

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121718\
 Data File : VL033006.D
 Acq On : 17 Dec 2018 21:52
 Operator : SY/AP
 Sample : J6382-04
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 P0131-IA002-181212-01

Manual Integrations
 APPROVED

MMDadoda
 12/19/2018 5:36:38 PM

Quant Time: Dec 19 15:29:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 0
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1093329	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2601196	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2852835	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.59	95	2006296	9.52	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	90338	0.619	ppbv	99
4) Chloromethane	3.17	50	32694	0.678	ppbv	93
9) Propene	3.05	41	87612m	2.676	ppbv	
11) Trichlorofluoromethane	4.01	101	39298	0.286	ppbv	98
13) Ethanol	3.66	45	4583325	406.577	ppbv	96
15) Acetone	3.91	43	496153	5.287	ppbv	99
19) Isopropyl Alcohol	4.04	45	519844m	8.821	ppbv	
20) Methylene Chloride	4.42	84	139678	3.045	ppbv	98
26) Hexane	5.79	57	180190	1.761	ppbv #	68
29) Chloroform	5.86	83	25433m	0.139	ppbv	
34) 2-Butanone	5.34	43	46563	0.411	ppbv	95
36) Benzene	7.01	78	71706	0.375	ppbv	98
38) Trichloroethene	7.97	130	5122m	0.064	ppbv	
53) Toluene	9.95	91	1495466	7.370	ppbv	100

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

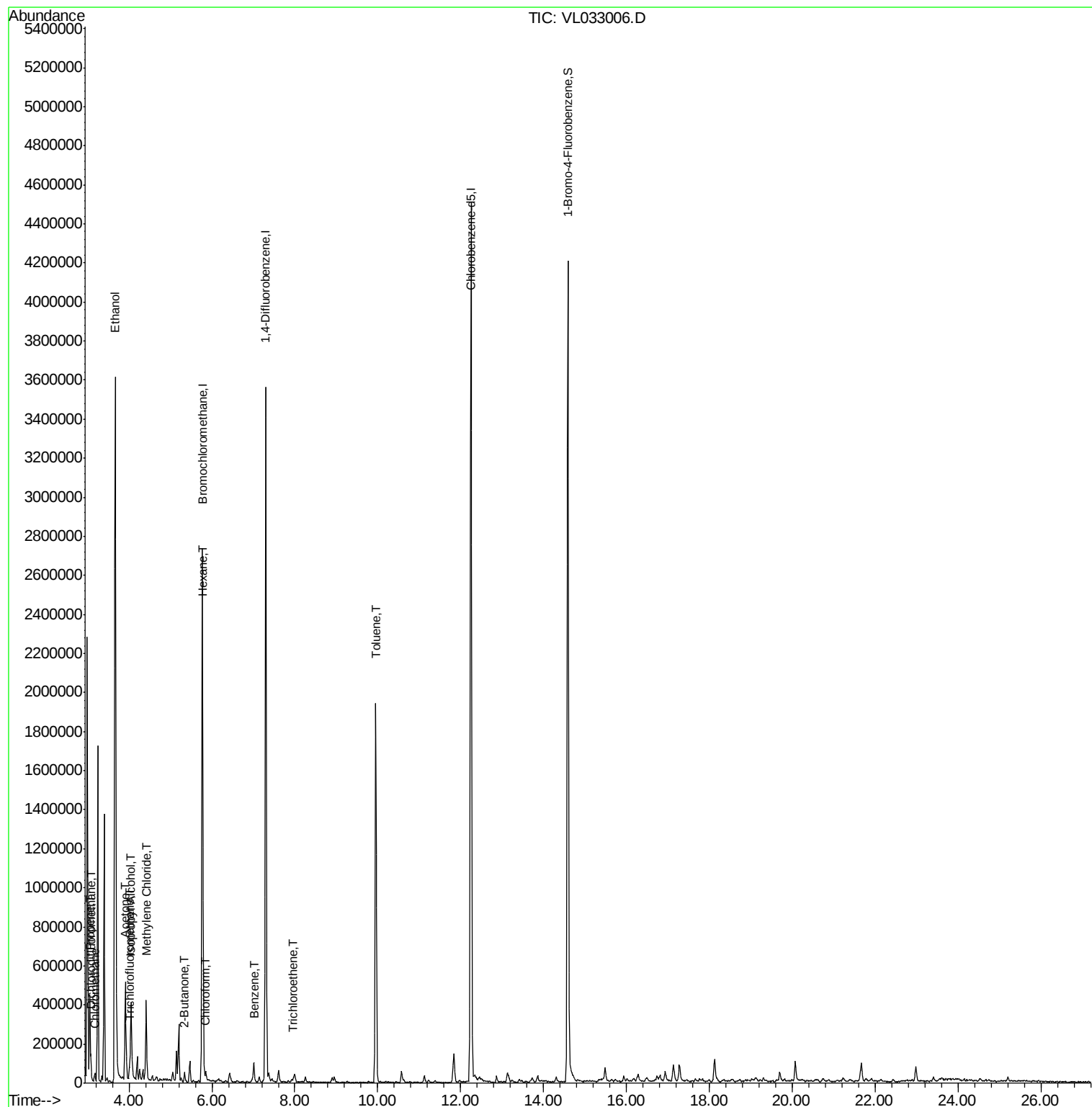
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL121718\
Data File : VL033006.D
Acq On : 17 Dec 2018 21:52
Operator : SY/AP
Sample : J6382-04
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

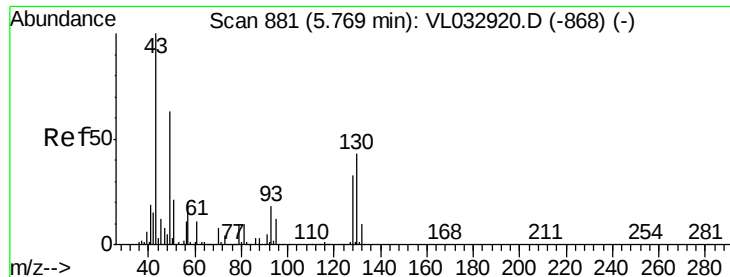
Instrument :
MSVOA_L
ClientSampleId :
P0131-IA002-181212-01

Manual Integrations
APPROVED

MMDadoda
12/19/2018 5:36:38 PM

Quant Time: Dec 19 15:29:53 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.00 min

Lab File: VL033006.D

Acq: 17 Dec 2018 21:52

Instrument :

MSVOA_L

ClientSampleId :

P0131-IA002-181212-01

Tot Ion: 49 Resp: 1093329

Ion Ratio Lower Upper

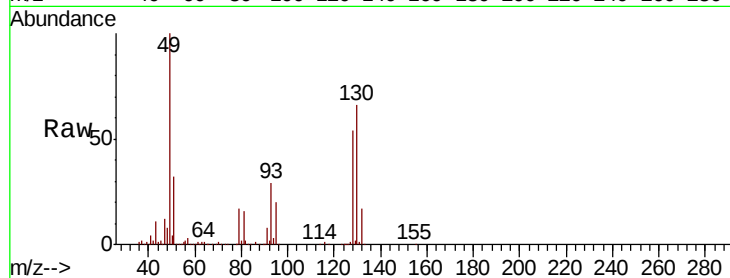
49 100

128 53.4 26.3 78.8

130 68.0 33.9 101.7

Manual Integrations
APPROVED

MMDadoda
12/19/2018 5:36:38 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

5.77

800000

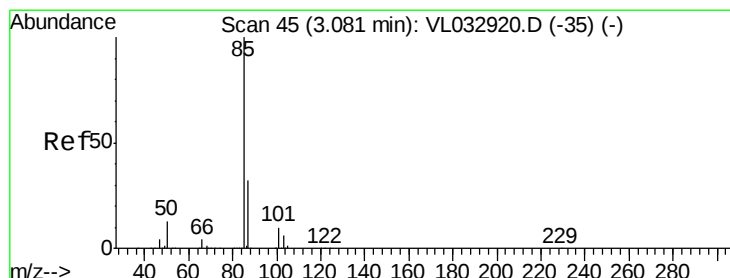
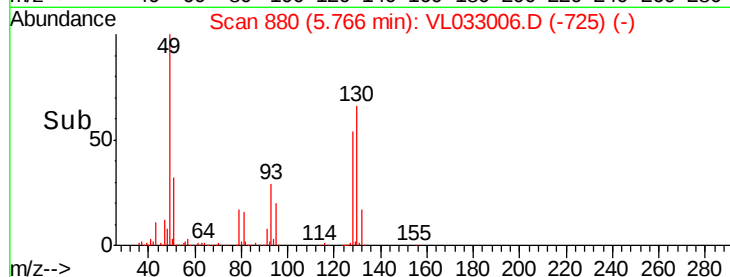
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.619 ppbv

RT: 3.08 min Scan# 45

Delta R.T. 0.00 min

Lab File: VL033006.D

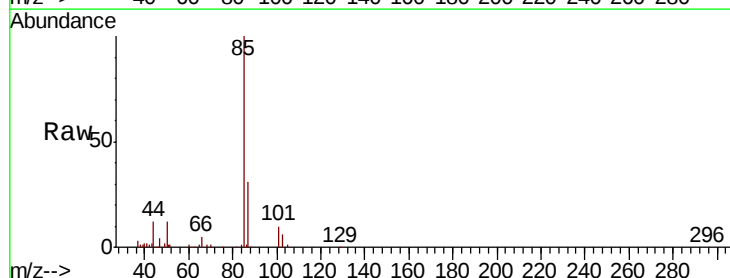
Acq: 17 Dec 2018 21:52

Tgt Ion: 85 Resp: 90338

Ion Ratio Lower Upper

85 100

87 31.4 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.08

80000

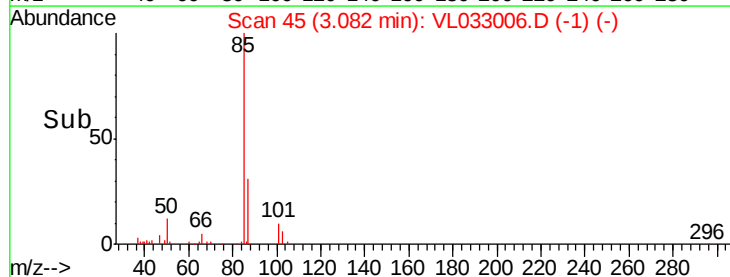
60000

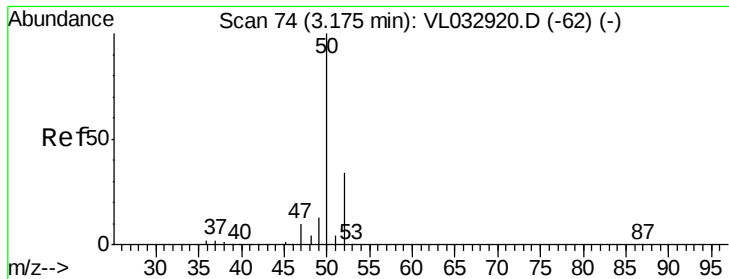
40000

20000

0

Time-->





#4

Chloromethane

Concen: 0.678 ppbv

RT: 3.17 min Scan# 74

Delta R.T. 0.00 min

Lab File: VL033006.D

Acq: 17 Dec 2018 21:52

Instrument :

MSVOA_L

ClientSampleId :

P0131-IA002-181212-01

Tot Ion: 50 Resp: 32694

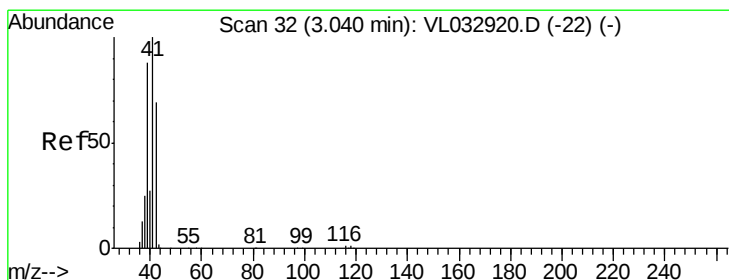
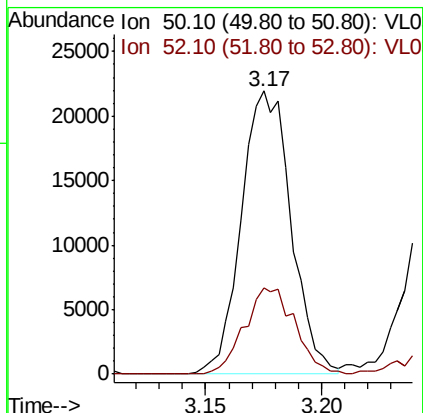
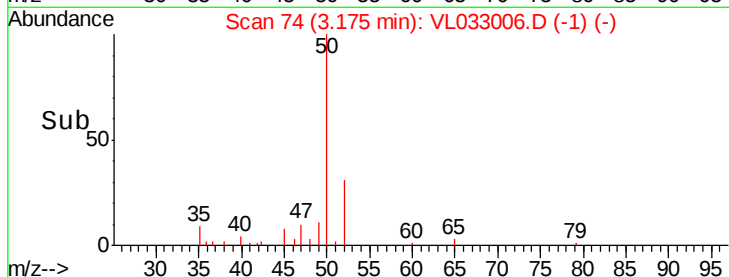
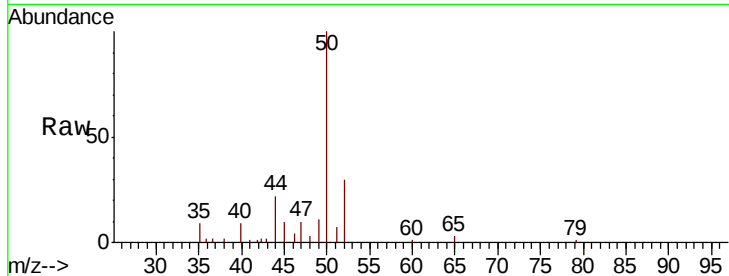
Ion Ratio Lower Upper

50 100

52 30.4 27.3 40.9

Manual Integrations
APPROVED

MMDadoda
12/19/2018 5:36:38 PM



#9

Propene

Concen: 2.676 ppbv m

RT: 3.05 min Scan# 36

Delta R.T. 0.01 min

Lab File: VL033006.D

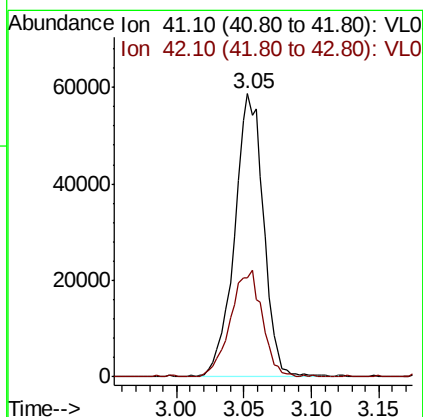
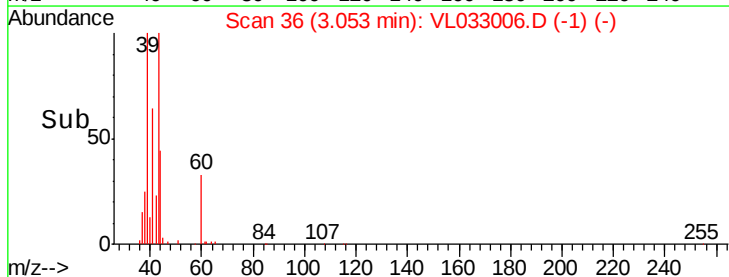
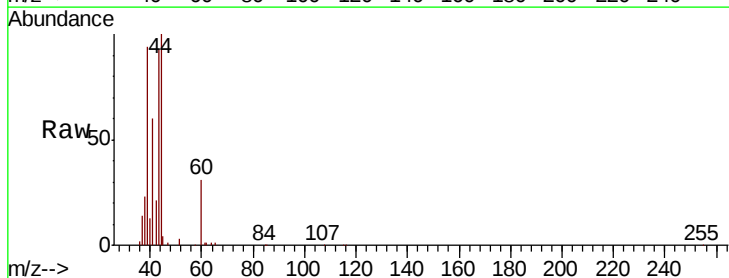
Acq: 17 Dec 2018 21:52

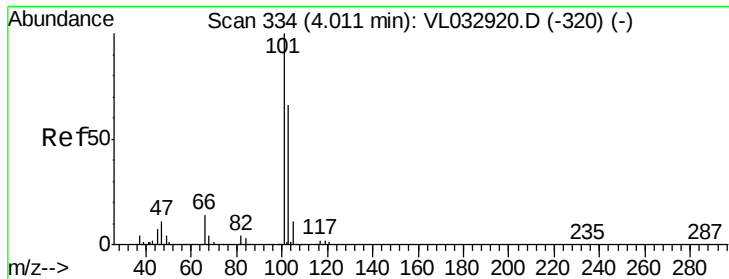
Tgt Ion: 41 Resp: 87612

Ion Ratio Lower Upper

41 100

42 345.4 56.2 84.2#





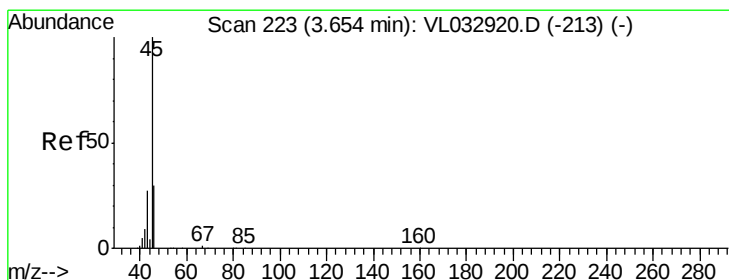
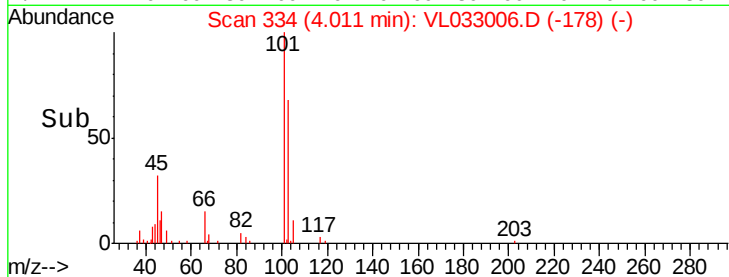
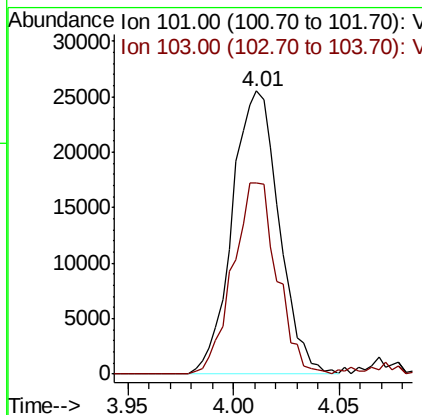
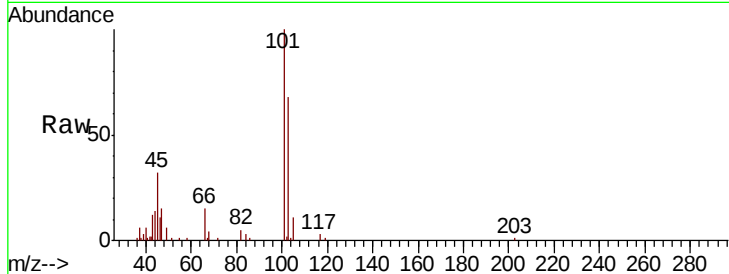
#11
 Trichlorofluoromethane
 Concen: 0.286 ppbv
 RT: 4.01 min Scan# 334
 Delta R.T. 0.00 min
 Lab File: VL033006.D
 Acq: 17 Dec 2018 21:52

Instrument :
 MSVOA_L
 ClientSampleId :
 P0131-IA002-181212-01

Tot Ion:101 Resp: 39298
 Ion Ratio Lower Upper
 101 100
 103 67.7 52.7 79.1

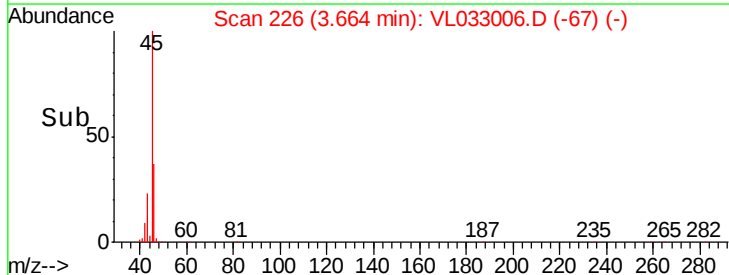
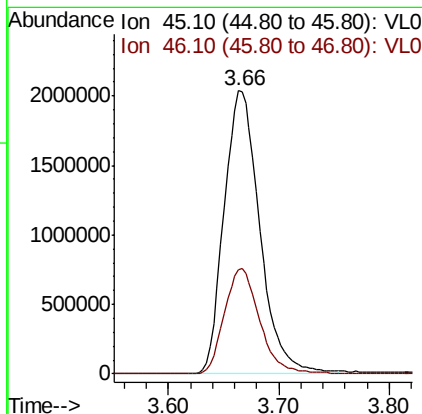
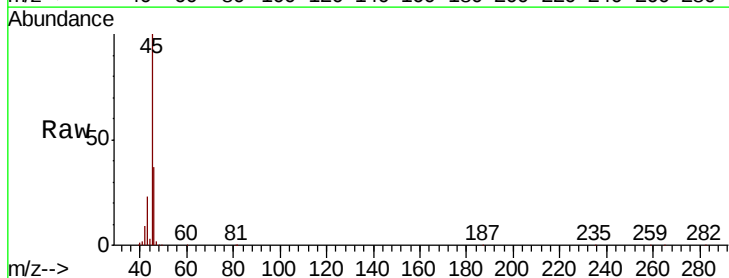
Manual Integrations
 APPROVED

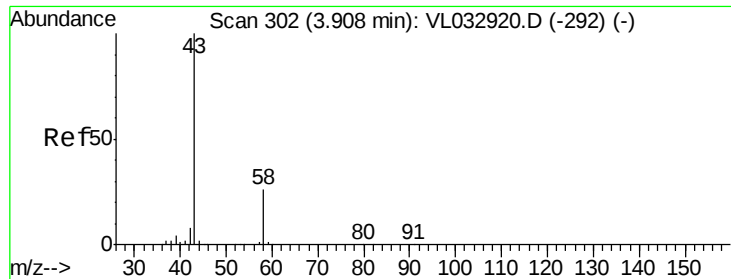
MMDadoda
 12/19/2018 5:36:38 PM



#13
 Ethanol
 Concen: 406.577 ppbv
 RT: 3.66 min Scan# 226
 Delta R.T. 0.01 min
 Lab File: VL033006.D
 Acq: 17 Dec 2018 21:52

Tgt Ion: 45 Resp: 4583325
 Ion Ratio Lower Upper
 45 100
 46 37.0 13.8 55.4





#15

Acetone

Concen: 5.287 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.00 min

Lab File: VL033006.D

Acq: 17 Dec 2018 21:52

Instrument :

MSVOA_L

ClientSampleId :

P0131-IA002-181212-01

Tot Ion: 43 Resp: 496153

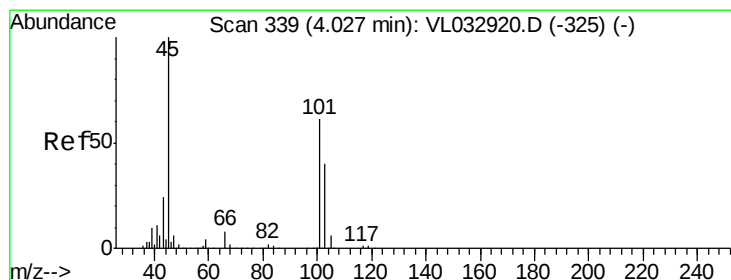
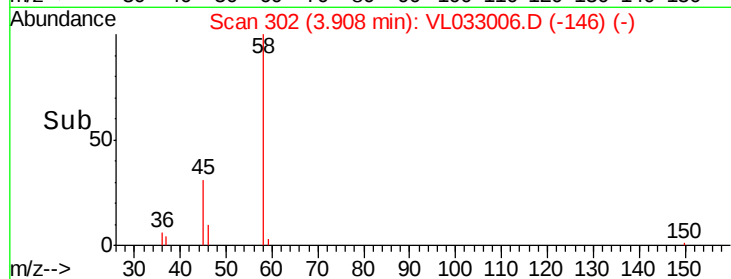
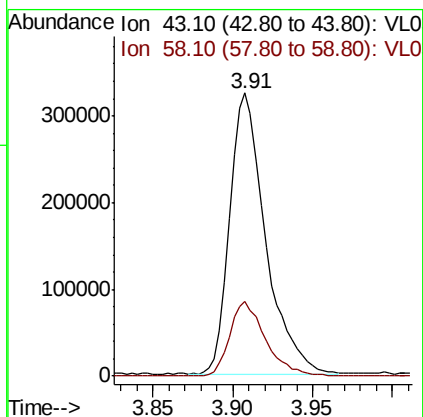
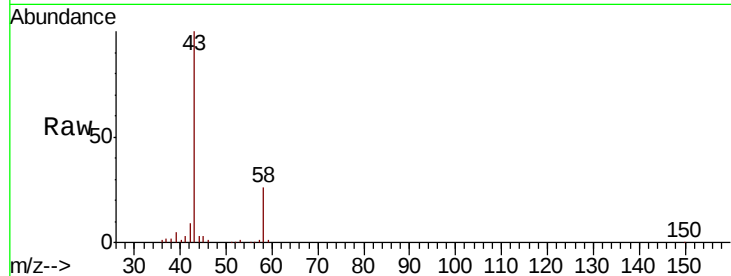
Ion Ratio Lower Upper

43 100

58 26.5 20.6 30.8

Manual Integrations
APPROVED

MMDadoda
12/19/2018 5:36:38 PM



#19

Isopropyl Alcohol

Concen: 8.821 ppbv m

RT: 4.04 min Scan# 344

Delta R.T. 0.02 min

Lab File: VL033006.D

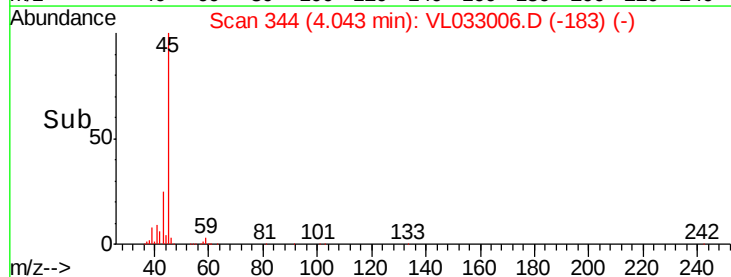
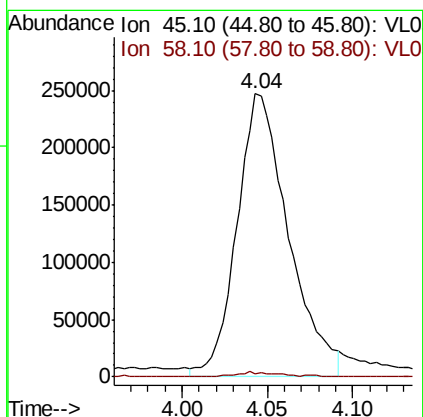
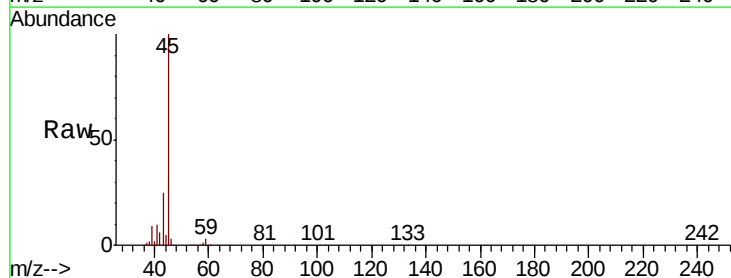
Acq: 17 Dec 2018 21:52

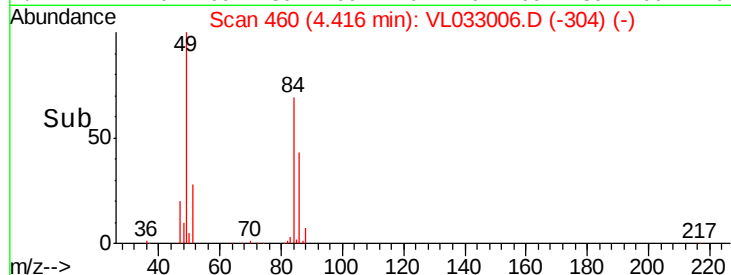
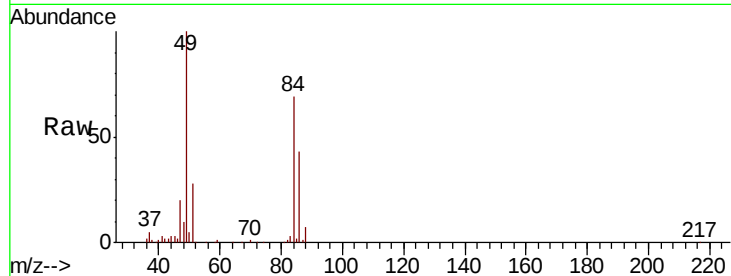
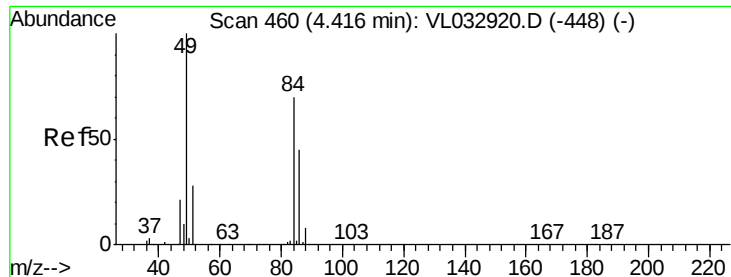
Tgt Ion: 45 Resp: 519844

Ion Ratio Lower Upper

45 100

58 0.0 1.4 2.2#





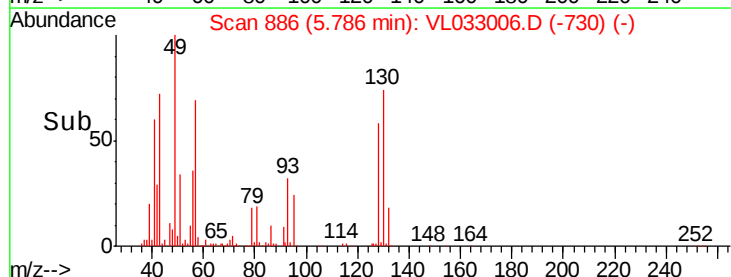
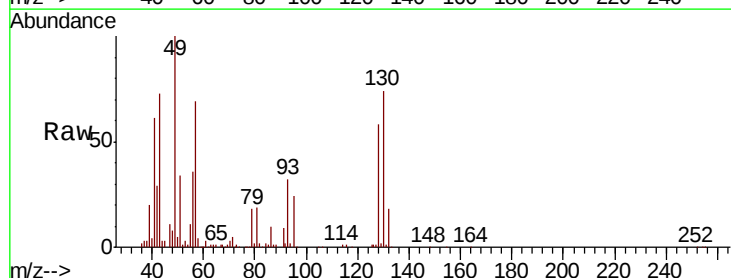
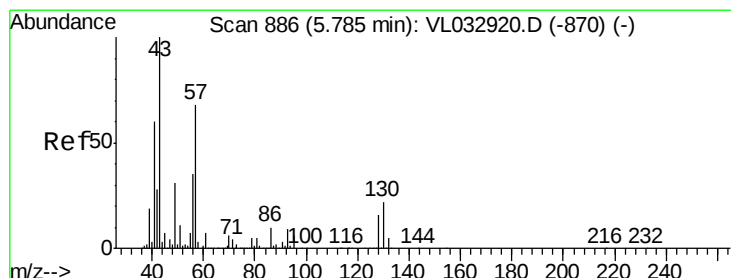
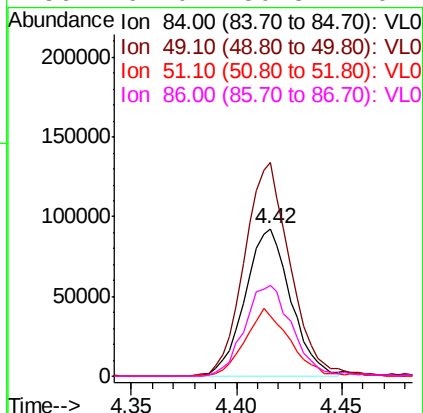
#20
Methvlene Chloride
Concen: 3.045 ppbv
RT: 4.42 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL033006.D
Acq: 17 Dec 2018 21:52

Tot Ion	Ion	Ratio	Resp	Lower	Upper
84	100				
49	144.7	113.8	170.8		
51	40.3	31.8	47.8		
86	62.0	50.8	76.2		

Instrument :
MSVOA_L
ClientSampleId :
P0131-IA002-181212-01

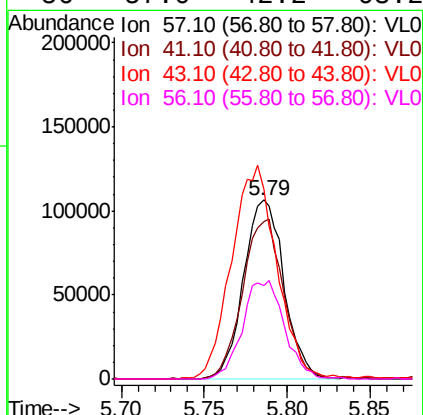
Manual Integrations
APPROVED

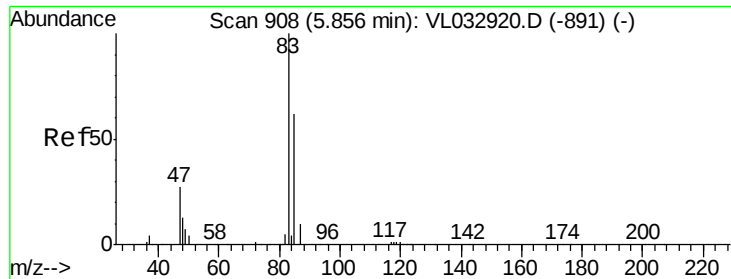
MMDadoda
12/19/2018 5:36:38 PM



#26
Hexane
Concen: 1.761 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.00 min
Lab File: VL033006.D
Acq: 17 Dec 2018 21:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	92.2	72.2	108.2		
43	133.9	171.9	257.9		
56	57.0	42.2	63.2		





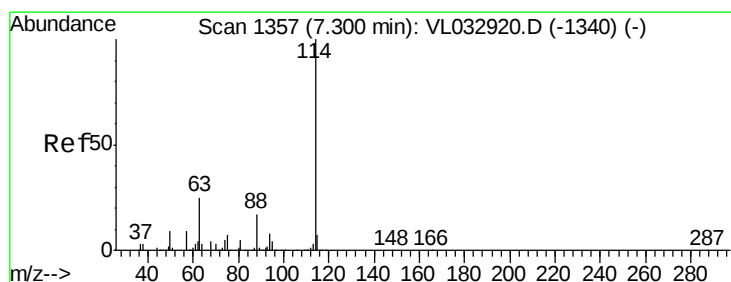
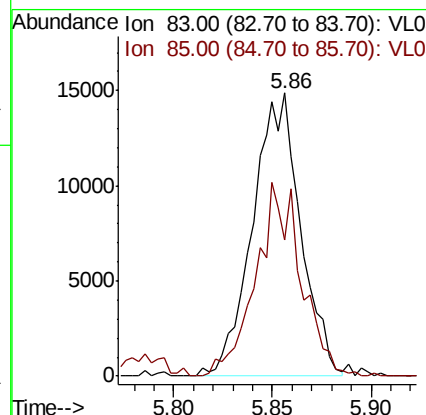
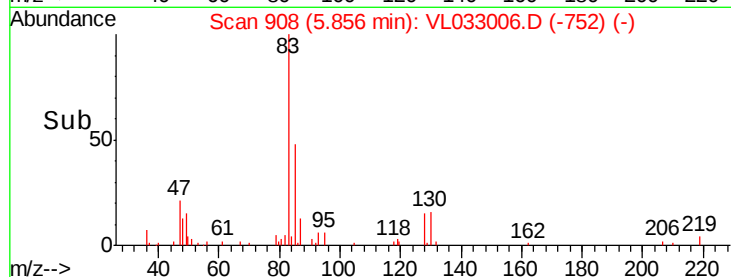
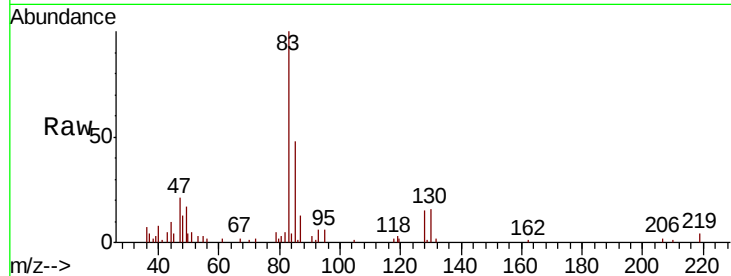
#29
Chloroform
Concen: 0.139 ppbv m
RT: 5.86 min Scan# 908
Delta R.T. 0.00 min
Lab File: VL033006.D
Acq: 17 Dec 2018 21:52

Instrument :
MSVOA_L
ClientSampleId :
P0131-IA002-181212-01

Tot Ion: 83 Resp: 25433
Ion Ratio Lower Upper
83 100
85 48.1 49.8 74.8#

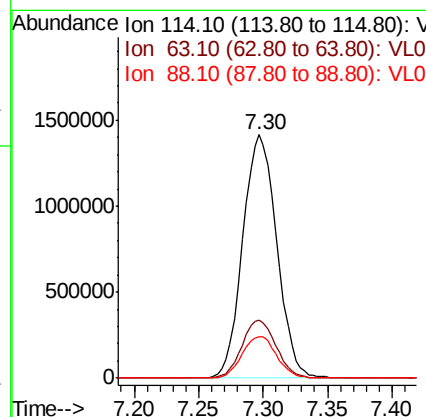
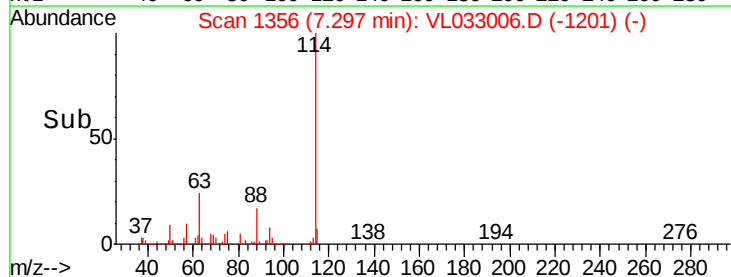
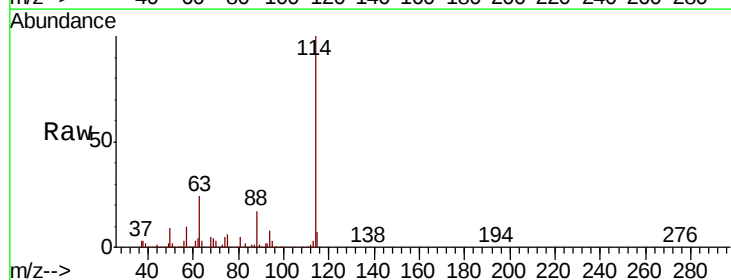
Manual Integrations
APPROVED

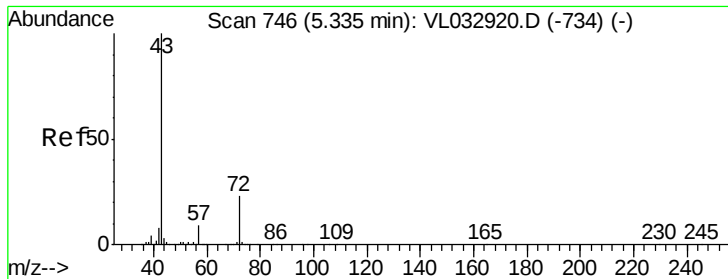
MMDadoda
12/19/2018 5:36:38 PM



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL033006.D
Acq: 17 Dec 2018 21:52

Tgt Ion: 114 Resp: 2601196
Ion Ratio Lower Upper
114 100
63 24.0 20.1 30.1
88 17.4 14.2 21.4





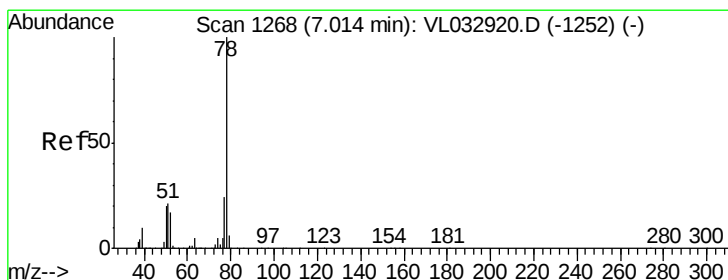
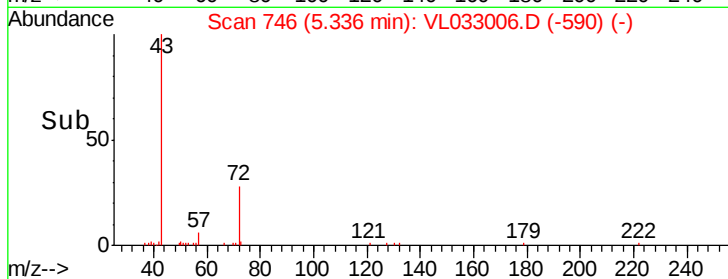
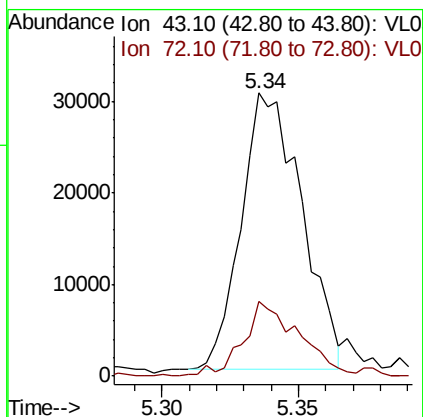
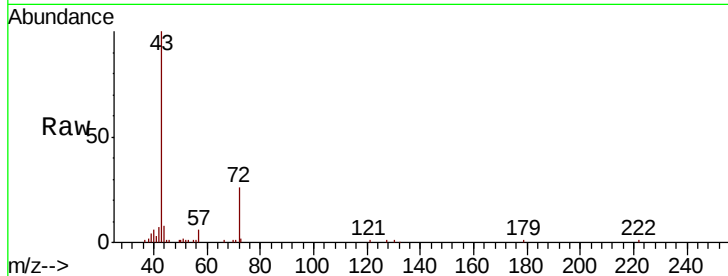
#34
2-Butanone
Concen: 0.411 ppbv
RT: 5.34 min Scan# 746
Delta R.T. 0.00 min
Lab File: VL033006.D
Acq: 17 Dec 2018 21:52

Instrument :
MSVOA_L
ClientSampleId :
P0131-IA002-181212-01

Tot Ion	Ratio	Lower	Upper
43	100		
72	25.9	18.8	28.2

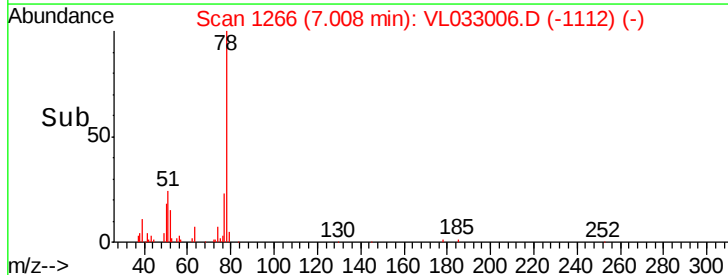
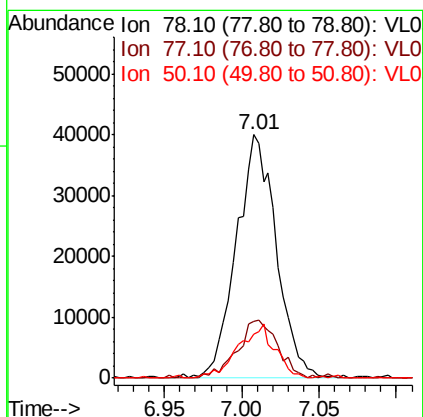
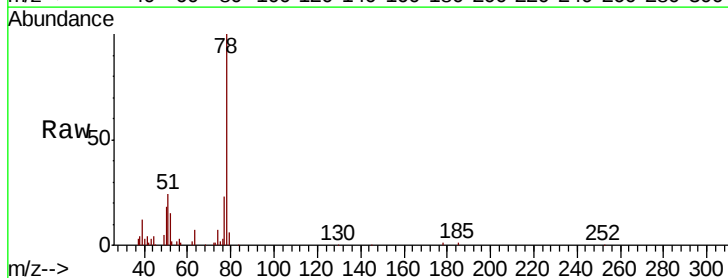
Manual Integrations
APPROVED

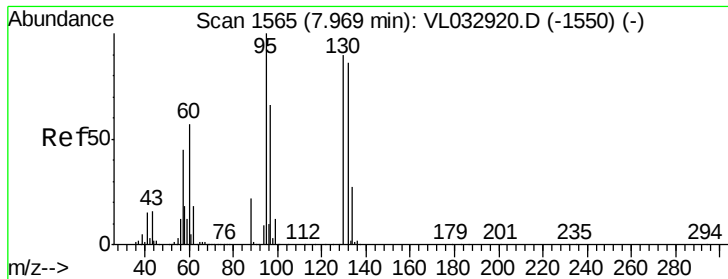
MMDadoda
12/19/2018 5:36:38 PM



#36
Benzene
Concen: 0.375 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. -0.01 min
Lab File: VL033006.D
Acq: 17 Dec 2018 21:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.9	28.3
50	18.3	16.1	24.1





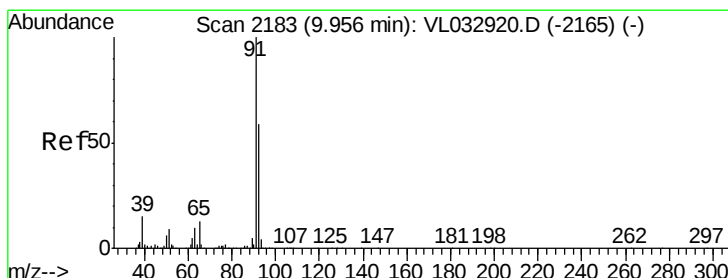
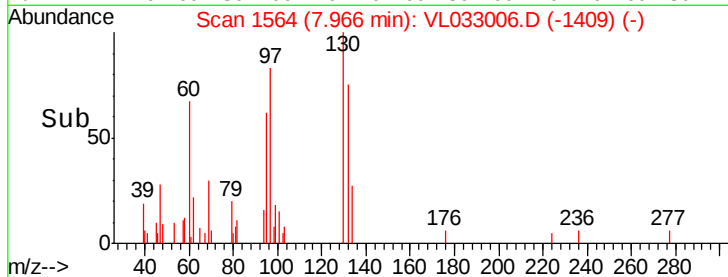
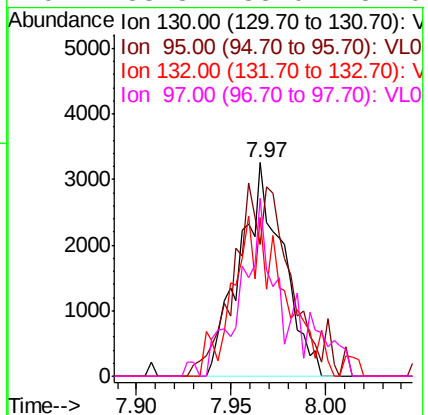
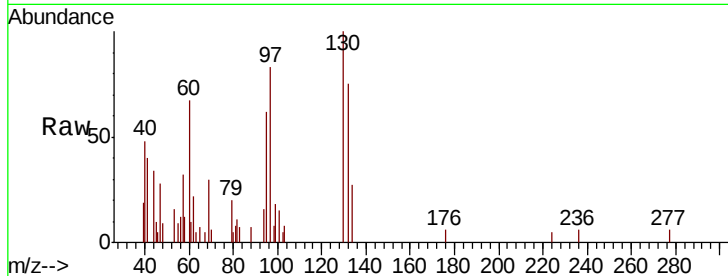
#38
 Trichloroethene
 Concen: 0.064 ppbv m
 RT: 7.97 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VL033006.D
 Acq: 17 Dec 2018 21:52

Instrument :
 MSVOA_L
 ClientSampleId :
 P0131-IA002-181212-01

Tot Ion	Ratio	Lower	Upper
130	100		
95	61.6	88.6	132.8#
132	74.6	76.1	114.1#
97	83.3	58.0	87.0

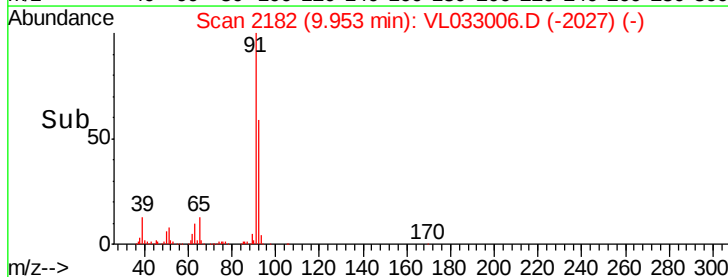
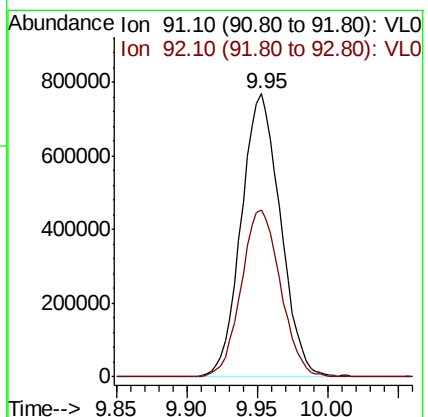
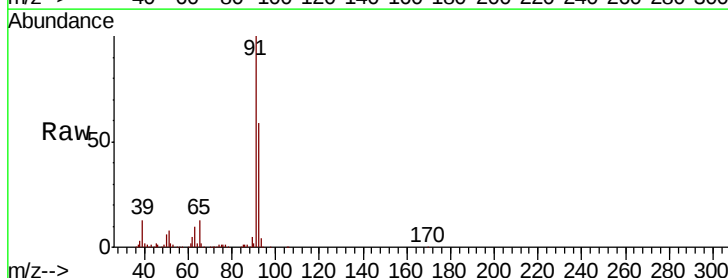
Manual Integrations
 APPROVED

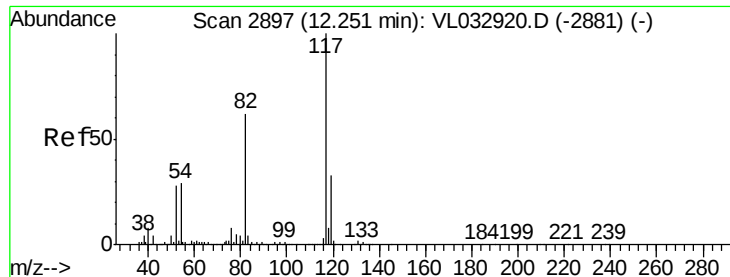
MMDadoda
 12/19/2018 5:36:38 PM



#53
 Toluene
 Concen: 7.370 ppbv
 RT: 9.95 min Scan# 2182
 Delta R.T. -0.00 min
 Lab File: VL033006.D
 Acq: 17 Dec 2018 21:52

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.5	47.4	71.0





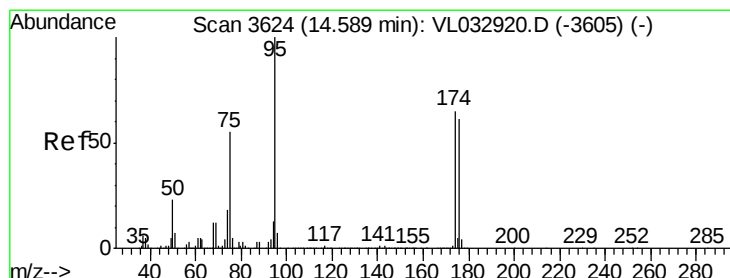
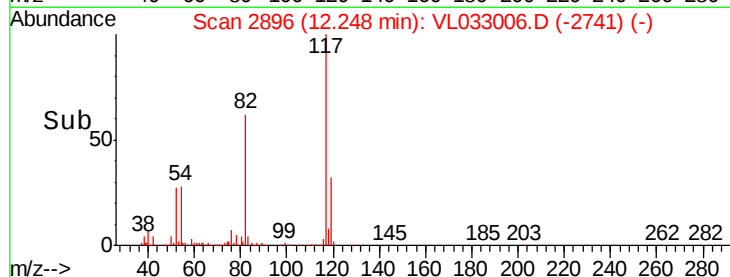
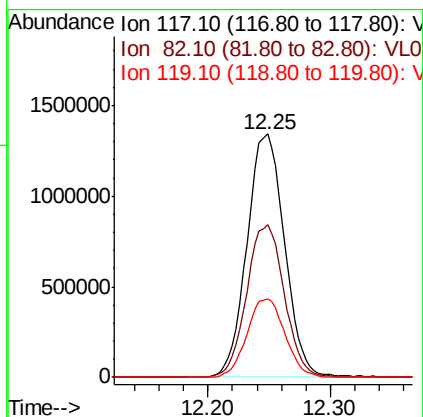
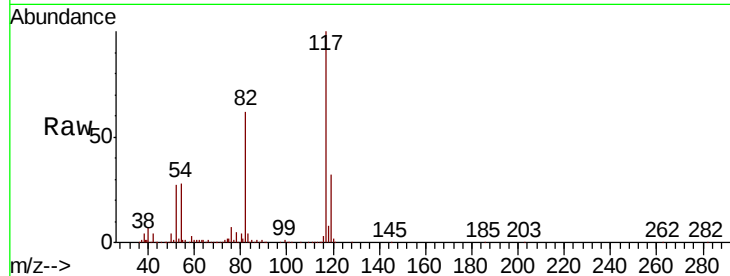
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VL033006.D
Acq: 17 Dec 2018 21:52

Instrument :
MSVOA_L
ClientSampleId :
P0131-IA002-181212-01

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.4	47.8	71.8
119	32.9	43.1	64.7

Manual Integrations
APPROVED

MMDadoda
12/19/2018 5:36:38 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 9.519 ppbv
RT: 14.59 min Scan# 3623
Delta R.T. -0.00 min
Lab File: VL033006.D
Acq: 17 Dec 2018 21:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	67.7	51.4	77.0
175	4.9	3.8	5.6

