

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091018\
 Data File : VL032499.D
 Acq On : 11 Sep 2018 4:39
 Operator : SY/AP
 Sample : J4820-07DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 255-BERRYDL

Manual Integrations
 APPROVED

MMDadoda
 9/12/2018 3:59:50 PM

Quant Time: Sep 11 16:40:04 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL083118AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31

QLast Update : Fri Aug 31 21:33:46 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.81	49	1375542	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	3375582	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.29	117	3358874	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.62	95	2576676	10.33	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.30%

Target Compounds

						Ovalue
4) Chloromethane	3.20	50	16431	0.22	ppbv	92
9) Propene	3.06	41	2036322	40.54	ppbv	98
13) Ethanol	3.68	45	438372	28.00	ppbv	99
15) Acetone	3.93	43	4294487m	34.67	ppbv	
20) Methylene Chloride	4.45	84	24186m	0.51	ppbv	
29) Chloroform	5.90	83	147981	0.74	ppbv	99
34) 2-Butanone	5.37	43	19794687	88.28	ppbv #	82
36) Benzene	7.05	78	57129m	0.20	ppbv	
51) 2-Hexanone	10.31	43	4624083	21.25	ppbv #	99
52) Tetrachloroethene	11.42	164	8546m	0.10	ppbv	
53) Toluene	10.00	91	71113	0.24	ppbv	98
58) Ethyl Benzene	12.91	91	44231	0.11	ppbv	93
59) m/p-Xylene	13.17	91	124434	0.35	ppbv	97
60) o-Xylene	13.90	91	64308m	0.18	ppbv	
61) Styrene	13.73	104	66490	0.29	ppbv	99
62) Isopropylbenzene	14.88	105	63212m	0.13	ppbv	

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

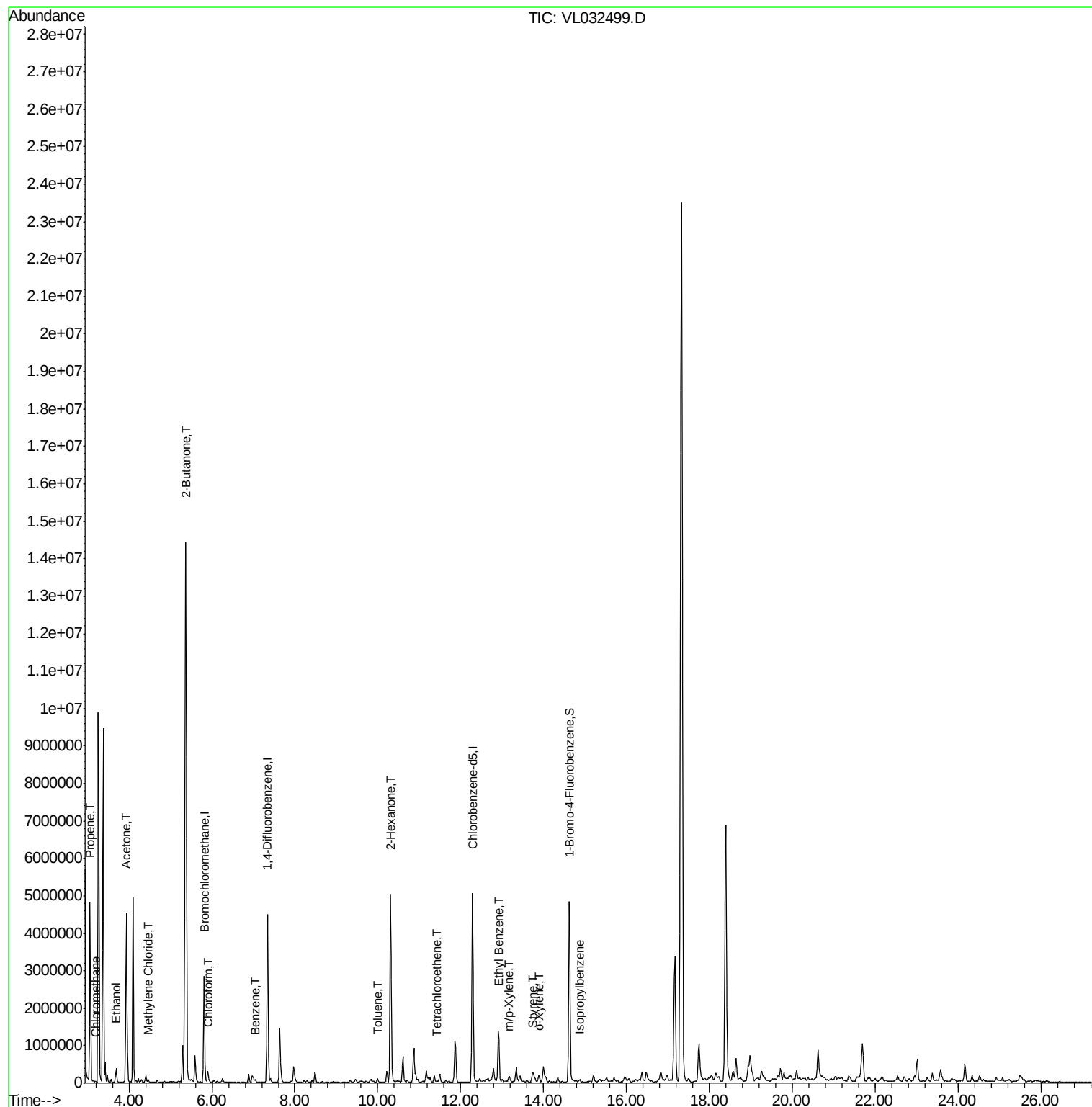
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL091018\
Data File : VL032499.D
Acq On : 11 Sep 2018 4:39
Operator : SY/AP
Sample : J4820-07DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

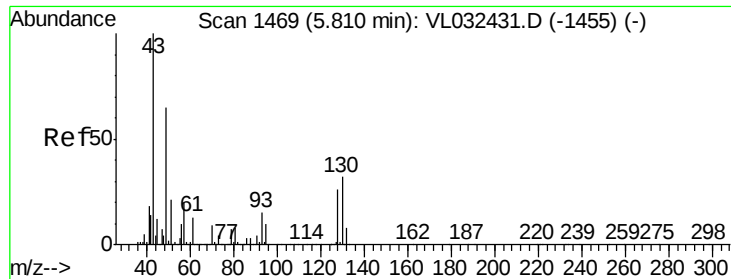
Instrument :
MSVOA_L
ClientSampleId :
255-BERRYDL

Manual Integrations
APPROVED

MMDadoda
9/12/2018 3:59:50 PM

Quant Time: Sep 11 16:40:04 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Aug 31 21:33:46 2018
Response via : Initial Calibration





#1

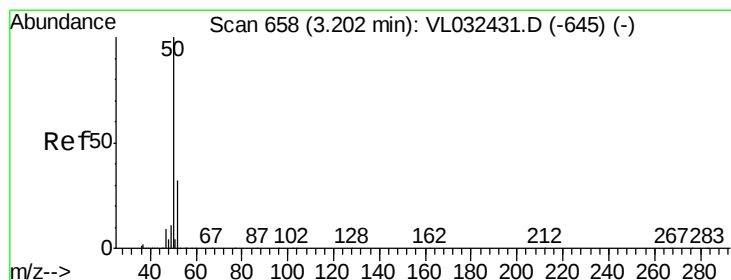
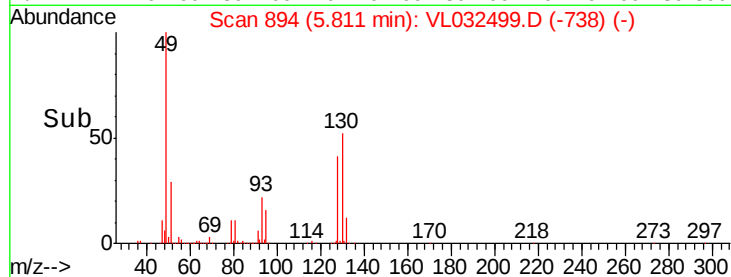
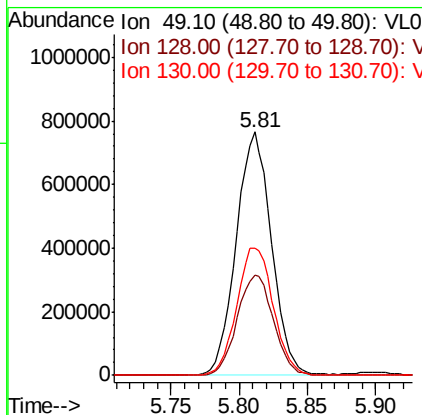
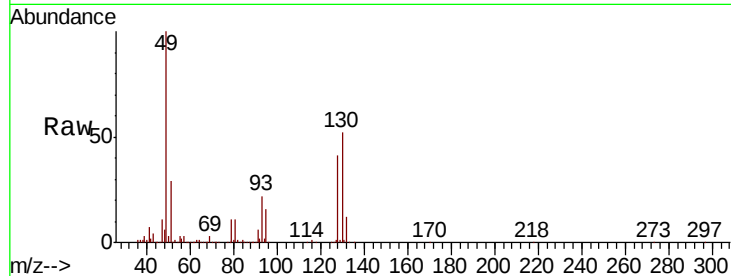
Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.81 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VL032499.D
 Acq: 11 Sep 2018 4:39

Instrument :
 MSVOA_L
 ClientSampleId :
 255-BERRYDL

Tot Ion	Ratio	Lower	Upper
49	100		
128	42.5	20.7	62.1
130	54.5	26.6	79.7

Manual Integrations
 APPROVED

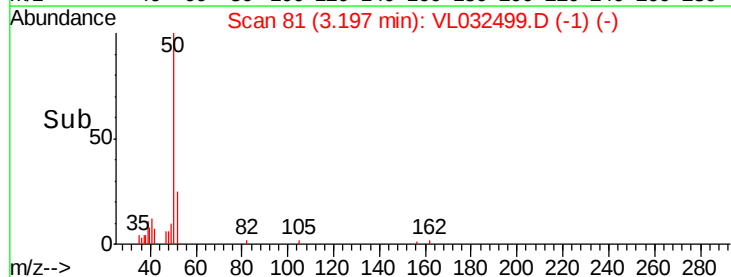
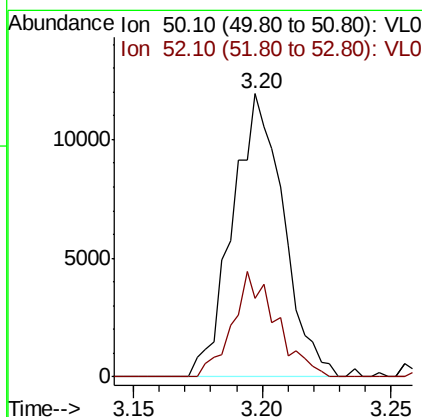
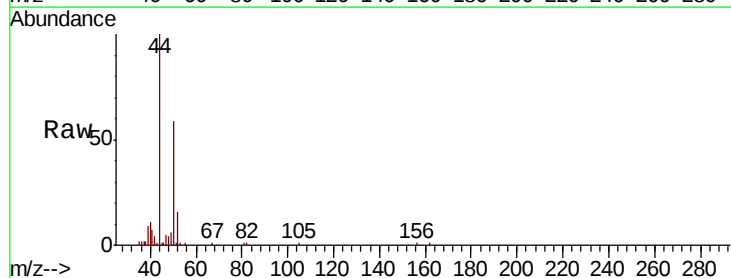
MMDadoda
 9/12/2018 3:59:50 PM

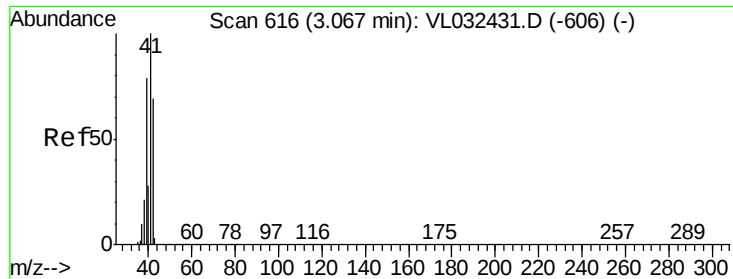


#4

Chloromethane
 Concen: 0.22 ppbv
 RT: 3.20 min Scan# 81
 Delta R.T. -0.01 min
 Lab File: VL032499.D
 Acq: 11 Sep 2018 4:39

Tgt Ion	Ratio	Lower	Upper
50	100		
52	27.8	25.6	38.4





#9

Propene

Concen: 40.54 ppbv

RT: 3.06 min Scan# 39

Delta R.T. -0.01 min

Lab File: VL032499.D

Acq: 11 Sep 2018 4:39

Instrument :

MSVOA_L

ClientSampleId :

255-BERRYDL

Tot Ion: 41 Resp: 2036322

Ion Ratio Lower Upper

41 100

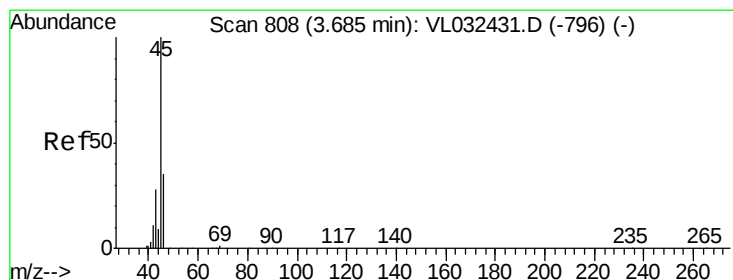
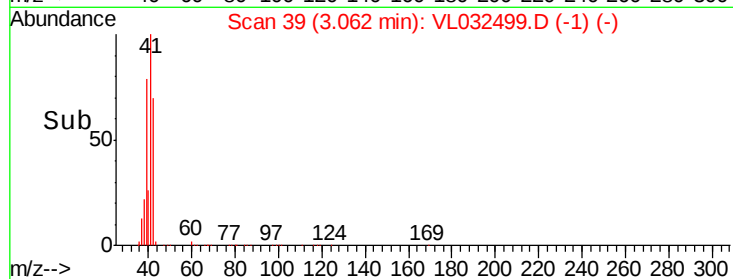
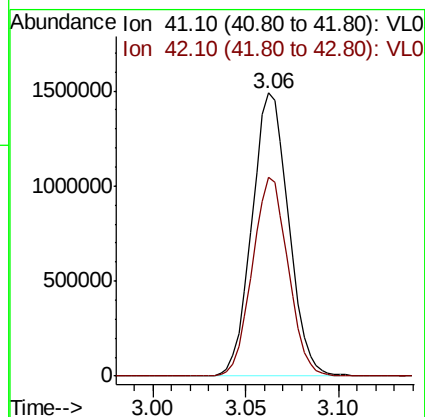
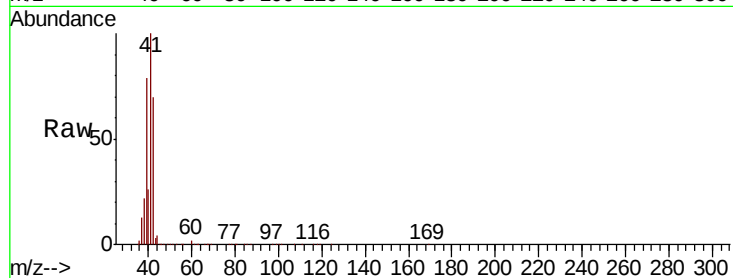
42 68.9 56.6 84.8

Manual Integrations

APPROVED

MMDadoda

9/12/2018 3:59:50 PM



#13

Ethanol

Concen: 28.00 ppbv

RT: 3.68 min Scan# 232

Delta R.T. -0.00 min

Lab File: VL032499.D

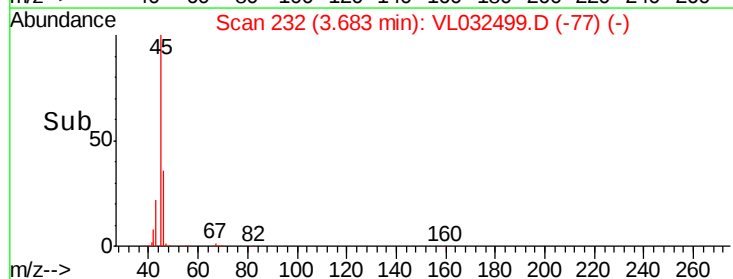
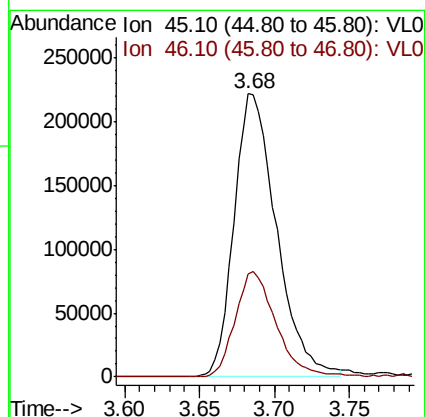
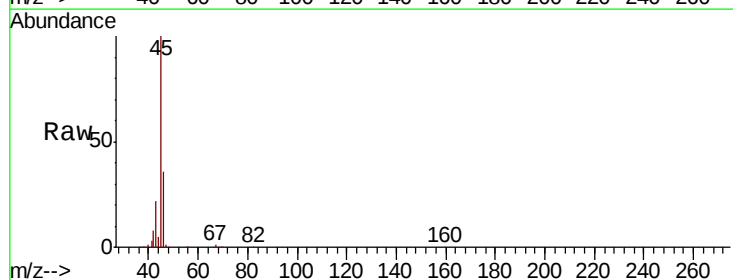
Acq: 11 Sep 2018 4:39

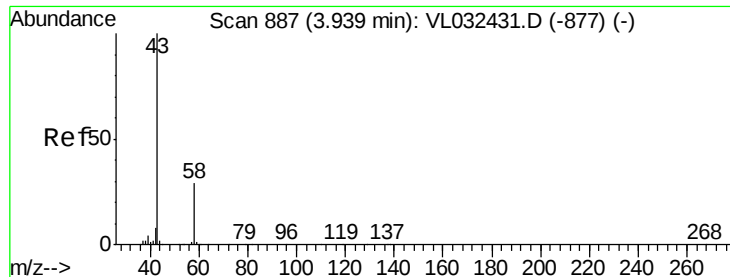
Tgt Ion: 45 Resp: 438372

Ion Ratio Lower Upper

45 100

46 36.1 14.2 56.8





#15

Acetone

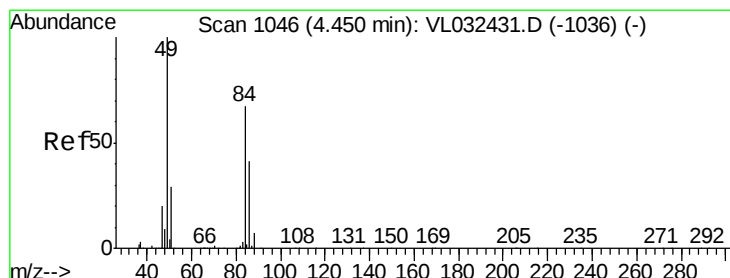
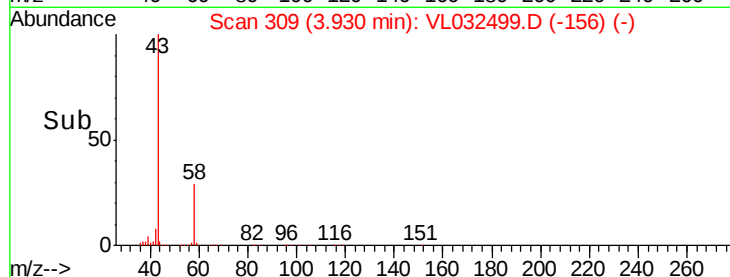
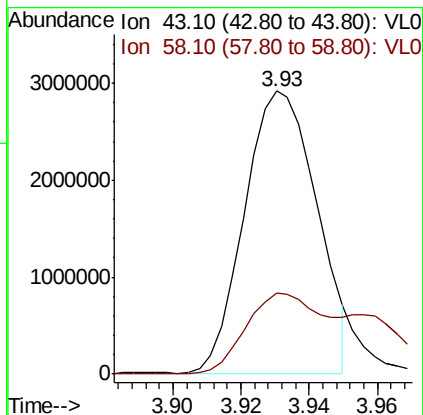
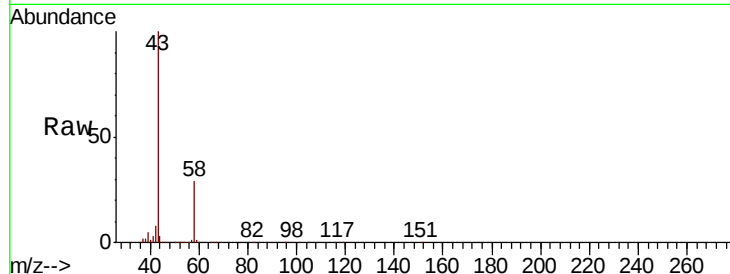
Concen: 34.67 ppbv m
RT: 3.93 min Scan# 309
Delta R.T. -0.01 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Instrument :
MSVOA_L
ClientSampleId :
255-BERRYDL

Tot Ion: 43 Resp: 4294487
Ion Ratio Lower Upper
43 100
58 49.0 22.6 33.8#

Manual Integrations
APPROVED

MMDadoda
9/12/2018 3:59:50 PM

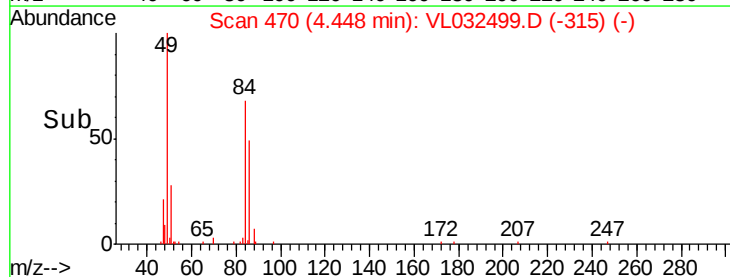
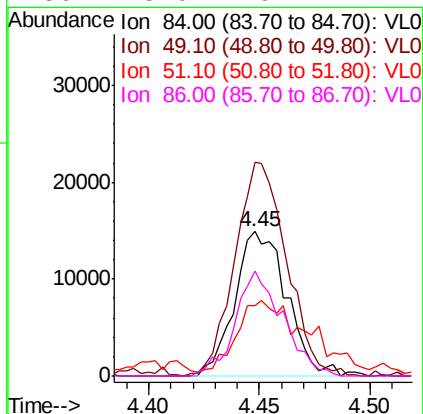
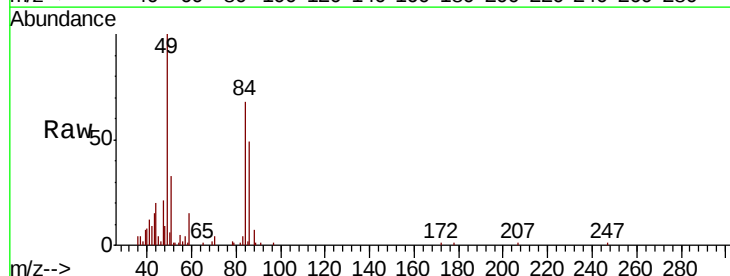


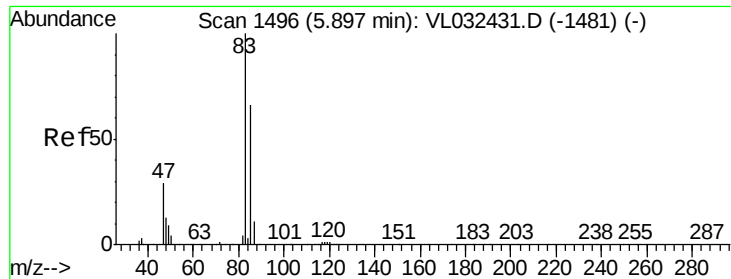
#20

Methylene Chloride

Concen: 0.51 ppbv m
RT: 4.45 min Scan# 470
Delta R.T. -0.00 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Tgt Ion: 84 Resp: 24186
Ion Ratio Lower Upper
84 100
49 148.1 119.1 178.7
51 48.8 35.2 52.8
86 73.0 49.4 74.2





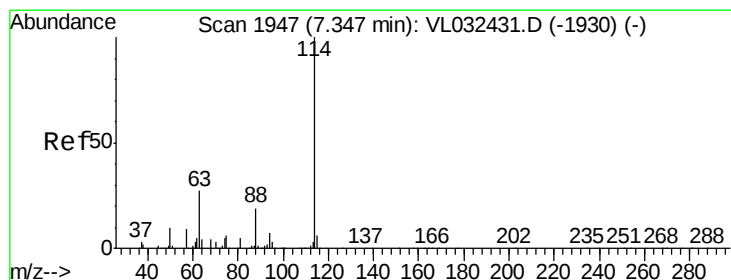
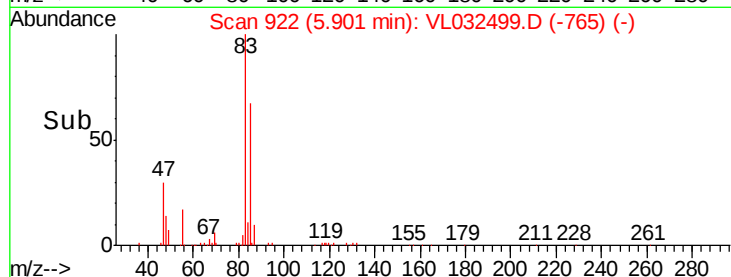
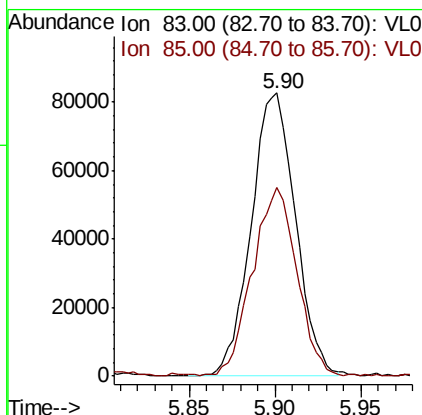
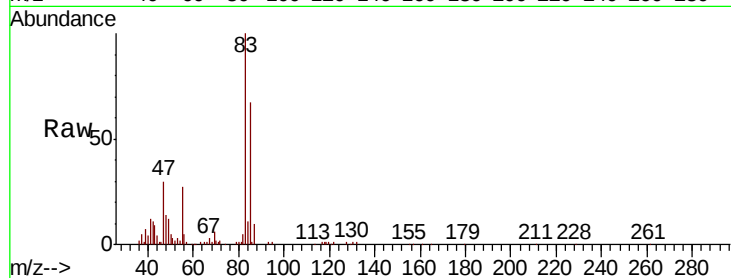
#29
Chloroform
Concen: 0.74 ppbv
RT: 5.90 min Scan# 922
Delta R.T. 0.00 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Instrument :
MSVOA_L
ClientSampleId :
255-BERRYDL

Tot Ion	83	Resp	147981
Ion Ratio	Lower	Upper	
83	100		
85	66.2	52.5	78.7

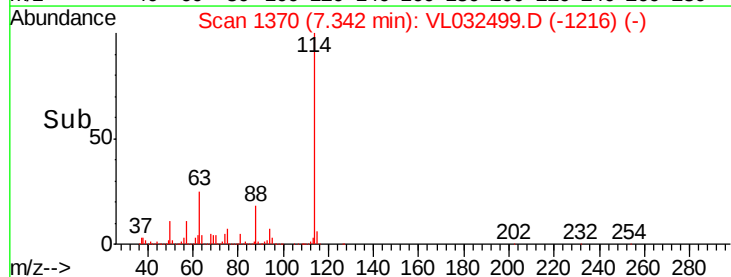
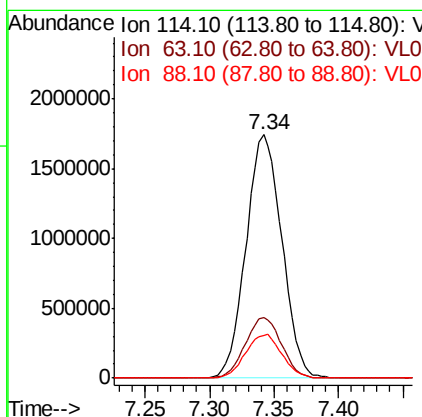
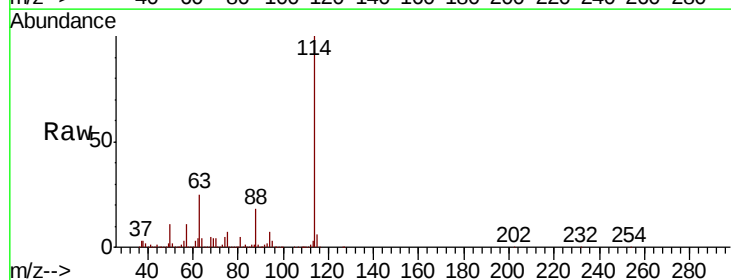
Manual Integrations
APPROVED

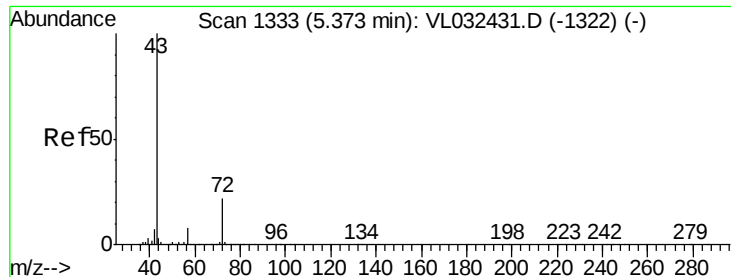
MMDadoda
9/12/2018 3:59:50 PM



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.34 min Scan# 1370
Delta R.T. -0.01 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Tgt Ion	114	Resp	3375582
Ion Ratio	Lower	Upper	
114	100		
63	25.3	22.2	33.4
88	18.3	15.0	22.4





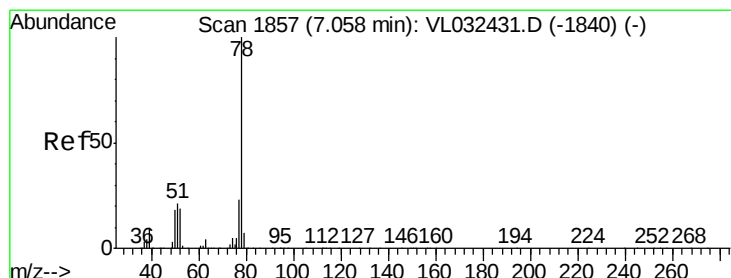
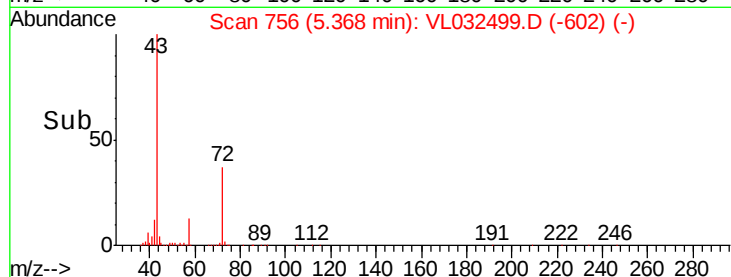
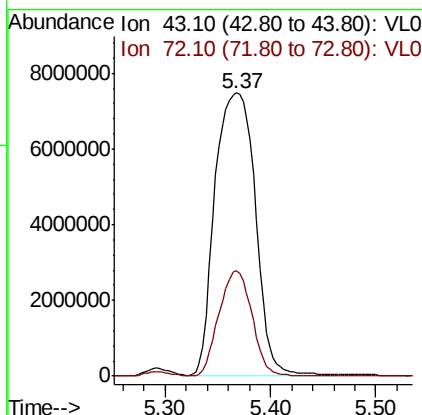
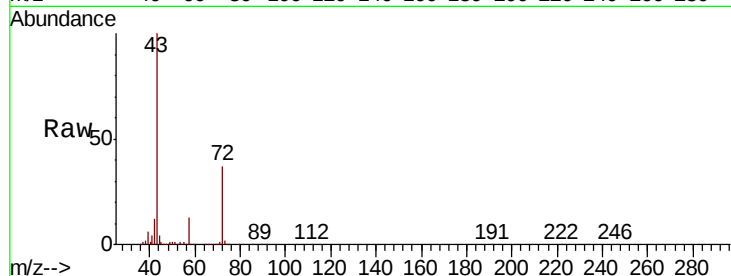
#34
2-Butanone
Concen: 88.28 ppbv
RT: 5.37 min Scan# 756
Delta R.T. -0.01 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Instrument :
MSVOA_L
ClientSampleId :
255-BERRYDL

Tot Ion: 43 Resp:19794687
Ion Ratio Lower Upper
43 100
72 30.7 17.8 26.6#

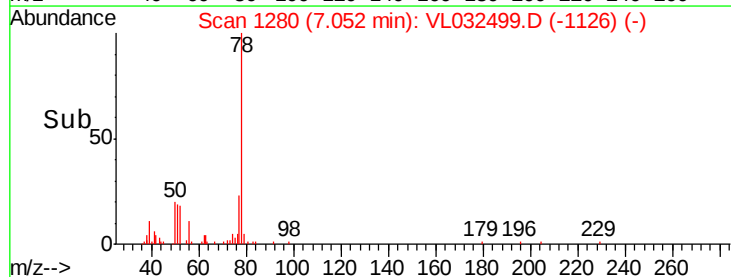
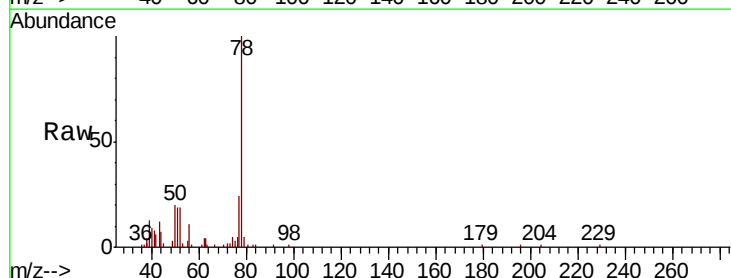
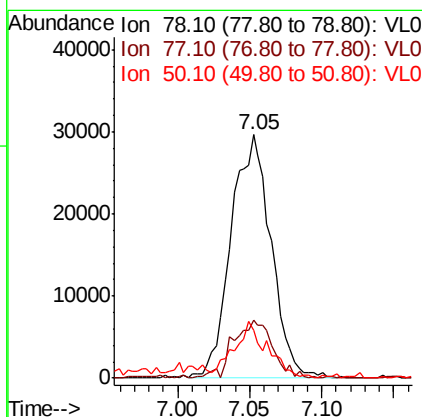
Manual Integrations
APPROVED

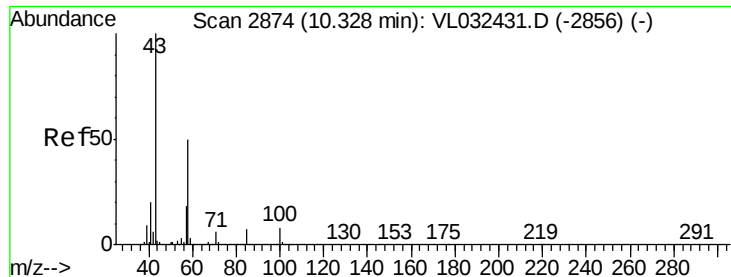
MMDadoda
9/12/2018 3:59:50 PM



#36
Benzene
Concen: 0.20 ppbv m
RT: 7.05 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Tgt Ion: 78 Resp: 57129
Ion Ratio Lower Upper
78 100
77 23.9 18.4 27.6
50 19.6 14.4 21.6





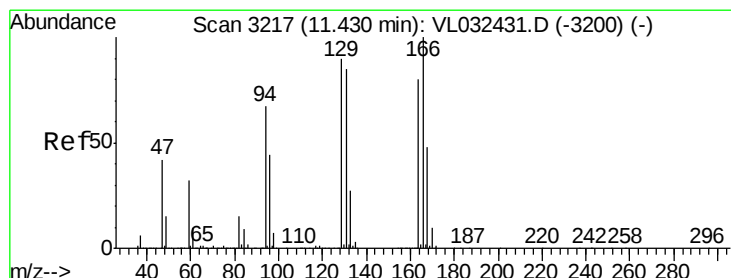
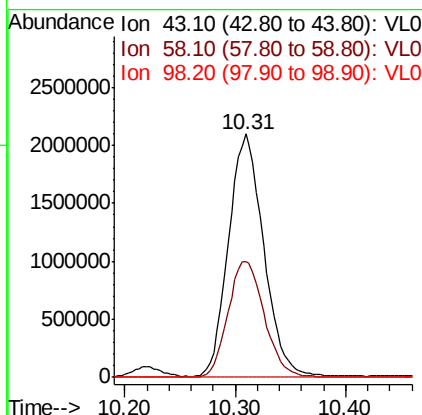
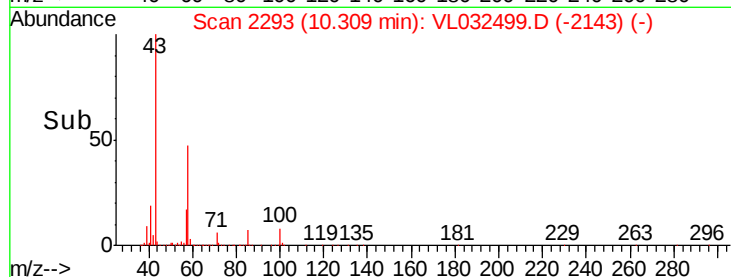
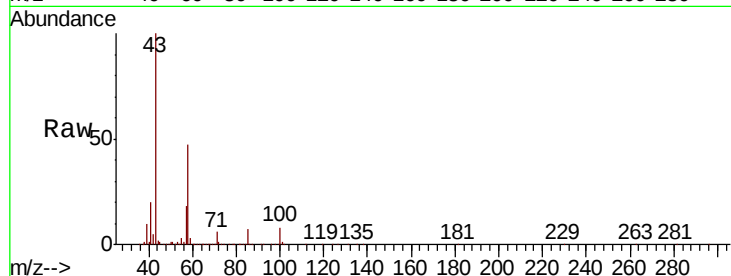
#51
2-Hexanone
Concen: 21.25 ppbv
RT: 10.31 min Scan# 2293
Delta R.T. -0.02 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Instrument :
MSVOA_L
ClientSampleId :
255-BERRYDL

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.7	39.2	58.8
98	0.1	0.4	0.6#

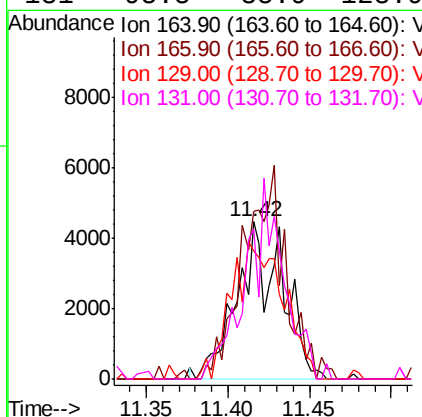
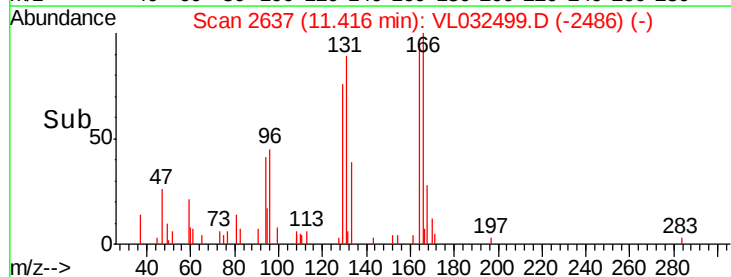
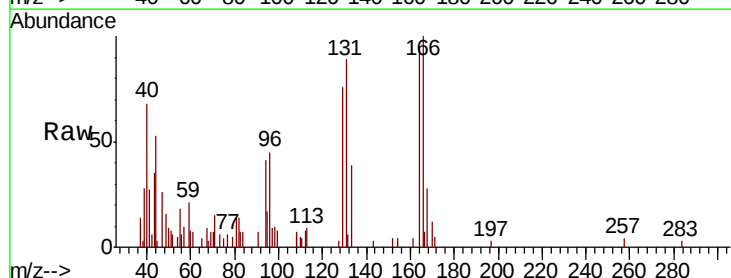
Manual Integrations
APPROVED

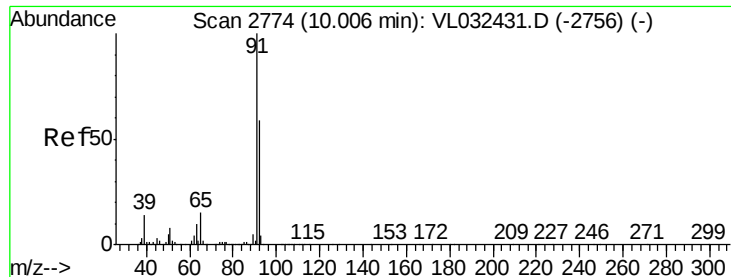
MMDadoda
9/12/2018 3:59:50 PM



#52
Tetrachloroethene
Concen: 0.10 ppbv m
RT: 11.42 min Scan# 2637
Delta R.T. -0.01 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	106.9	100.6	150.8
129	81.3	89.9	134.9#
131	95.5	85.9	128.9





#53

Toluene

Concen: 0.24 ppbv

RT: 10.00 min Scan# 2196

Delta R.T. -0.01 min

Lab File: VL032499.D

Acq: 11 Sep 2018 4:39

Instrument :

MSVOA_L

ClientSampleId :

255-BERRYDL

Tot Ion: 91 Resp: 71113

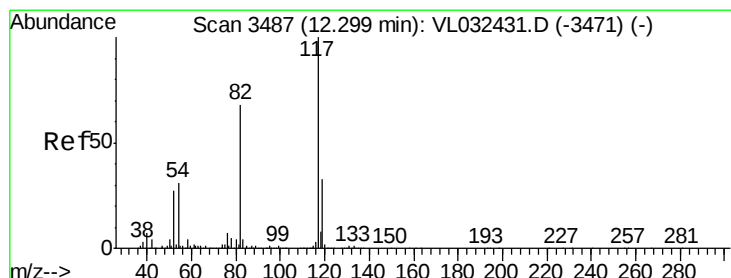
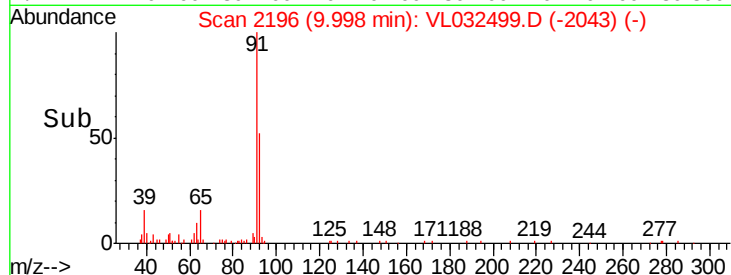
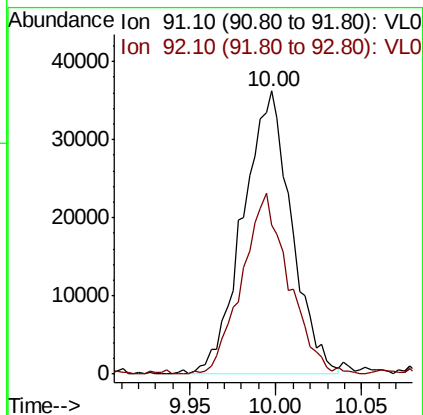
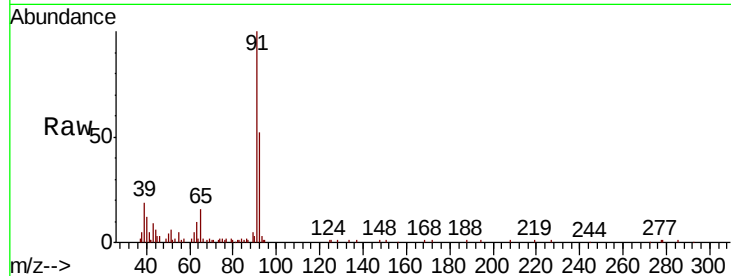
Ion Ratio Lower Upper

91 100

92 61.9 48.1 72.1

Manual Integrations
APPROVED

MMDadoda
9/12/2018 3:59:50 PM



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.29 min Scan# 2908

Delta R.T. -0.01 min

Lab File: VL032499.D

Acq: 11 Sep 2018 4:39

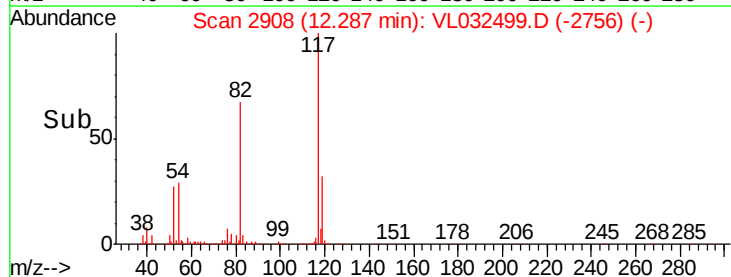
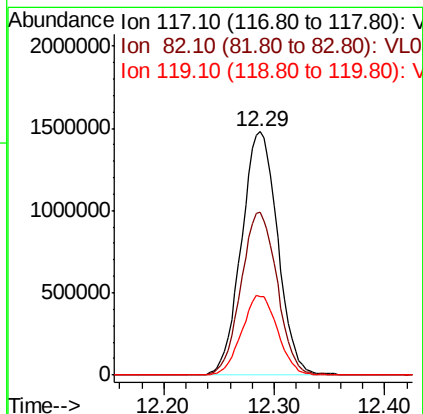
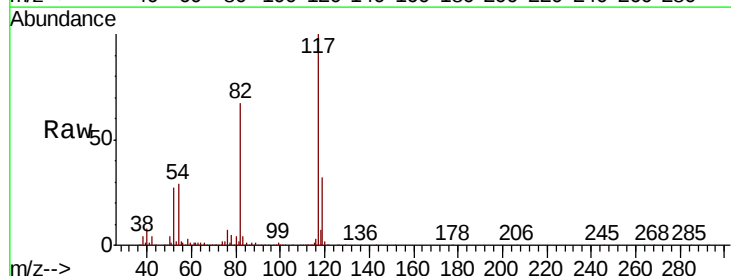
Tgt Ion: 117 Resp: 3358874

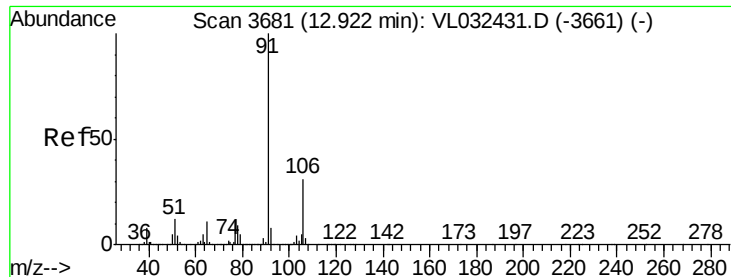
Ion Ratio Lower Upper

117 100

82 67.0 53.0 79.6

119 32.5 45.9 68.9#





#58

Ethyl Benzene

Concen: 0.11 ppbv

RT: 12.91 min Scan# 3102

Delta R.T. -0.01 min

Lab File: VL032499.D

Acq: 11 Sep 2018 4:39

Instrument :

MSVOA_L

ClientSampleId :

255-BERRYDL

Tot Ion: 91 Resp: 44231

Ion Ratio Lower Upper

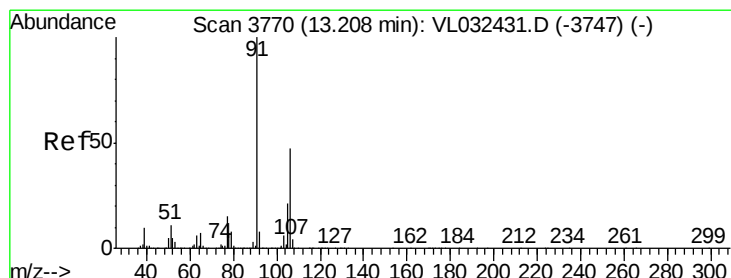
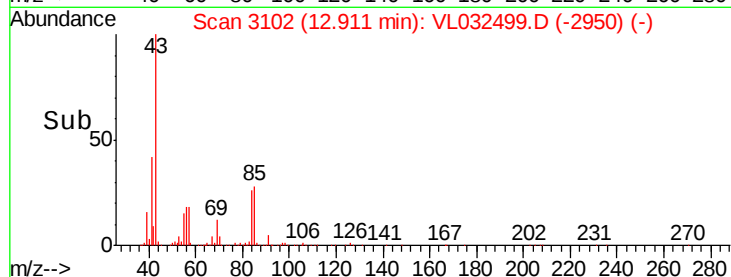
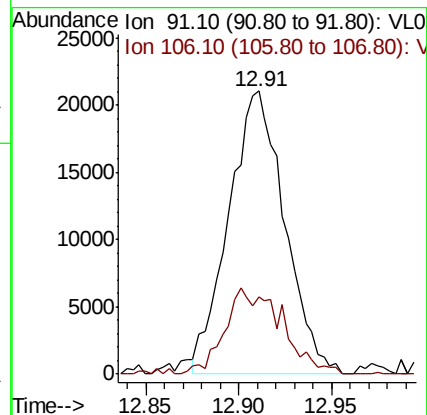
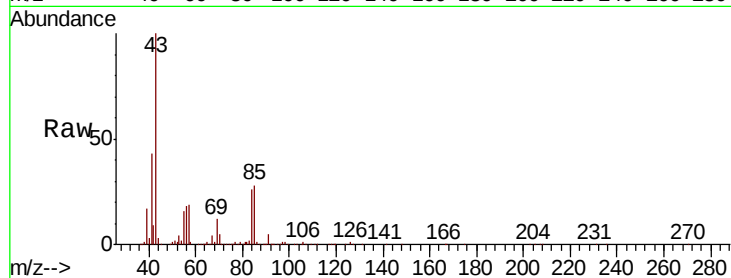
91 100

106 27.2 24.8 37.2

Manual Integrations
APPROVED

MMDadoda

9/12/2018 3:59:50 PM



#59

m/p-Xylene

Concen: 0.35 ppbv

RT: 13.17 min Scan# 3182

Delta R.T. -0.04 min

Lab File: VL032499.D

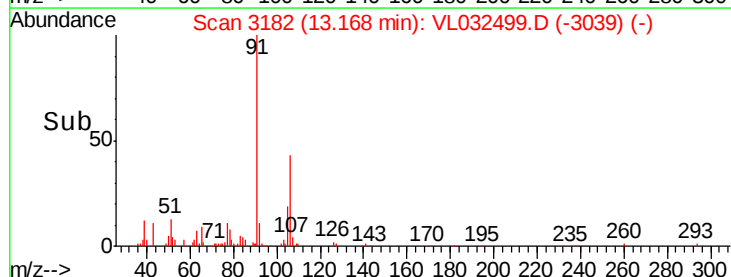
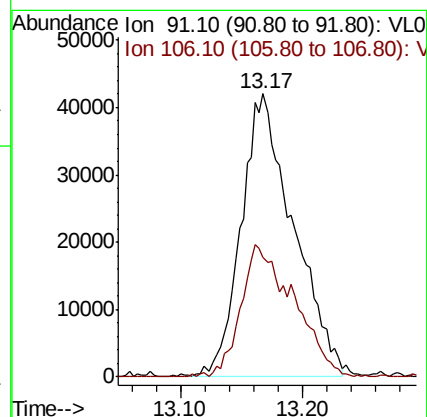
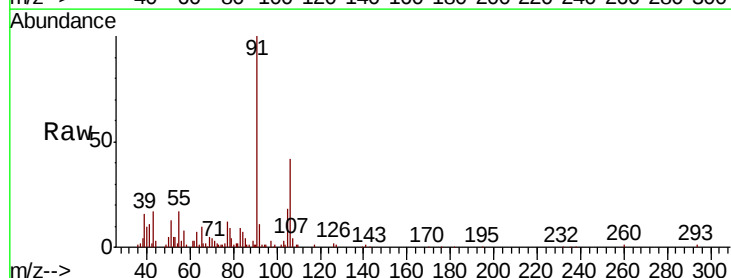
Acq: 11 Sep 2018 4:39

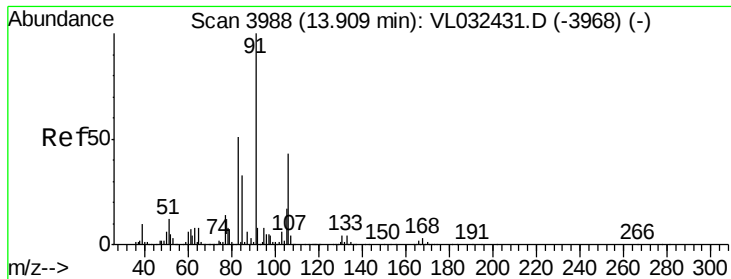
Tgt Ion: 91 Resp: 124434

Ion Ratio Lower Upper

91 100

106 47.7 36.6 55.0





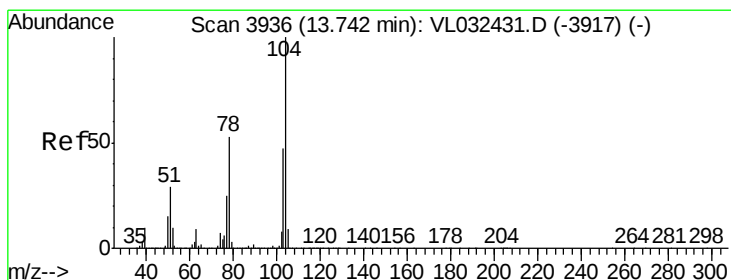
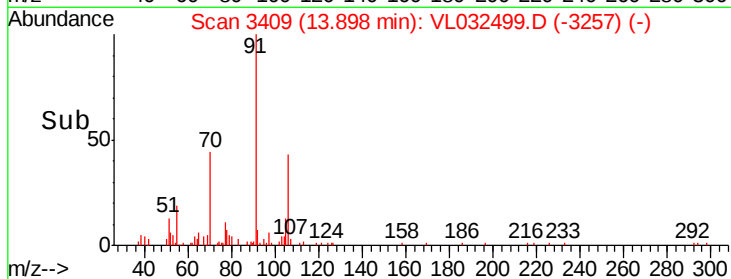
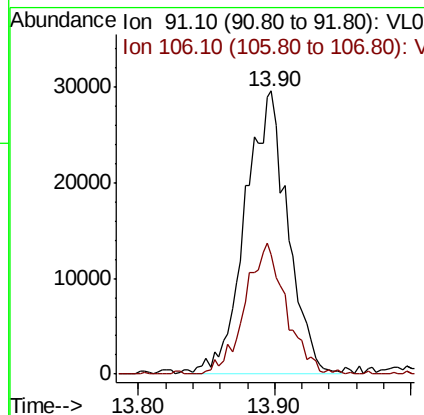
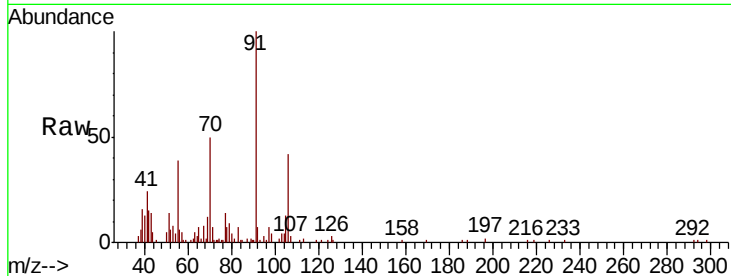
#60
o-Xylene
Concen: 0.18 ppbv m
RT: 13.90 min Scan# 3409
Delta R.T. -0.01 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Instrument :
MSVOA_L
ClientSampleId :
255-BERRYDL

Tot Ion	Ratio	Lower	Upper
91	100		
106	44.7	21.9	65.7

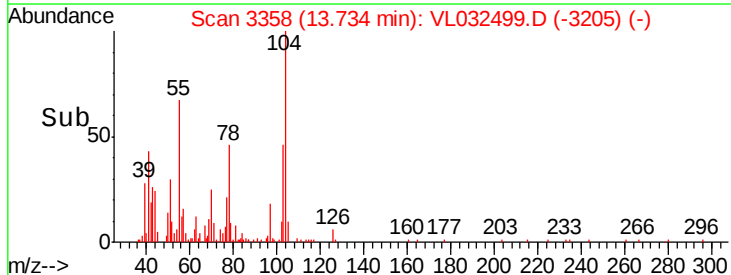
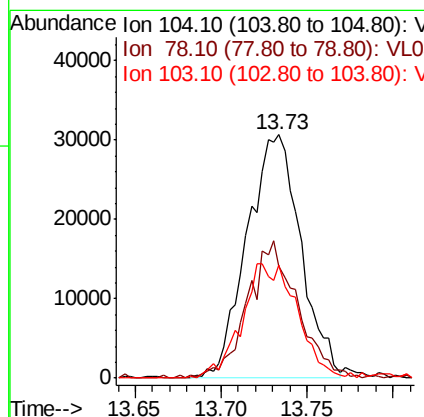
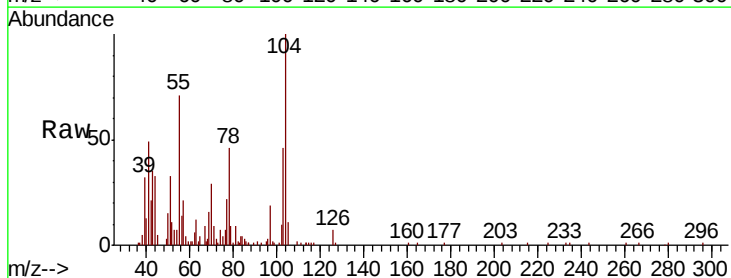
Manual Integrations
APPROVED

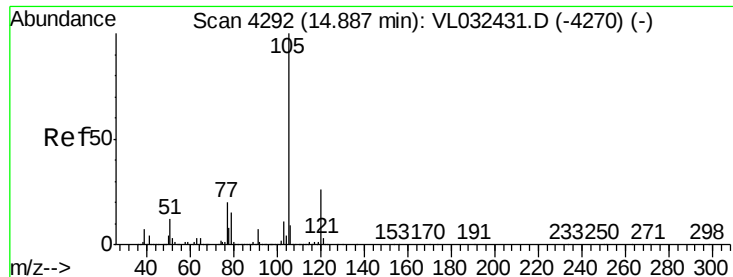
MMDadoda
9/12/2018 3:59:50 PM



#61
Styrene
Concen: 0.29 ppbv
RT: 13.73 min Scan# 3358
Delta R.T. -0.01 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.8	41.8	62.8
103	48.1	38.0	57.0





#62

Isopropylbenzene

Concen: 0.13 ppbv m

RT: 14.88 min Scan# 3713

Delta R.T. -0.01 min

Lab File: VL032499.D

Acq: 11 Sep 2018 4:39

Instrument :

MSVOA_L

ClientSampleId :

255-BERRYDL

Tot Ion: 105 Resp: 63212

Ion Ratio Lower Upper

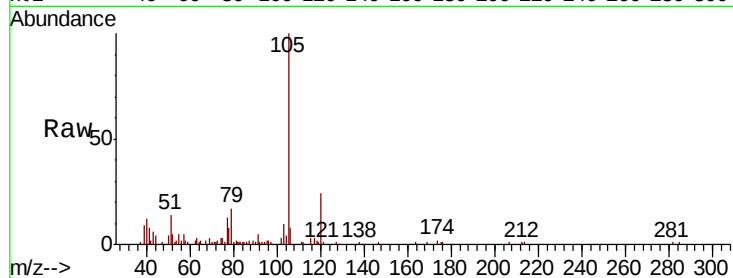
105 100

120 0.0 20.6 31.0#

Manual Integrations
APPROVED

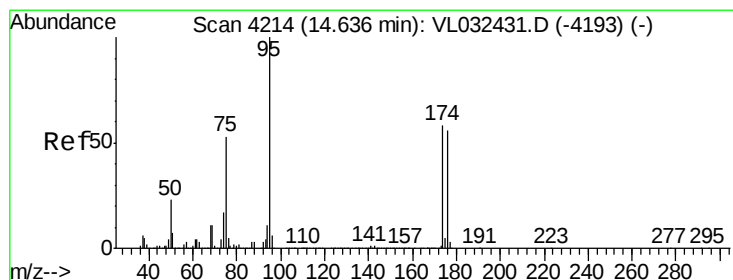
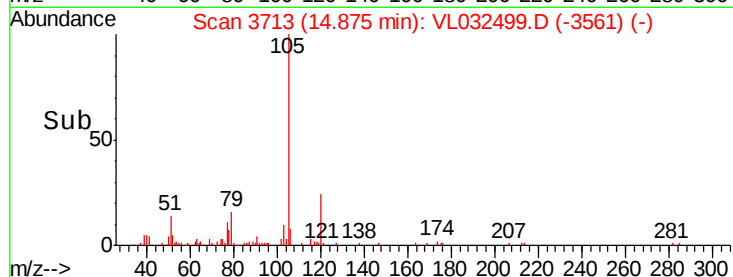
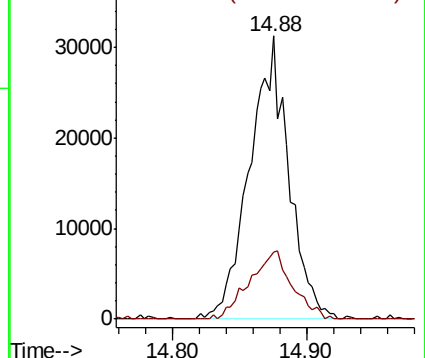
MMDadoda

9/12/2018 3:59:50 PM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.33 ppbv

RT: 14.62 min Scan# 3634

Delta R.T. -0.01 min

Lab File: VL032499.D

Acq: 11 Sep 2018 4:39

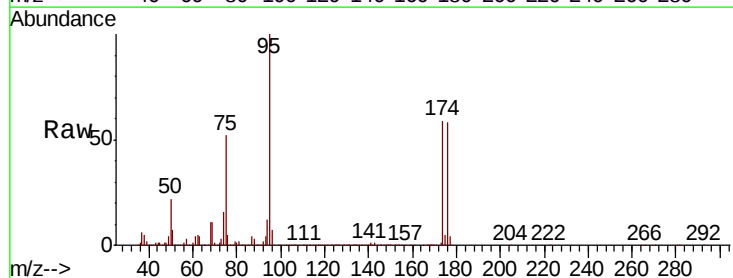
Tgt Ion: 95 Resp: 2576676

Ion Ratio Lower Upper

95 100

174 59.5 46.3 69.5

175 4.5 3.4 5.0



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

