

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031319\
 Data File : VL033312.D
 Acq On : 14 Mar 2019 12:15
 Operator : SY/AP
 Sample : K1758-01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 DP-VPB201-AIR-UW-20190305

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 10:42:02 PM

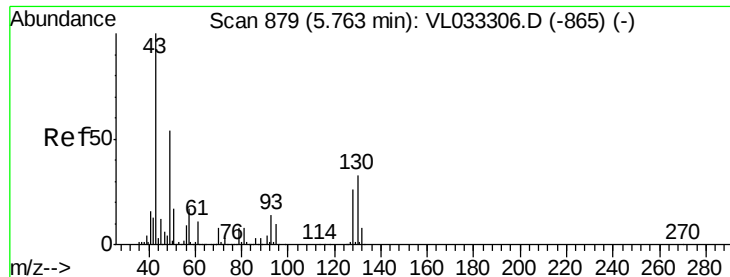
Quant Time: Mar 15 15:53:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031319AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 14 2019
 QLast Update : Thu Mar 14 00:01:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	720912	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1676507	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1616234	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	1270748	10.30	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	61464	0.461	ppbv	95
3) Chlorodifluoromethane	3.02	51	30121m	0.320	ppbv	
4) Chloromethane	3.17	50	25602	0.503	ppbv	95
9) Propene	3.05	41	23937	0.564	ppbv #	77
11) Trichlorofluoromethane	4.00	101	34910	0.260	ppbv	88
13) Ethanol	3.66	45	64863m	4.993	ppbv	
15) Acetone	3.90	43	189720m	1.914	ppbv	
19) Isopropyl Alcohol	4.04	45	30917m	0.510	ppbv	
20) Methylene Chloride	4.41	84	77876	1.941	ppbv	96
26) Hexane	5.78	57	65268	0.774	ppbv #	50
34) 2-Butanone	5.34	43	28921	0.250	ppbv	94
35) Carbon Tetrachloride	7.13	117	11711m	0.091	ppbv	
36) Benzene	7.00	78	53314	0.324	ppbv	98
53) Toluene	9.94	91	168715	0.895	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033312.D

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Instrument :

MSVOA_L

ClientSampleId :

DP-VPB201-AIR-UW-20190305

Tgt Ion: 49 Resp: 720912
Ion Ratio Lower Upper

49 100

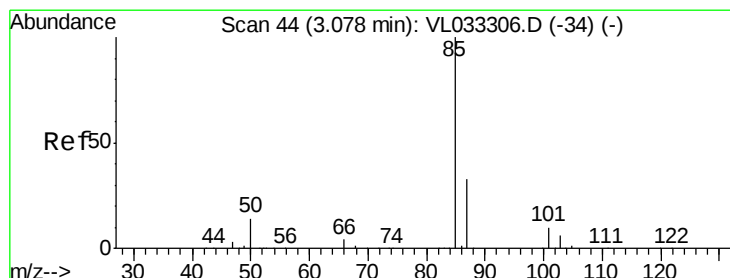
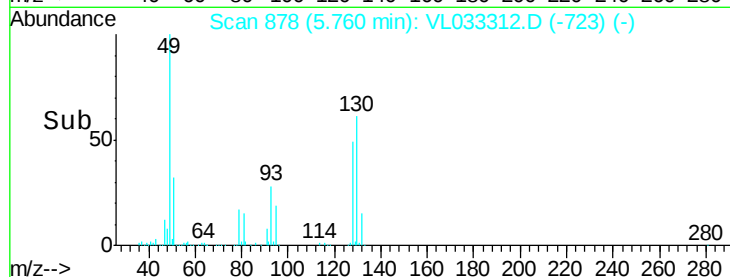
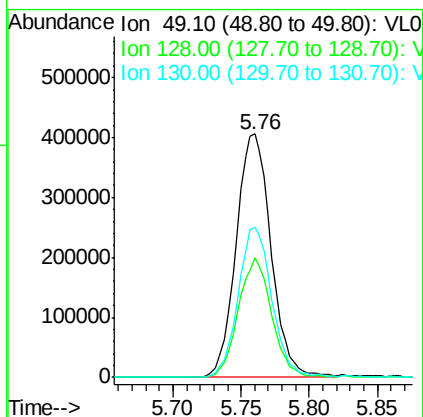
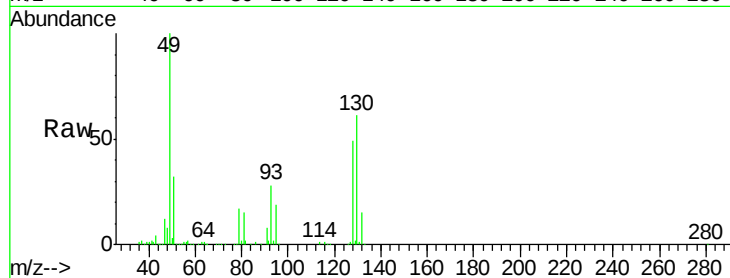
128 47.5 23.4 70.3

130 60.2 29.9 89.7

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#2

Dichlorodifluoromethane

Concen: 0.461 ppbv

RT: 3.08 min Scan# 44

Delta R.T. -0.00 min

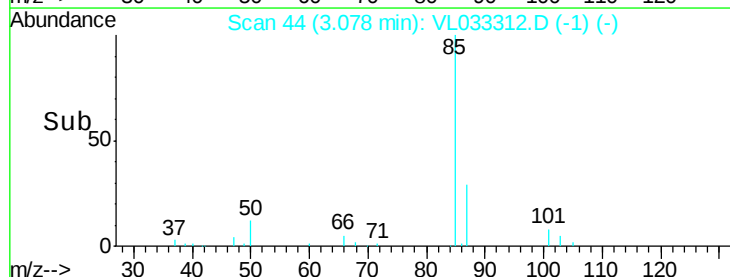
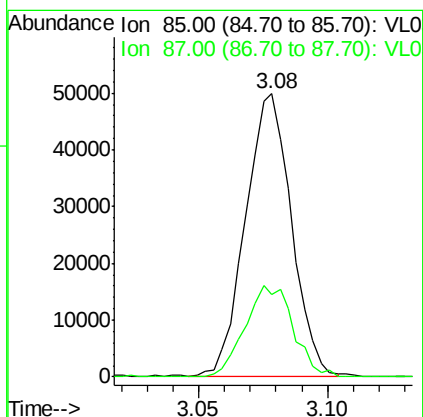
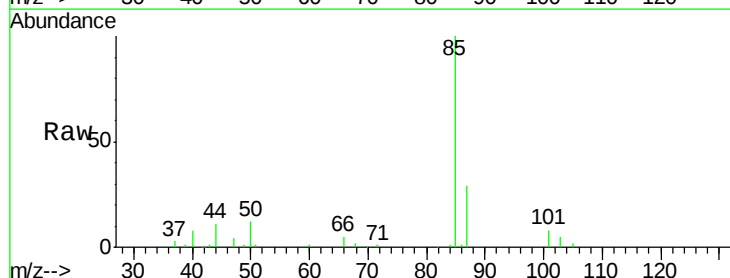
Lab File: VL033312.D

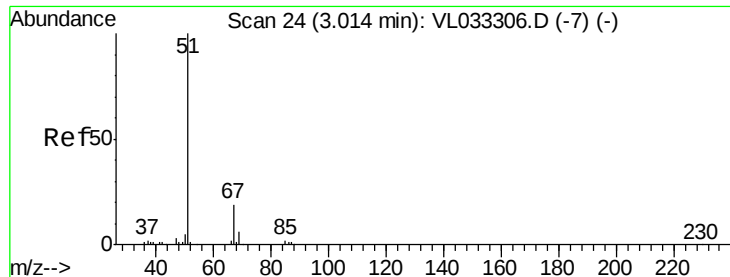
Acq: 14 Mar 2019 12:15

Tgt Ion: 85 Resp: 61464
Ion Ratio Lower Upper

85 100

87 29.4 25.8 38.8





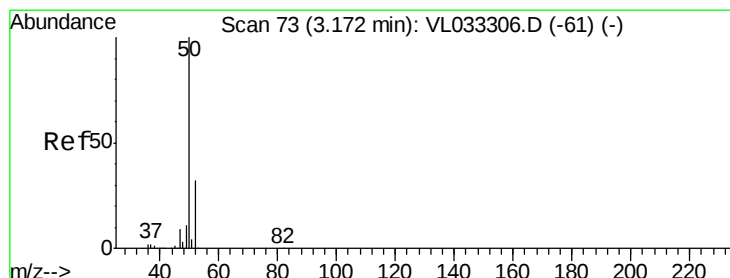
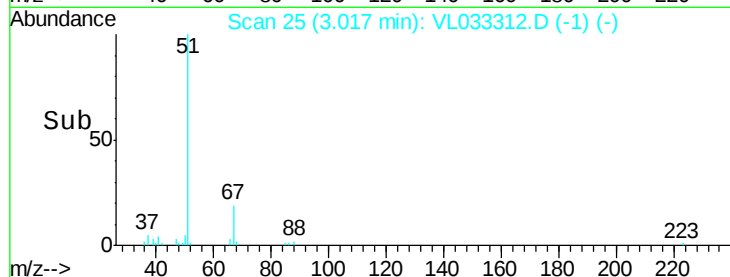
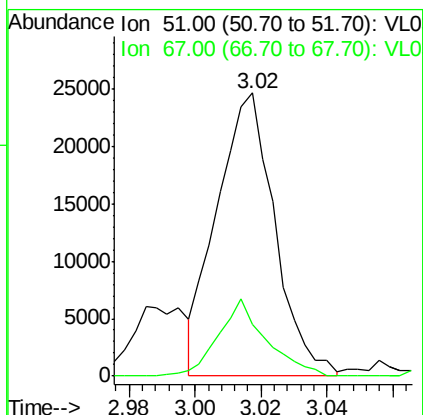
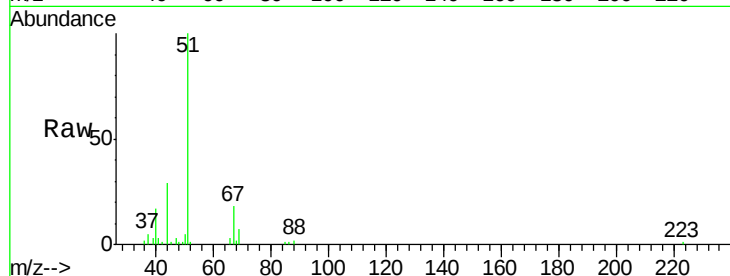
#3
Chlorodifluoromethane
Concen: 0.320 ppbv
RT: 3.02 min Scan# 25
Delta R.T. 0.00 min
Lab File: VL033312.D
Acq: 14 Mar 2019 12:15

Instrument :
MSVOA_L
ClientSampleId :
DP-VPB201-AIR-UW-20190305

Tgt Ion: 51 Resp: 30121
Ion Ratio Lower Upper
51 100
67 22.5 14.9 22.3#

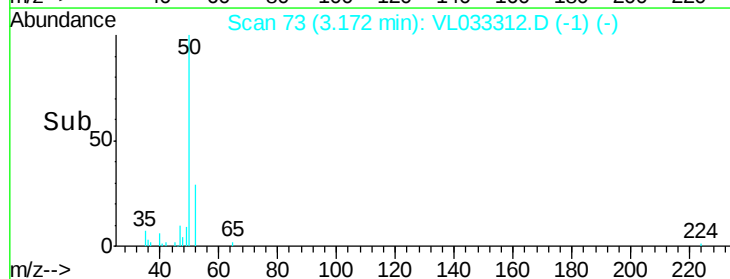
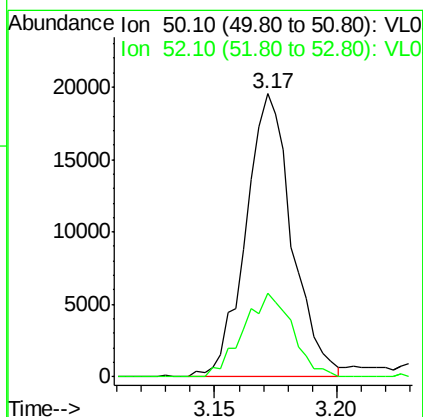
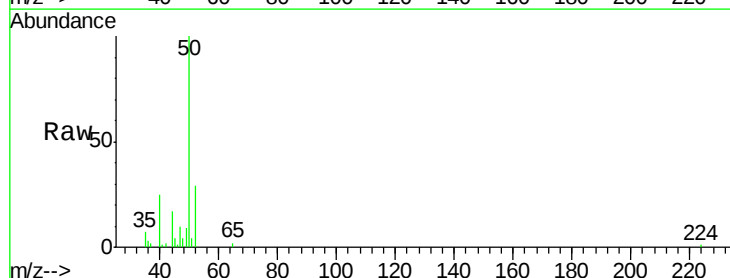
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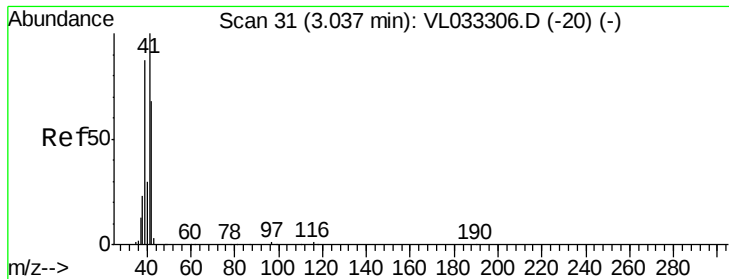
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#4
Chloromethane
Concen: 0.503 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033312.D
Acq: 14 Mar 2019 12:15

Tgt Ion: 50 Resp: 25602
Ion Ratio Lower Upper
50 100
52 29.5 25.7 38.5





#9

Propene

Concen: 0.564 ppbv

RT: 3.05 min Scan# 35

Delta R.T. 0.01 min

Lab File: VL033312.D

Acq: 14 Mar 2019 12:15

Instrument :

MSVOA_L

ClientSampleId :

DP-VPB201-AIR-UW-20190305

Tgt Ion: 41 Resp: 23937

Ion Ratio Lower Upper

41 100

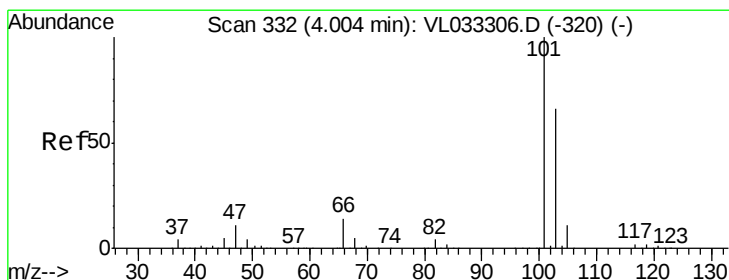
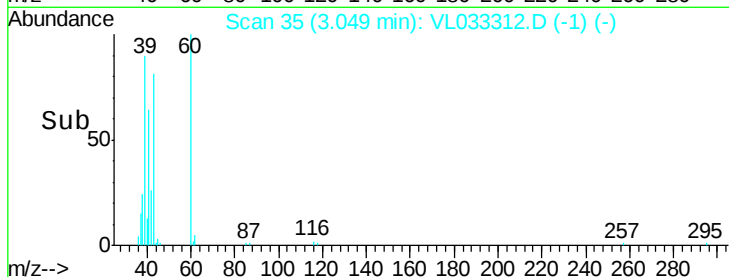
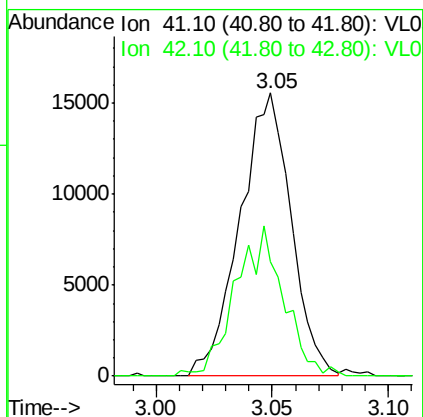
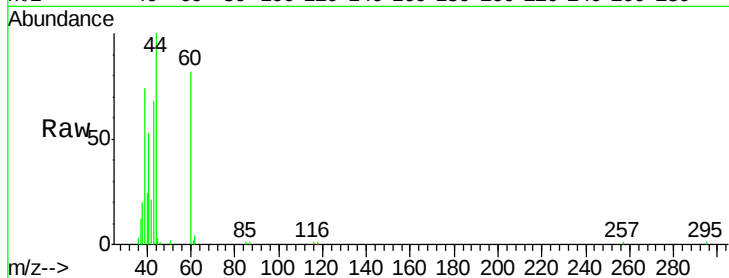
42 49.6 54.4 81.6#

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#11

Trichlorofluoromethane

Concen: 0.260 ppbv

RT: 4.00 min Scan# 331

Delta R.T. -0.00 min

Lab File: VL033312.D

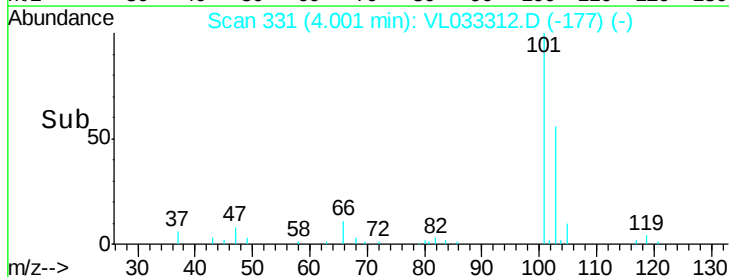
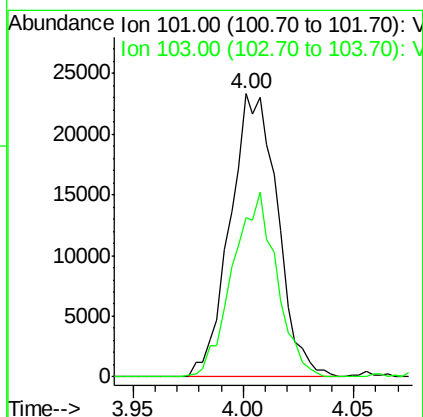
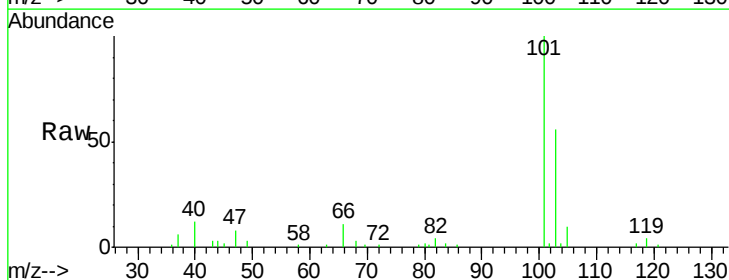
Acq: 14 Mar 2019 12:15

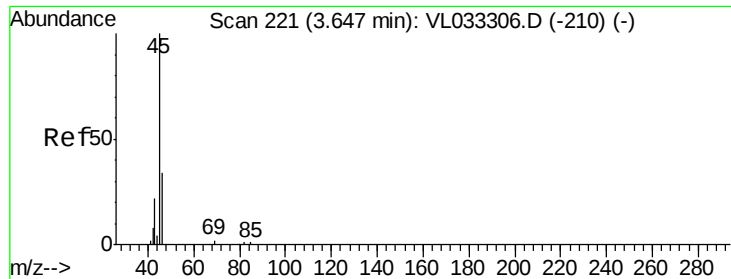
Tgt Ion: 101 Resp: 34910

Ion Ratio Lower Upper

101 100

103 56.3 52.5 78.7





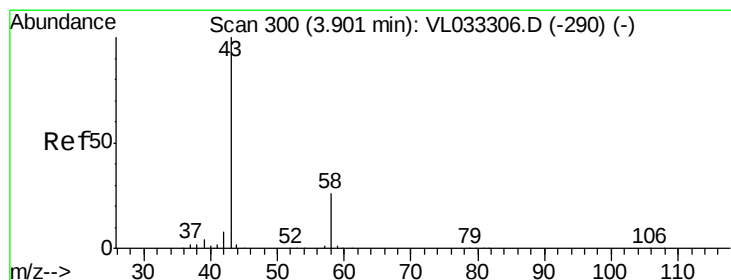
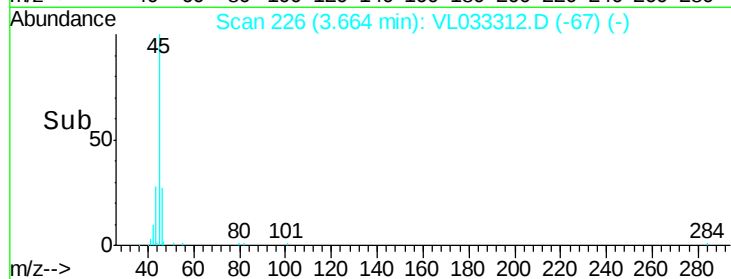
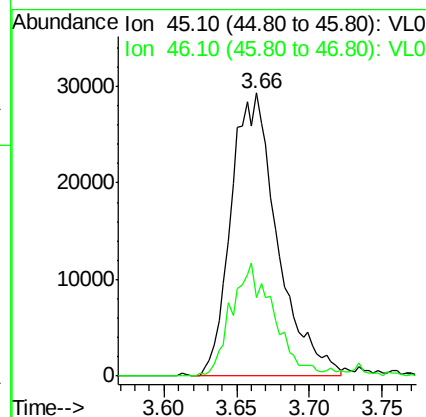
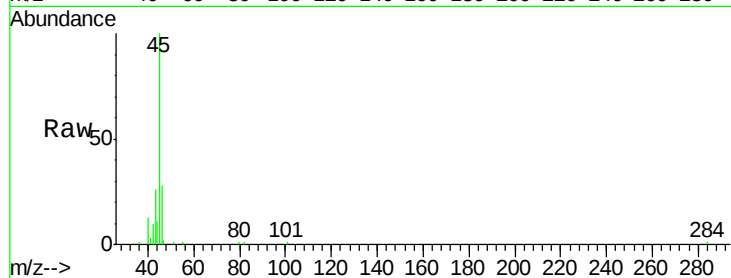
#13
Ethanol
Concen: 4.993 ppbv m
RT: 3.66 min Scan# 226
Delta R.T. 0.01 min
Lab File: VL033312.D
Acq: 14 Mar 2019 12:15

Instrument :
MSVOA_L
ClientSampleId :
DP-VPB201-AIR-UW-20190305

Tgt Ion: 45 Resp: 64863
Ion Ratio Lower Upper
45 100
46 0.0 14.9 59.5#

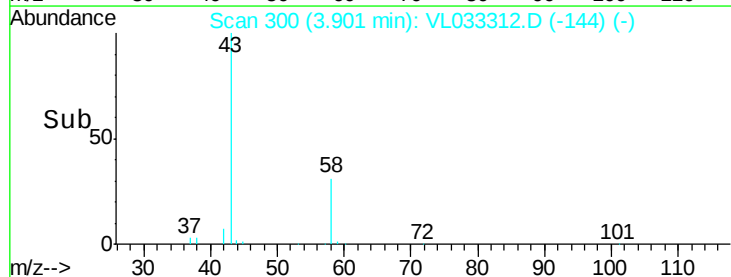
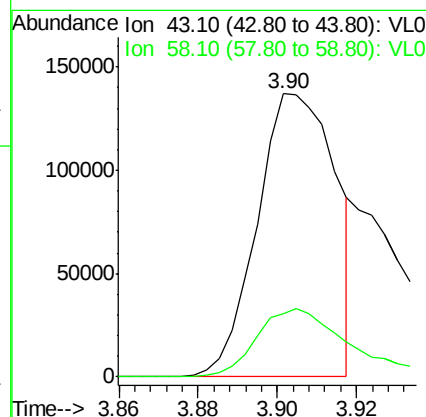
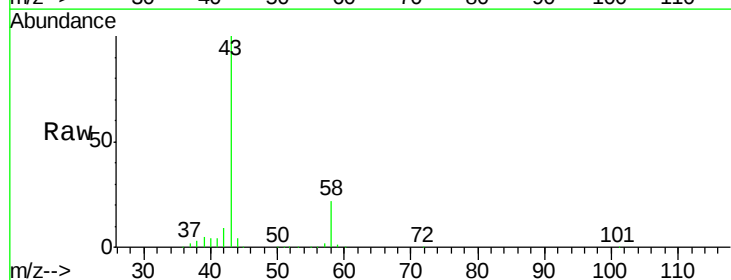
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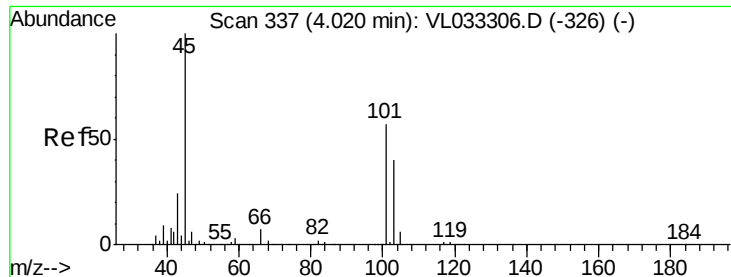
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#15
Acetone
Concen: 1.914 ppbv m
RT: 3.90 min Scan# 300
Delta R.T. -0.00 min
Lab File: VL033312.D
Acq: 14 Mar 2019 12:15

Tgt Ion: 43 Resp: 189720
Ion Ratio Lower Upper
43 100
58 28.8 20.6 31.0





#19

Isopropyl Alcohol

Concen: 0.510 ppbv m

RT: 4.04 min Scan# 343

Delta R.T. 0.02 min

Lab File: VL033312.D

Acq: 14 Mar 2019 12:15

Instrument :

MSVOA_L

ClientSampleId :

DP-VPB201-AIR-UW-20190305

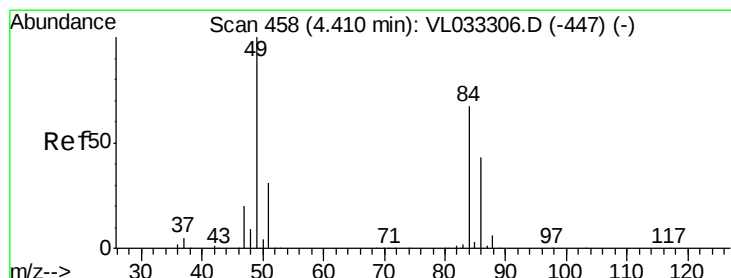
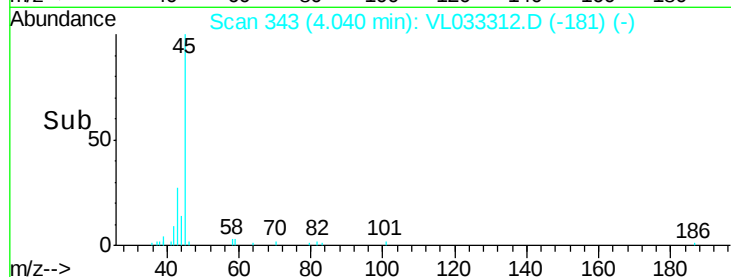
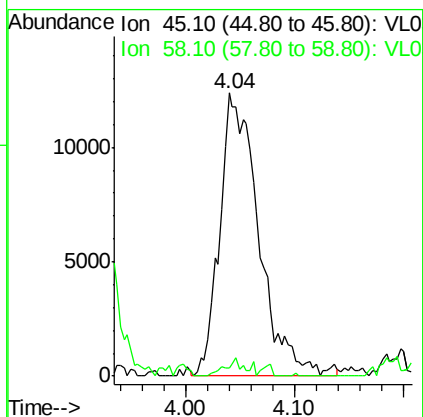
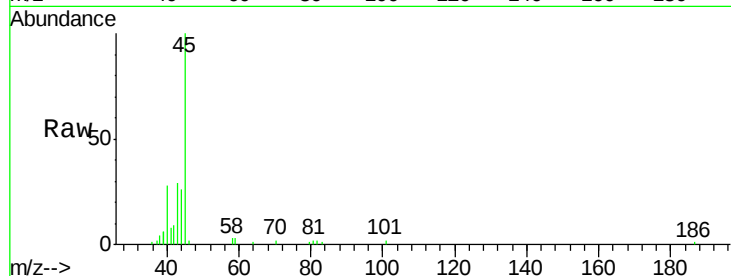
Tgt Ion: 45 Resp: 30917
Ion Ratio Lower Upper

45 100

58 0.0 1.4 2.0#

Manual Integrations
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#20

Methylene Chloride

Concen: 1.941 ppbv

RT: 4.41 min Scan# 457

Delta R.T. -0.00 min

Lab File: VL033312.D

Acq: 14 Mar 2019 12:15

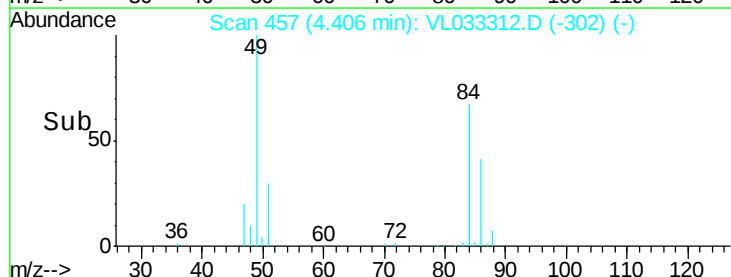
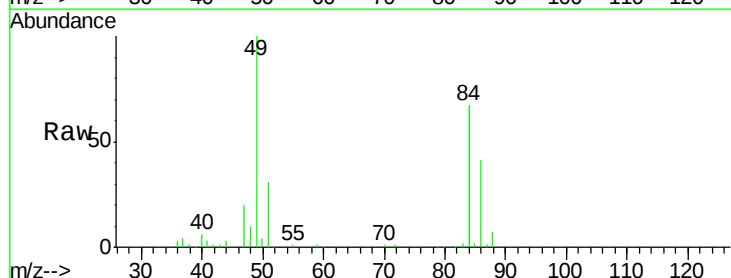
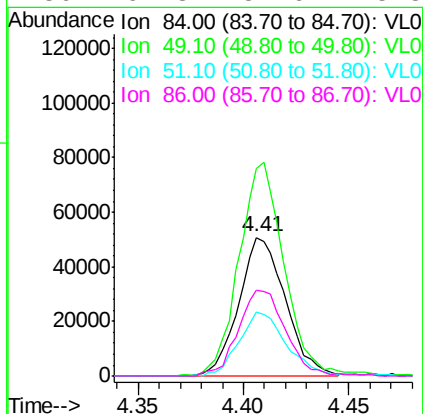
Tgt Ion: 84 Resp: 77876
Ion Ratio Lower Upper

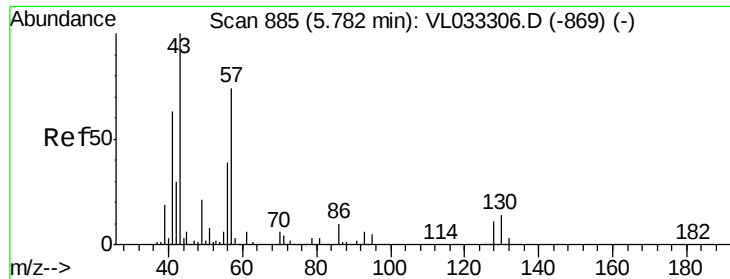
84 100

49 148.6 115.4 173.2

51 45.6 35.7 53.5

86 61.3 52.6 78.8





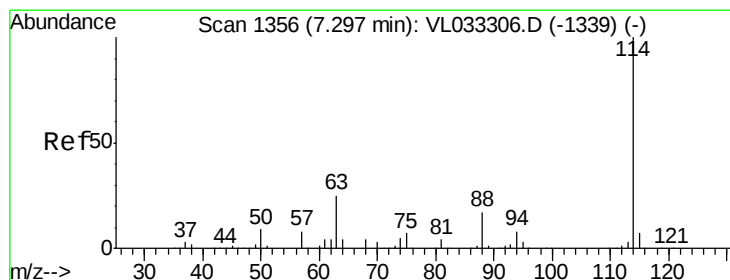
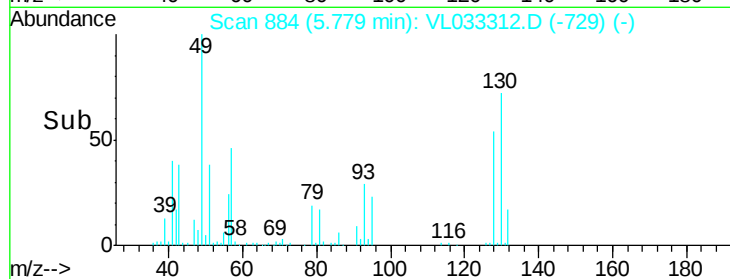
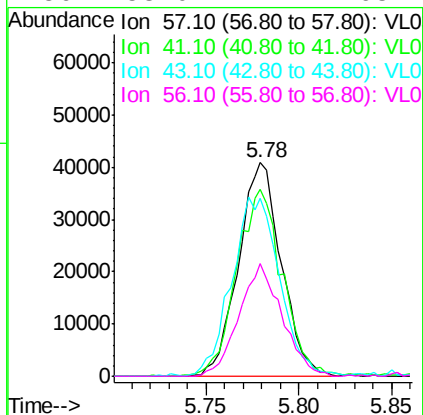
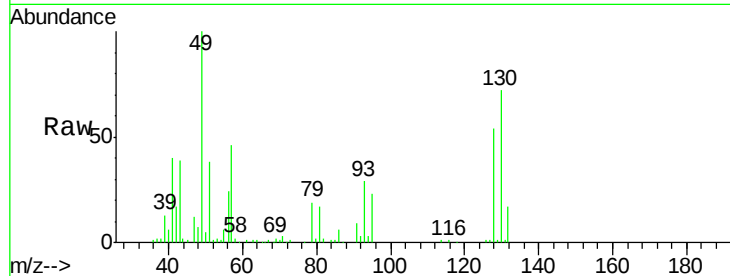
#26
Hexane
Concen: 0.774 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033312.D
Acq: 14 Mar 2019 12:15

Instrument :
MSVOA_L
ClientSampleId :
DP-VPB201-AIR-UW-20190305

Tgt Ion: 57 Resp: 65268
Ion Ratio Lower Upper
57 100
41 96.3 71.6 107.4
43 94.7 179.2 268.8#
56 53.0 42.2 63.2

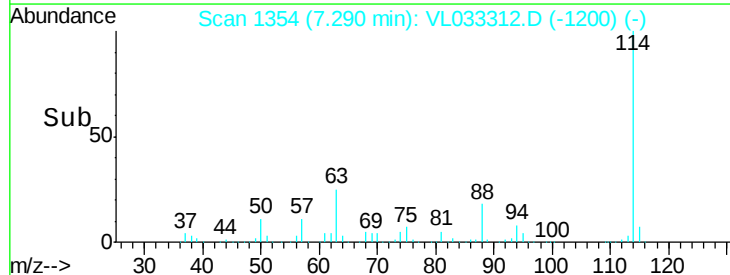
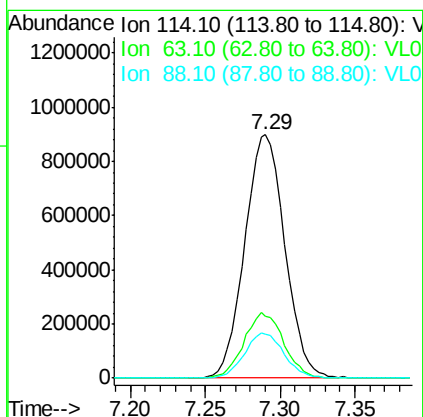
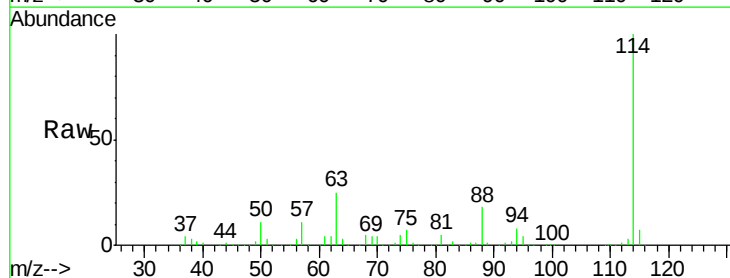
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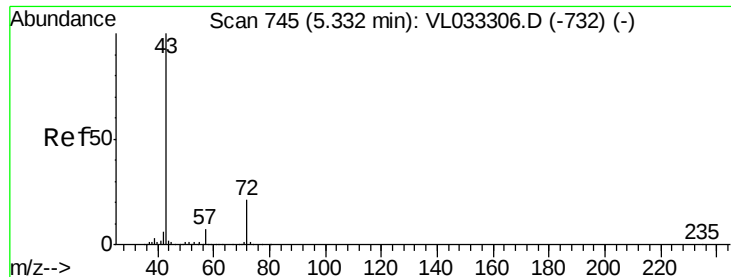
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.01 min
Lab File: VL033312.D
Acq: 14 Mar 2019 12:15

Tgt Ion: 114 Resp: 1676507
Ion Ratio Lower Upper
114 100
63 26.8 21.3 31.9
88 18.3 14.5 21.7





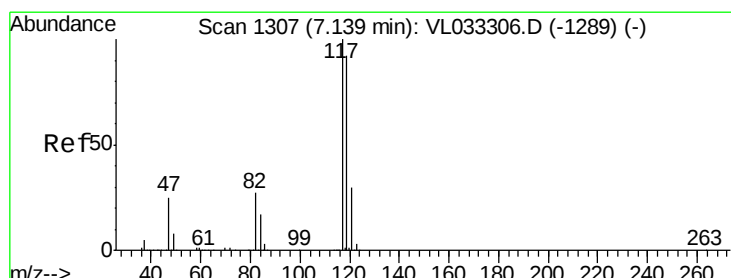
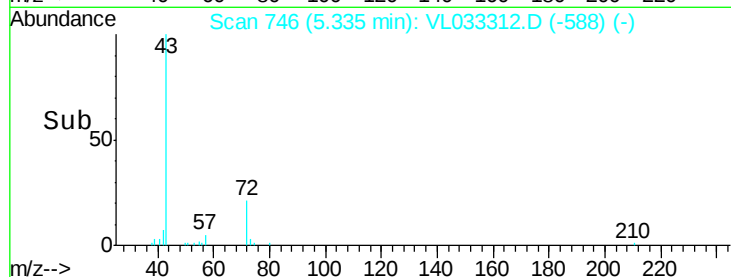
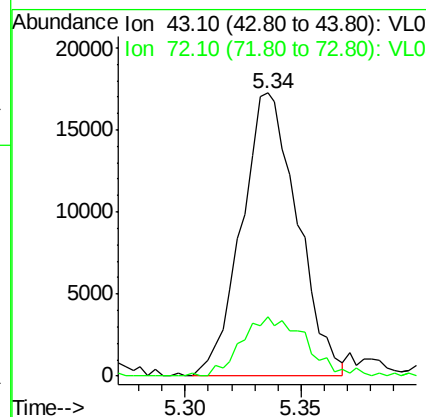
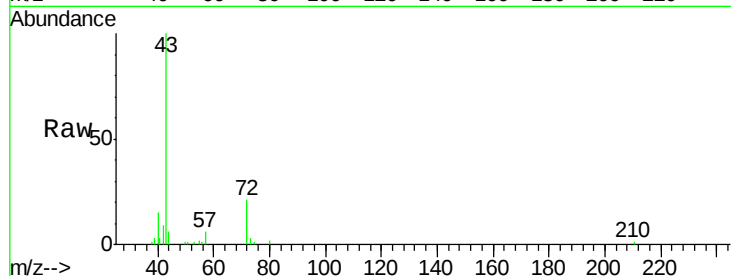
#34
2-Butanone
Concen: 0.250 ppbv
RT: 5.34 min Scan# 746
Delta R.T. 0.01 min
Lab File: VL033312.D
Acq: 14 Mar 2019 12:15

Instrument :
MSVOA_L
ClientSampleId :
DP-VPB201-AIR-UW-20190305

Tgt Ion: 43 Resp: 28921
Ion Ratio Lower Upper
43 100
72 24.4 17.2 25.8

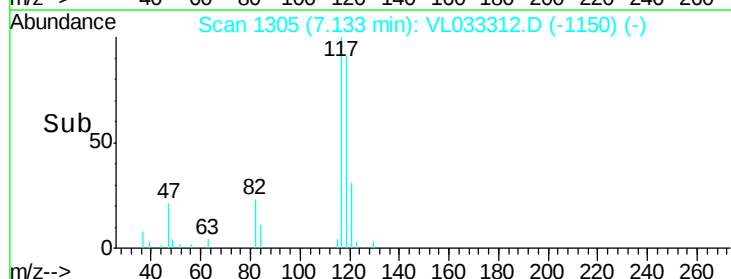
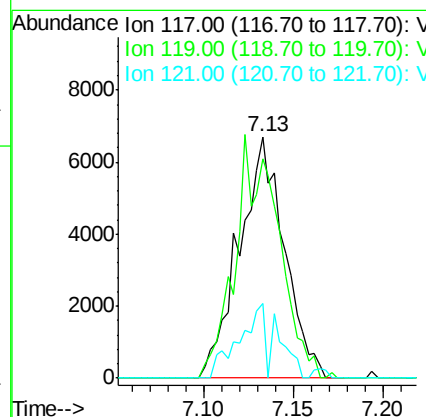
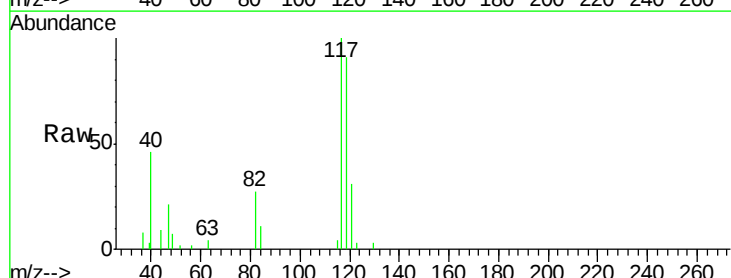
Manual Integrations
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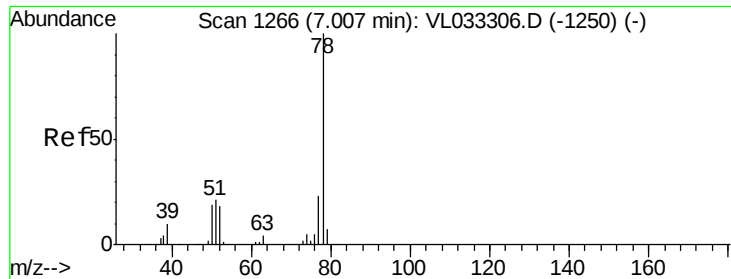
MMDadoda
3/15/2019 10:42:02 PM



#35
Carbon Tetrachloride
Concen: 0.091 ppbv m
RT: 7.13 min Scan# 1305
Delta R.T. -0.00 min
Lab File: VL033312.D
Acq: 14 Mar 2019 12:15

Tgt Ion: 117 Resp: 11711
Ion Ratio Lower Upper
117 100
119 91.0 75.9 113.9
121 30.9 25.2 37.8





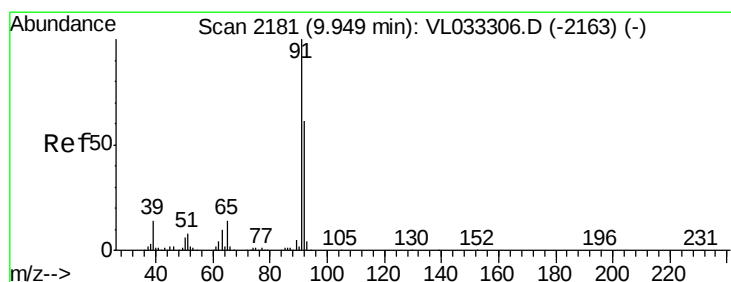
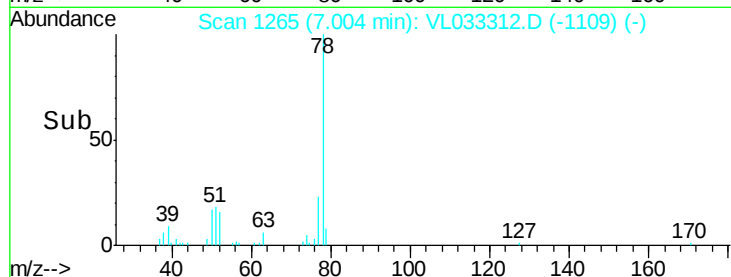
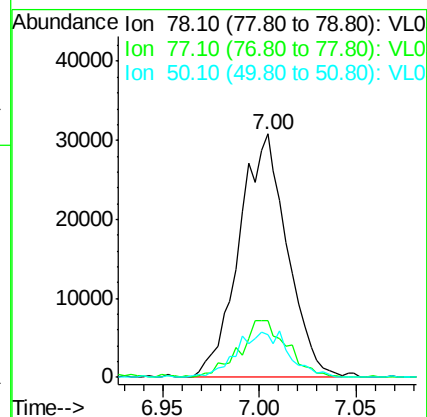
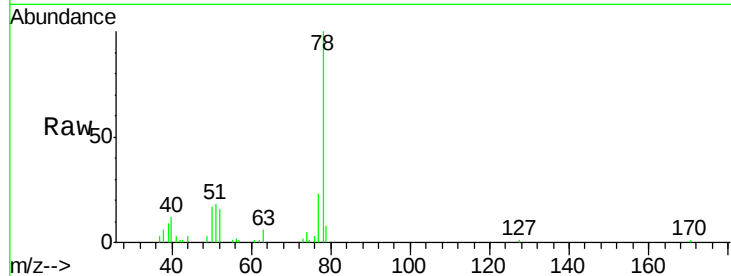
#36
Benzene
Concen: 0.324 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VL033312.D
Acq: 14 Mar 2019 12:15

Instrument :
MSVOA_L
ClientSampleId :
DP-VPB201-AIR-UW-20190305

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.6	28.0
50	17.3	15.2	22.8

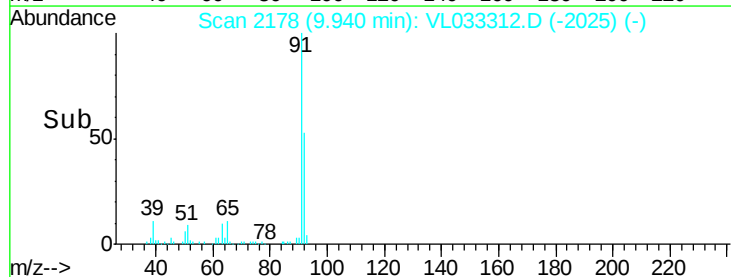
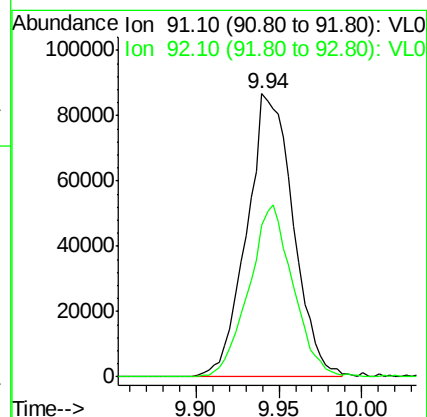
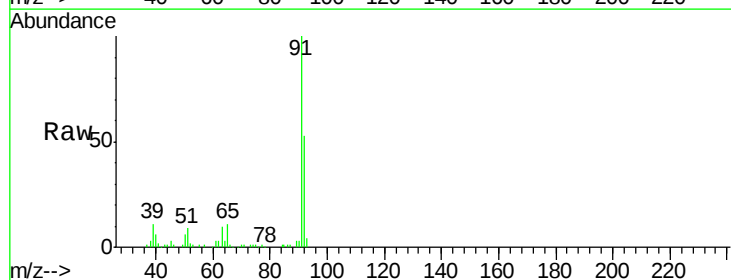
Manual Integrations
APPROVED

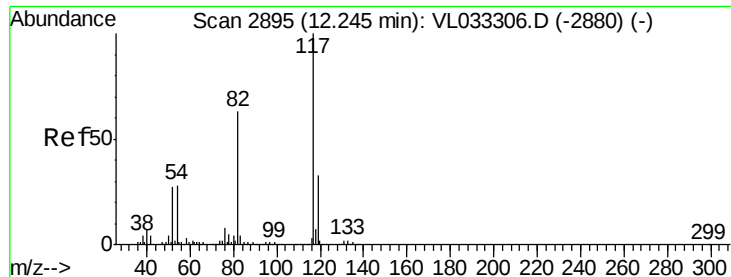
MMDadoda
3/15/2019 10:42:02 PM



#53
Toluene
Concen: 0.895 ppbv
RT: 9.94 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL033312.D
Acq: 14 Mar 2019 12:15

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.9	47.4	71.2





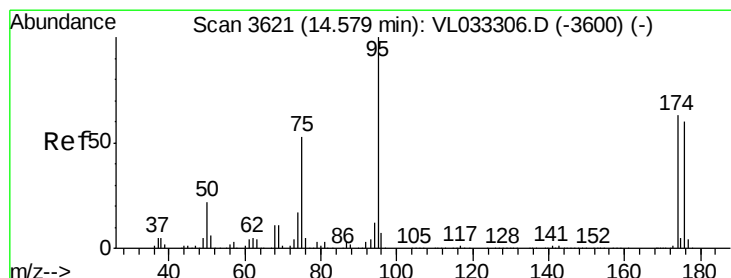
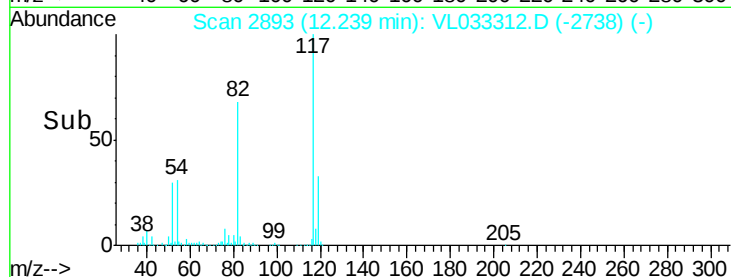
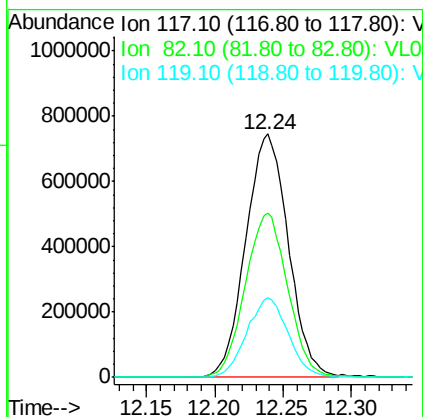
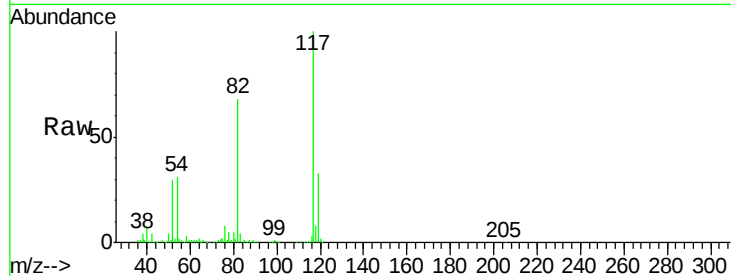
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL033312.D
Acq: 14 Mar 2019 12:15

Instrument :
MSVOA_L
ClientSampleId :
DP-VPB201-AIR-UW-20190305

Tgt Ion: 117 Resp: 1616234
Ion Ratio Lower Upper
117 100
82 67.6 51.3 76.9
119 32.0 27.0 40.4

Manual Integrations
APPROVED

MMDadoda
3/15/2019 10:42:02 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.295 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL033312.D
Acq: 14 Mar 2019 12:15

Tgt Ion: 95 Resp: 1270748
Ion Ratio Lower Upper
95 100
174 64.9 51.9 77.9
175 4.7 3.9 5.9

