

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052219\
 Data File : VL033743.D
 Acq On : 22 May 2019 14:08
 Operator : SY/AP
 Sample : K2926-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BP-VPB202-AIR-UW-20190515

Manual Integrations
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MMDadoda
 5/28/2019 2:50:45 AM

Quant Time: May 23 04:52:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 18 2019
 QLast Update : Fri May 17 08:15:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	846678	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1956586	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.23	117	2145428	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.56	95	1695997	9.75	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	34248	0.192	ppbv	98
3) Chlorodifluoromethane	3.01	51	26078m	0.269	ppbv	
4) Chloromethane	3.17	50	30147	0.543	ppbv	92
9) Propene	3.04	41	41050m	0.995	ppbv	
11) Trichlorofluoromethane	4.00	101	42202	0.248	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.54	101	67919	0.571	ppbv	100
13) Ethanol	3.65	45	529629	39.723	ppbv	98
15) Acetone	3.90	43	363535m	3.095	ppbv	
19) Isopropyl Alcohol	4.03	45	92645	1.223	ppbv #	86
20) Methylene Chloride	4.40	84	156483	3.460	ppbv	96
26) Hexane	5.77	57	244270	2.753	ppbv #	42
34) 2-Butanone	5.33	43	42749	0.352	ppbv	95
35) Carbon Tetrachloride	7.12	117	10948m	0.070	ppbv	
38) Trichloroethene	7.95	130	10363m	0.157	ppbv	
53) Toluene	9.94	91	266041m	1.386	ppbv	

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

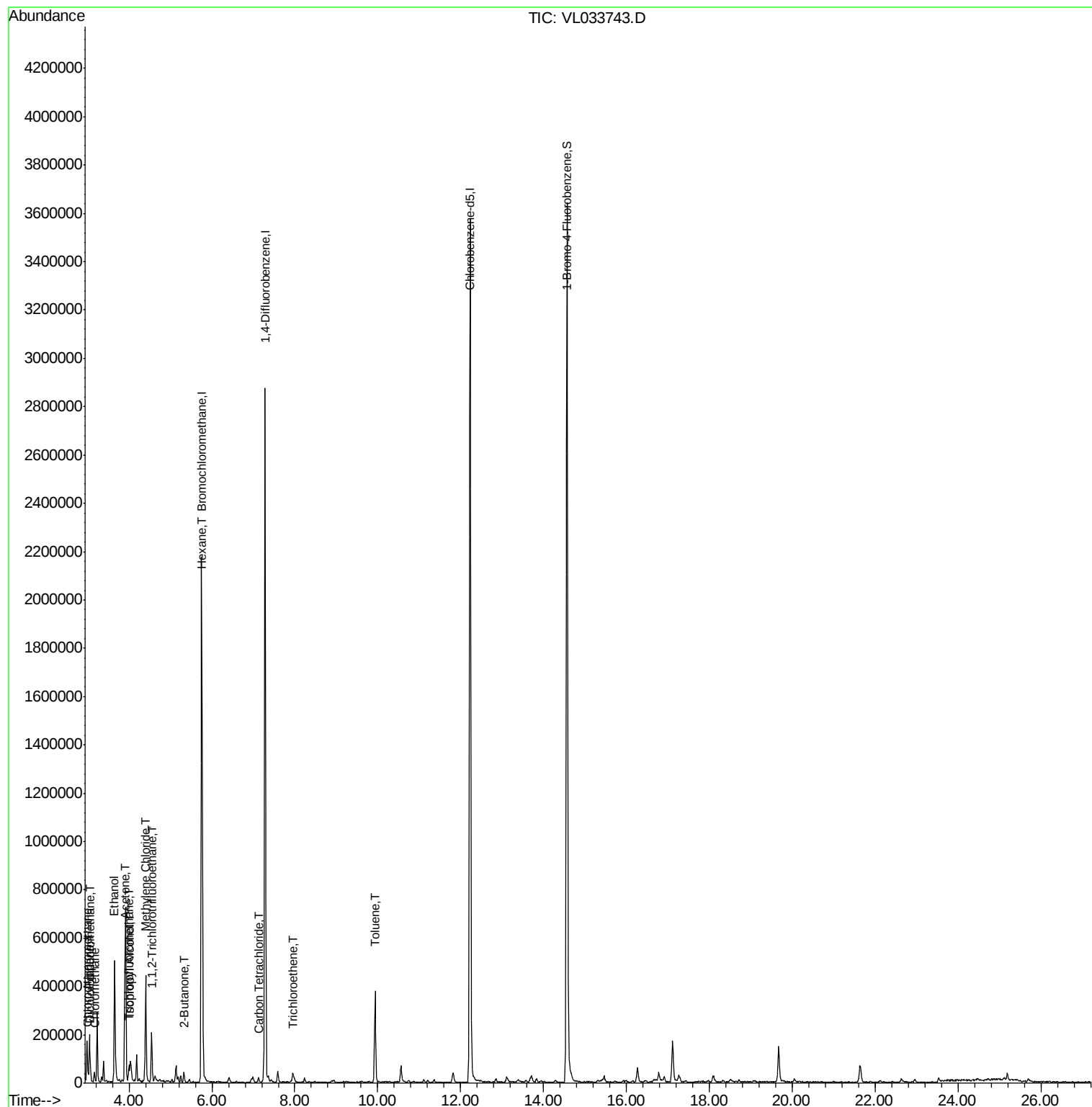
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL052219\
Data File : VL033743.D
Acq On : 22 May 2019 14:08
Operator : SY/AP
Sample : K2926-01
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

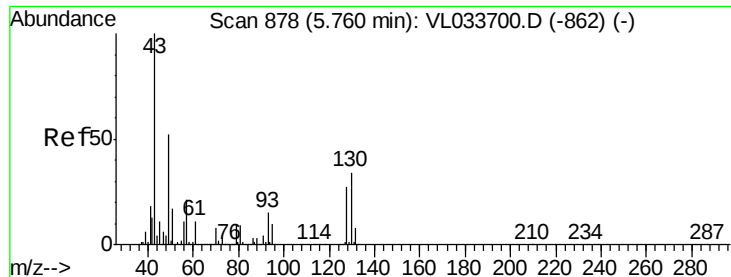
Instrument :
MSVOA_L
ClientSampleId :
BP-VPB202-AIR-UW-20190515

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Quant Time: May 23 04:52:32 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 875

Delta R.T. -0.01 min

Lab File: VL033743.D

Acq: 22 May 2019 14:08

Instrument :

MSVOA_L

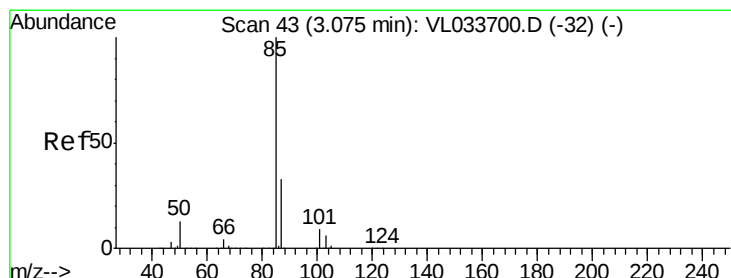
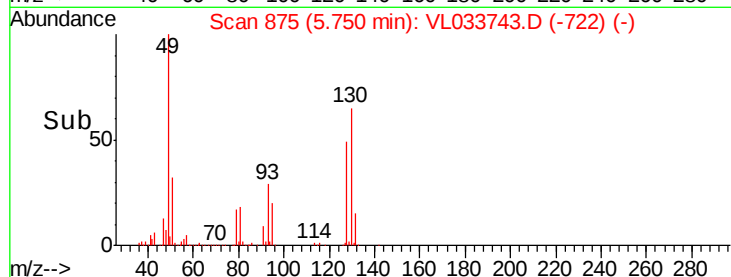
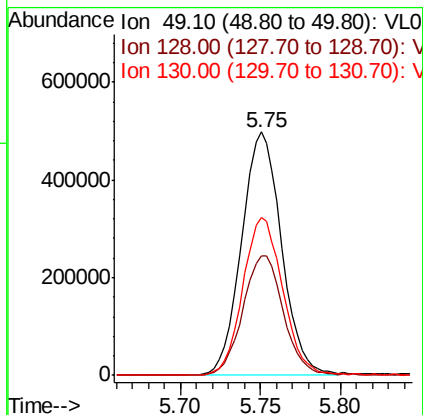
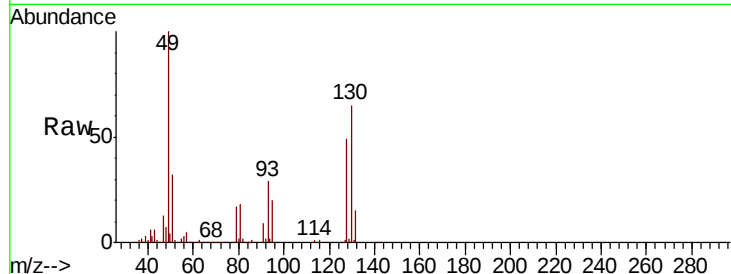
ClientSampleId :

BP-VPB202-AIR-UW-20190515

Tot Ion:	49	Resp:	846678
Ion	Ratio	Lower	Upper
49	100		
128	50.2	25.2	75.6
130	65.6	32.5	97.5

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#2

Dichlorodifluoromethane

Concen: 0.192 ppbv

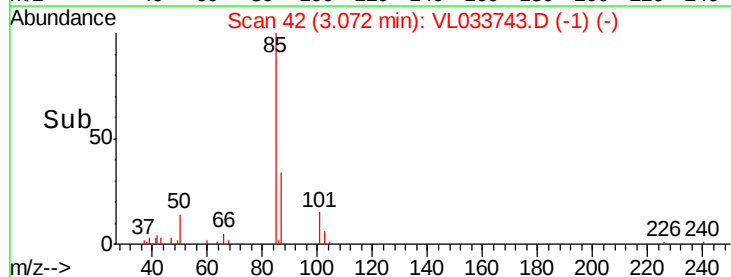
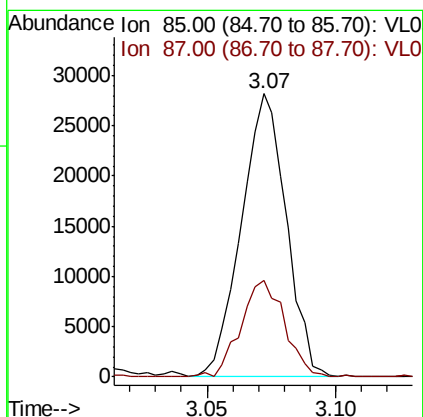
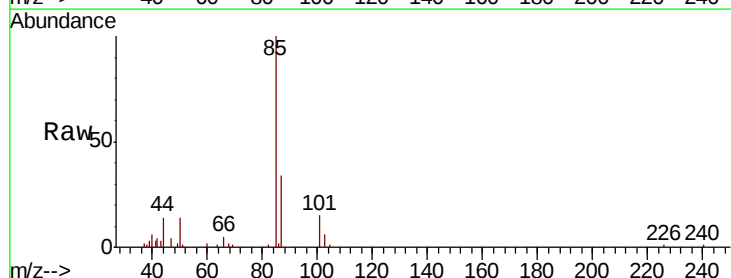
RT: 3.07 min Scan# 42

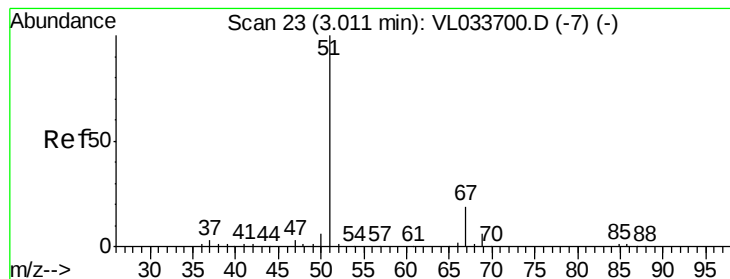
Delta R.T. -0.00 min

Lab File: VL033743.D

Acq: 22 May 2019 14:08

Tgt Ion:	85	Resp:	34248
Ion	Ratio	Lower	Upper
85	100		
87	34.0	26.3	39.5





#3

Chlorodifluoromethane

Concen: 0.269 ppbv

RT: 3.01 min Scan# 23

Delta R.T. 0.00 min

Lab File: VL033743.D

Acq: 22 May 2019 14:08

Instrument :

MSVOA_L

ClientSampleId :

BP-VPB202-AIR-UW-20190515

Tot Ion: 51 Resp: 26078

Ion Ratio Lower Upper

51 100

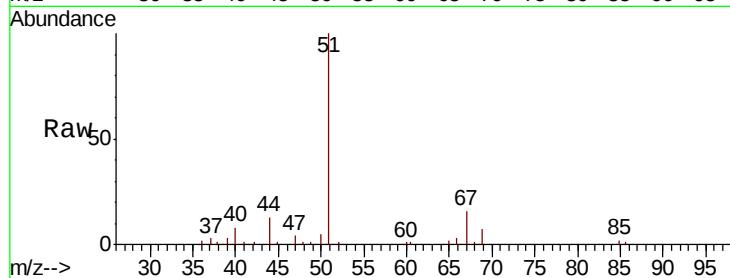
67 25.2 15.6 23.4#

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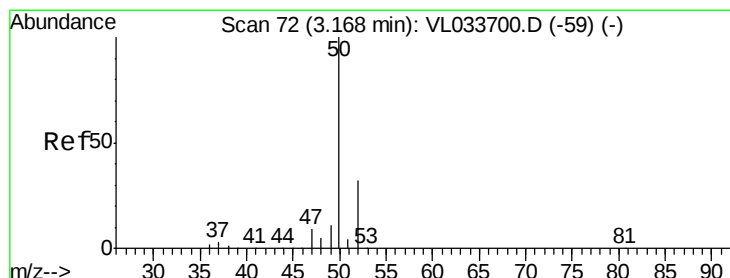
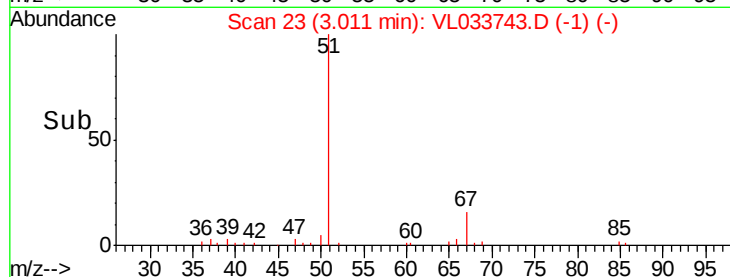
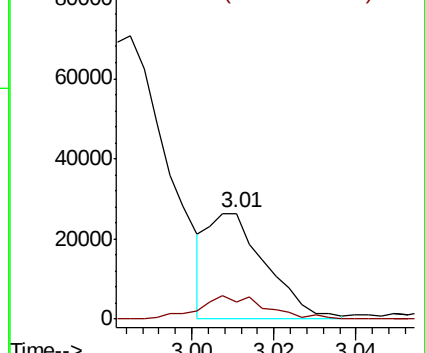
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.543 ppbv

RT: 3.17 min Scan# 71

Delta R.T. -0.00 min

Lab File: VL033743.D

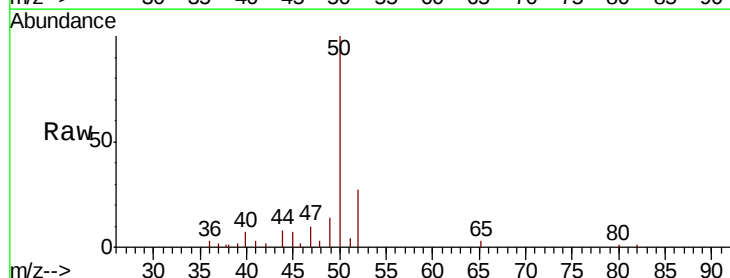
Acq: 22 May 2019 14:08

Tgt Ion: 50 Resp: 30147

Ion Ratio Lower Upper

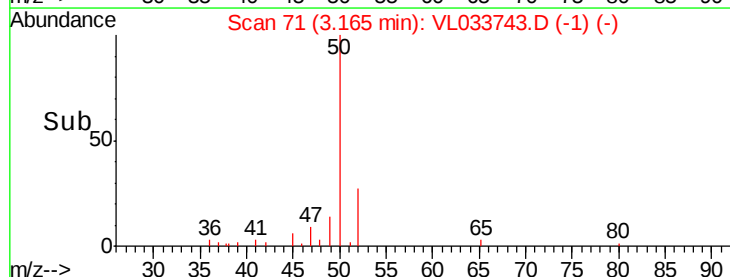
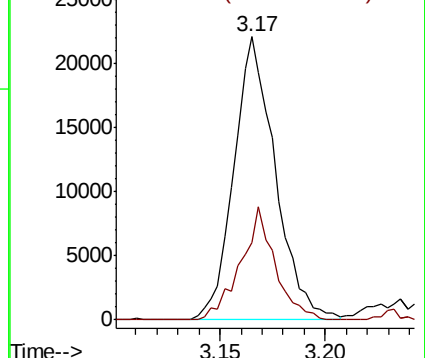
50 100

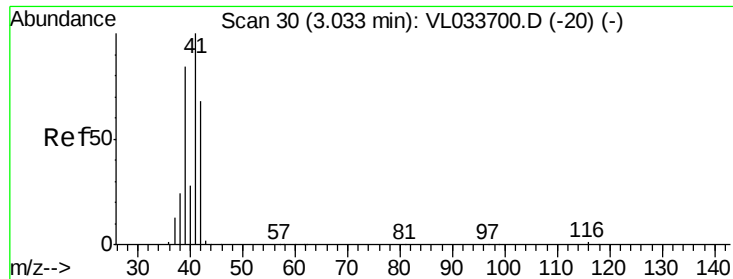
52 27.5 25.7 38.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.995 ppbv m

RT: 3.04 min Scan# 33

Delta R.T. 0.01 min

Lab File: VL033743.D

Acq: 22 May 2019 14:08

Instrument :

MSVOA_L

ClientSampleId :

BP-VPB202-AIR-UW-20190515

Tot Ion: 41 Resp: 41050

Ion Ratio Lower Upper

41 100

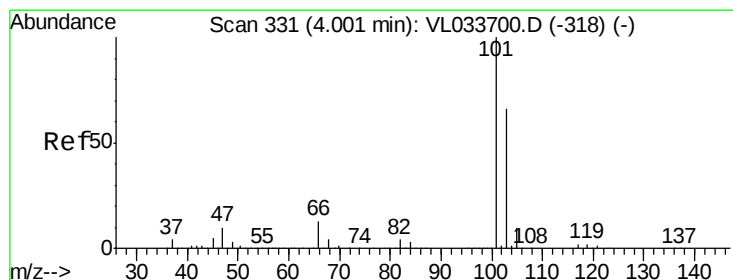
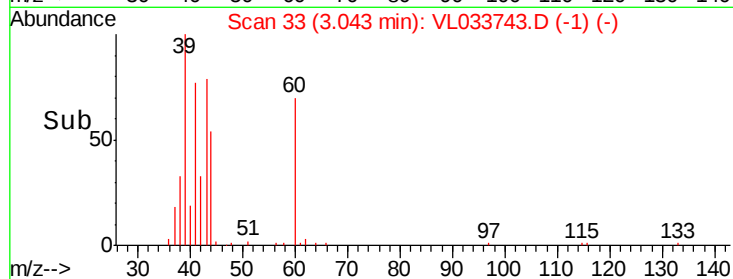
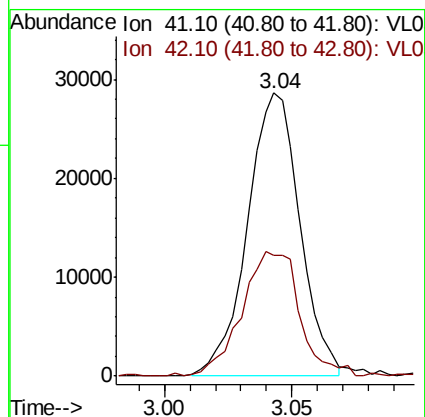
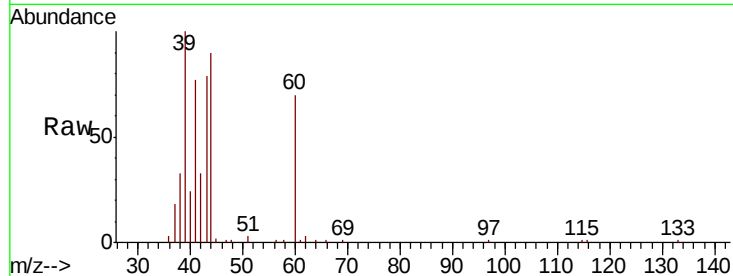
42 110.9 56.1 84.1#

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#11

Trichlorofluoromethane

Concen: 0.248 ppbv

RT: 4.00 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL033743.D

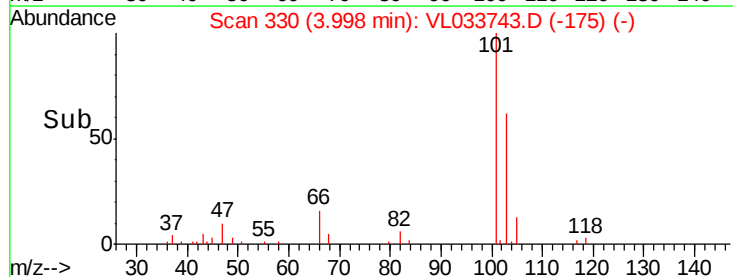
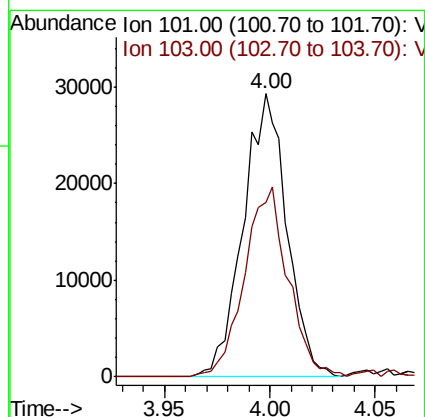
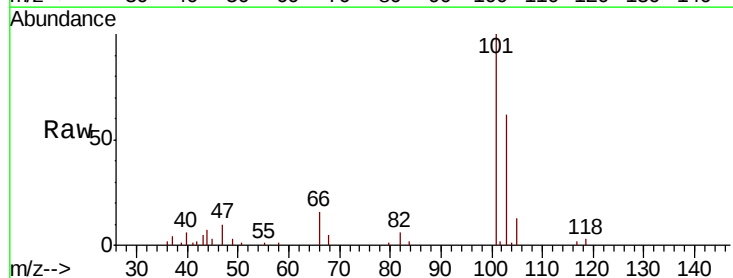
Acq: 22 May 2019 14:08

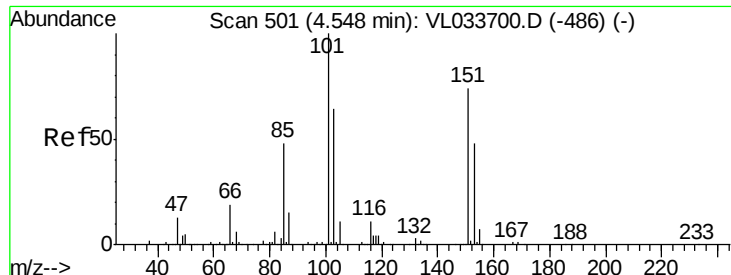
Tgt Ion: 101 Resp: 42202

Ion Ratio Lower Upper

101 100

103 60.5 52.6 78.8





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.571 ppbv

RT: 4.54 min Scan# 500

Delta R.T. -0.00 min

Lab File: VL033743.D

Acq: 22 May 2019 14:08

Instrument :

MSVOA_L

ClientSampleId :

BP-VPB202-AIR-UW-20190515

Tot Ion: 101 Resp: 67919

Ion Ratio Lower Upper

101 100

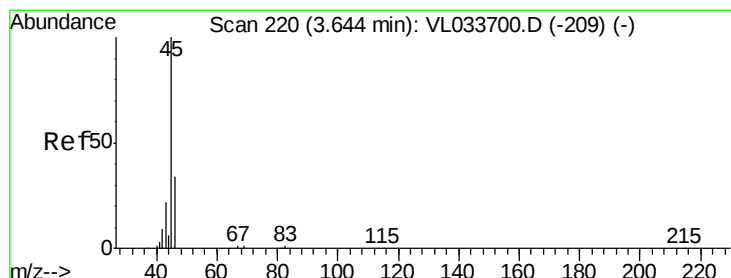
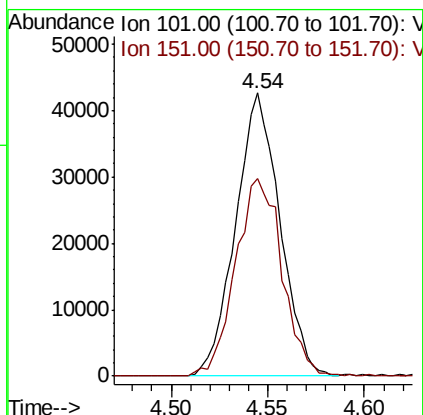
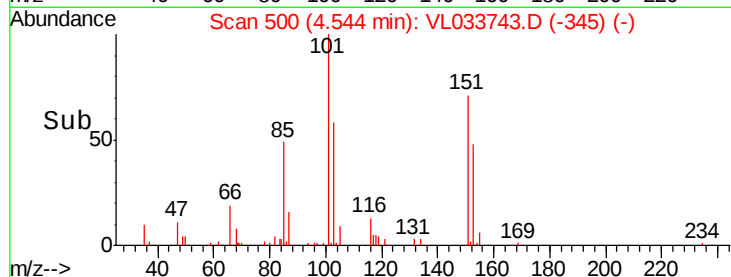
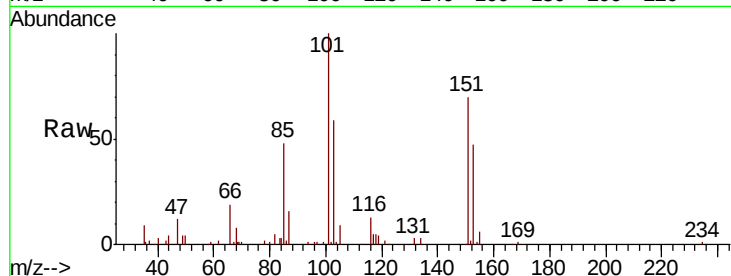
151 72.9 58.2 87.4

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#13

Ethanol

Concen: 39.723 ppbv

RT: 3.65 min Scan# 221

Delta R.T. 0.00 min

Lab File: VL033743.D

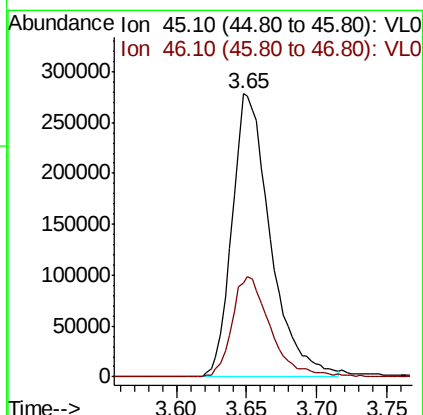
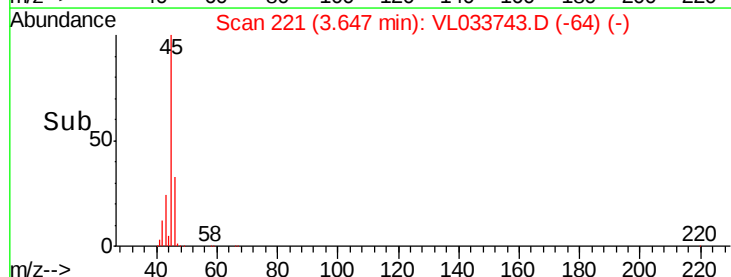
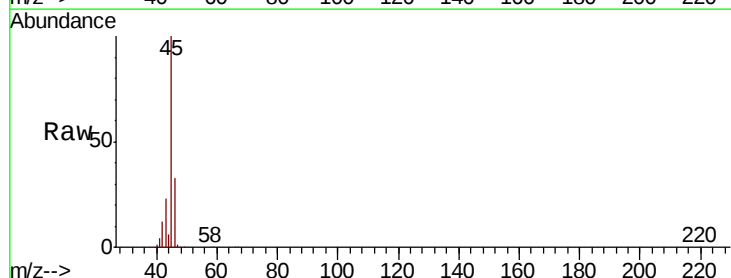
Acq: 22 May 2019 14:08

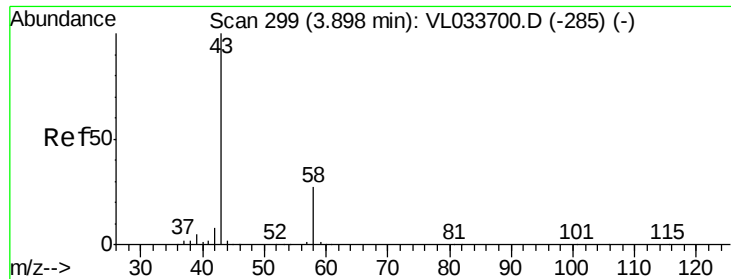
Tgt Ion: 45 Resp: 529629

Ion Ratio Lower Upper

45 100

46 35.6 14.8 59.0





#15

Acetone

Concen: 3.095 ppbv m

RT: 3.90 min Scan# 298

Delta R.T. -0.00 min

Lab File: VL033743.D

Acq: 22 May 2019 14:08

Instrument :

MSVOA_L

ClientSampleId :

BP-VPB202-AIR-UW-20190515

Tot Ion: 43 Resp: 363535

Ion Ratio Lower Upper

43 100

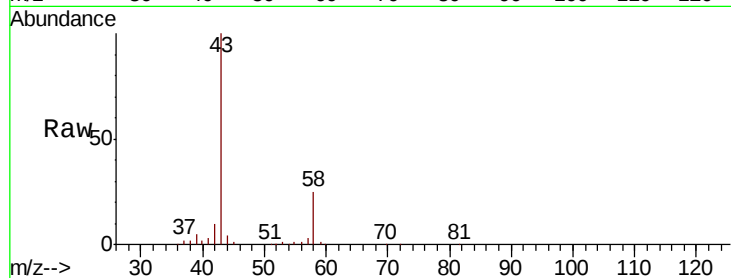
58 31.0 21.3 31.9

Manual Integrations

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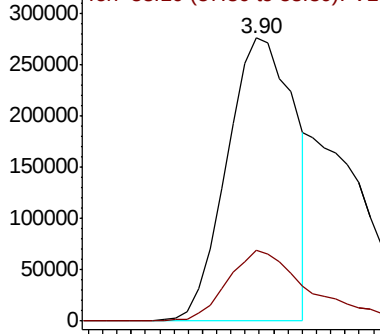
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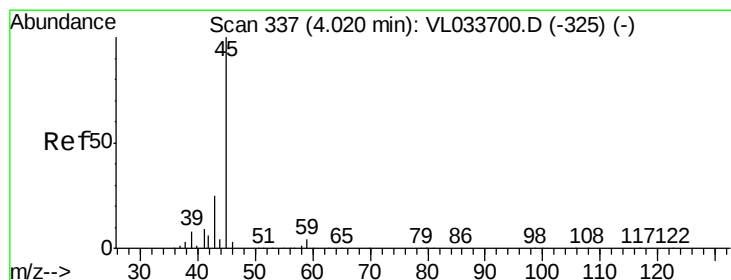
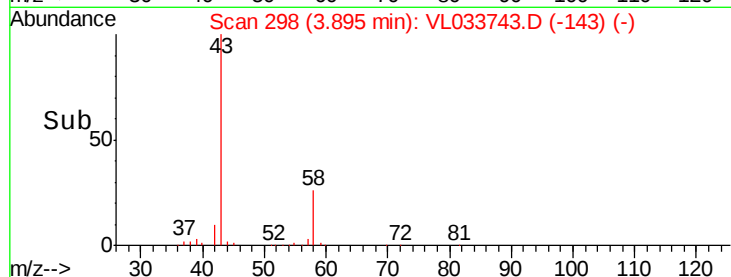


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



Time-->



#19

Isopropyl Alcohol

Concen: 1.223 ppbv

RT: 4.03 min Scan# 341

Delta R.T. 0.01 min

Lab File: VL033743.D

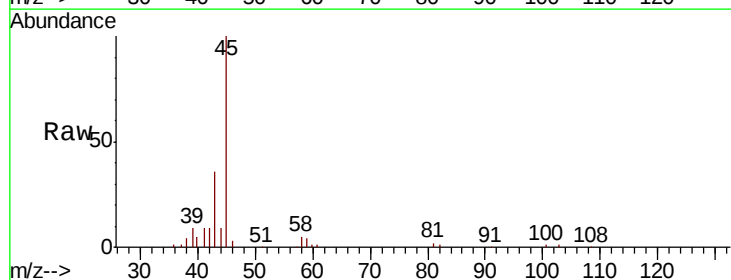
Acq: 22 May 2019 14:08

Tgt Ion: 45 Resp: 92645

Ion Ratio Lower Upper

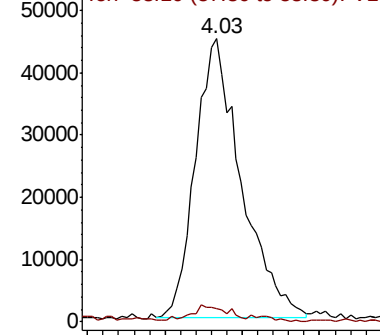
45 100

58 6.8 1.6 2.4#

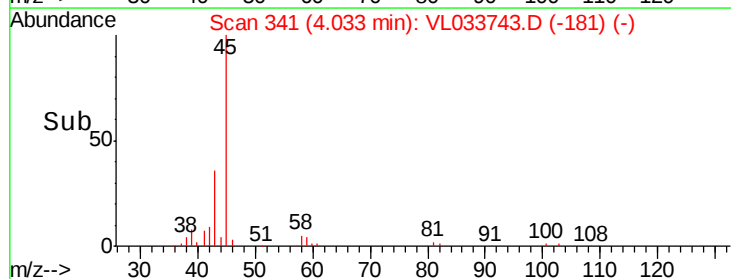


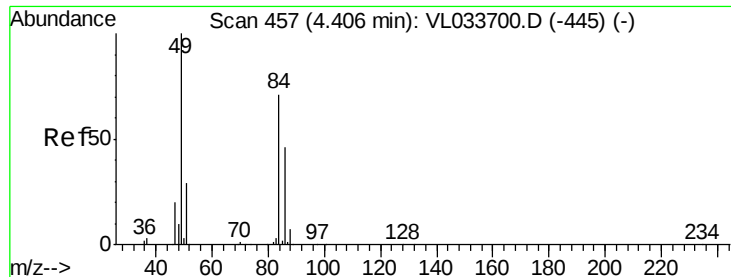
Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



Time-->





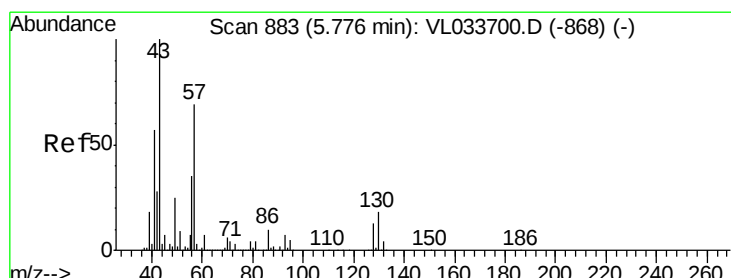
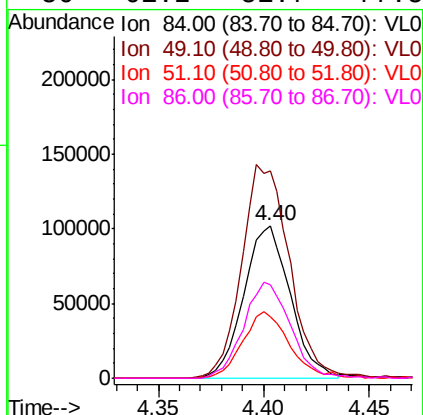
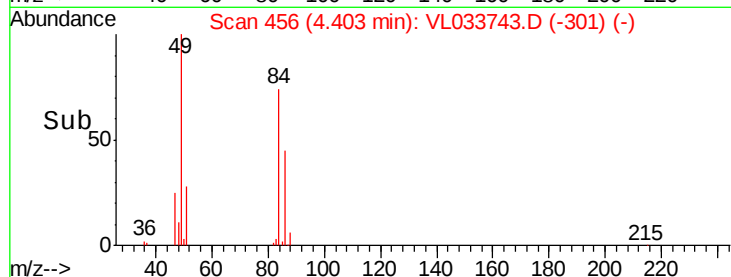
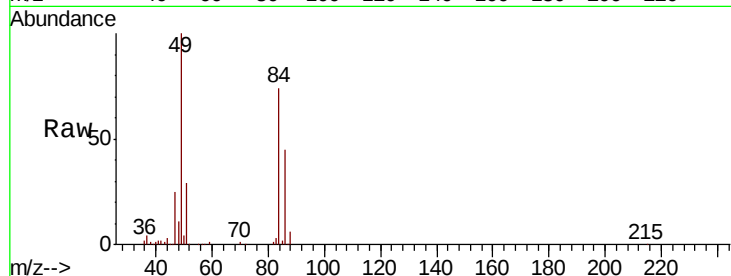
#20
Methvlene Chloride
Concen: 3.460 ppbv
RT: 4.40 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL033743.D
Acq: 22 May 2019 14:08

Instrument :
MSVOA_L
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
84	100				
49	135.6		112.8	169.2	
51	39.9		33.4	50.0	
86	61.2		51.7	77.5	

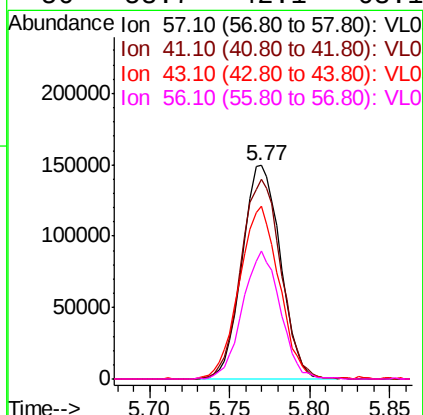
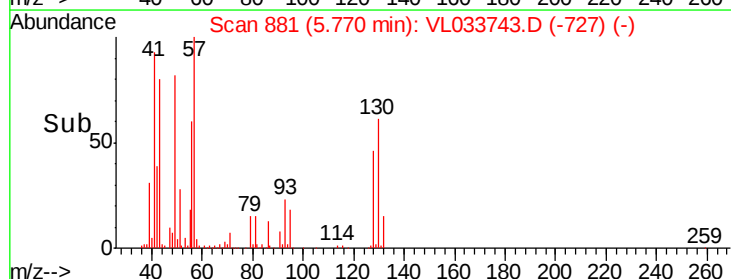
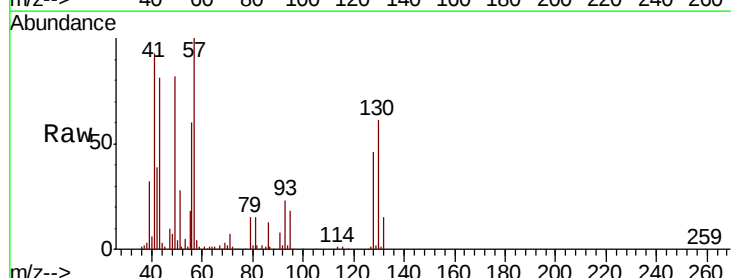
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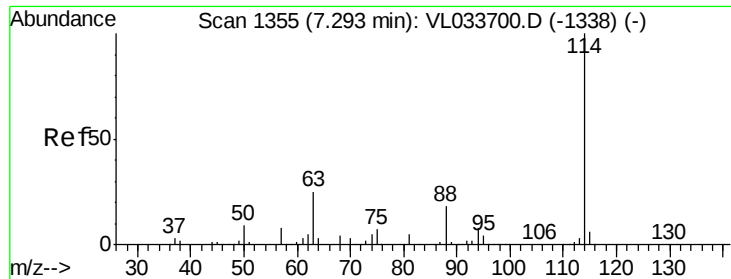
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#26
Hexane
Concen: 2.753 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.01 min
Lab File: VL033743.D
Acq: 22 May 2019 14:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	97.9		69.8	104.6	
43	84.3		181.8	272.6#	
56	58.7		42.1	63.1	





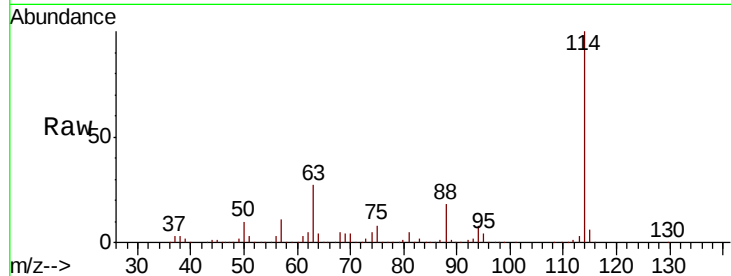
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1351
 Delta R.T. -0.01 min
 Lab File: VL033743.D
 Acq: 22 May 2019 14:08

Instrument :
 MSVOA_L
 ClientSampleId :
 BP-VPB202-AIR-UW-20190515

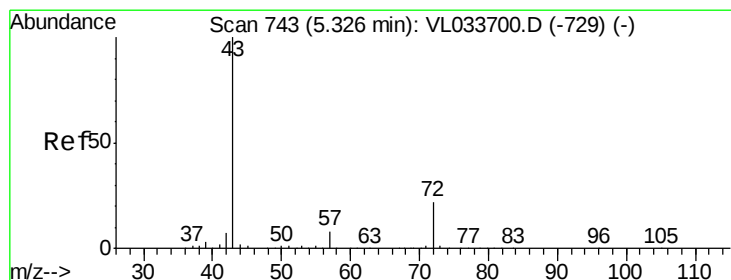
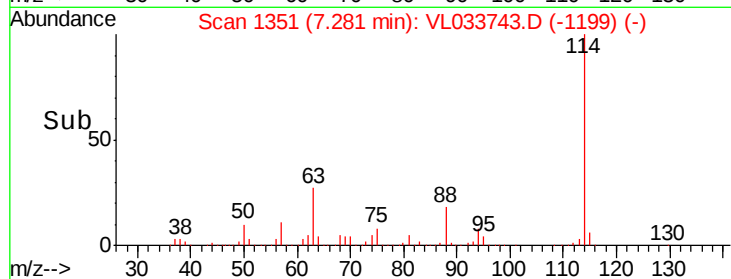
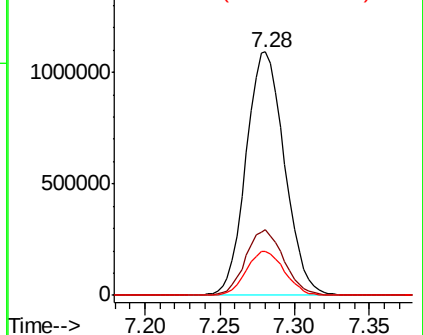
Tot Ion	Ratio	Lower	Upper
114	100		
63	26.7	20.9	31.3
88	18.1	14.3	21.5

Manual Integrations
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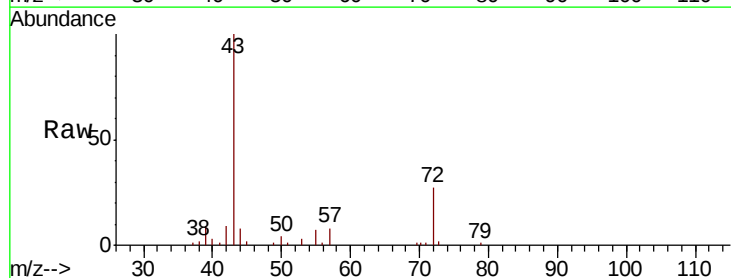


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

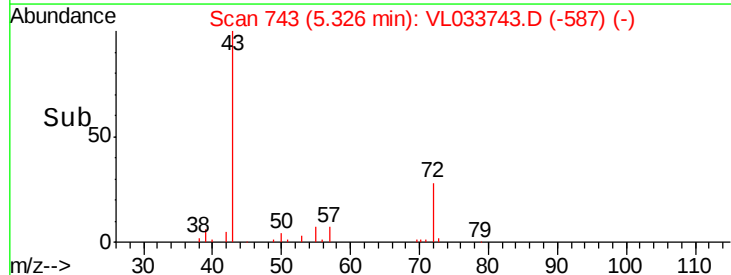
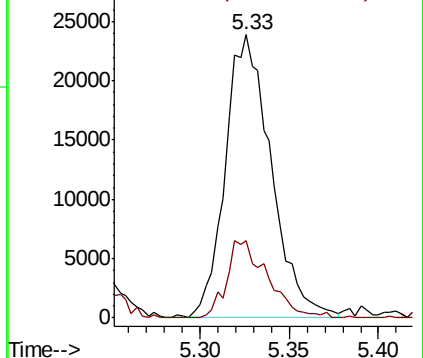


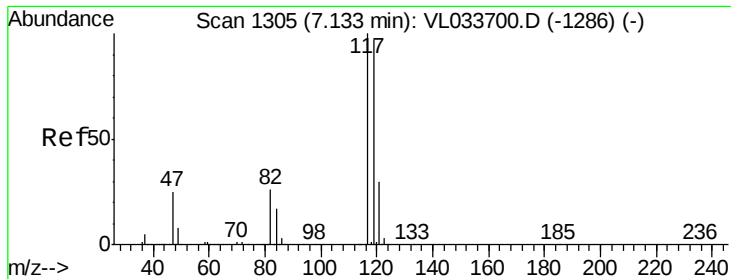
#34
 2-Butanone
 Concen: 0.352 ppbv
 RT: 5.33 min Scan# 743
 Delta R.T. 0.00 min
 Lab File: VL033743.D
 Acq: 22 May 2019 14:08

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.4	17.8	26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





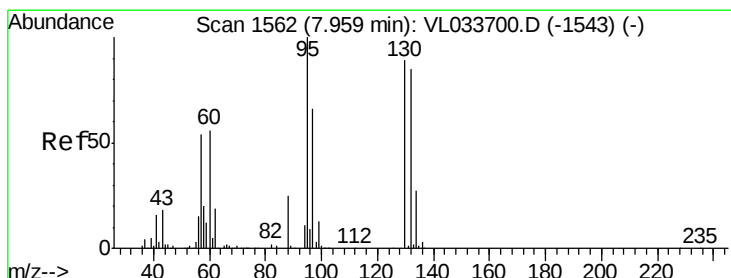
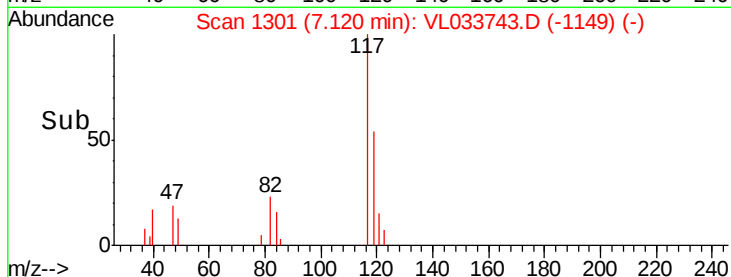
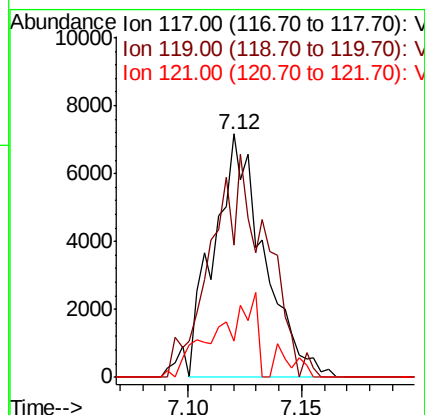
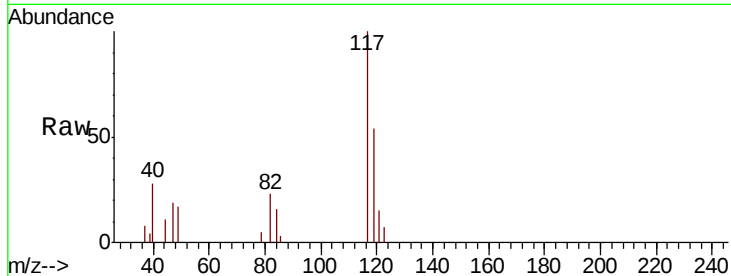
#35
Carbon Tetrachloride
Concen: 0.070 ppbv m
RT: 7.12 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VL033743.D
Acq: 22 May 2019 14:08

Instrument :
MSVOA_L
ClientSampleId :
BP-VPB202-AIR-UW-20190515

Tot Ion	Ratio	Lower	Upper
117	100		
119	54.5	77.2	115.8#
121	14.9	24.1	36.1#

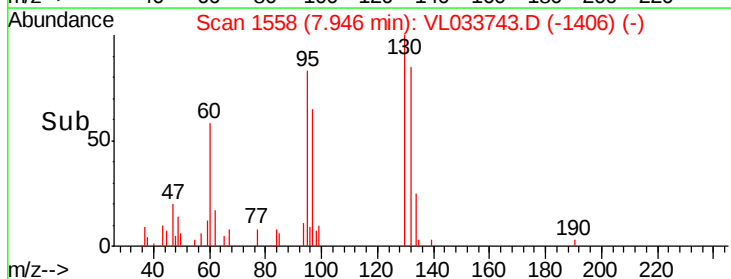
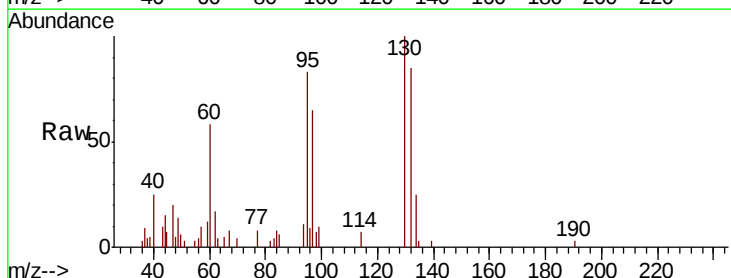
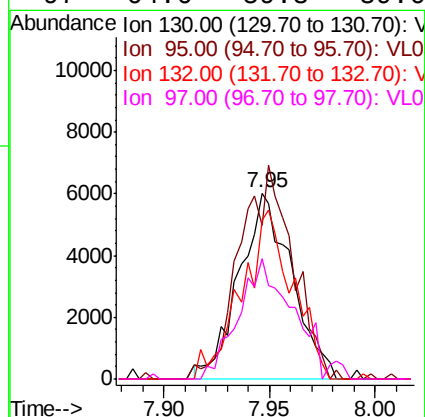
Manual Integrations
APPROVED

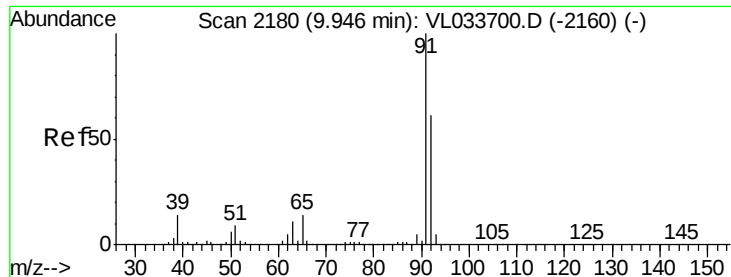
MMDadoda
5/28/2019 2:50:45 AM



#38
Trichloroethene
Concen: 0.157 ppbv m
RT: 7.95 min Scan# 1558
Delta R.T. -0.01 min
Lab File: VL033743.D
Acq: 22 May 2019 14:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	82.6	90.2	135.4#
132	85.4	76.4	114.6
97	64.6	59.8	89.6





#53

Toluene

Concen: 1.386 ppbv m

RT: 9.94 min Scan# 2178

Delta R.T. -0.01 min

Lab File: VL033743.D

Acq: 22 May 2019 14:08

Instrument :

MSVOA_L

ClientSampleId :

BP-VPB202-AIR-UW-20190515

Tot Ion: 91 Resp: 266041

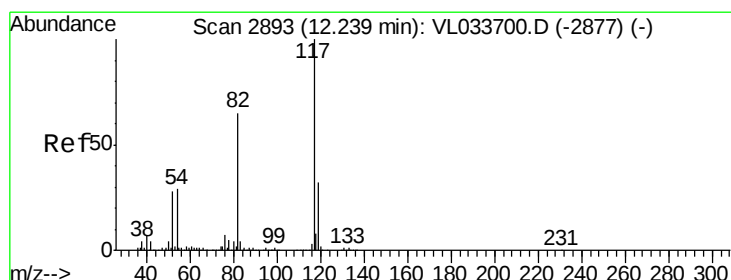
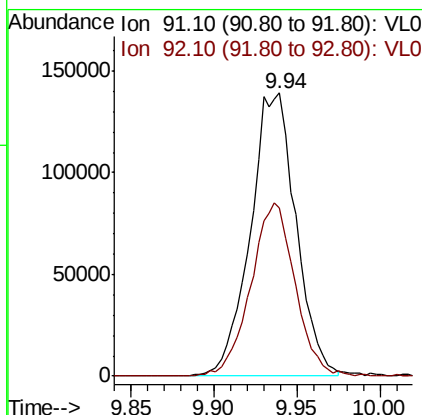
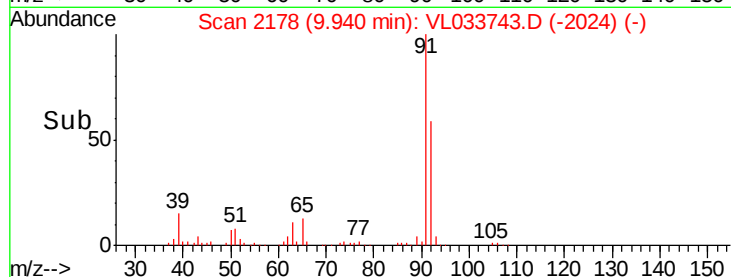
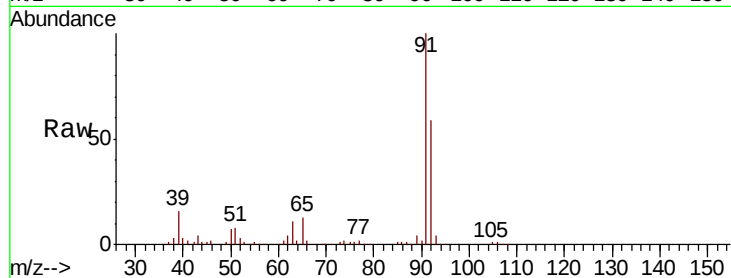
Ion Ratio Lower Upper

91 100

92 0.0 47.6 71.4#

Manual Integrations
APPROVED

MMDadoda
5/28/2019 2:50:45 AM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.23 min Scan# 2889

Delta R.T. -0.01 min

Lab File: VL033743.D

Acq: 22 May 2019 14:08

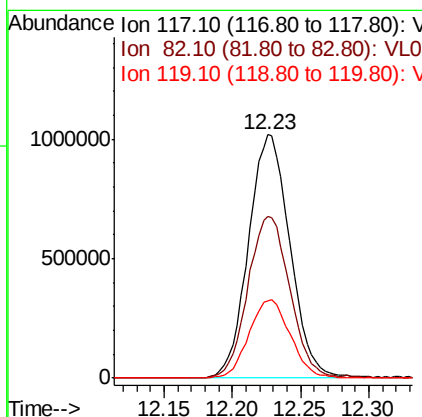
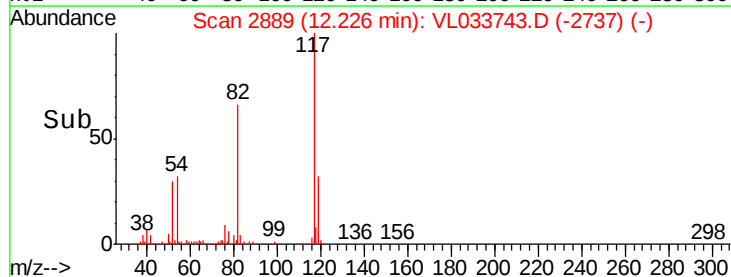
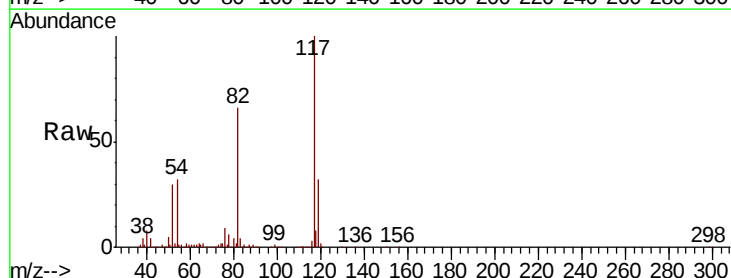
Tgt Ion: 117 Resp: 2145428

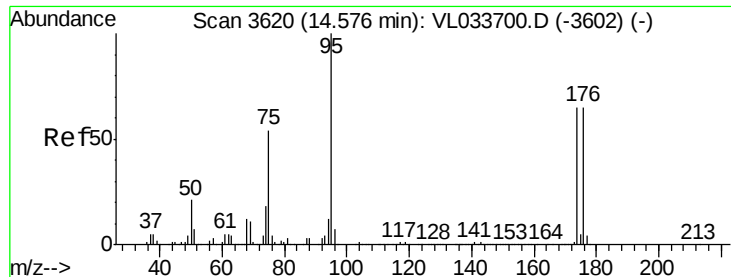
Ion Ratio Lower Upper

117 100

82 68.2 49.4 74.0

119 32.4 24.9 37.3





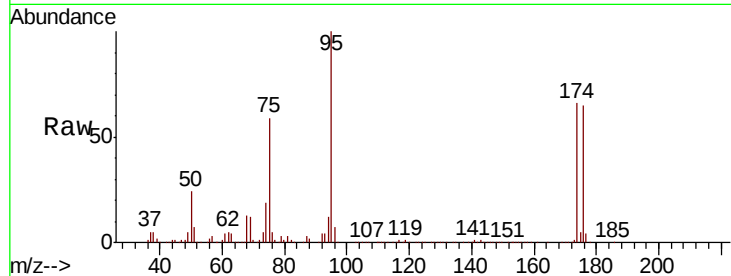
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.751 ppbv
 RT: 14.56 min Scan# 3616
 Delta R.T. -0.01 min
 Lab File: VL033743.D
 Acq: 22 May 2019 14:08

Instrument :
 MSVOA_L
 ClientSampleId :
 BP-VPB202-AIR-UW-20190515

Tot Ion: 95 Resp: 1695997
 Ion Ratio Lower Upper
 95 100
 174 66.8 53.9 80.9
 175 4.9 3.8 5.8

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 2:50:45 AM



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

