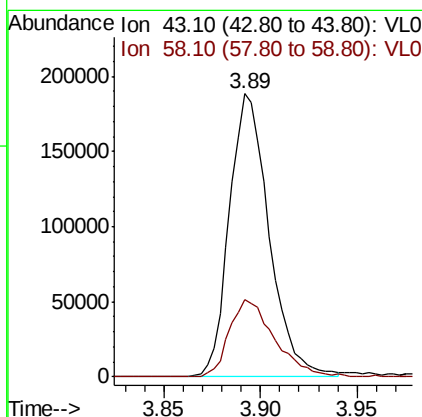
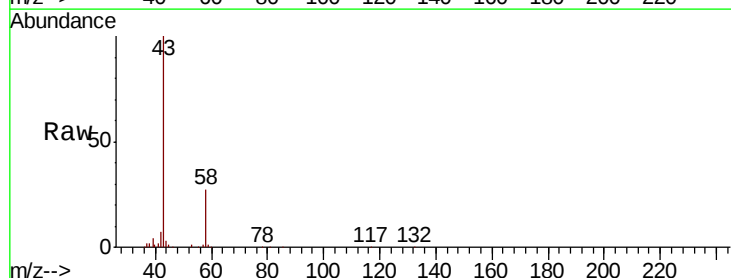
Manual Integrations
APPROVED

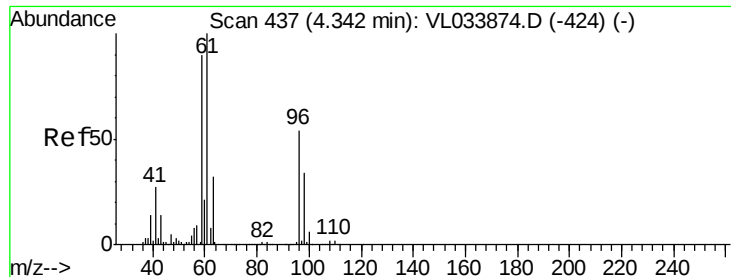
MMDadoda
6/26/2019 8:15:57 AM



#15
Acetone
Concen: 1.956 ppbv
RT: 3.89 min Scan# 297
Delta R.T. -0.00 min
Lab File: VL033957.D
Acq: 25 Jun 2019 4:33

Tgt Ion: 43 Resp: 268806
Ion Ratio Lower Upper
43 100
58 31.2 21.3 31.9





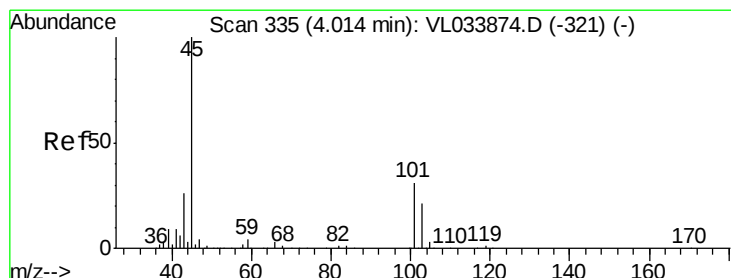
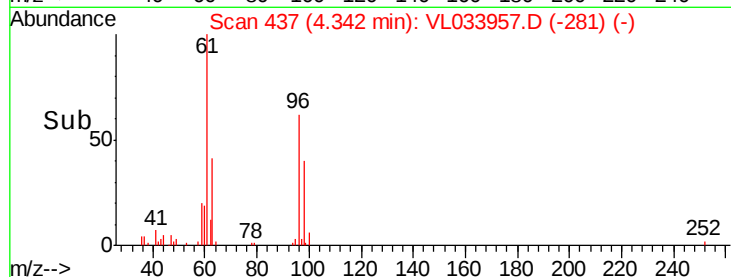
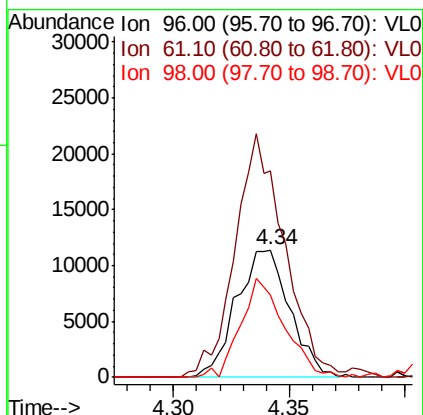
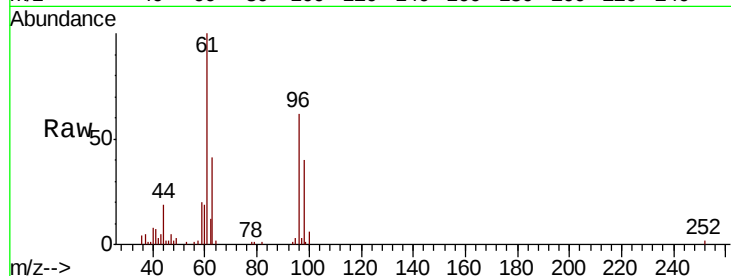
#18
 1,1-Dichloroethene
 Concen: 0.323 ppbv
 RT: 4.34 min Scan# 437
 Delta R.T. -0.00 min
 Lab File: VL033957.D
 Acq: 25 Jun 2019 4:33

Instrument :
 MSVOA_L
 ClientSampleId :
 MIDDLE

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.3	147.0	220.6
98	64.8	49.4	74.0

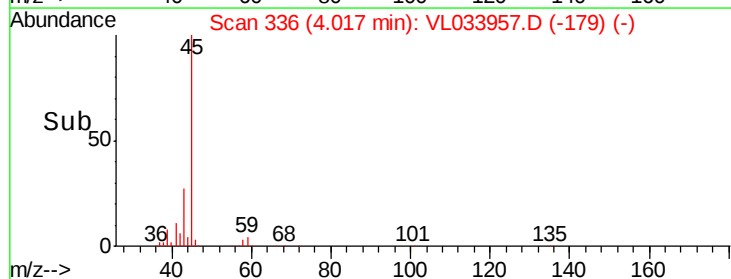
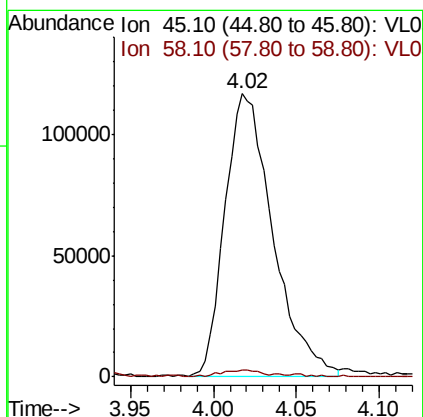
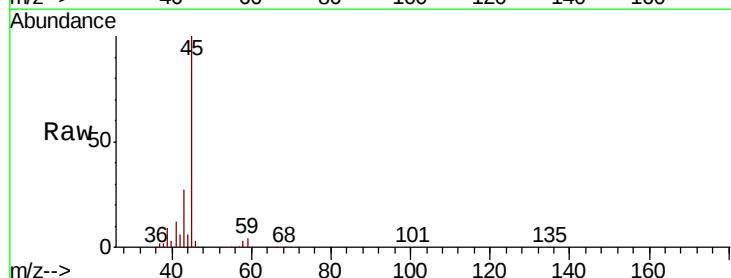
Manual Integrations
 APPROVED

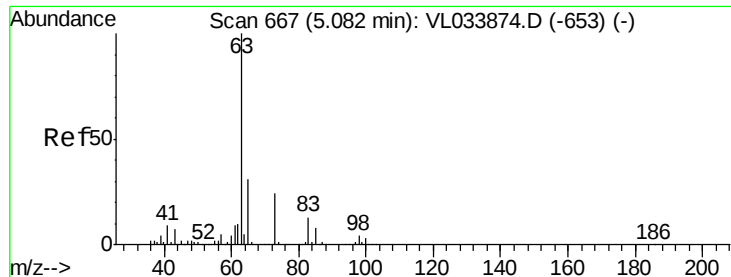
MMDadoda
 6/26/2019 8:15:57 AM



#19
 Isopropyl Alcohol
 Concen: 2.988 ppbv
 RT: 4.02 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VL033957.D
 Acq: 25 Jun 2019 4:33

Tgt Ion	Ratio	Lower	Upper
45	100		
58	2.8	1.8	2.6#





#24

1,1-Dichloroethane

Concen: 0.193 ppbv

RT: 5.07 min Scan# 664

Delta R.T. -0.01 min

Lab File: VL033957.D

Acq: 25 Jun 2019 4:33

Instrument :

MSVOA_L

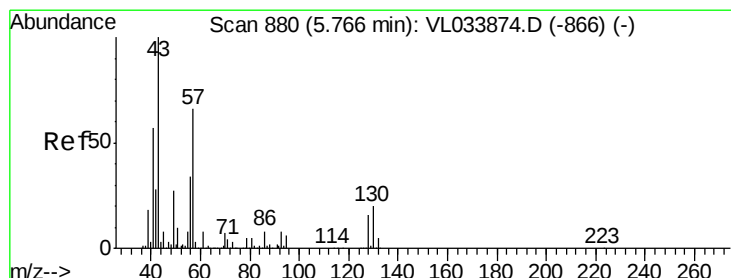
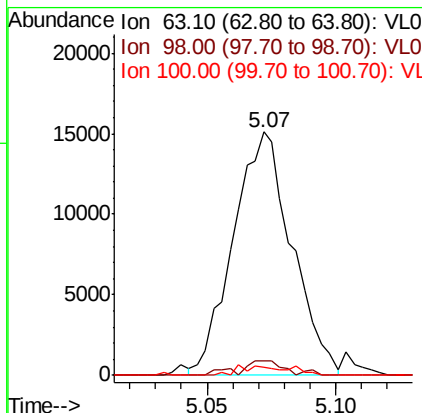
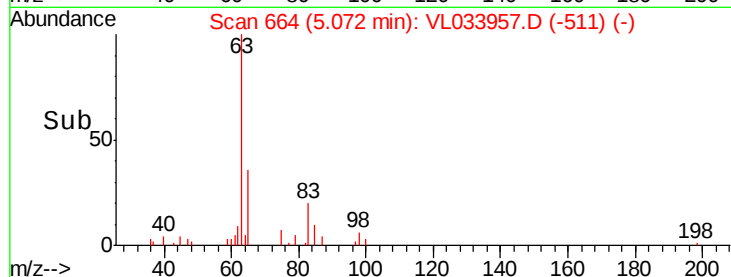
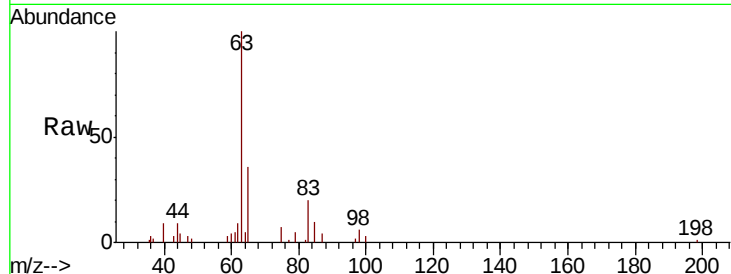
ClientSampleId :

MIDDLE

Tot Ion	Ratio	Resp	Lower	Upper
63	100	23919		
98	5.9	2.2	6.6	
100	3.3	1.3	3.8	

Manual Integrations
APPROVED

MMDadoda
6/26/2019 8:15:57 AM



#26

Hexane

Concen: 0.111 ppbv m

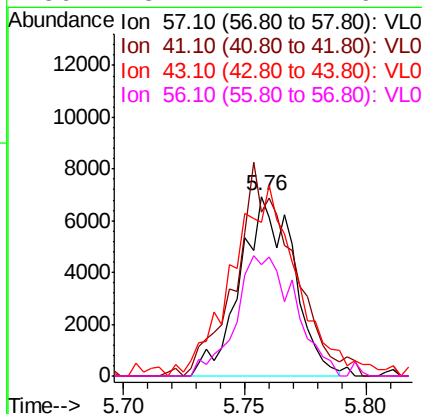
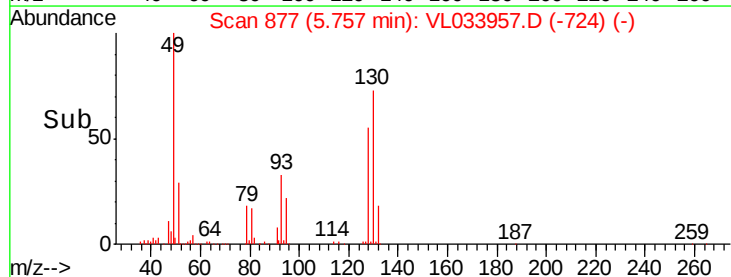
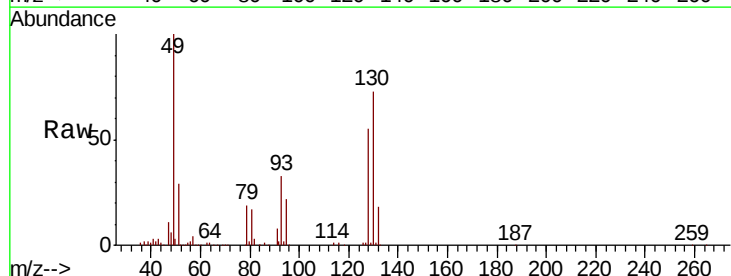
RT: 5.76 min Scan# 877

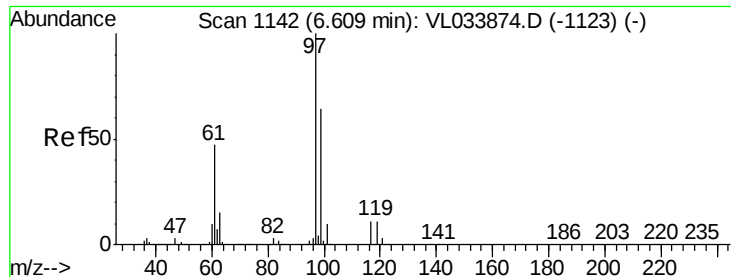
Delta R.T. -0.01 min

Lab File: VL033957.D

Acq: 25 Jun 2019 4:33

Tgt Ion	Ratio	Resp	Lower	Upper
57	100	10614		
41	125.6	71.4	107.2#	
43	133.5	183.7	275.5#	
56	75.4	42.7	64.1#	





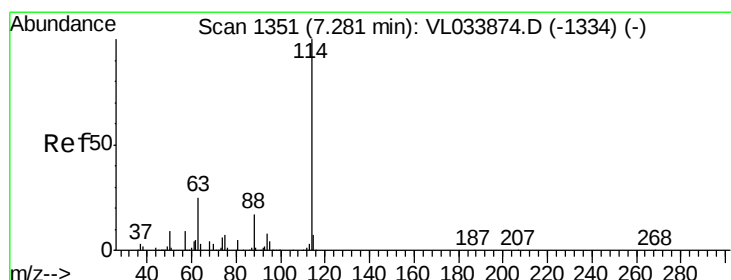
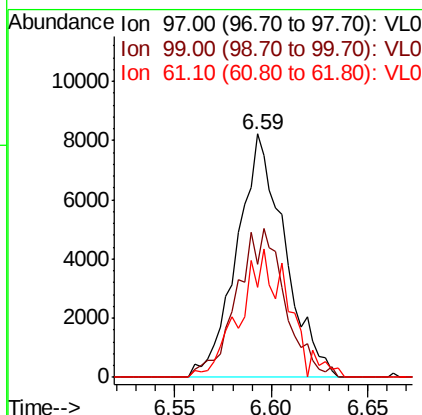
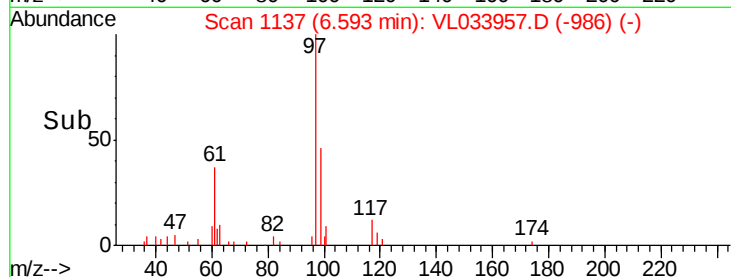
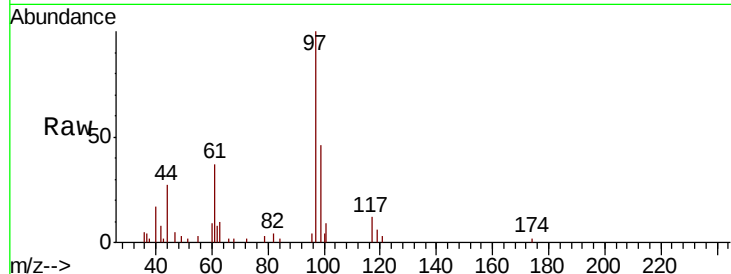
#32
 1,1,1-Trichloroethane
 Concen: 0.090 ppbv
 RT: 6.59 min Scan# 1137
 Delta R.T. -0.02 min
 Lab File: VL033957.D
 Acq: 25 Jun 2019 4:33

Instrument :
 MSVOA_L
 ClientSampled :
 MIDDLE

Tot Ion	Ratio	Lower	Upper
97	100		
99	61.7	51.7	77.5
61	53.1	37.7	56.5

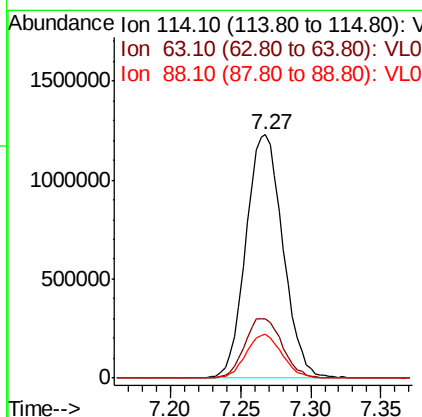
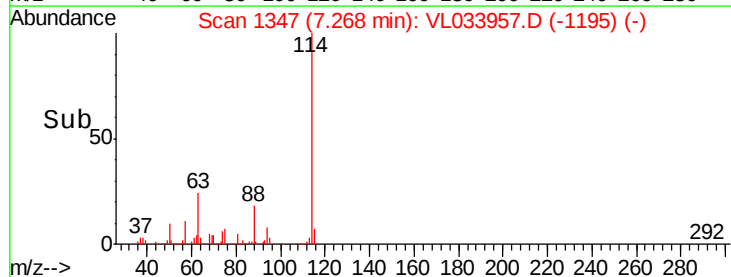
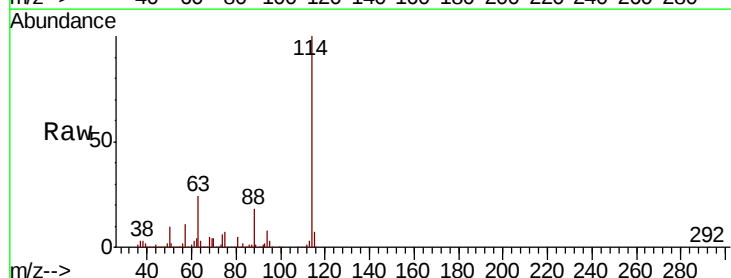
Manual Integrations
 APPROVED

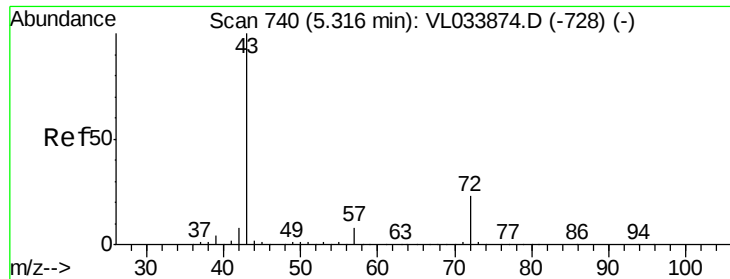
MMDadoda
 6/26/2019 8:15:57 AM



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.27 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VL033957.D
 Acq: 25 Jun 2019 4:33

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.1	21.1	31.7
88	17.5	14.2	21.4





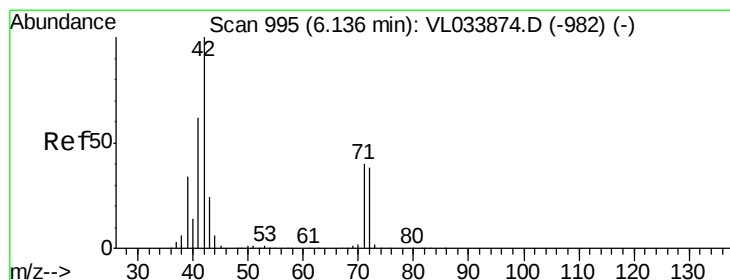
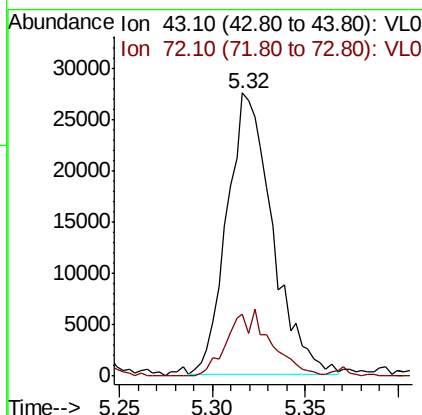
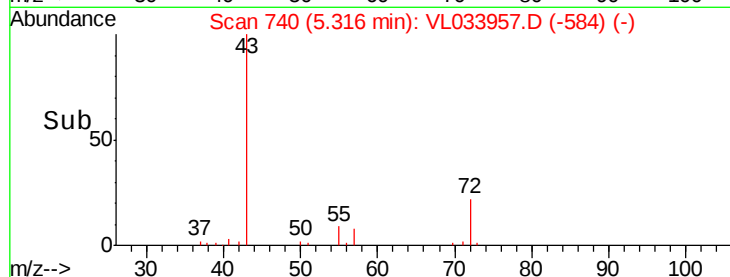
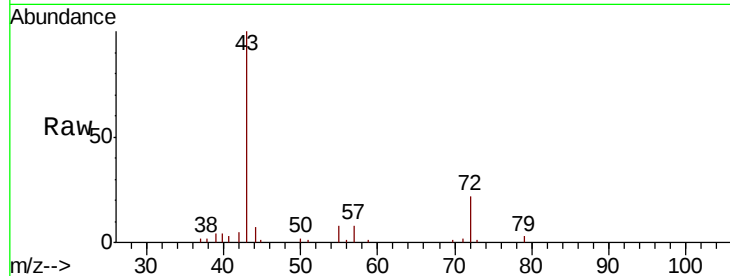
#34
2-Butanone
Concen: 0.367 ppbv
RT: 5.32 min Scan# 740
Delta R.T. -0.00 min
Lab File: VL033957.D
Acq: 25 Jun 2019 4:33

Instrument :
MSVOA_L
ClientSampleId :
MIDDLE

Tot Ion	Ratio	Lower	Upper
43	100		
72	23.5	17.9	26.9

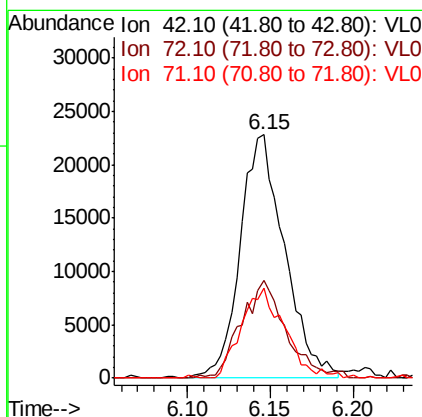
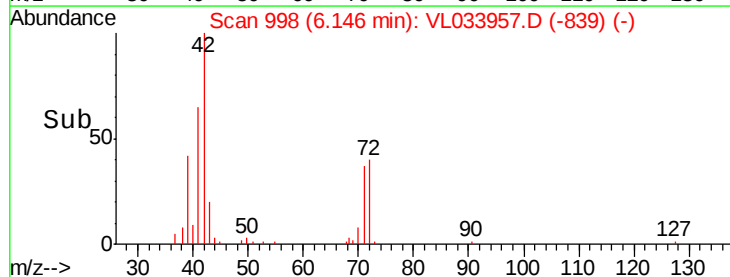
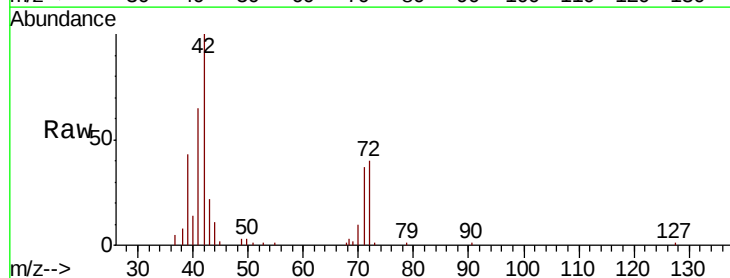
Manual Integrations
APPROVED

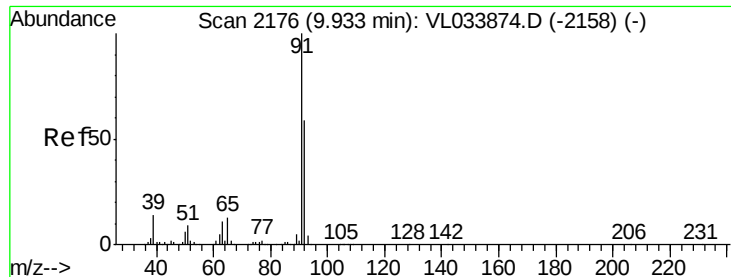
MMDadoda
6/26/2019 8:15:57 AM



#41
Tetrahydrofuran
Concen: 0.656 ppbv
RT: 6.15 min Scan# 998
Delta R.T. 0.01 min
Lab File: VL033957.D
Acq: 25 Jun 2019 4:33

Tgt Ion	Ratio	Lower	Upper
42	100		
72	40.7	32.2	48.4
71	36.3	31.7	47.5





#53

Toluene

Concen: 0.212 ppbv

RT: 9.92 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VL033957.D

Acq: 25 Jun 2019 4:33

Instrument :

MSVOA_L

ClientSampleId :

MIDDLE

Tot Ion: 91 Resp: 40430

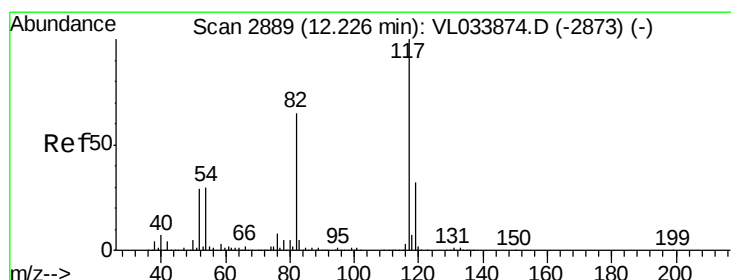
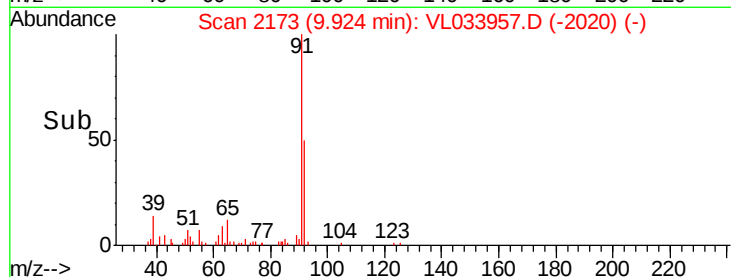
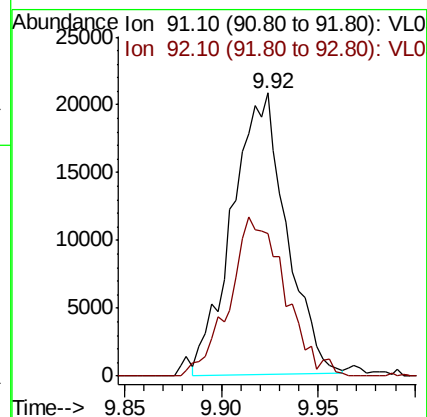
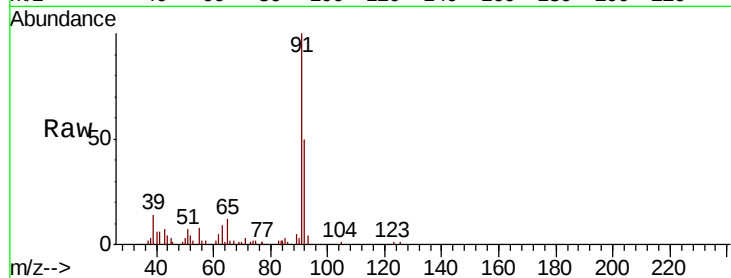
Ion Ratio Lower Upper

91 100

92 57.7 47.0 70.6

Manual Integrations
APPROVED

MMDadoda
6/26/2019 8:15:57 AM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.21 min Scan# 2884

Delta R.T. -0.02 min

Lab File: VL033957.D

Acq: 25 Jun 2019 4:33

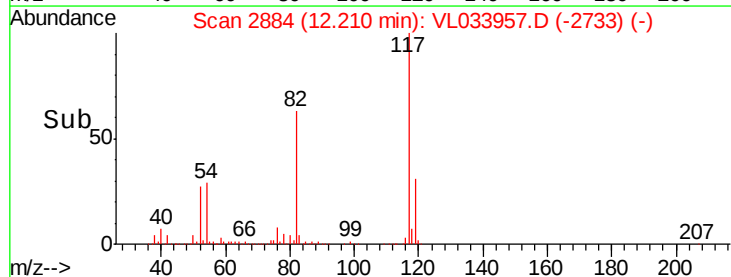
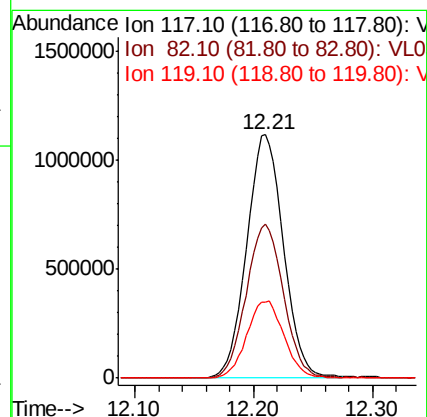
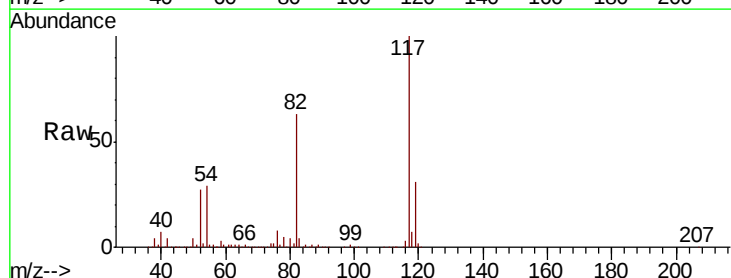
Tgt Ion: 117 Resp: 2388530

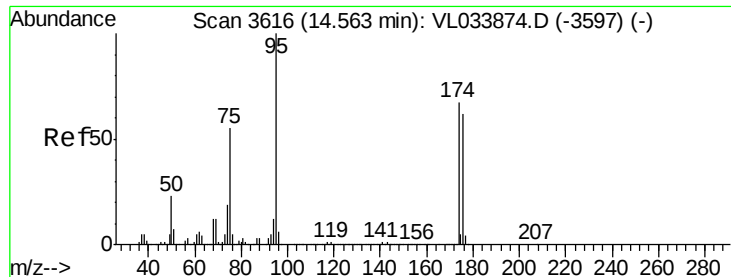
Ion Ratio Lower Upper

117 100

82 64.3 50.2 75.2

119 32.3 24.8 37.2





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.507 ppbv
 RT: 14.55 min Scan# 3611
 Delta R.T. -0.02 min
 Lab File: VL033957.D
 Acq: 25 Jun 2019 4:33

Instrument :
 MSVOA_L
 ClientSampleId :
 MIDDLE

Tot Ion	Ratio	Lower	Upper
95	100		
174	68.8	54.0	81.0
175	4.8	3.8	5.8

Manual Integrations
 APPROVED

MMDadoda
 6/26/2019 8:15:57 AM

