

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL122017\
 Data File : VL031288.D
 Acq On : 21 Dec 2017 3:15
 Operator : SY/AP
 Sample : I7005-08DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EP1-SV-7DL

Manual Integrations
 APPROVED

MMDadoda
 12/22/2017 4:55:07 PM

Quant Time: Dec 22 06:41:01 2017
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL121317AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Dec 14 2017
 QLast Update : Thu Dec 14 04:29:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.91	49	1434554	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.45	114	3635758	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	3470312	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.75	95	2652845	10.75	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.14	41	682055	8.52	ppbv	93
10) Heptane	8.41	43	101310	0.42	ppbv	96
13) Ethanol	3.77	45	48672	2.11	ppbv	93
15) Acetone	4.03	43	817018	4.32	ppbv #	85
17) tert-Butyl alcohol	4.51	59	56112	0.53	ppbv #	94
20) Methylene Chloride	4.54	84	12416	0.20	ppbv	88
26) Hexane	5.93	57	176586	0.96	ppbv #	41
27) Carbon Disulfide	4.76	76	31407	0.17	ppbv #	62
30) Cyclohexane	7.40	84	38449	0.24	ppbv #	18
34) 2-Butanone	5.47	43	1780891	6.94	ppbv	99
36) Benzene	7.16	78	66638	0.17	ppbv	96
51) 2-Hexanone	10.47	43	149382m	0.50	ppbv	
53) Toluene	10.11	91	104300	0.25	ppbv	98
58) Ethyl Benzene	13.03	91	74441	0.13	ppbv	90
59) m/p-Xylene	13.30	91	89717	0.20	ppbv	96

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

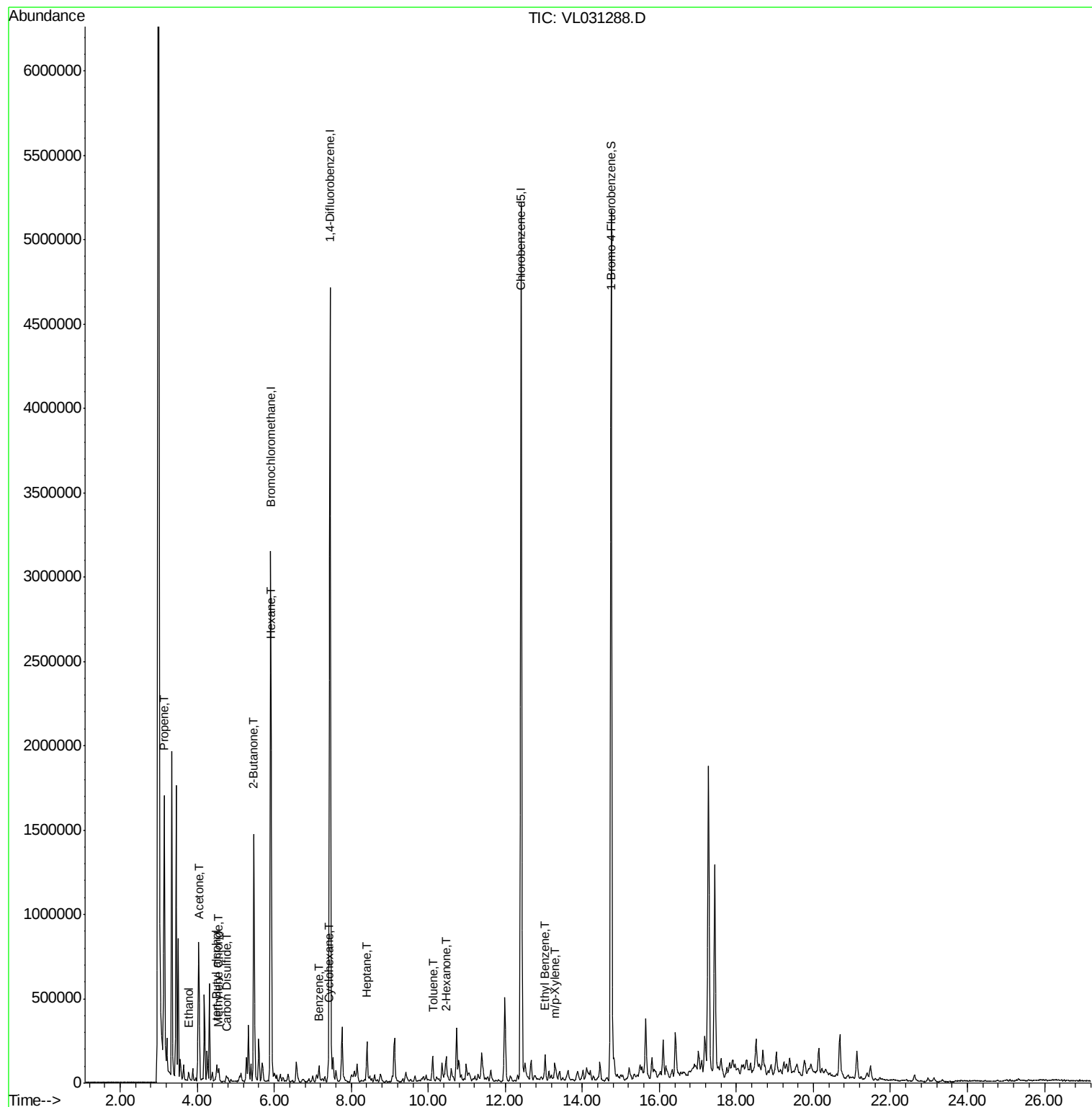
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL122017\
Data File : VL031288.D
Acq On : 21 Dec 2017 3:15
Operator : SY/AP
Sample : I7005-08DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

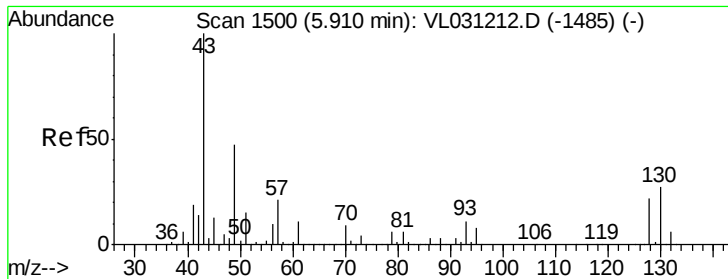
Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-7DL

Manual Integrations
APPROVED

MMDadoda
12/22/2017 4:55:07 PM

Quant Time: Dec 22 06:41:01 2017
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL121317AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Dec
QLast Update : Thu Dec 14 04:29:58 2017
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.91 min Scan# 1499

Delta R.T. -0.00 min

Lab File: VL031288.D

Acq: 21 Dec 2017 3:15

Instrument :

MSVOA_L

ClientSampleId :

EP1-SV-7DL

Tot Ion: 49 Resp: 1434554

Ion Ratio Lower Upper

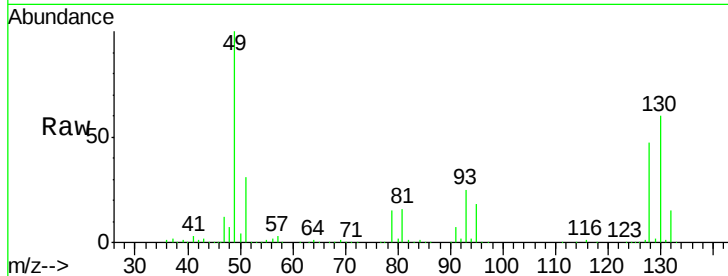
49 100

128 49.6 23.2 69.5

130 63.3 29.6 88.8

Manual Integrations
APPROVED

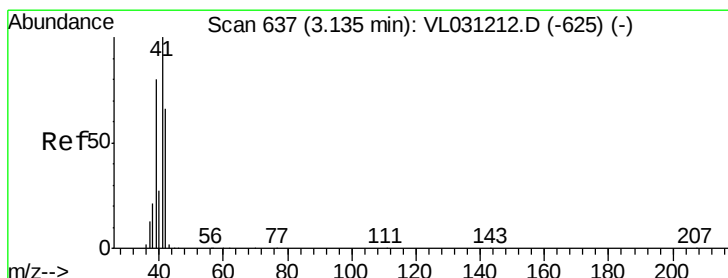
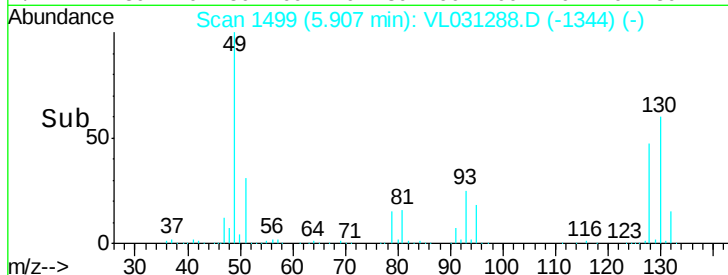
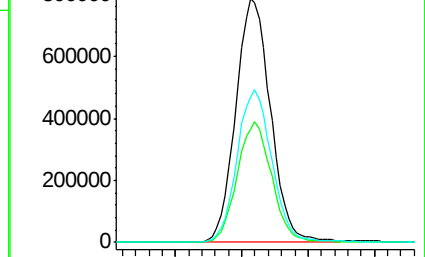
MMDadoda
12/22/2017 4:55:07 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 8.52 ppbv

RT: 3.14 min Scan# 638

Delta R.T. 0.00 min

Lab File: VL031288.D

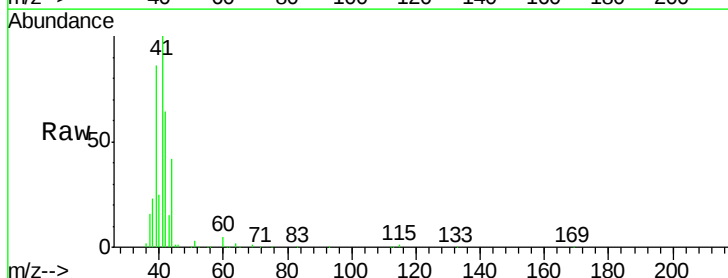
Acq: 21 Dec 2017 3:15

Tgt Ion: 41 Resp: 682055

Ion Ratio Lower Upper

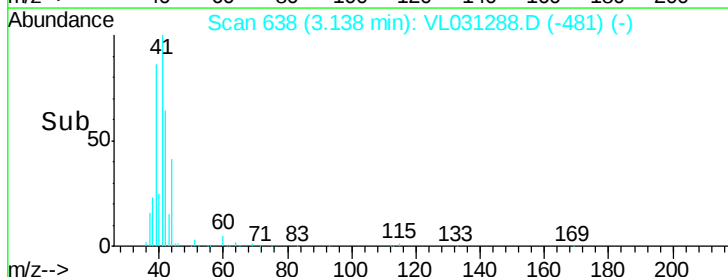
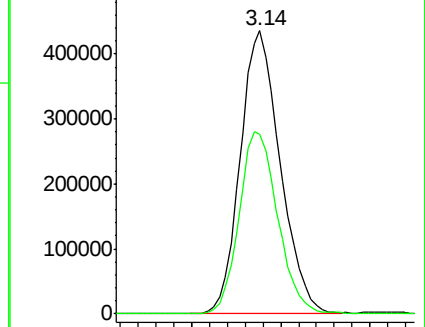
41 100

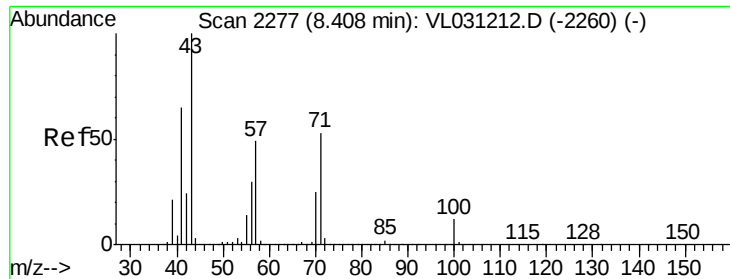
42 62.1 54.3 81.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





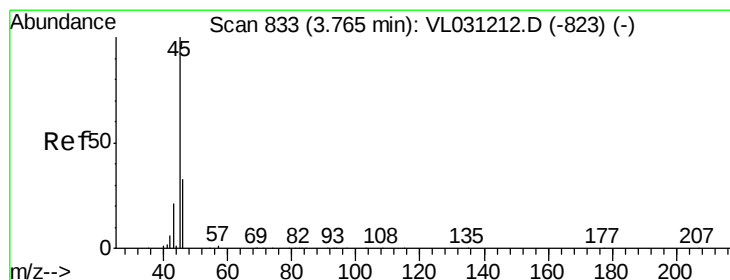
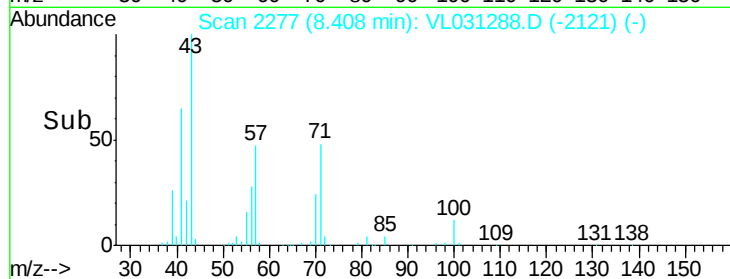
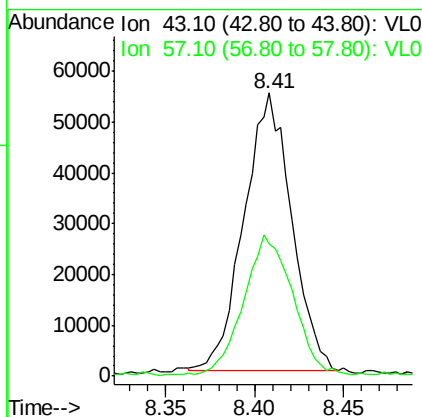
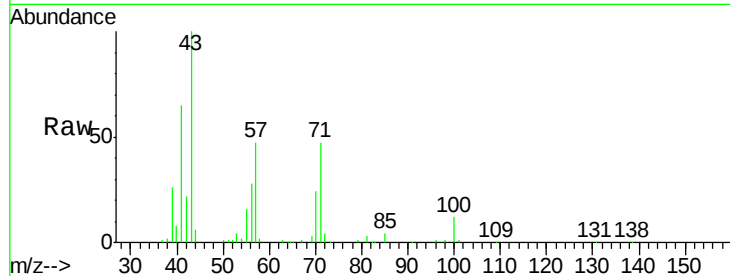
#10
Heptane
Concen: 0.42 ppbv
RT: 8.41 min Scan# 2277
Delta R.T. 0.00 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-7DL

Tot Ion: 43 Resp: 101310
Ion Ratio Lower Upper
43 100
57 52.6 39.8 59.8

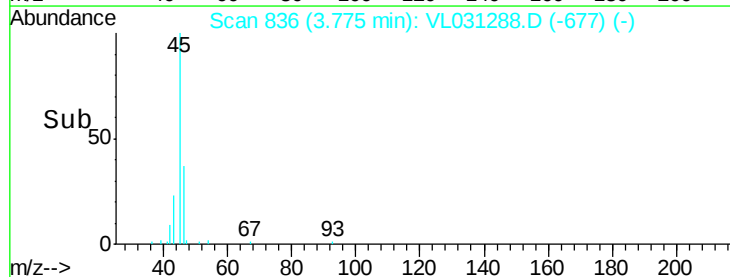
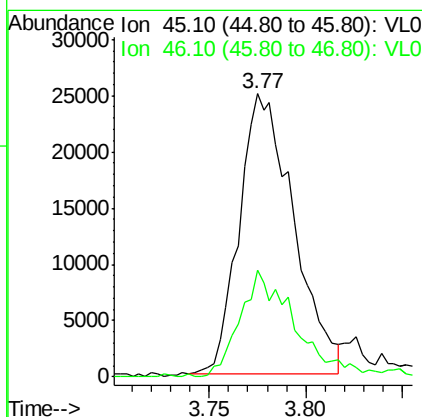
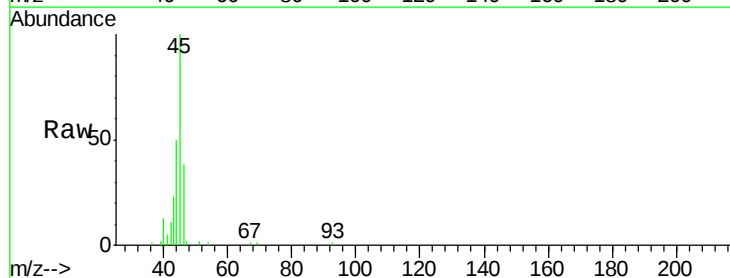
Manual Integrations
APPROVED

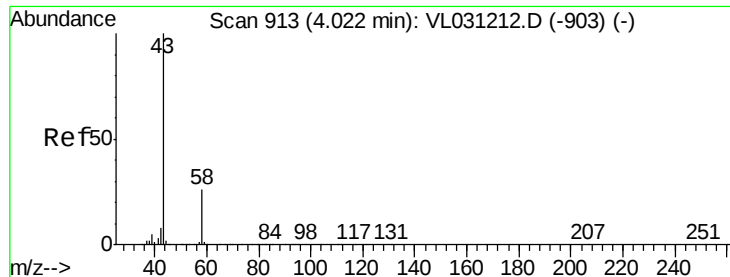
MMDadoda
12/22/2017 4:55:07 PM



#13
Ethanol
Concen: 2.11 ppbv
RT: 3.77 min Scan# 836
Delta R.T. 0.01 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Tgt Ion: 45 Resp: 48672
Ion Ratio Lower Upper
45 100
46 40.8 14.6 58.4





#15

Acetone

Concen: 4.32 ppbv

RT: 4.03 min Scan# 914

Delta R.T. 0.00 min

Lab File: VL031288.D

Acq: 21 Dec 2017 3:15

Instrument :

MSVOA_L

ClientSampleId :

EP1-SV-7DL

Tot Ion: 43 Resp: 817018

Ion Ratio Lower Upper

43 100

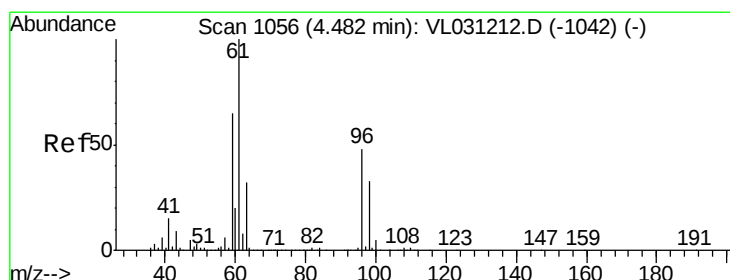
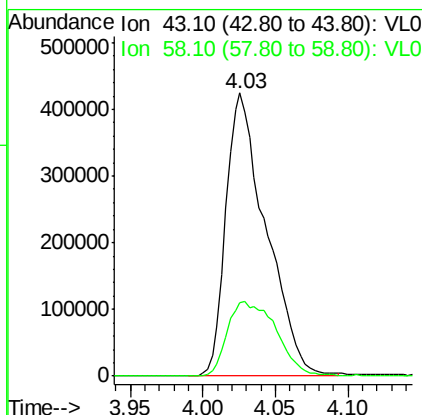
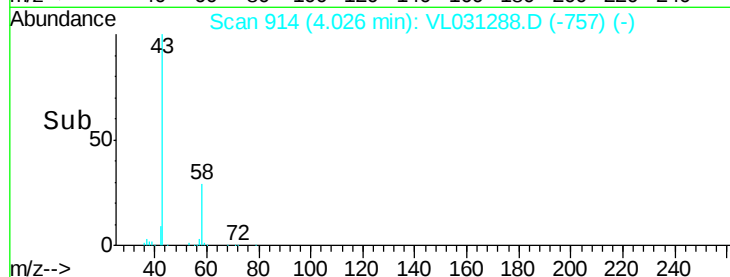
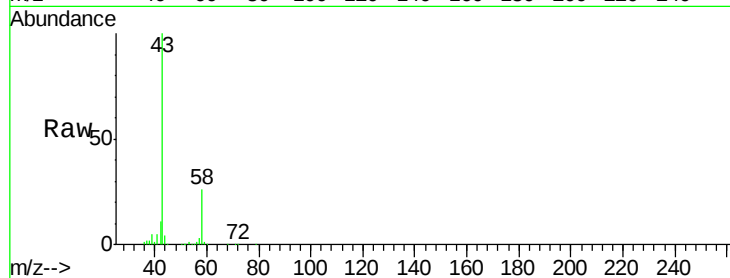
58 32.8 20.3 30.5#

Manual Integrations

APPROVED

MMDadoda

12/22/2017 4:55:07 PM



#17

tert-Butyl alcohol

Concen: 0.53 ppbv

RT: 4.51 min Scan# 1065

Delta R.T. 0.03 min

Lab File: VL031288.D

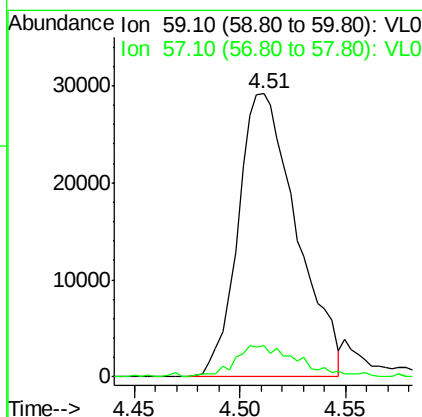
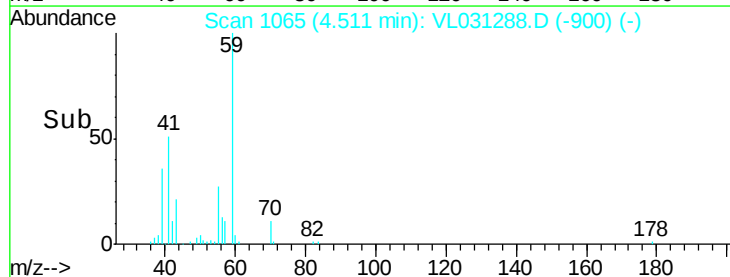
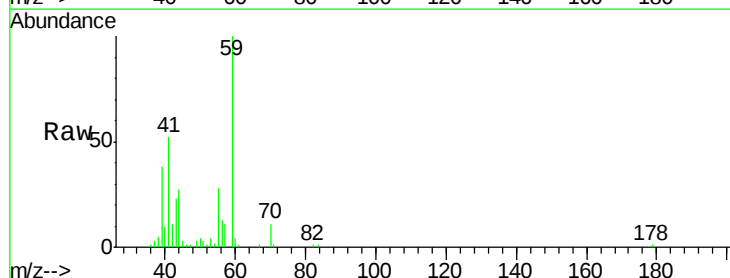
Acq: 21 Dec 2017 3:15

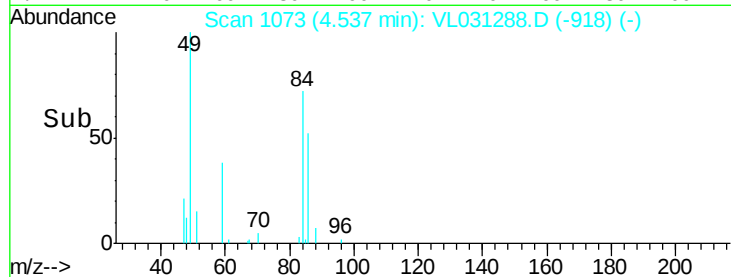
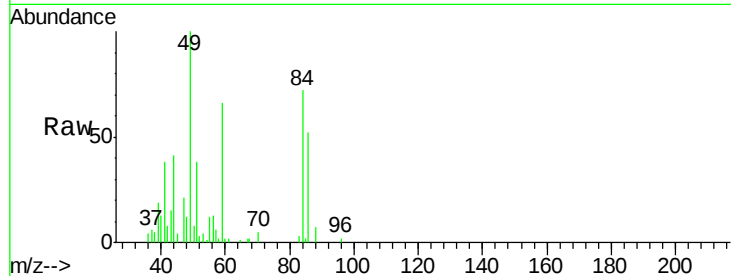
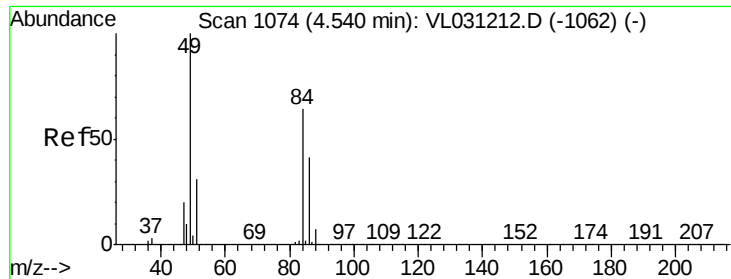
Tgt Ion: 59 Resp: 56112

Ion Ratio Lower Upper

59 100

57 12.5 8.2 12.2#





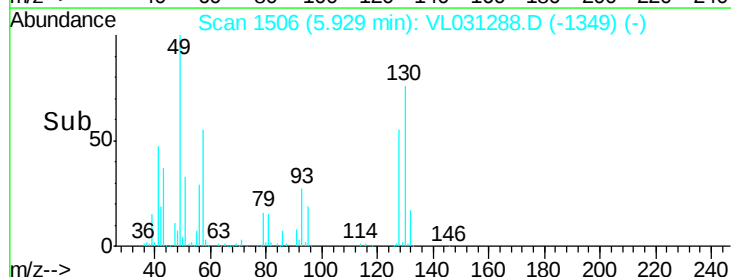
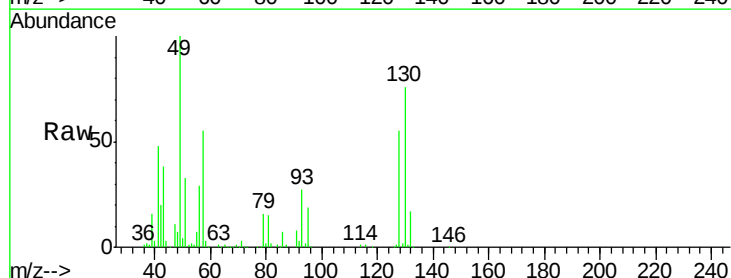
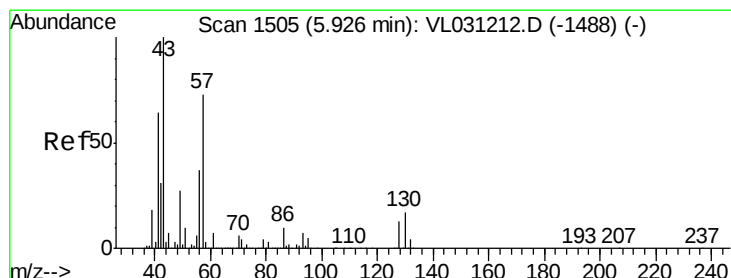
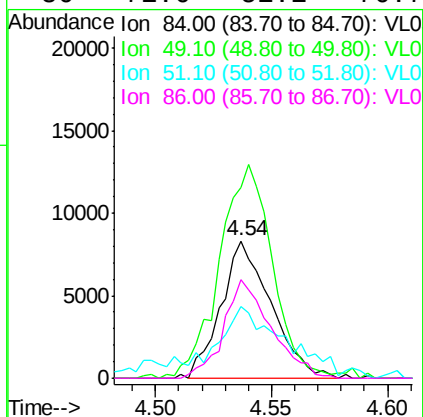
#20
Methvlene Chloride
Concen: 0.20 ppbv
RT: 4.54 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Tot Ion	84	49	51	86
Resp:	12416	135.2	50.1	71.6
Lower		125.8	39.3	51.1
Upper		188.6	58.9	76.7

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-7DL

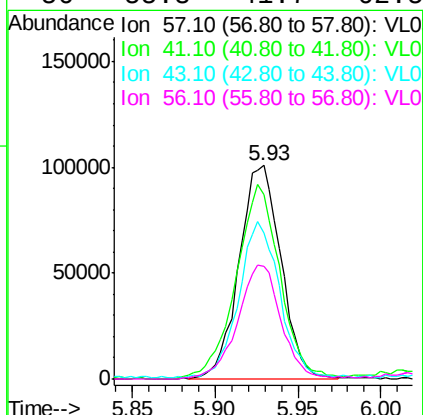
Manual Integrations
APPROVED

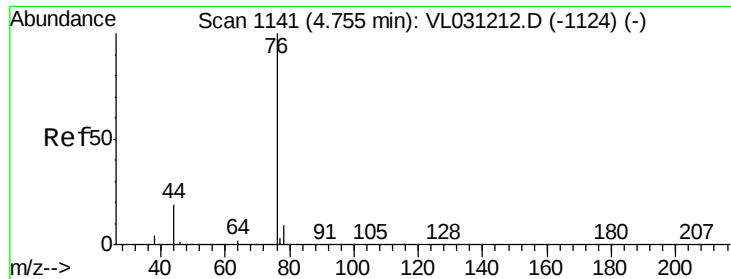
MMDadoda
12/22/2017 4:55:07 PM



#26
Hexane
Concen: 0.96 ppbv
RT: 5.93 min Scan# 1506
Delta R.T. 0.00 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Tgt Ion	57	41	43	56
Resp:	176586	96.3	70.7	55.8
Lower		70.3	173.8	41.7
Upper		105.5	260.8	62.5





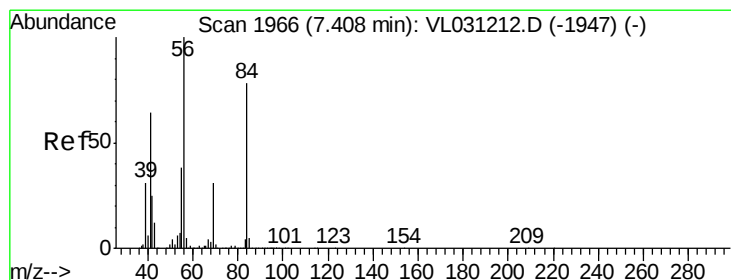
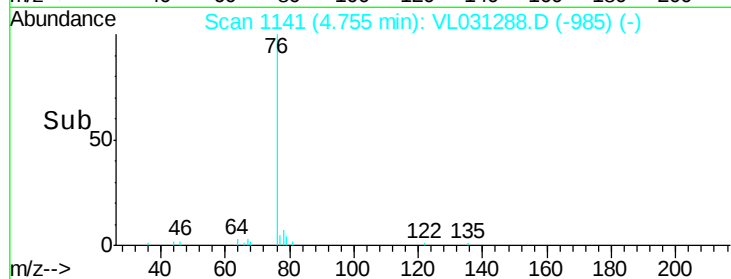
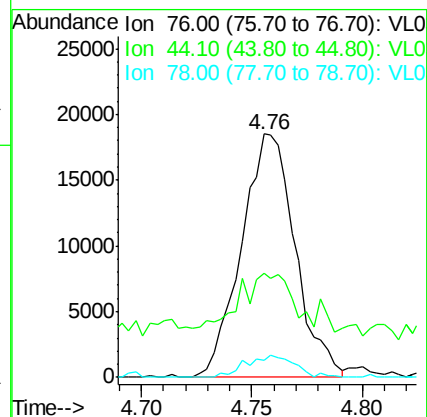
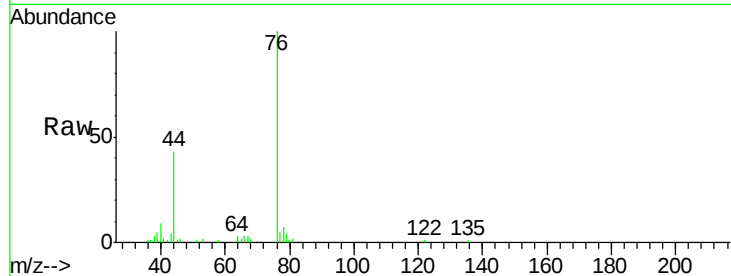
#27
Carbon Disulfide
Concen: 0.17 ppbv
RT: 4.76 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Instrument :
MSVOA_L
ClientSampled :
EP1-SV-7DL

Tot Ion	Ratio	Lower	Upper
76	100		
44	45.1	16.0	24.0#
78	8.3	7.5	11.3

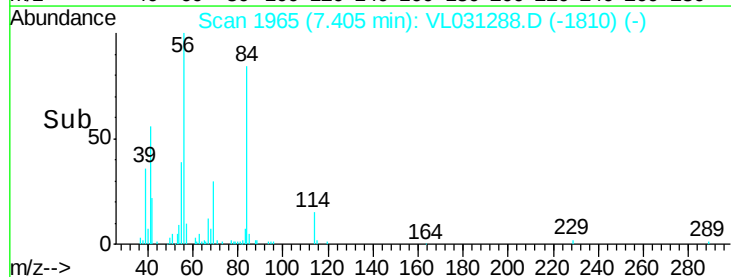
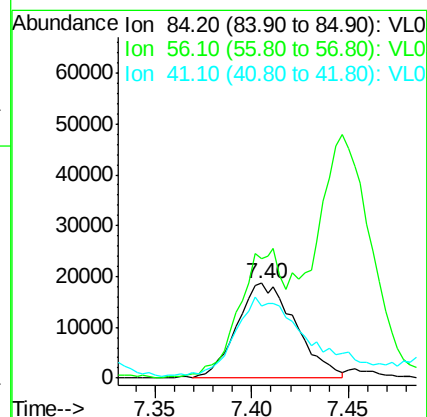
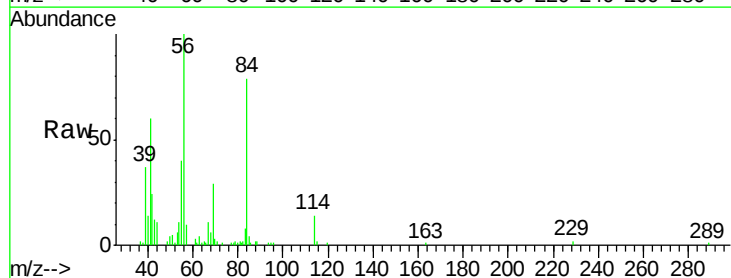
Manual Integrations
APPROVED

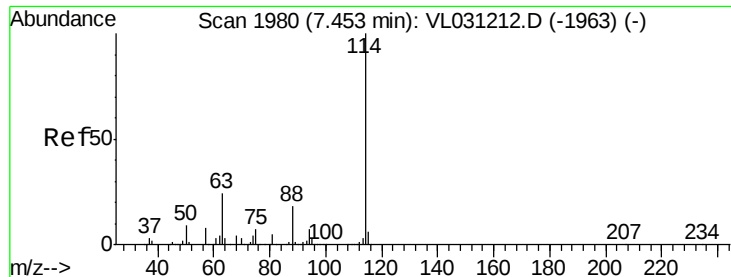
MMDadoda
12/22/2017 4:55:07 PM



#30
Cyclohexane
Concen: 0.24 ppbv
RT: 7.40 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Tgt Ion	Ratio	Lower	Upper
84	100		
56	0.0	108.0	162.0#
41	110.1	66.2	99.4#





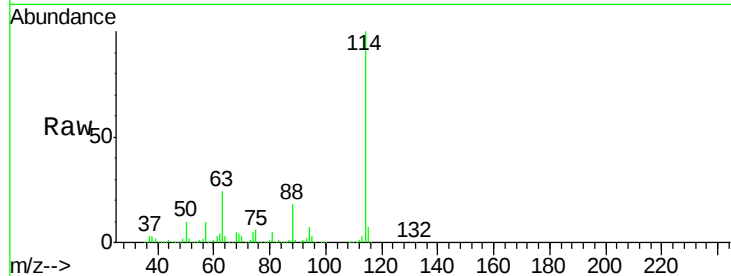
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.45 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VL031288.D
 Acq: 21 Dec 2017 3:15

Instrument :
 MSVOA_L
 ClientSampleId :
 EP1-SV-7DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.2	19.8	29.8
88	17.5	14.2	21.4

Manual Integrations
 APPROVED

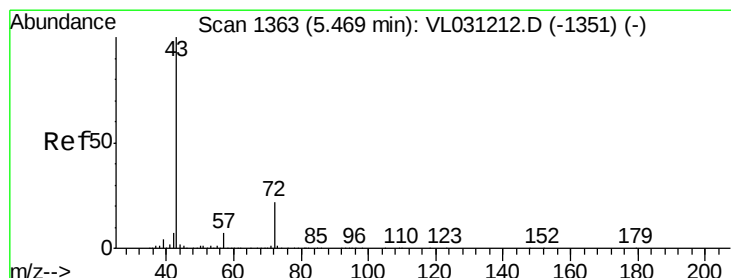
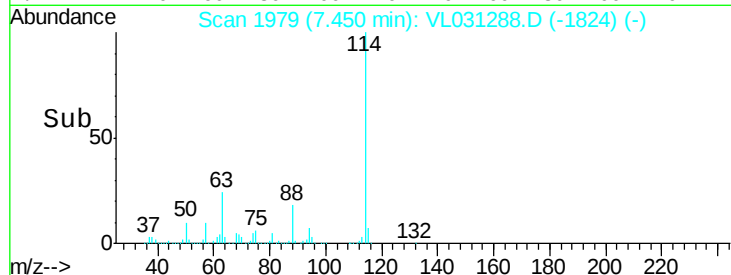
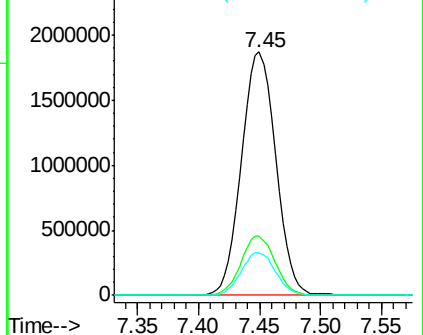
MMDadoda
 12/22/2017 4:55:07 PM



Abundance Ion 114.10 (113.80 to 114.80): VL031212.D (-1963) (-)

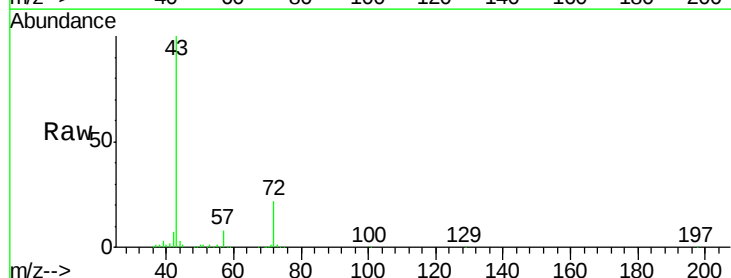
Ion 63.10 (62.80 to 63.80): VL031212.D (-1963) (-)

Ion 88.10 (87.80 to 88.80): VL031212.D (-1963) (-)



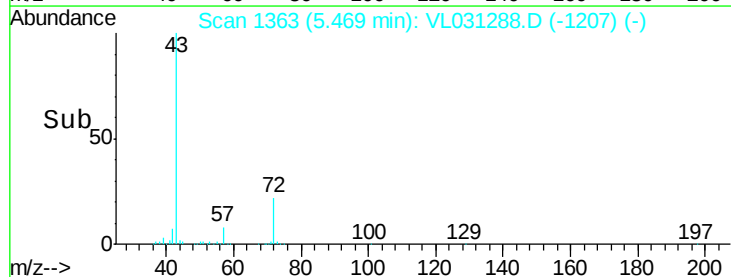
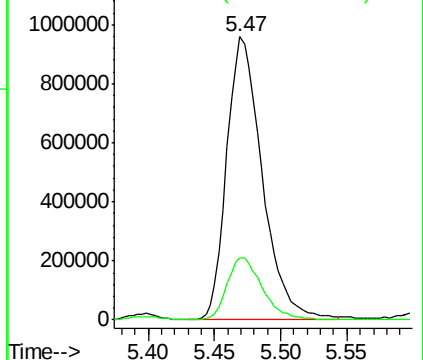
#34
 2-Butanone
 Concen: 6.94 ppbv
 RT: 5.47 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VL031288.D
 Acq: 21 Dec 2017 3:15

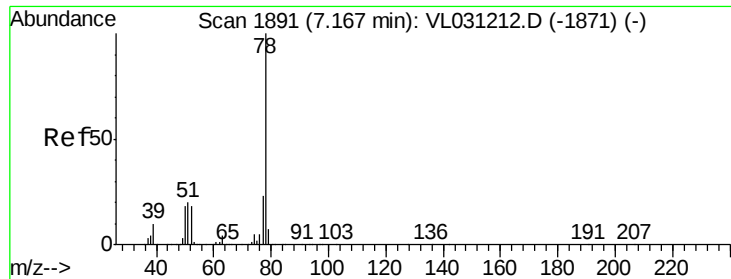
Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.9	18.1	27.1



Abundance Ion 43.10 (42.80 to 43.80): VL031212.D (-1351) (-)

Ion 72.10 (71.80 to 72.80): VL031212.D (-1351) (-)





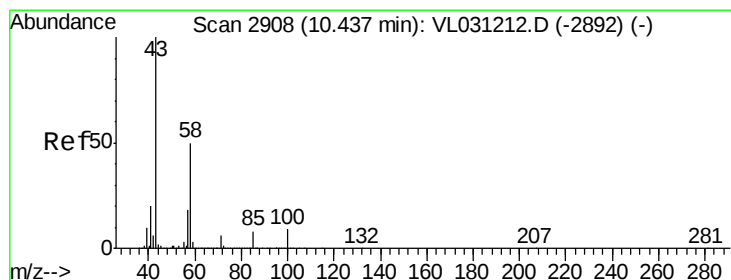
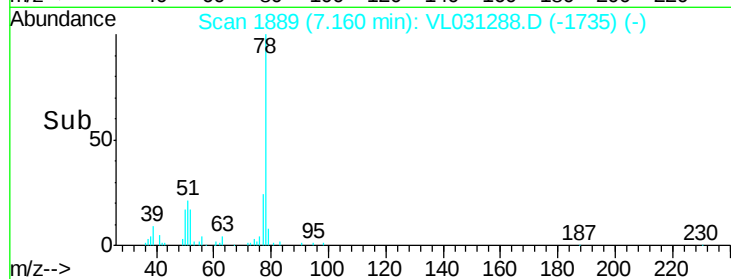
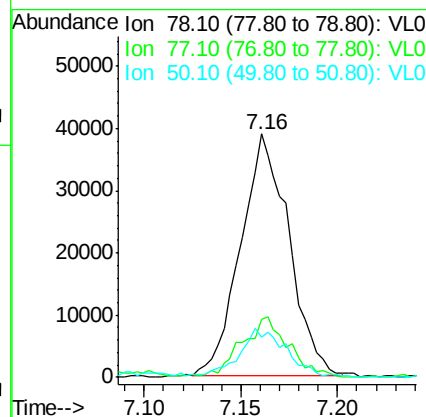
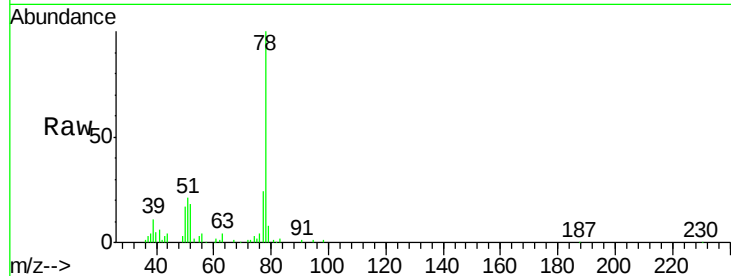
#36
Benzene
Concen: 0.17 ppbv
RT: 7.16 min Scan# 1889
Delta R.T. -0.01 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-7DL

Tot Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.1	27.1
50	15.9	14.6	21.8

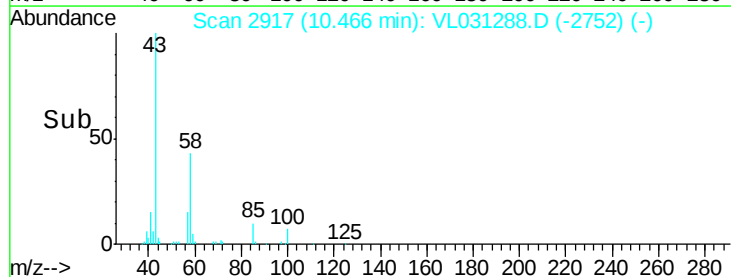
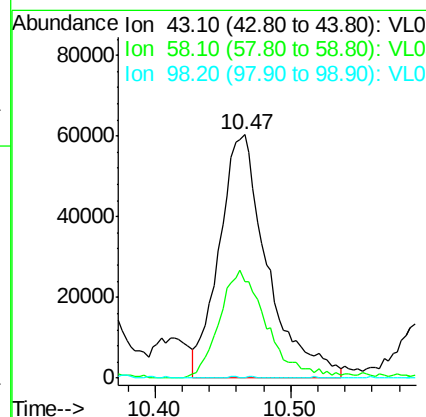
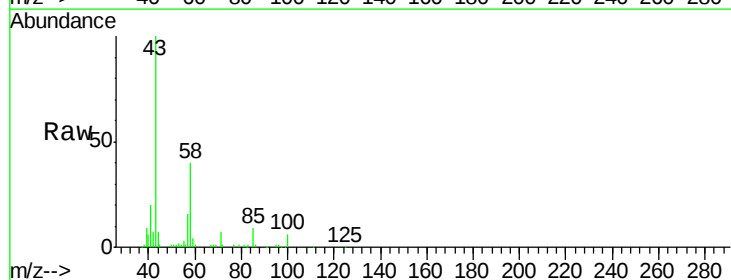
Manual Integrations
APPROVED

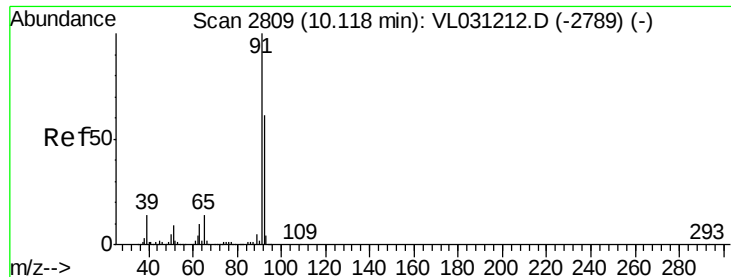
MMDadoda
12/22/2017 4:55:07 PM



#51
2-Hexanone
Concen: 0.50 ppbv m
RT: 10.47 min Scan# 2917
Delta R.T. 0.03 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	39.8	59.6#
98	0.0	0.0	0.0





#53

Toluene

Concen: 0.25 ppbv

RT: 10.11 min Scan# 2807

Delta R.T. -0.01 min

Lab File: VL031288.D

Acq: 21 Dec 2017 3:15

Instrument :

MSVOA_L

ClientSampled :

EP1-SV-7DL

Tot Ion: 91 Resp: 104300

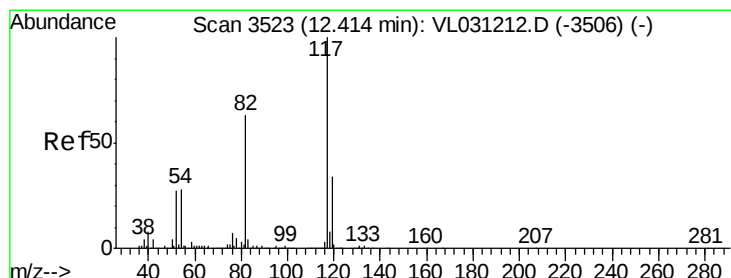
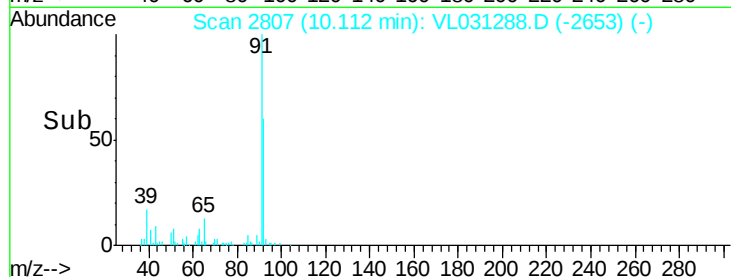
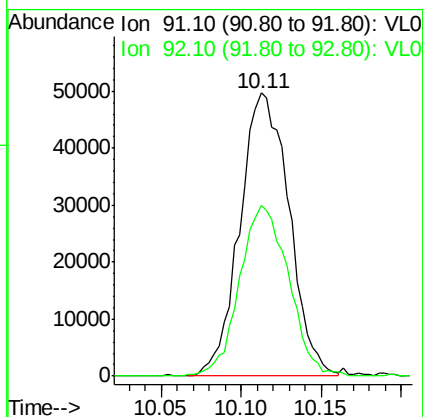
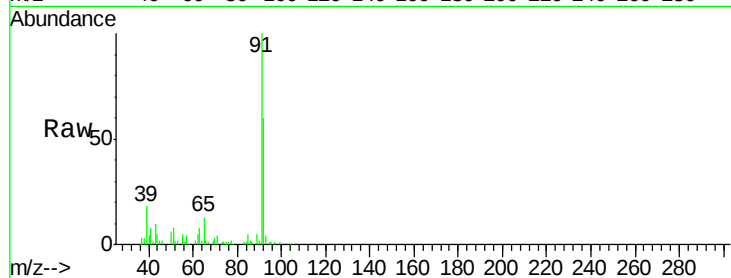
Ion Ratio Lower Upper

91 100

92 60.1 49.1 73.7

Manual Integrations
APPROVED

MMDadoda
12/22/2017 4:55:07 PM



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.41 min Scan# 3522

Delta R.T. -0.00 min

Lab File: VL031288.D

Acq: 21 Dec 2017 3:15

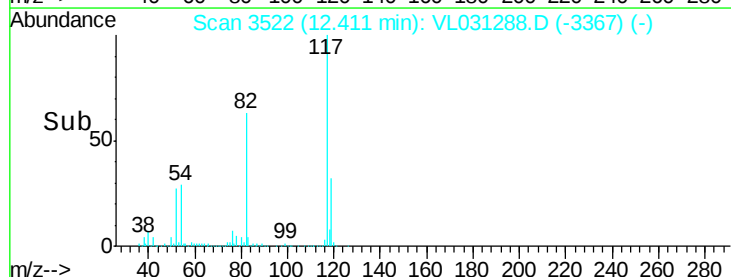
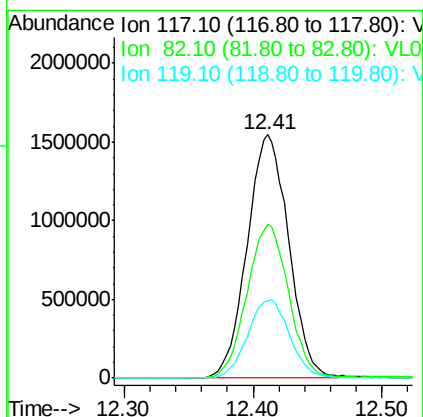
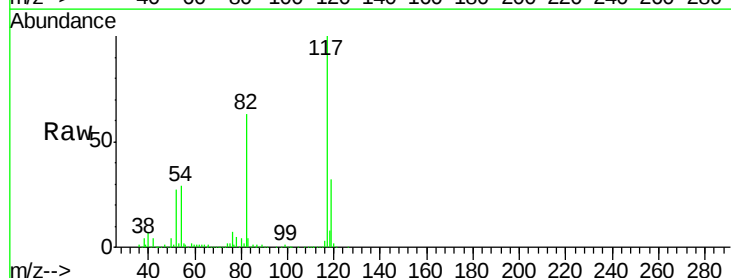
Tgt Ion: 117 Resp: 3470312

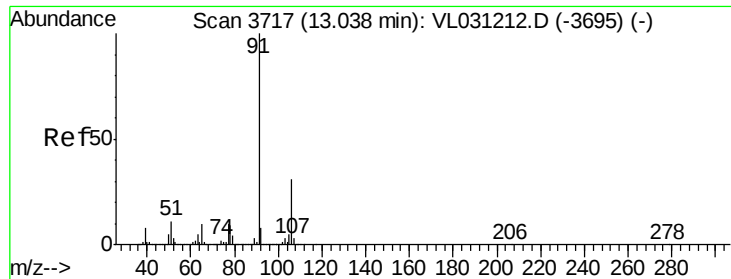
Ion Ratio Lower Upper

117 100

82 63.2 48.1 72.1

119 32.6 23.1 34.7





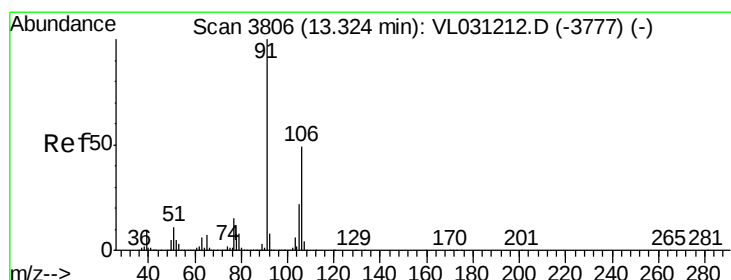
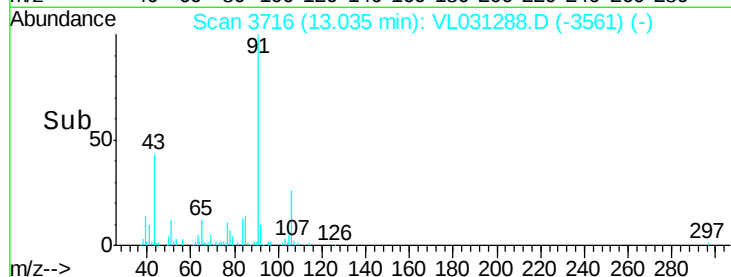
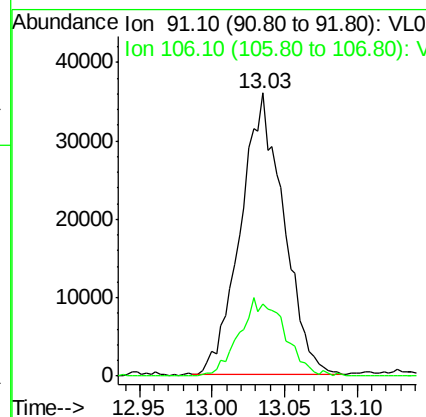
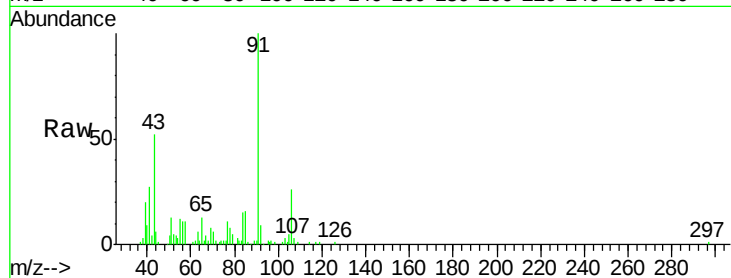
#58
Ethyl Benzene
Concen: 0.13 ppbv
RT: 13.03 min Scan# 3716
Delta R.T. -0.00 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-7DL

Tot Ion	Ratio	Lower	Upper
91	100		
106	25.7	25.1	37.7

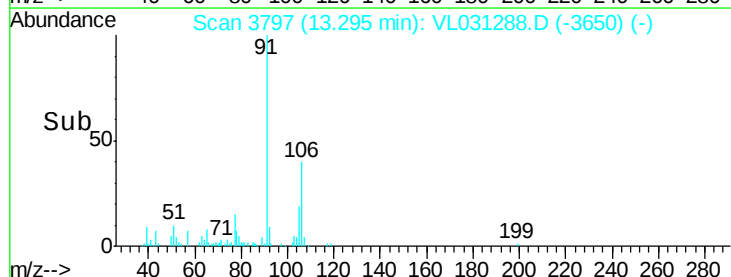
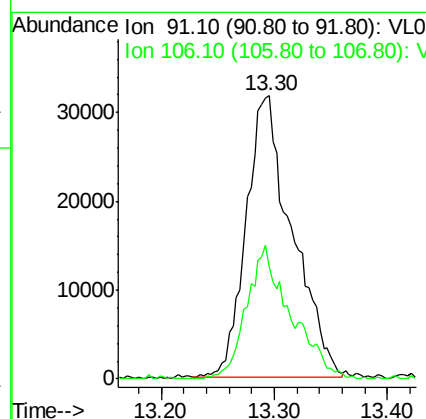
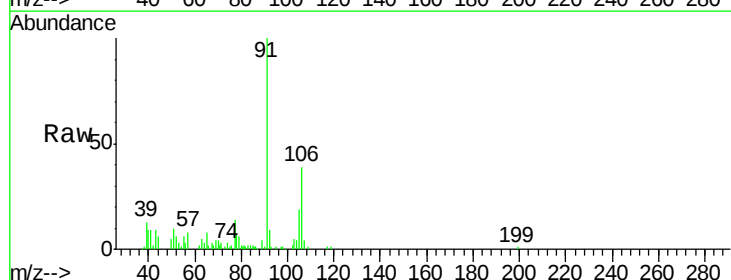
Manual Integrations
APPROVED

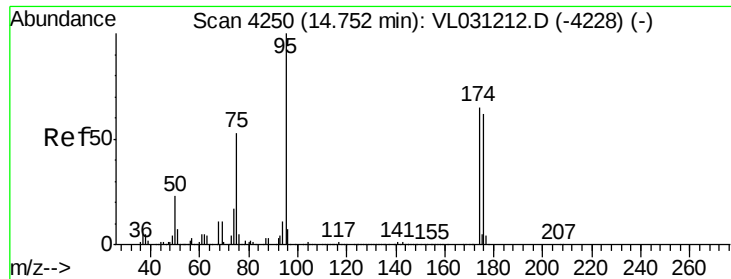
MMDadoda
12/22/2017 4:55:07 PM



#59
m/p-Xylene
Concen: 0.20 ppbv
RT: 13.30 min Scan# 3797
Delta R.T. -0.03 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Tgt Ion	Ratio	Lower	Upper
91	100		
106	45.1	38.5	57.7





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.75 ppbv
 RT: 14.75 min Scan# 4249
 Delta R.T. -0.00 min
 Lab File: VL031288.D
 Acq: 21 Dec 2017 3:15

Instrument :
 MSVOA_L
 ClientSampleId :
 EP1-SV-7DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	63.3	52.5	78.7
175	4.7	4.1	6.1

Manual Integrations
 APPROVED

MMDadoda
 12/22/2017 4:55:07 PM

