

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031319\
 Data File : VL033313.D
 Acq On : 14 Mar 2019 12:56
 Operator : SY/AP
 Sample : K1758-01DUP
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 10:42:04 PM

Quant Time: Mar 15 15:54:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031319AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 15 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	711001	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1644171	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1593870	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1267034	10.41	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	60979	0.464	ppbv	100
3) Chlorodifluoromethane	3.02	51	30381m	0.328	ppbv	
4) Chloromethane	3.17	50	23784	0.474	ppbv #	87
9) Propene	3.05	41	23032	0.550	ppbv #	78
11) Trichlorofluoromethane	4.01	101	34557	0.261	ppbv	85
13) Ethanol	3.66	45	65060m	5.078	ppbv	
15) Acetone	3.90	43	185087m	1.893	ppbv	
19) Isopropyl Alcohol	4.05	45	30287m	0.506	ppbv	
20) Methylene Chloride	4.41	84	82010	2.072	ppbv	92
26) Hexane	5.78	57	62533	0.752	ppbv #	48
34) 2-Butanone	5.34	43	29503	0.260	ppbv	99
35) Carbon Tetrachloride	7.14	117	10170	0.080	ppbv #	74
36) Benzene	7.00	78	50492m	0.313	ppbv	
53) Toluene	9.95	91	159627	0.863	ppbv	99

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

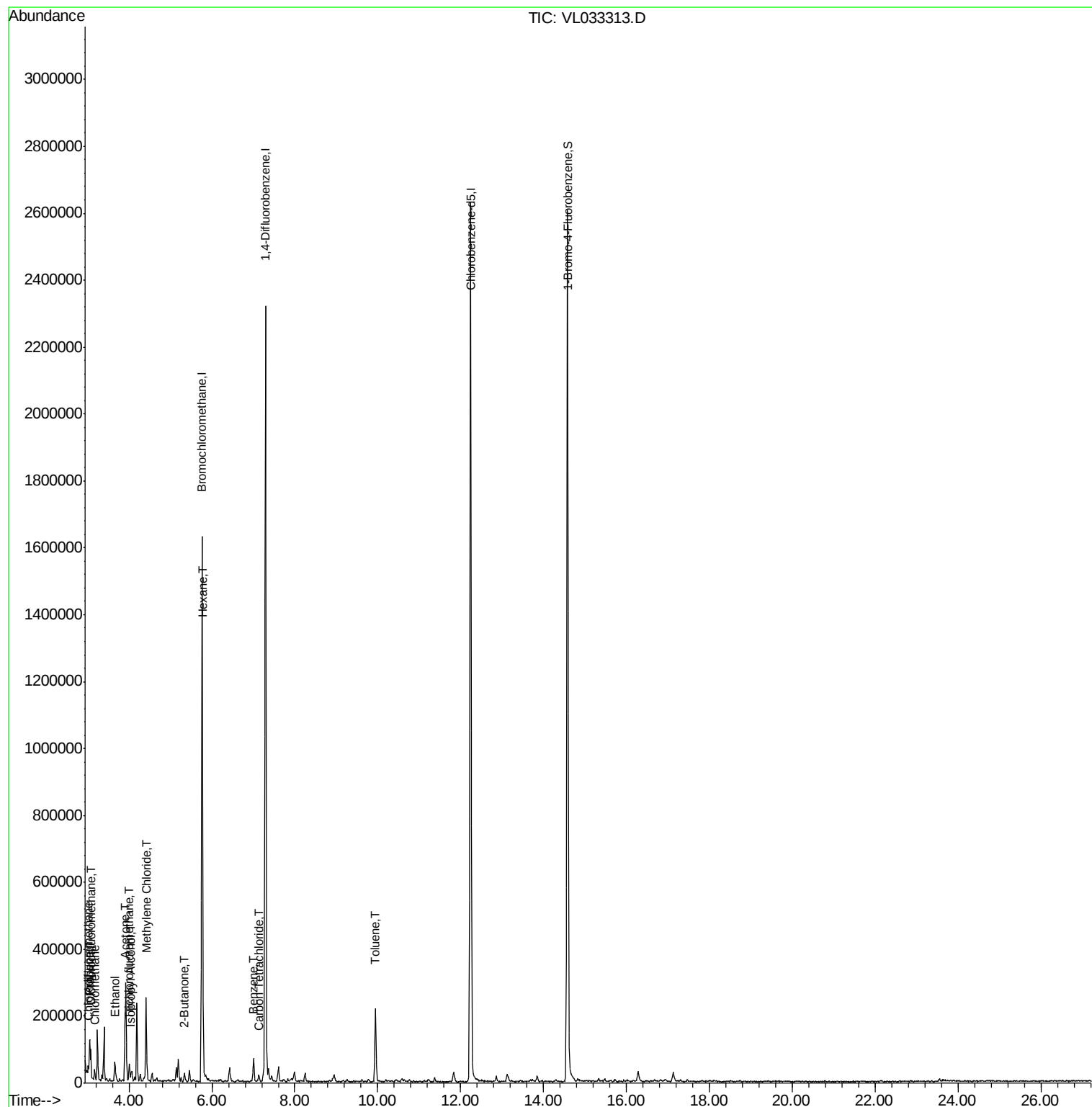
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL031319\
Data File : VL033313.D
Acq On : 14 Mar 2019 12:56
Operator : SY/AP
Sample : K1758-01DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

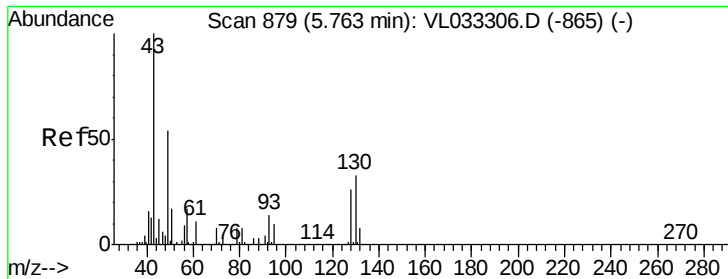
Instrument :
MSVOA_L
ClientSampleId :
DP-VPB201-AIR-UW-20190305DUP

Manual Integrations
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3/15/2019 10:42:04 PM

Quant Time: Mar 15 15:54:26 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL031319AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar
QLast Update : Thu Mar 14 00:01:31 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033313.D

Acq: 14 Mar 2019 12:56

Instrument :

MSVOA_L

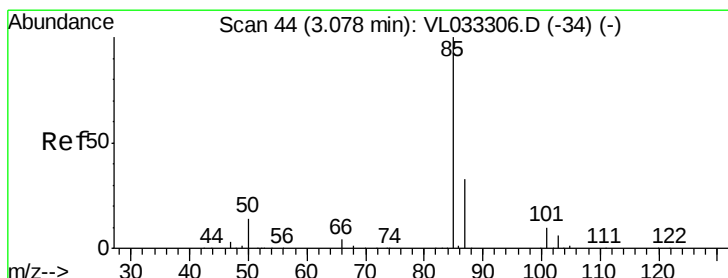
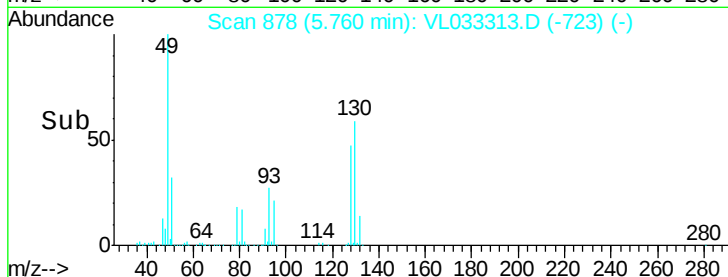
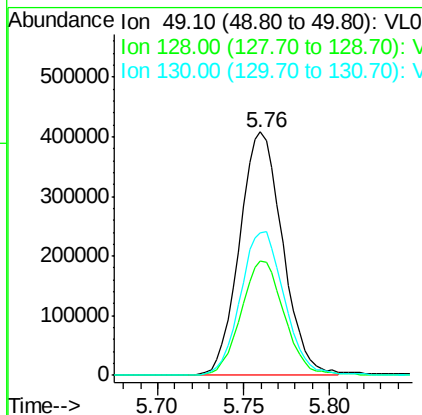
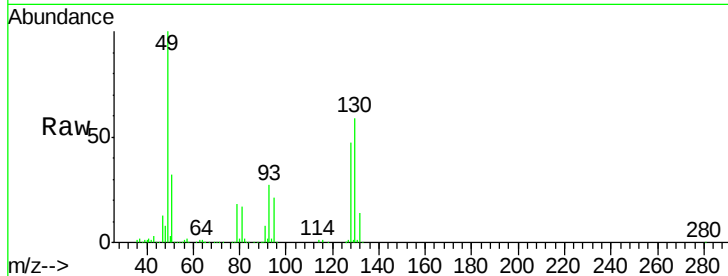
ClientSampleId :

DP-VPB201-AIR-UW-20190305DUP

Tgt Ion:	49	Resp:	711001
Ion	Ratio	Lower	Upper
49	100		
128	47.4	23.4	70.3
130	60.6	29.9	89.7

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#2

Dichlorodifluoromethane

Concen: 0.464 ppbv

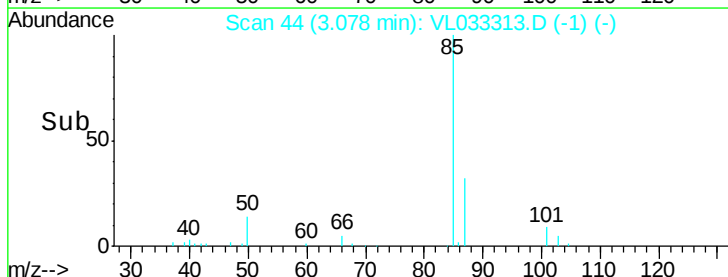
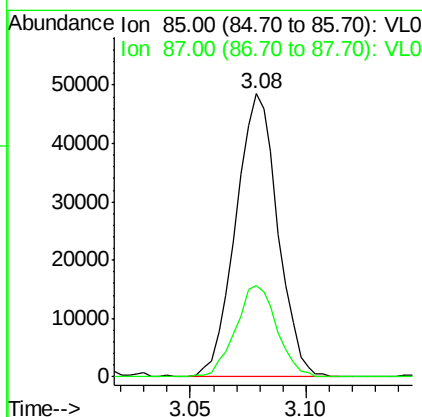
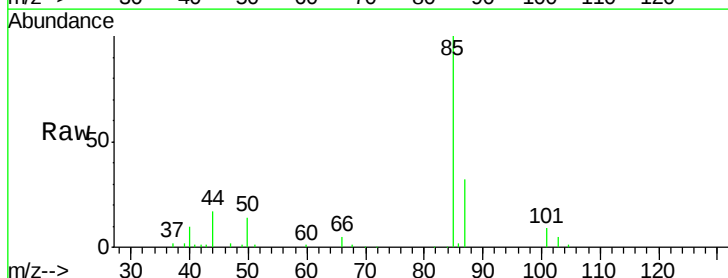
RT: 3.08 min Scan# 44

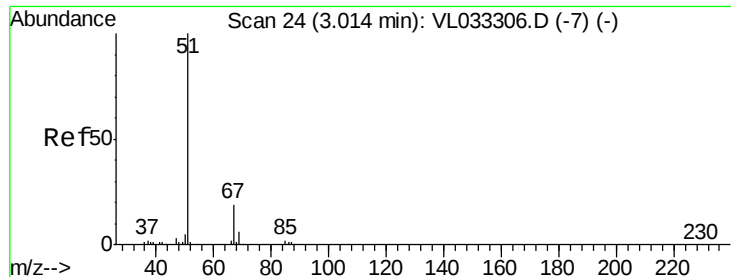
Delta R.T. 0.00 min

Lab File: VL033313.D

Acq: 14 Mar 2019 12:56

Tgt Ion:	85	Resp:	60979
Ion	Ratio	Lower	Upper
85	100		
87	32.4	25.8	38.8





#3

Chlorodifluoromethane

Concen: 0.328 ppbv

RT: 3.02 min Scan# 26

Delta R.T. 0.01 min

Lab File: VL033313.D

Acq: 14 Mar 2019 12:56

Instrument :

MSVOA_L

ClientSampleId :

DP-VPB201-AIR-UW-20190305DUP

Tgt Ion: 51 Resp: 30381

Ion Ratio Lower Upper

51 100

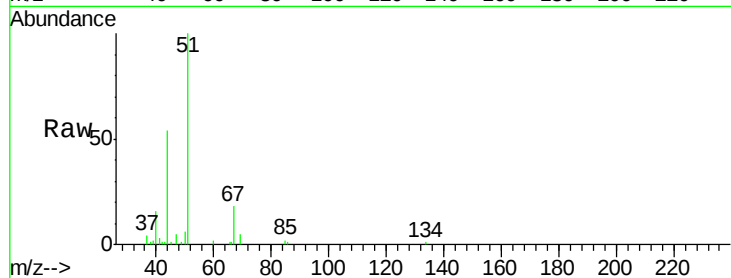
67 20.3 14.9 22.3

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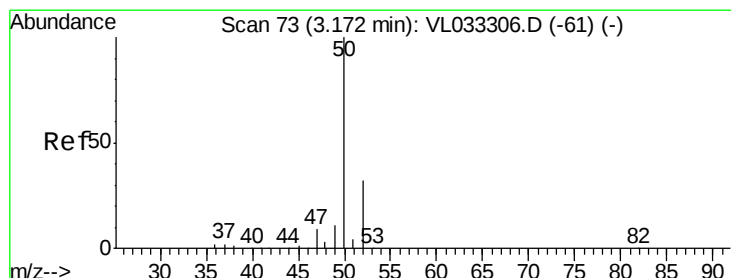
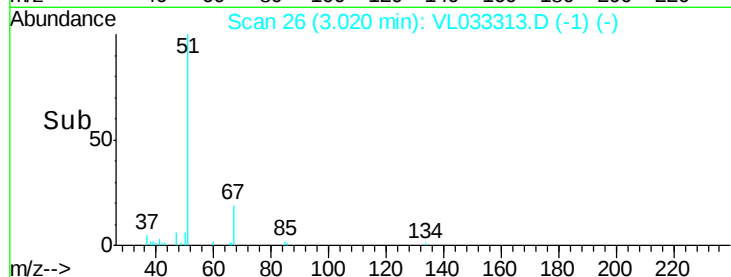
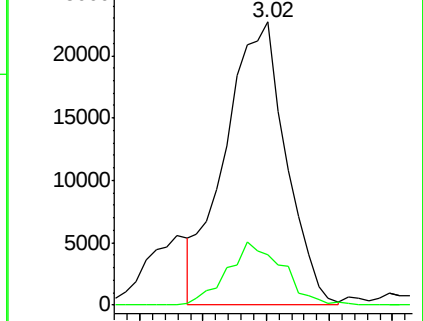
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.474 ppbv

RT: 3.17 min Scan# 73

Delta R.T. 0.00 min

Lab File: VL033313.D

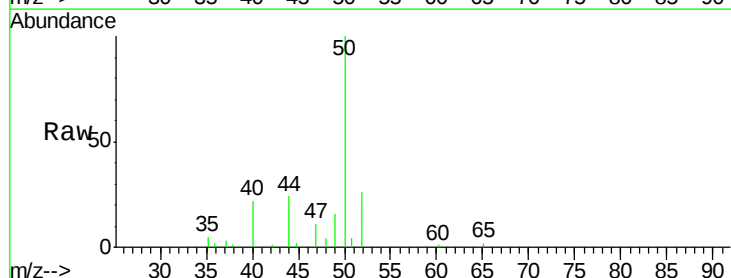
Acq: 14 Mar 2019 12:56

Tgt Ion: 50 Resp: 23784

Ion Ratio Lower Upper

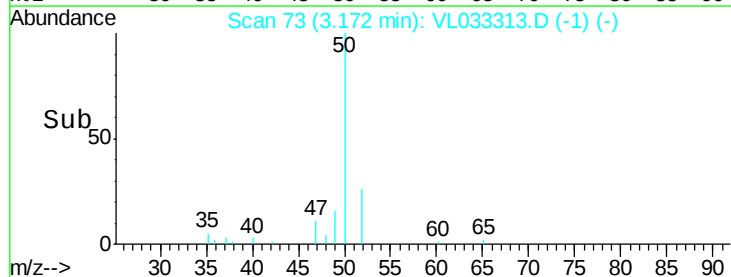
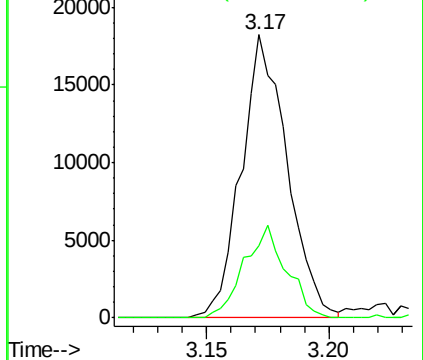
50 100

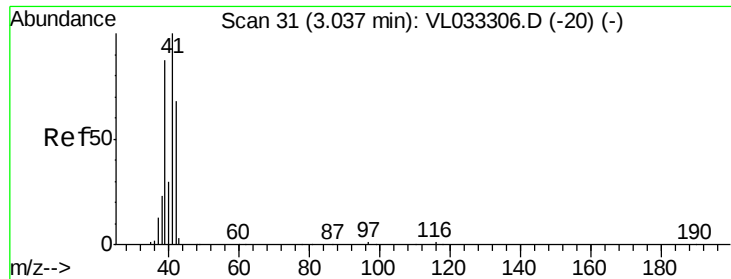
52 24.6 25.7 38.5#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.550 ppbv

RT: 3.05 min Scan# 35

Delta R.T. 0.01 min

Lab File: VL033313.D

Acq: 14 Mar 2019 12:56

Instrument :

MSVOA_L

ClientSampleId :

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Tgt Ion: 41 Resp: 23032

Ion Ratio Lower Upper

41 100

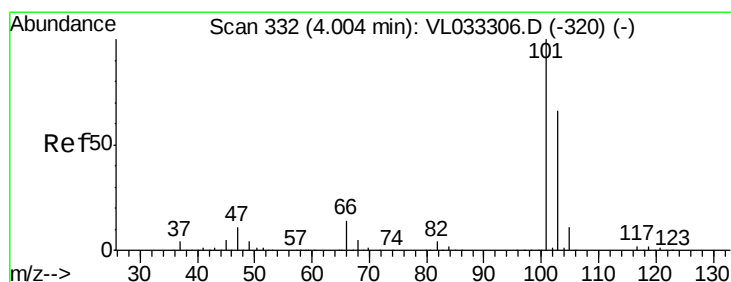
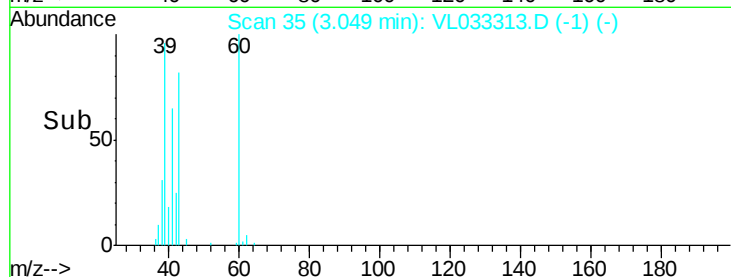
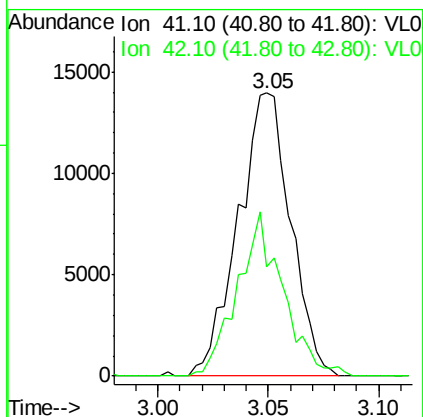
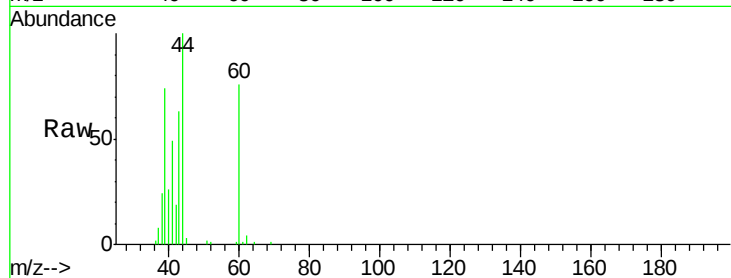
42 50.1 54.4 81.6#

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#11

Trichlorofluoromethane

Concen: 0.261 ppbv

RT: 4.01 min Scan# 334

Delta R.T. 0.01 min

Lab File: VL033313.D

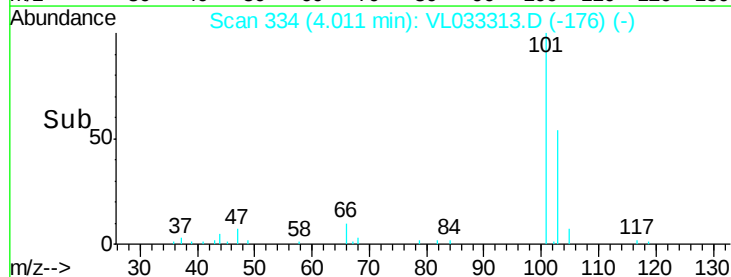
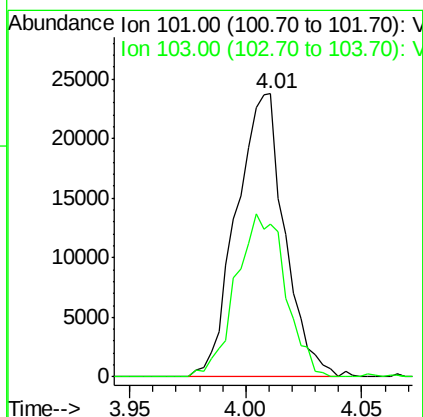
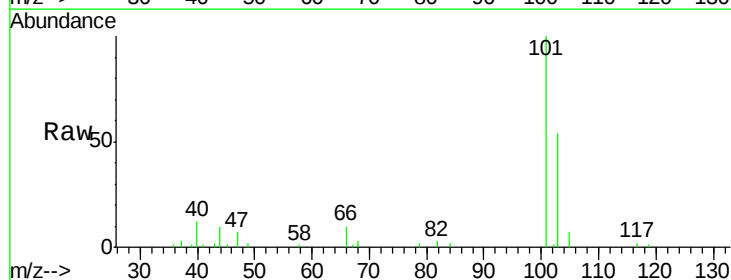
Acq: 14 Mar 2019 12:56

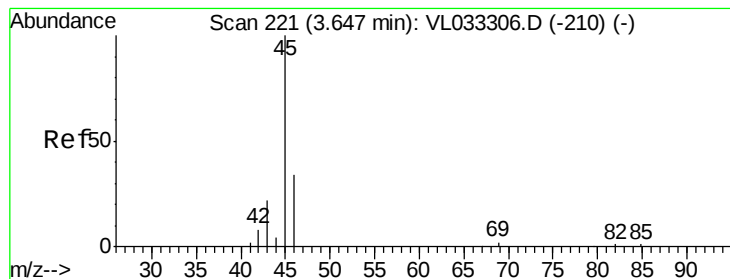
Tgt Ion: 101 Resp: 34557

Ion Ratio Lower Upper

101 100

103 53.8 52.5 78.7





#13

Ethanol

Concen: 5.078 ppbv m

RT: 3.66 min Scan# 225

Delta R.T. 0.01 min

Lab File: VL033313.D

Acq: 14 Mar 2019 12:56

Instrument :

MSVOA_L

ClientSampleId :

DP-VPB201-AIR-UW-20190305DUP

Tgt Ion: 45 Resp: 65060

Ion Ratio Lower Upper

45 100

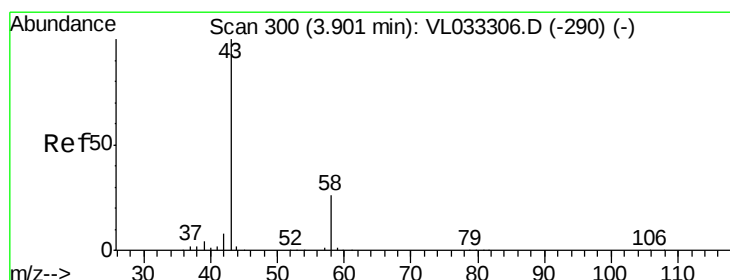
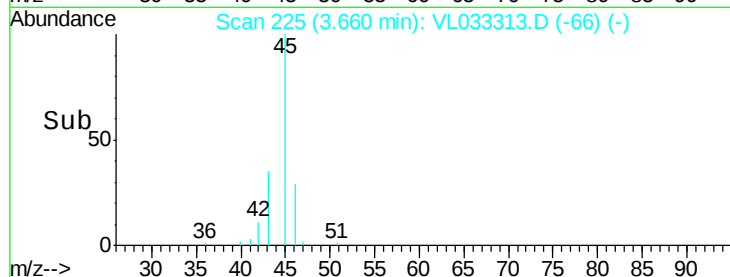
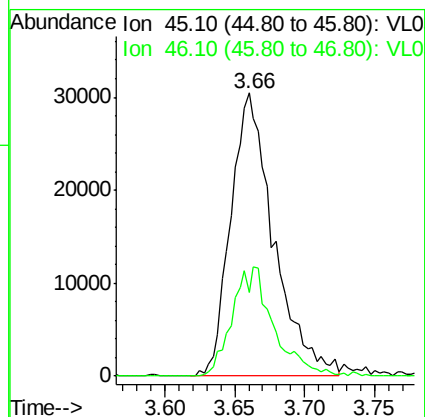
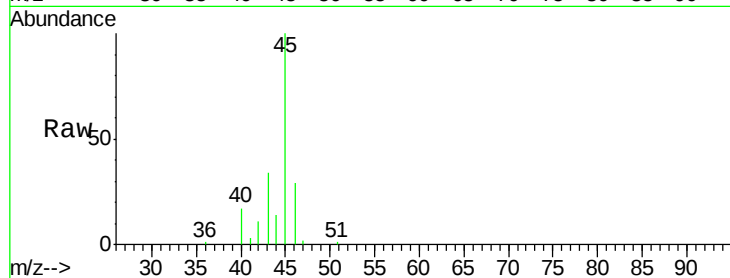
46 37.1 14.9 59.5

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#15

Acetone

Concen: 1.893 ppbv m

RT: 3.90 min Scan# 301

Delta R.T. 0.00 min

Lab File: VL033313.D

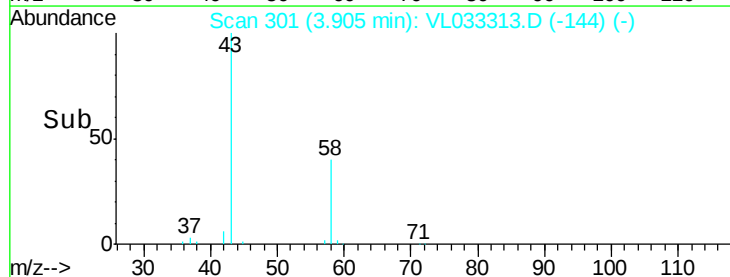
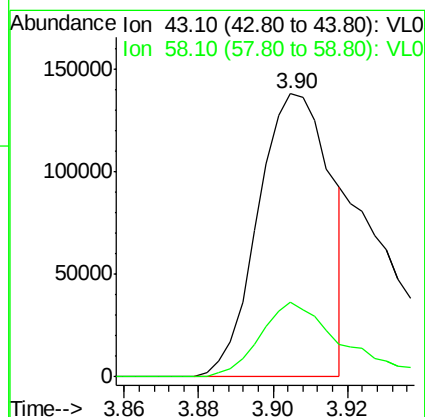
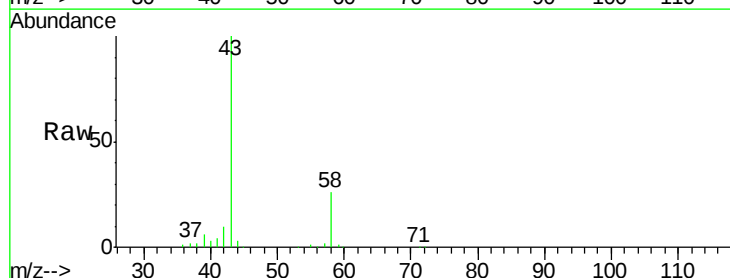
Acq: 14 Mar 2019 12:56

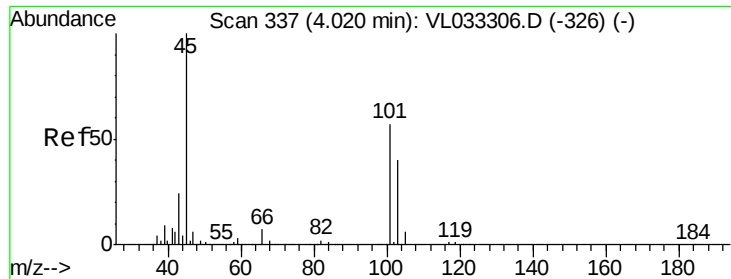
Tgt Ion: 43 Resp: 185087

Ion Ratio Lower Upper

43 100

58 30.5 20.6 31.0





#19

Isopropyl Alcohol

Concen: 0.506 ppbv m

RT: 4.05 min Scan# 347

Delta R.T. 0.03 min

Lab File: VL033313.D

Acq: 14 Mar 2019 12:56

Instrument :

MSVOA_L

ClientSampleId :

DP-VPB201-AIR-UW-20190305DUP

Tgt Ion: 45 Resp: 30287

Ion Ratio Lower Upper

45 100

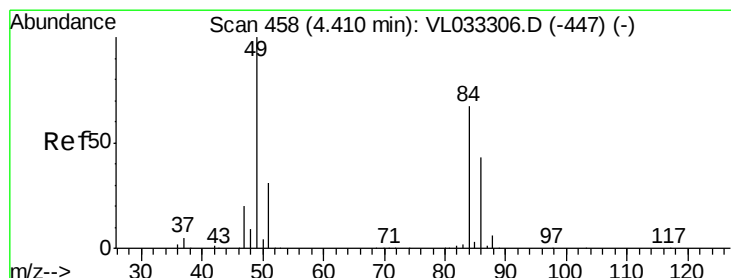
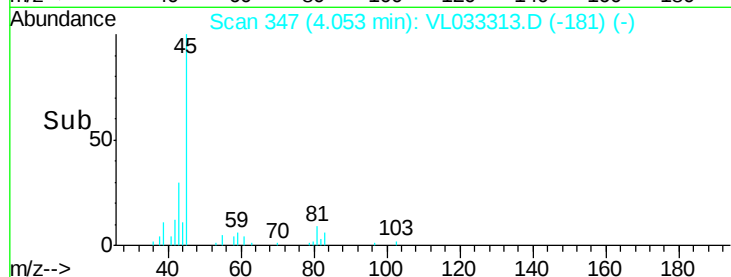
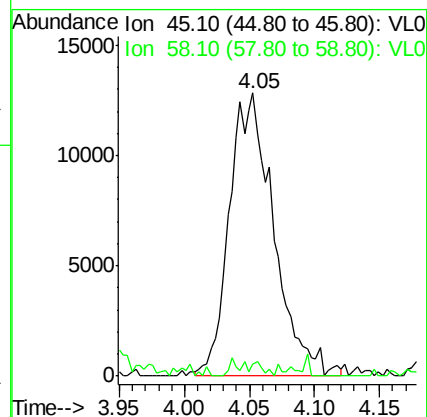
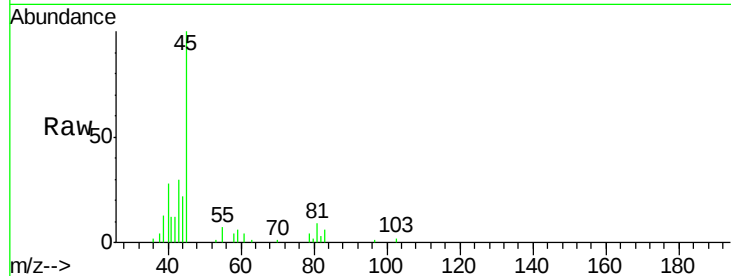
58 0.0 1.4 2.0#

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#20

Methylene Chloride

Concen: 2.072 ppbv

RT: 4.41 min Scan# 459

Delta R.T. 0.00 min

Lab File: VL033313.D

Acq: 14 Mar 2019 12:56

Tgt Ion: 84 Resp: 82010

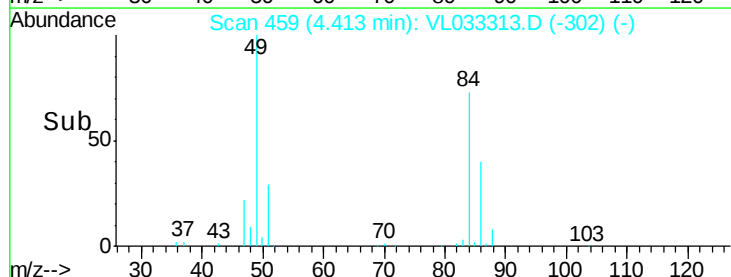
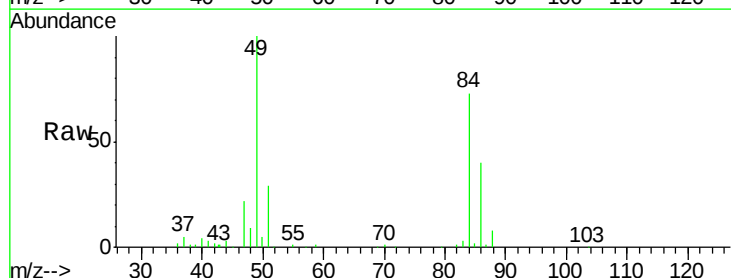
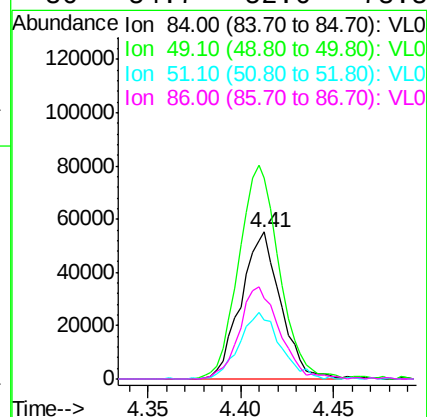
Ion Ratio Lower Upper

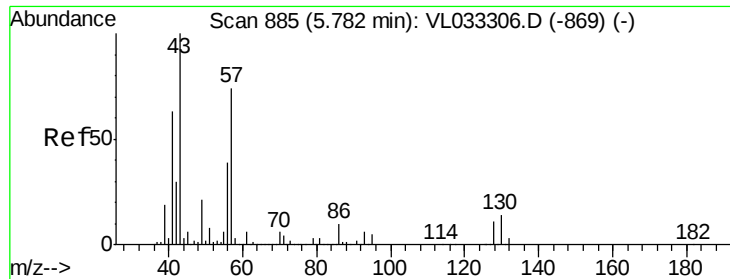
84 100

49 136.9 115.4 173.2

51 40.5 35.7 53.5

86 54.7 52.6 78.8





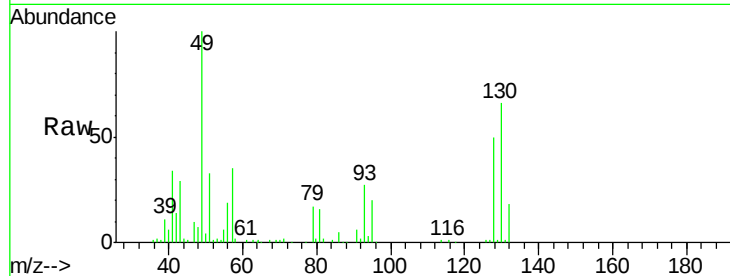
#26
Hexane
Concen: 0.752 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL033313.D
Acq: 14 Mar 2019 12:56

Instrument :
MSVOA_L
ClientSampleId :
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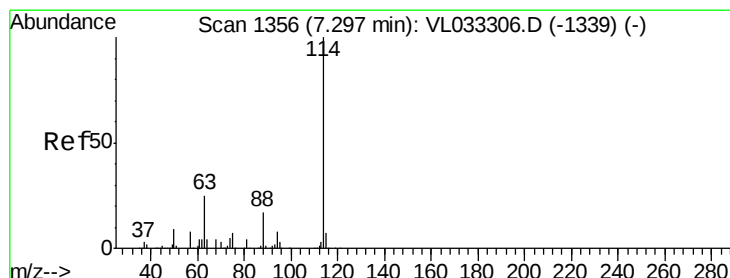
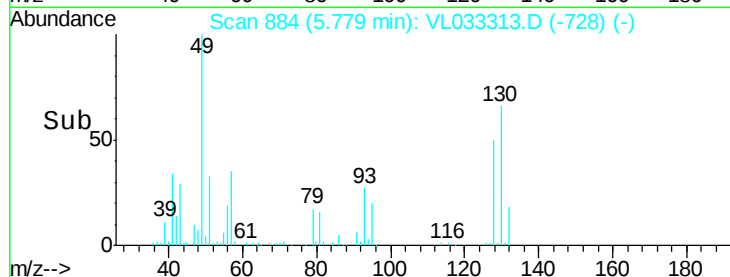
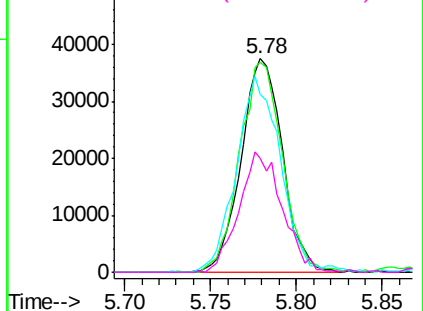
Tgt Ion: 57 Resp: 62533
Ion Ratio Lower Upper
57 100
41 102.1 71.6 107.4
43 98.2 179.2 268.8#
56 58.6 42.2 63.2

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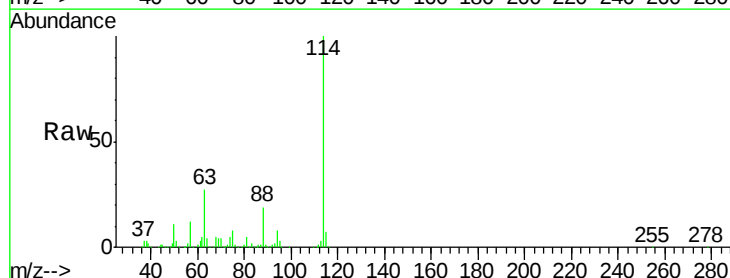


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

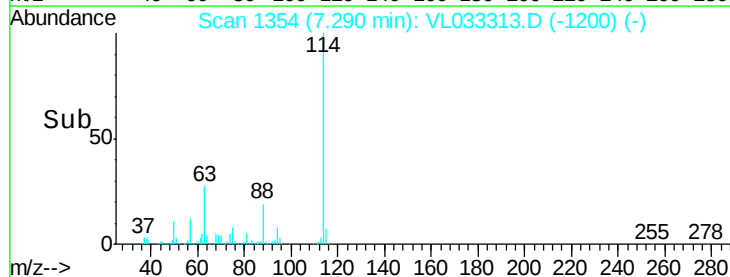
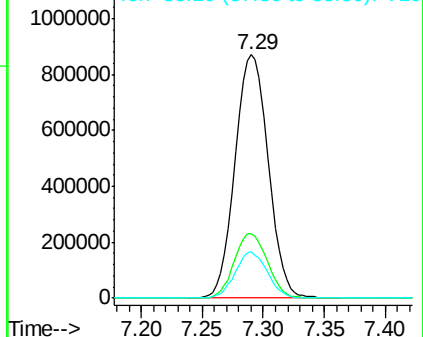


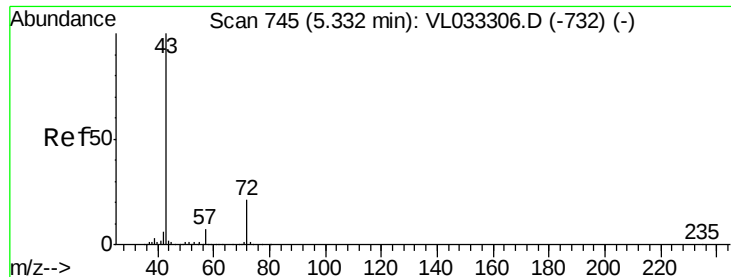
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.01 min
Lab File: VL033313.D
Acq: 14 Mar 2019 12:56

Tgt Ion: 114 Resp: 1644171
Ion Ratio Lower Upper
114 100
63 26.6 21.3 31.9
88 18.4 14.5 21.7



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





#34

2-Butanone

Concen: 0.260 ppbv

RT: 5.34 min Scan# 746

Delta R.T. 0.01 min

Lab File: VL033313.D

Acq: 14 Mar 2019 12:56

Instrument :

MSVOA_L

ClientSampleId :

DP-VPB201-AIR-UW-20190305DUP

Tgt Ion: 43 Resp: 29503

Ion Ratio Lower Upper

43 100

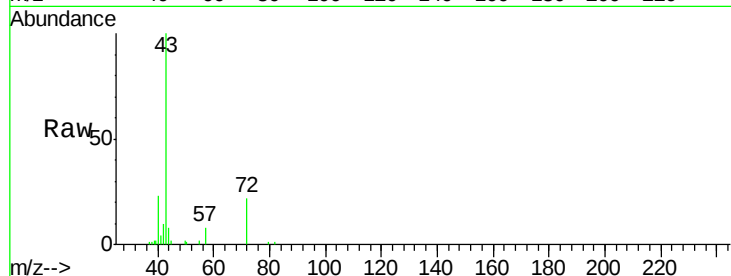
72 20.8 17.2 25.8

Manual Integrations

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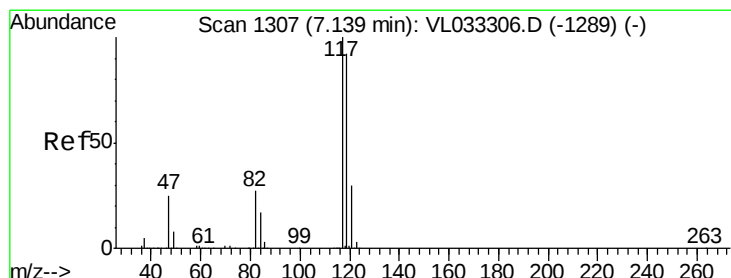
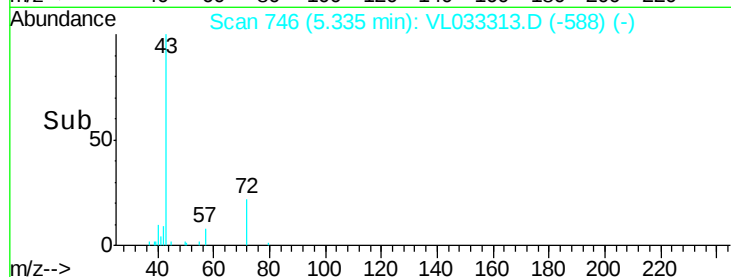
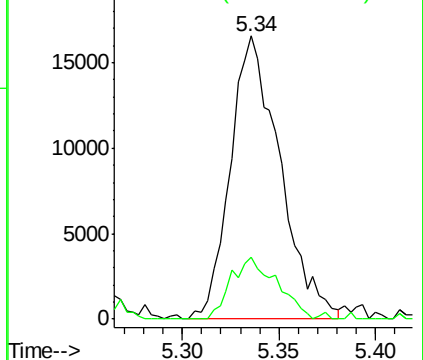
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0



#35

Carbon Tetrachloride

Concen: 0.080 ppbv

RT: 7.14 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VL033313.D

Acq: 14 Mar 2019 12:56

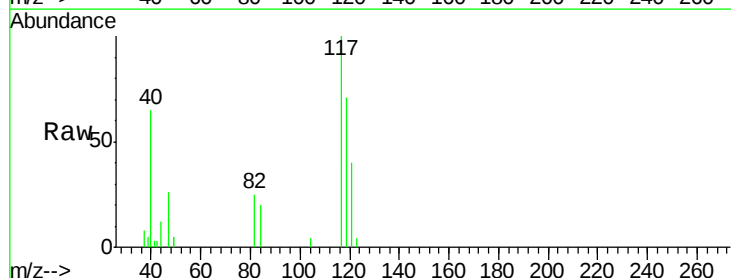
Tgt Ion: 117 Resp: 10170

Ion Ratio Lower Upper

117 100

119 65.9 75.9 113.9#

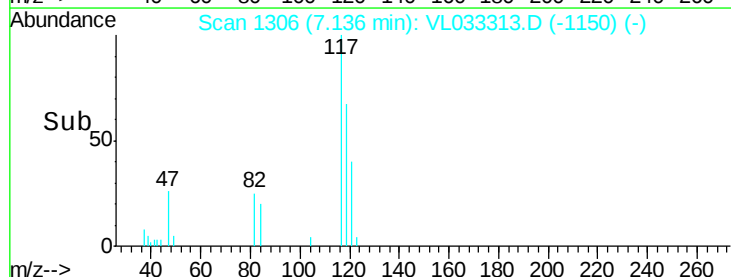
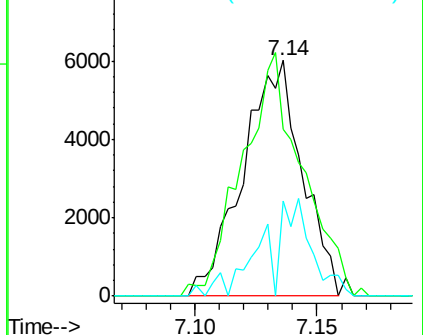
121 40.2 25.2 37.8#

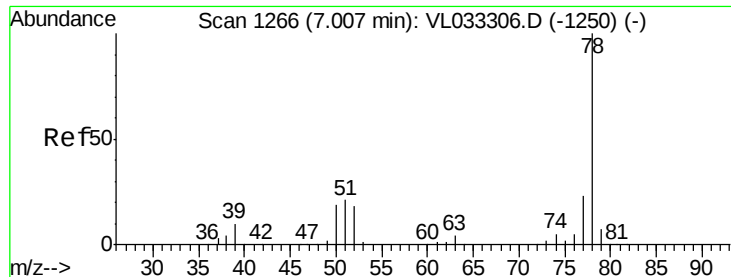


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





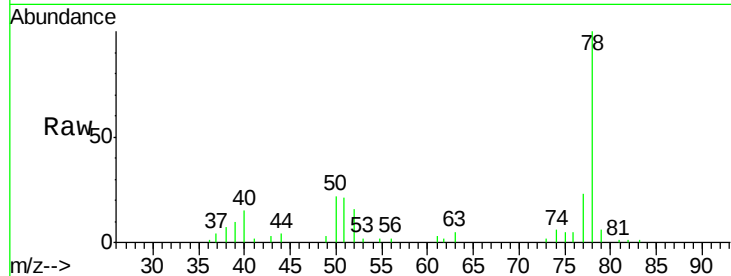
#36
Benzene
Concen: 0.313 ppbv m
RT: 7.00 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VL033313.D
Acq: 14 Mar 2019 12:56

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

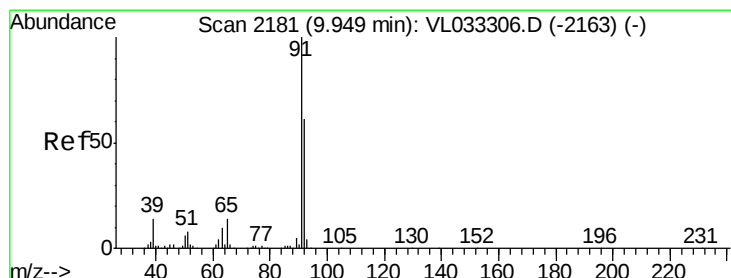
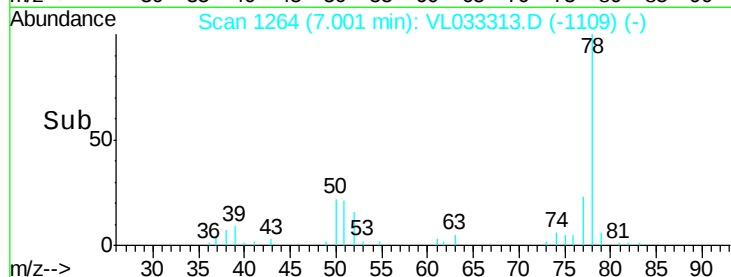
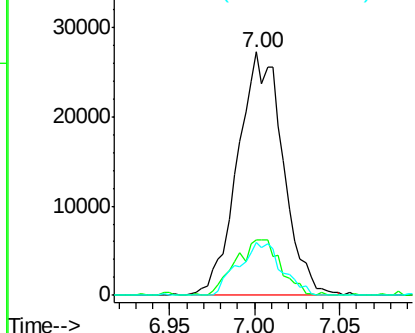
Tgt Ion: 78 Resp: 50492
Ion Ratio Lower Upper
78 100
77 22.6 18.6 28.0
50 22.0 15.2 22.8

Manual Integrations
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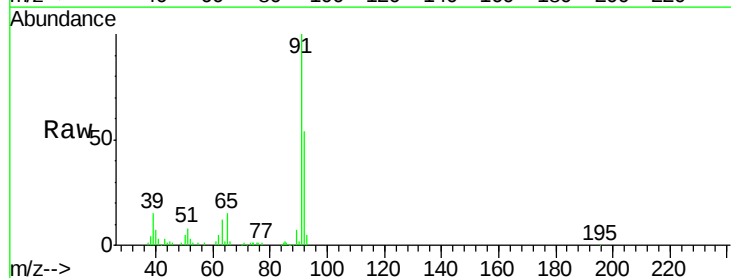


Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0

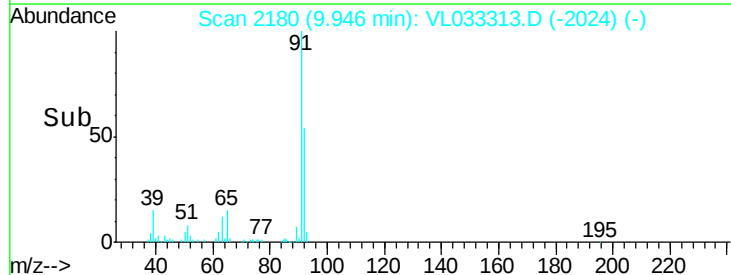
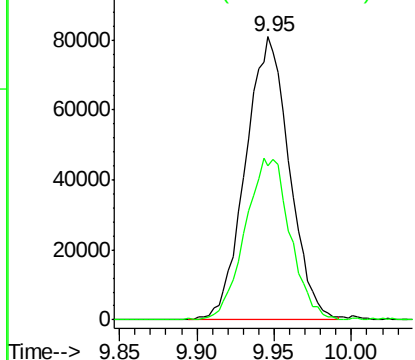


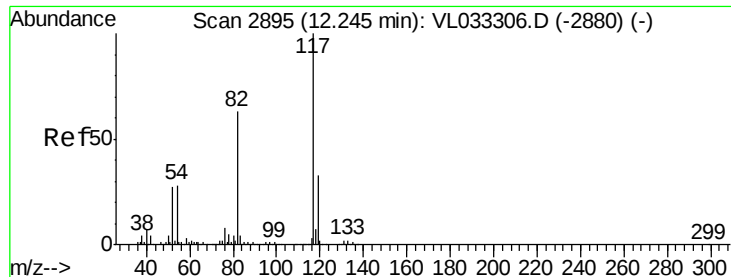
#53
Toluene
Concen: 0.863 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. 0.00 min
Lab File: VL033313.D
Acq: 14 Mar 2019 12:56

Tgt Ion: 91 Resp: 159627
Ion Ratio Lower Upper
91 100
92 58.9 47.4 71.2



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0





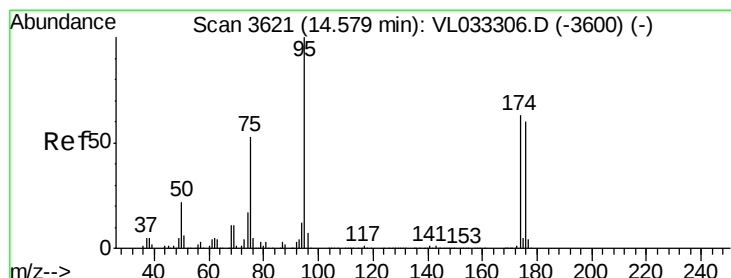
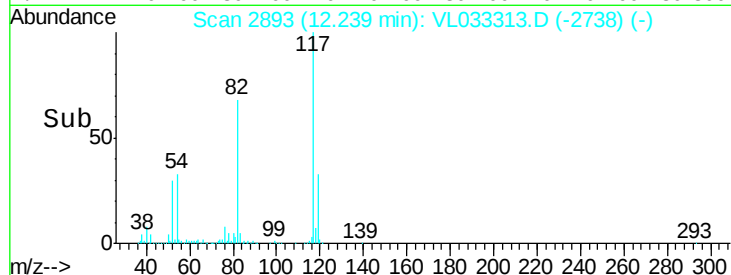
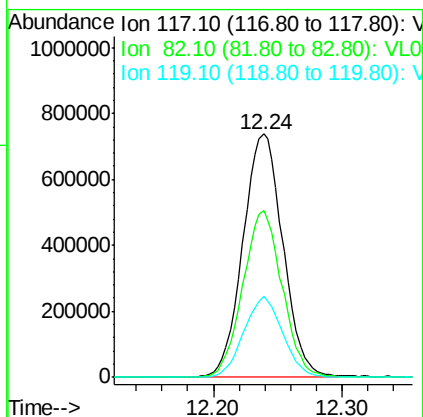
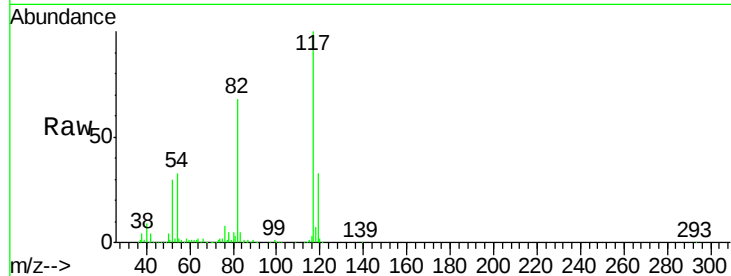
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL033313.D
Acq: 14 Mar 2019 12:56

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

Tgt Ion: 117 Resp: 1593870
Ion Ratio Lower Upper
117 100
82 67.8 51.3 76.9
119 32.4 27.0 40.4

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.409 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.00 min
Lab File: VL033313.D
Acq: 14 Mar 2019 12:56

Tgt Ion: 95 Resp: 1267034
Ion Ratio Lower Upper
95 100
174 64.4 51.9 77.9
175 4.6 3.9 5.9

