

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL010419\
 Data File : VL033082.D
 Acq On : 5 Jan 2019 00:21
 Operator : SY/AP
 Sample : J6594-03DUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVI-IA1D-2018-12-19DUP

Manual Integrations
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 1/8/2019 12:01:35 AM

Quant Time: Jan 05 03:16:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL010419AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 0
 QLast Update : Fri Jan 04 16:09:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	943880	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2186054	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	1985718	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1499019	9.85	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.50%
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	3.08	85	132460	0.754	ppbv	97
3) Chlorodifluoromethane	3.01	51	32875m	0.308	ppbv	
4) Chloromethane	3.17	50	35703	0.583	ppbv	100
9) Propene	3.05	41	51727m	1.296	ppbv	
11) Trichlorofluoromethane	4.01	101	55279	0.285	ppbv	94
13) Ethanol	3.66	45	137395	8.632	ppbv	91
15) Acetone	3.91	43	350110	2.680	ppbv	95
20) Methylene Chloride	4.41	84	211418	3.882	ppbv	96
26) Hexane	5.78	57	71266	0.685	ppbv #	47
34) 2-Butanone	5.35	43	14412	0.113	ppbv	98
35) Carbon Tetrachloride	7.14	117	14752m	0.079	ppbv	
36) Benzene	7.01	78	22877m	0.128	ppbv	
53) Toluene	9.95	91	294327	1.534	ppbv	99

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

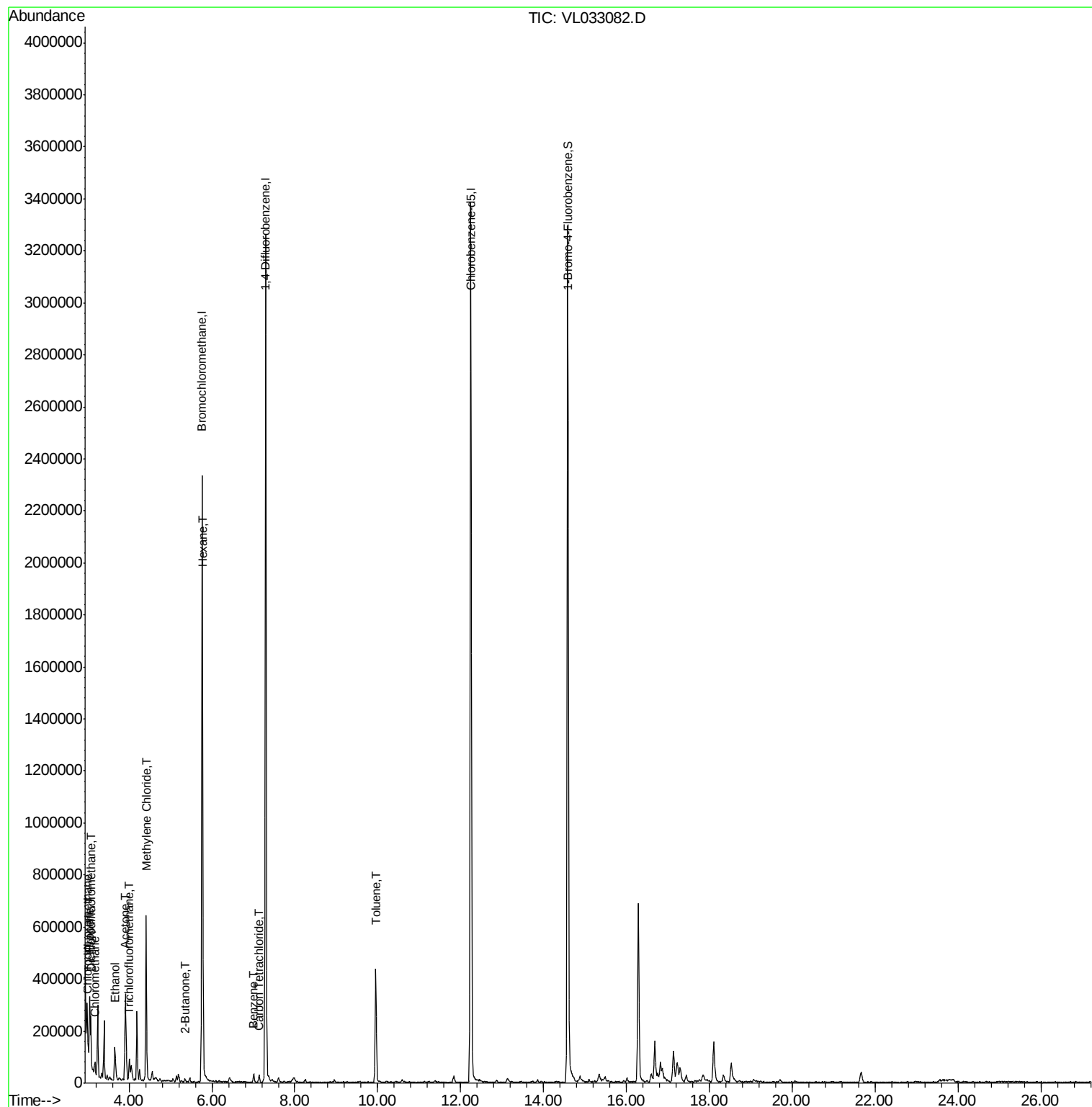
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL010419\
Data File : VL033082.D
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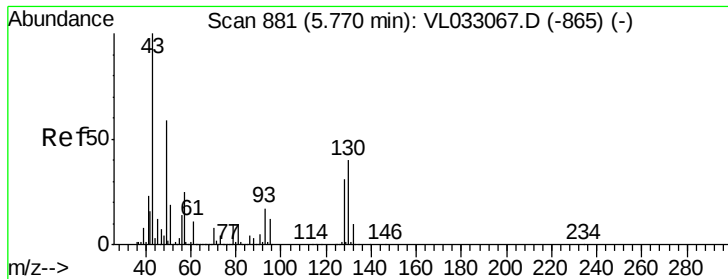
Instrument :
MSVOA_L
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SVI-IA1D-2018-12-19DUP

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Quant Time: Jan 05 03:16:56 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL010419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan
QLast Update : Fri Jan 04 16:09:05 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.00 min

Lab File: VL033082.D

Acq: 5 Jan 2019 00:21

Instrument :

MSVOA_L

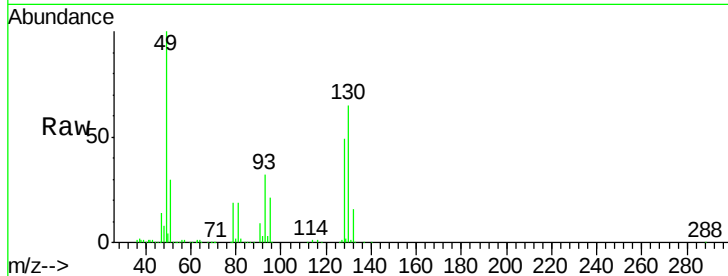
ClientSampleId :

SVI-IA1D-2018-12-19DUP

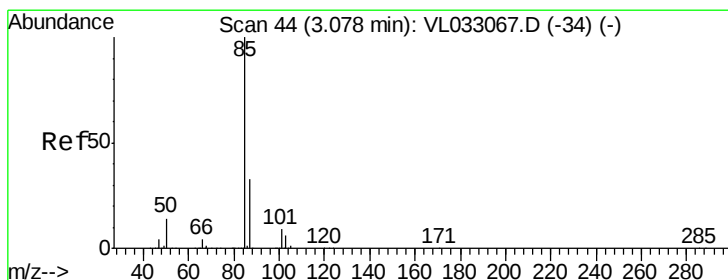
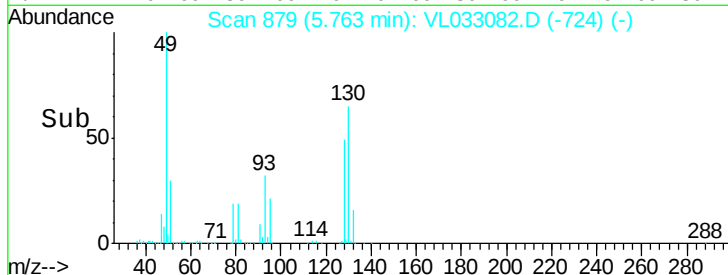
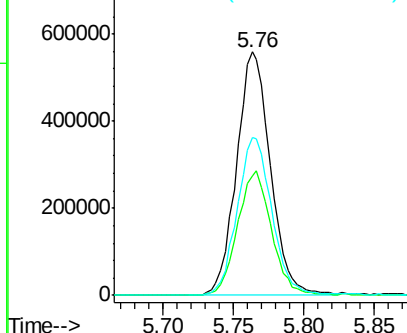
Tot Ion: 49 Resp: 943880
 Ion Ratio Lower Upper
 49 100
 128 51.9 26.2 78.5
 130 67.1 33.6 100.6

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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



#2

Dichlorodifluoromethane

Concen: 0.754 ppbv

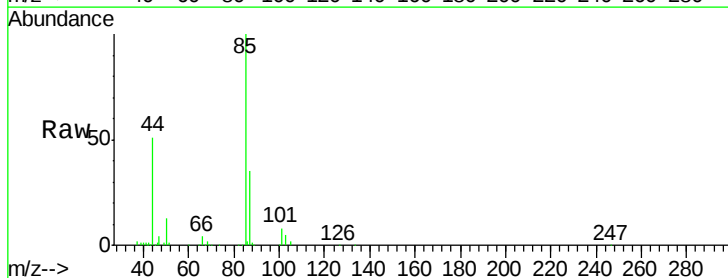
RT: 3.08 min Scan# 44

Delta R.T. 0.00 min

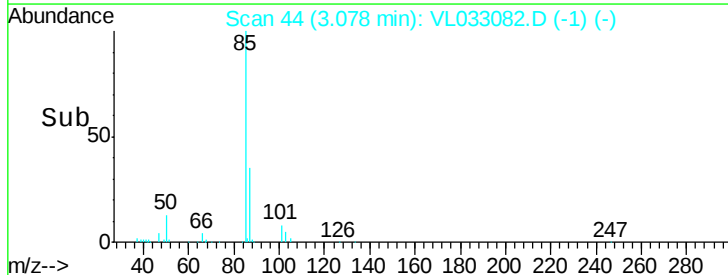
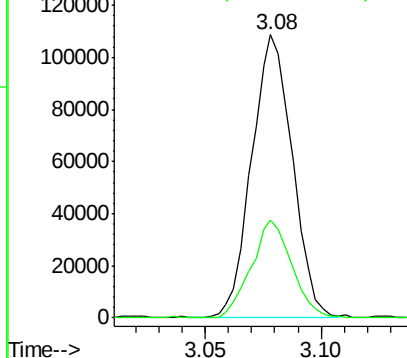
Lab File: VL033082.D

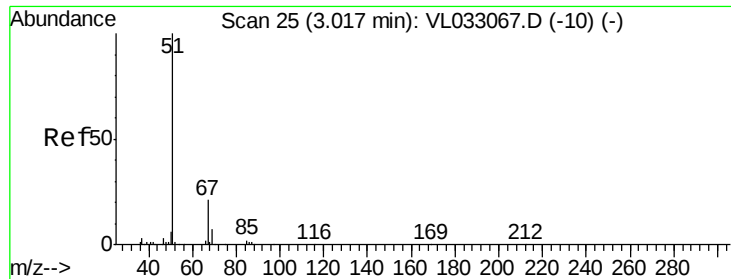
Acq: 5 Jan 2019 00:21

Tgt Ion: 85 Resp: 132460
 Ion Ratio Lower Upper
 85 100
 87 34.4 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0
 Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.308 ppbv

RT: 3.01 min Scan# 24

Delta R.T. 0.00 min

Lab File: VL033082.D

Acq: 5 Jan 2019 00:21

Instrument :

MSVOA_L

ClientSampleId :

SVI-IA1D-2018-12-19DUP

Tot Ion: 51 Resp: 32875

Ion Ratio Lower Upper

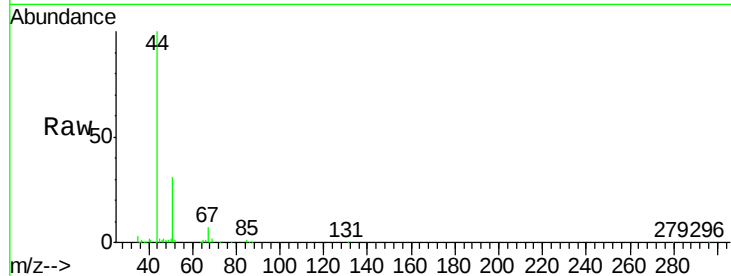
51 100

67 24.5 16.3 24.5#

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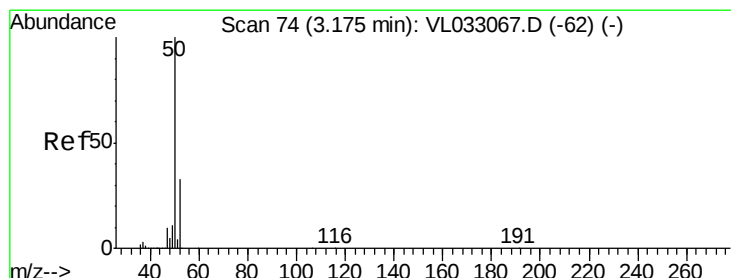
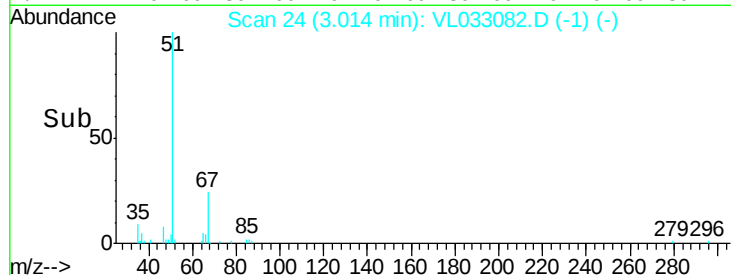
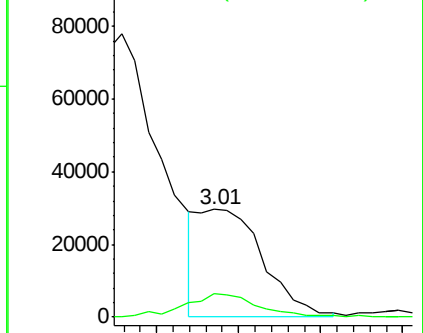
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.583 ppbv

RT: 3.17 min Scan# 73

Delta R.T. 0.00 min

Lab File: VL033082.D

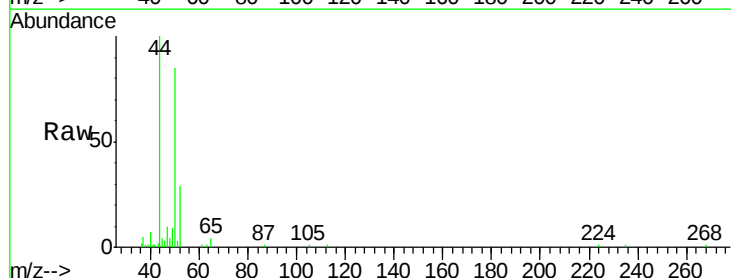
Acq: 5 Jan 2019 00:21

Tgt Ion: 50 Resp: 35703

Ion Ratio Lower Upper

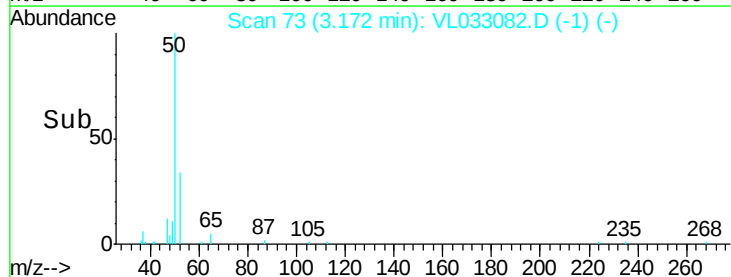
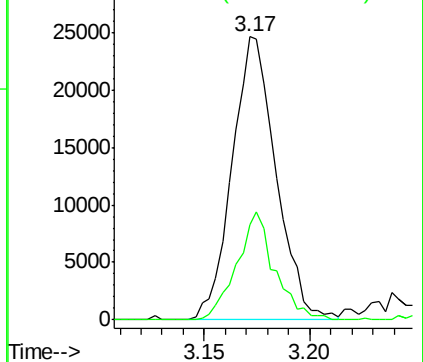
50 100

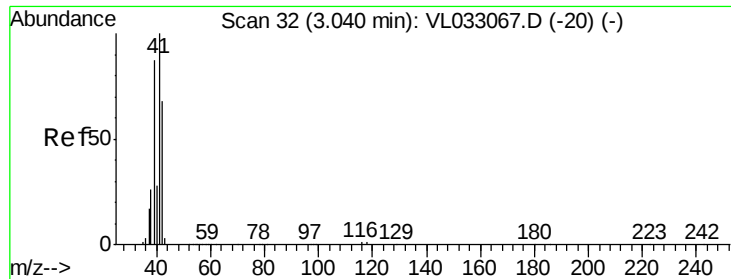
52 33.9 26.9 40.3



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 1.296 ppbv m

RT: 3.05 min Scan# 35

Delta R.T. 0.01 min

Lab File: VL033082.D

Acq: 5 Jan 2019 00:21

Instrument :

MSVOA_L

ClientSampleId :

SVI-IA1D-2018-12-19DUP

Tot Ion: 41 Resp: 51727

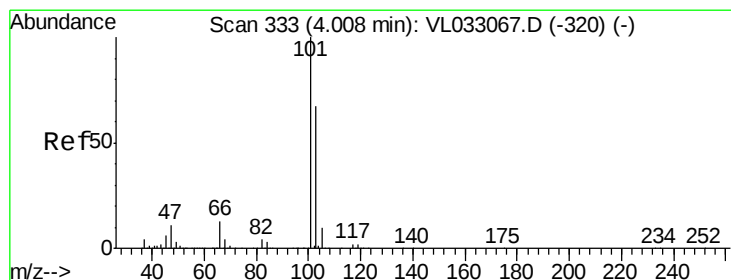
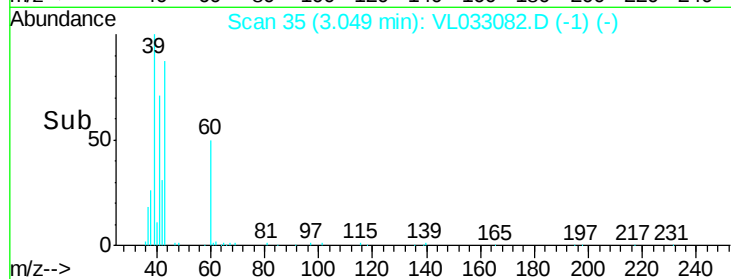
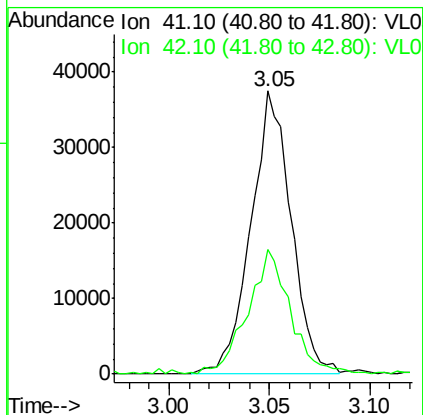
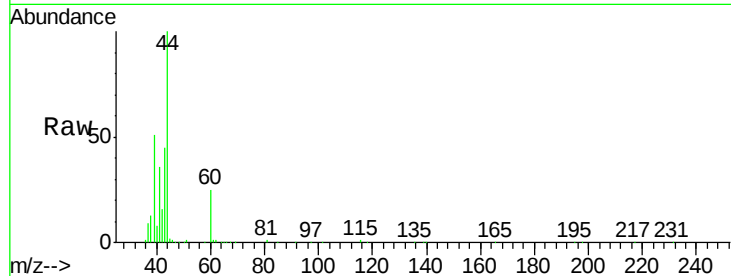
Ion Ratio Lower Upper

41 100

42 57.3 55.3 82.9

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#11

Trichlorofluoromethane

Concen: 0.285 ppbv

RT: 4.01 min Scan# 333

Delta R.T. 0.00 min

Lab File: VL033082.D

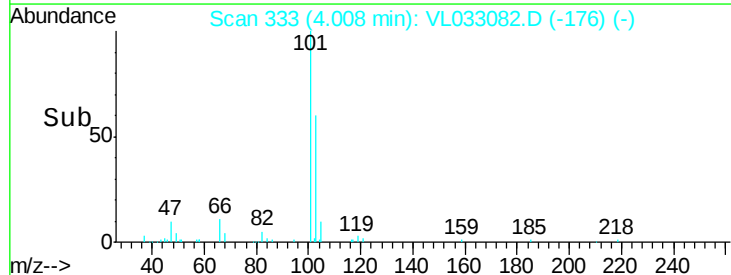
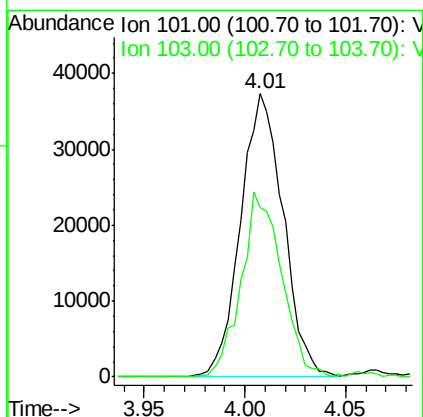
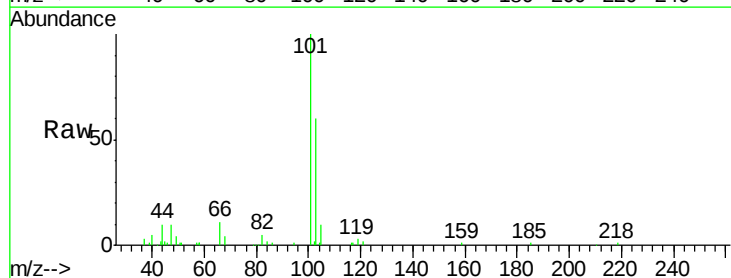
Acq: 5 Jan 2019 00:21

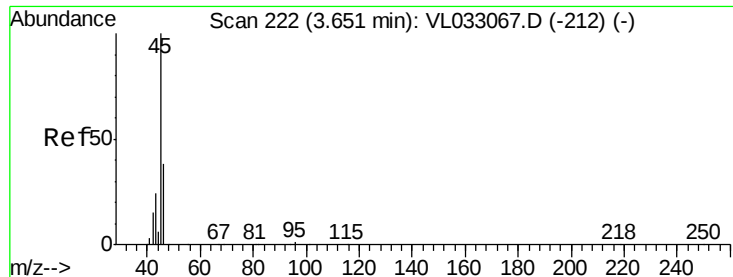
Tgt Ion: 101 Resp: 55279

Ion Ratio Lower Upper

101 100

103 60.0 51.7 77.5





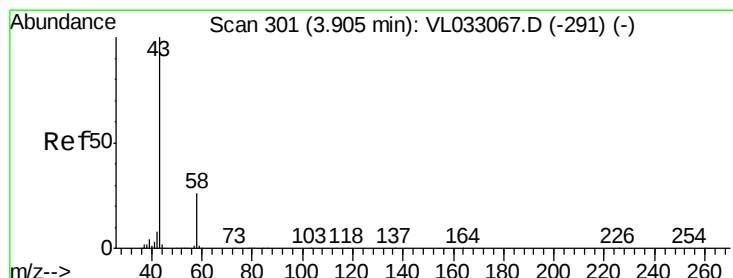
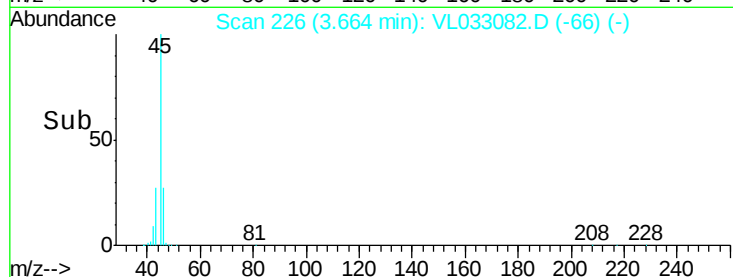
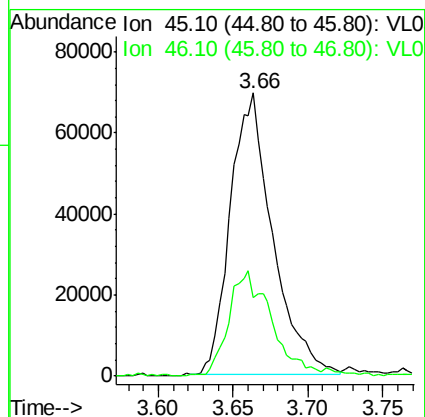
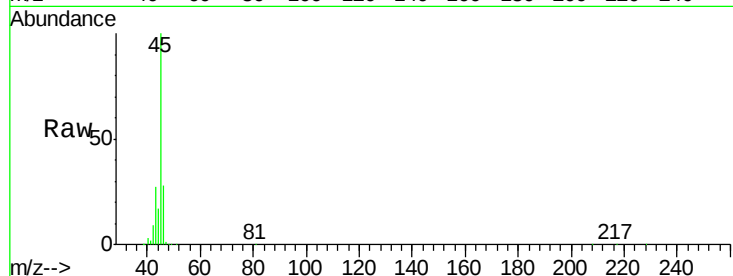
#13
Ethanol
Concen: 8.632 ppbv
RT: 3.66 min Scan# 226
Delta R.T. 0.01 min
Lab File: VL033082.D
Acq: 5 Jan 2019 00:21

Instrument :
MSVOA_L
ClientSampleId :
SVI-IA1D-2018-12-19DUP

Tot Ion: 45 Resp: 137395
Ion Ratio Lower Upper
45 100
46 39.6 13.8 55.2

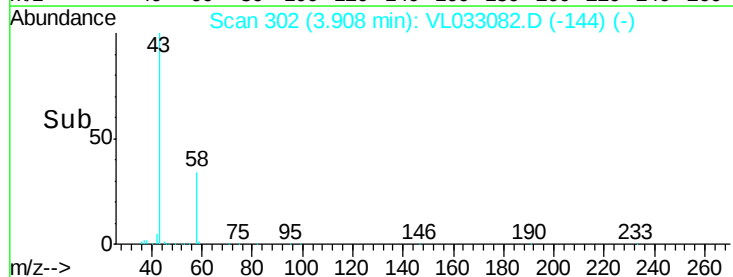
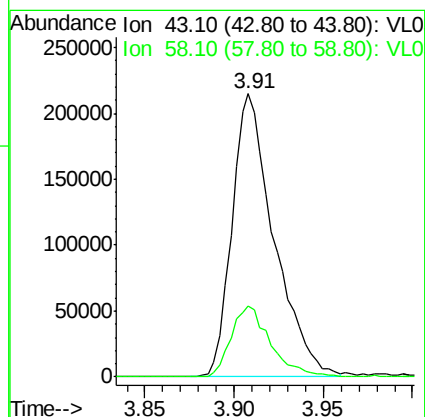
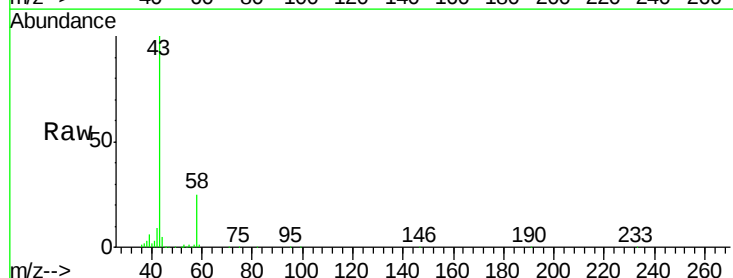
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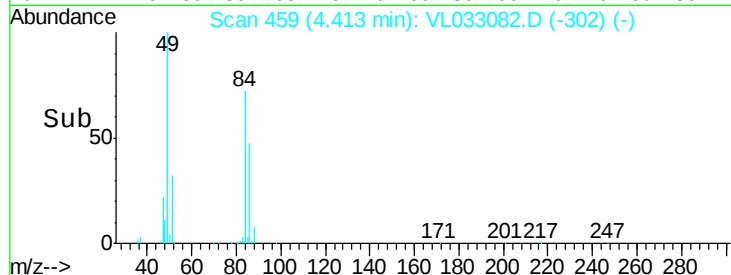
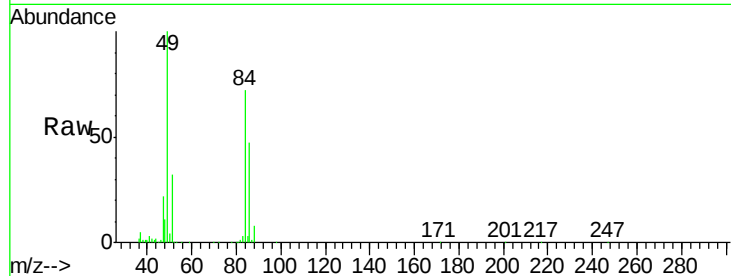
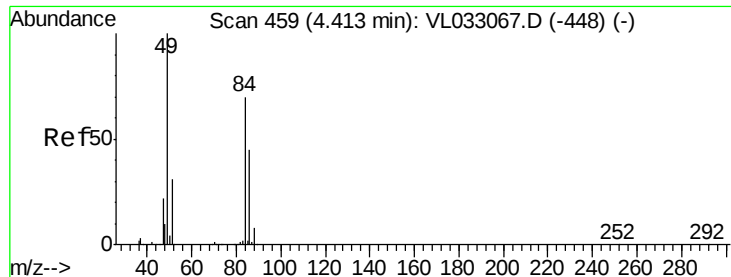
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#15
Acetone
Concen: 2.680 ppbv
RT: 3.91 min Scan# 302
Delta R.T. 0.01 min
Lab File: VL033082.D
Acq: 5 Jan 2019 00:21

Tgt Ion: 43 Resp: 350110
Ion Ratio Lower Upper
43 100
58 24.0 21.1 31.7





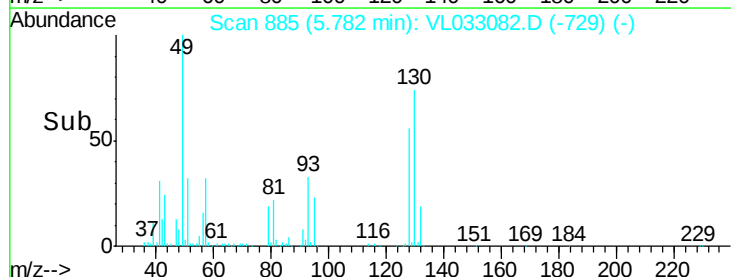
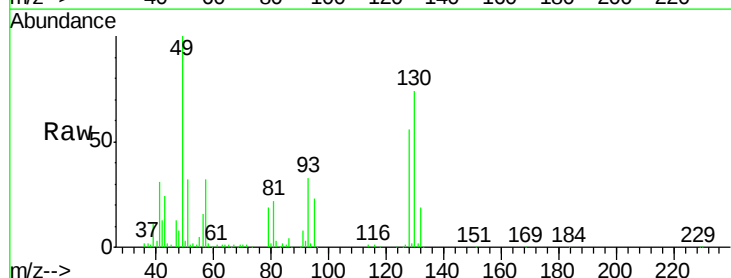
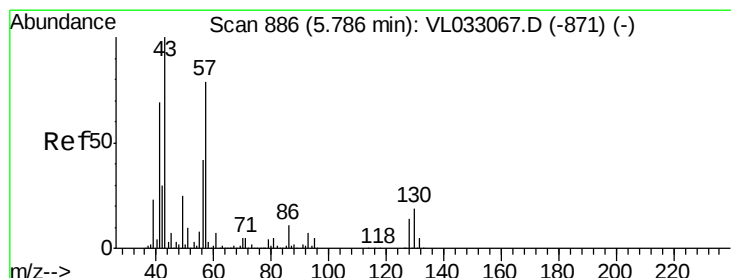
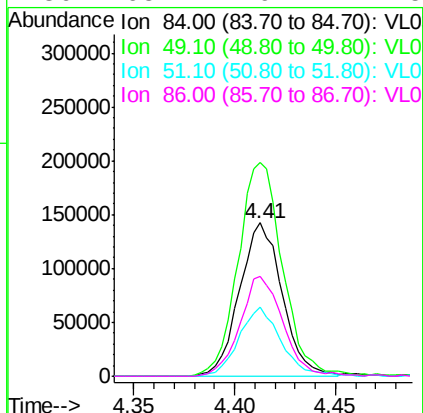
#20
Methvlene Chloride
Concen: 3.882 ppbv
RT: 4.41 min Scan# 459
Delta R.T. 0.00 min
Lab File: VL033082.D
Acq: 5 Jan 2019 00:21

Tot Ion:	84	Resp:	211418
Ion Ratio	Lower	Upper	
84	100		
49	138.9	115.8	173.6
51	44.9	35.7	53.5
86	65.1	49.7	74.5

Instrument :
MSVOA_L
ClientSampleId :
SVI-IA1D-2018-12-19DUP

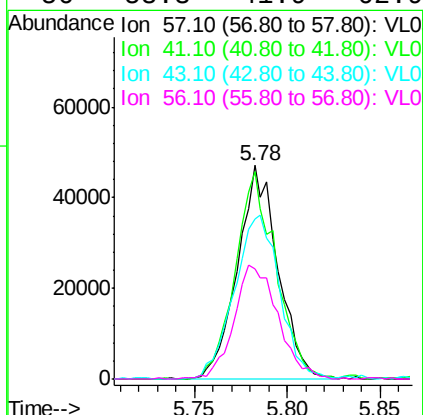
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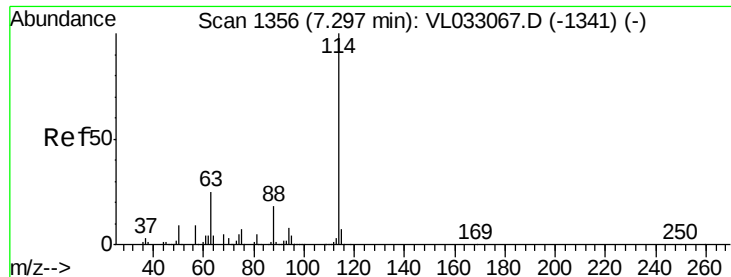
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#26
Hexane
Concen: 0.685 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.00 min
Lab File: VL033082.D
Acq: 5 Jan 2019 00:21

Tgt Ion:	57	Resp:	71266
Ion Ratio	Lower	Upper	
57	100		
41	99.0	70.8	106.2
43	87.0	171.8	257.6#
56	58.3	41.9	62.9





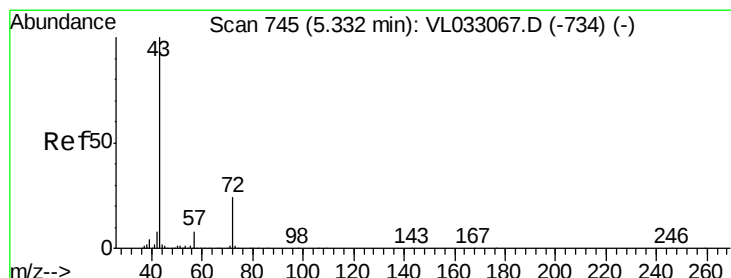
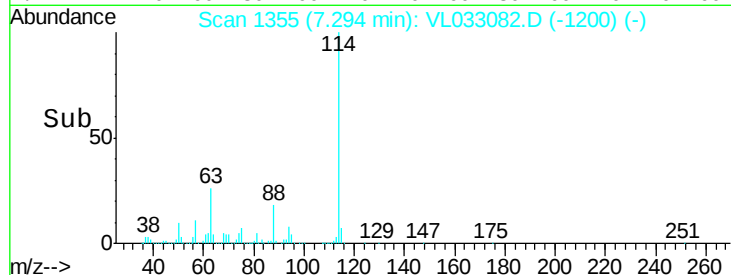
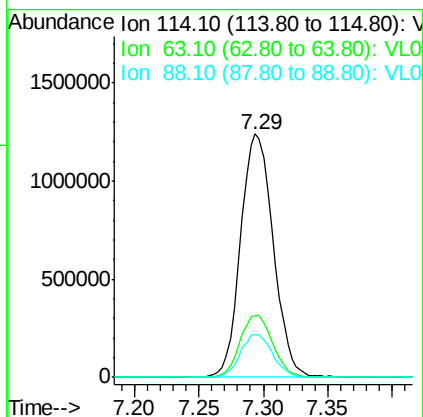
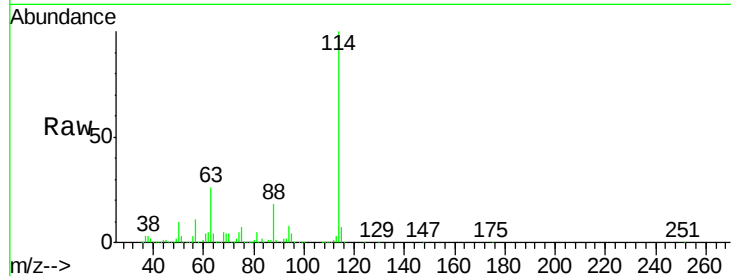
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.00 min
 Lab File: VL033082.D
 Acq: 5 Jan 2019 00:21

Instrument :
 MSVOA_L
 ClientSampleId :
 SVI-IA1D-2018-12-19DUP

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.6	20.1	30.1
88	17.6	14.0	21.0

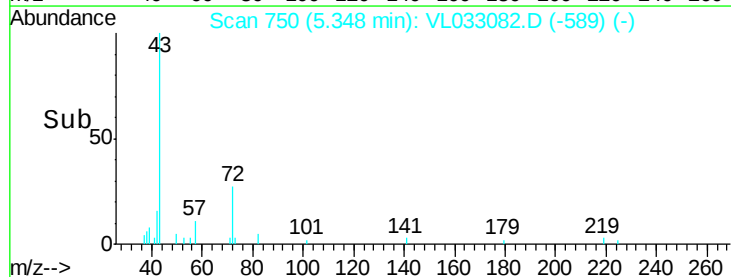
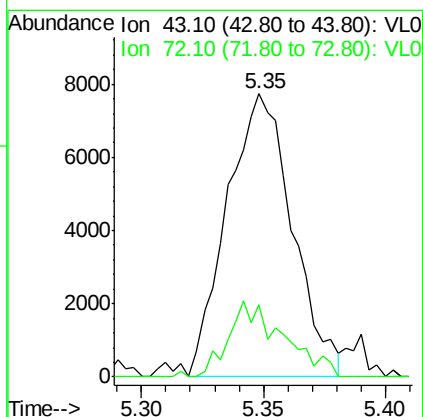
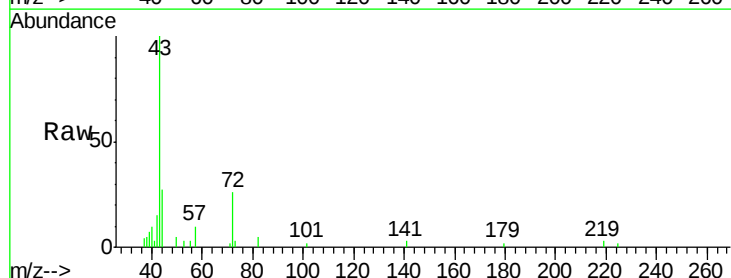
Manual Integrations
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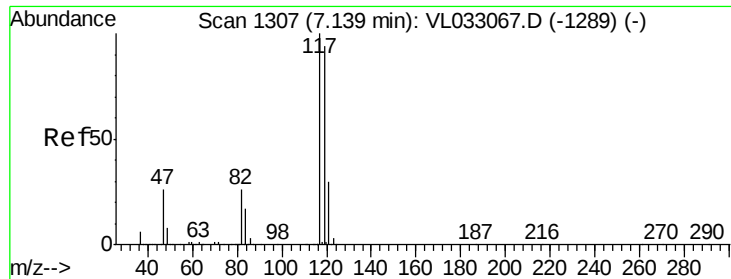
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#34
 2-Butanone
 Concen: 0.113 ppbv
 RT: 5.35 min Scan# 750
 Delta R.T. 0.02 min
 Lab File: VL033082.D
 Acq: 5 Jan 2019 00:21

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.6	18.9	28.3





#35

Carbon Tetrachloride

Concen: 0.079 ppbv m

RT: 7.14 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VL033082.D

Acq: 5 Jan 2019 00:21

Instrument :

MSVOA_L

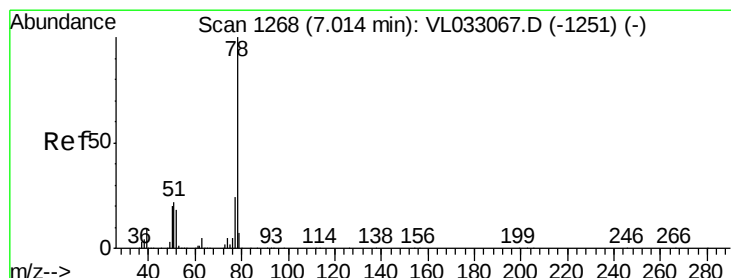
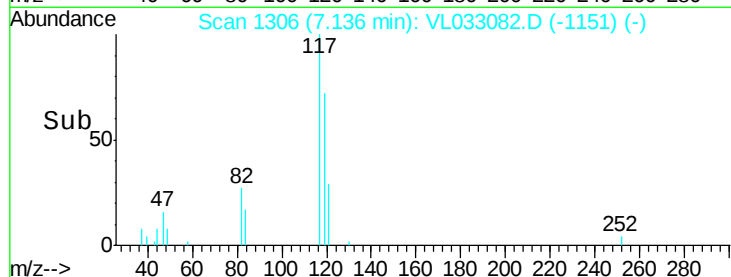
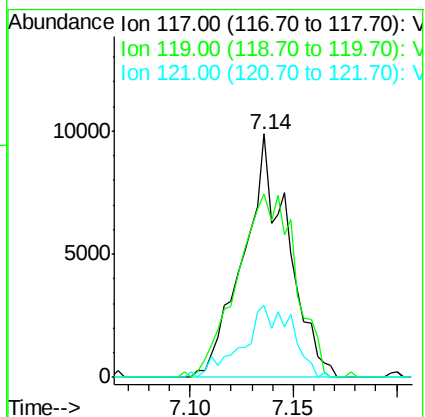
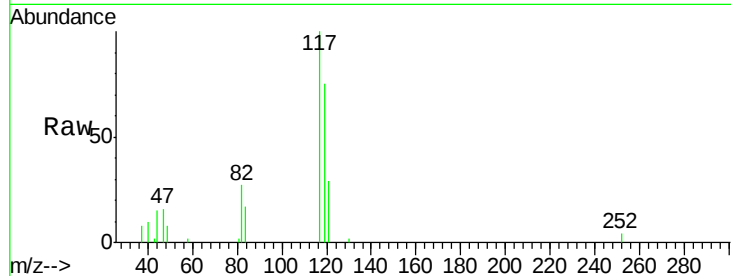
ClientSampleId :

SVI-IA1D-2018-12-19DUP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
117	100		14752		
119	75.2		76.5	114.7#	
121	29.4		25.2	37.8	

Manual Integrations
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#36

Benzene

Concen: 0.128 ppbv m

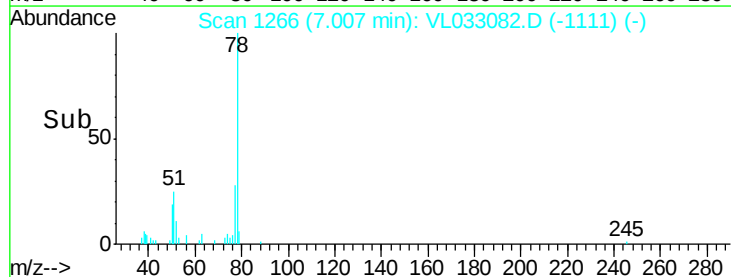
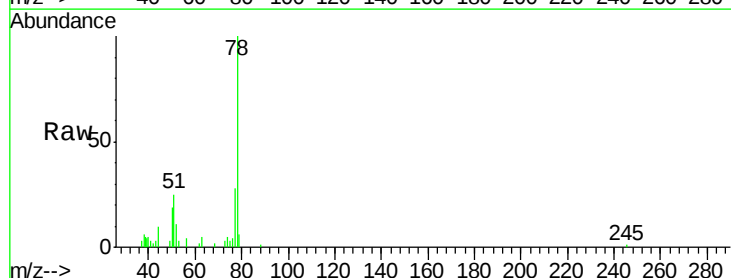
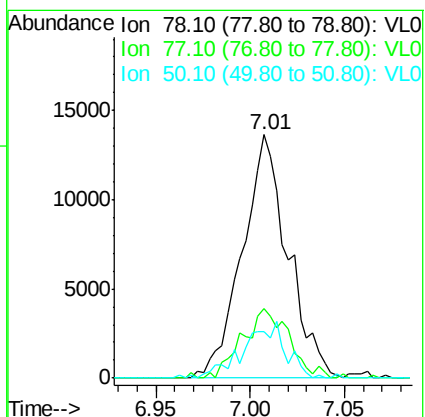
RT: 7.01 min Scan# 1266

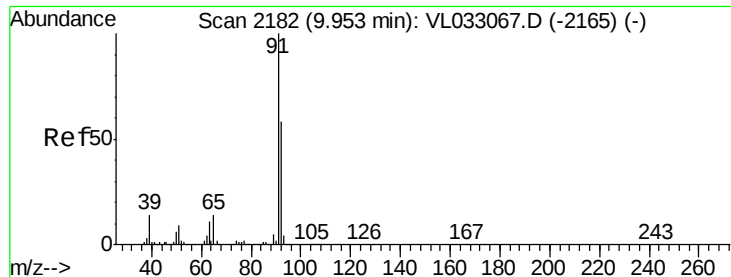
Delta R.T. -0.00 min

Lab File: VL033082.D

Acq: 5 Jan 2019 00:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
78	100		22877		
77	28.5		18.5	27.7#	
50	18.9		15.7	23.5	





#53

Toluene

Concen: 1.534 ppbv

RT: 9.95 min Scan# 2182

Delta R.T. 0.00 min

Lab File: VL033082.D

Acq: 5 Jan 2019 00:21

Instrument :

MSVOA_L

ClientSampleId :

SVI-IA1D-2018-12-19DUP

Tot Ion: 91 Resp: 294327

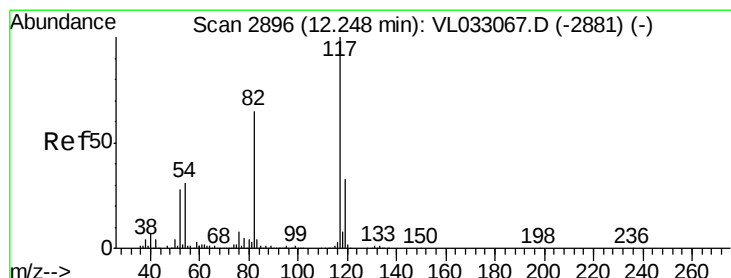
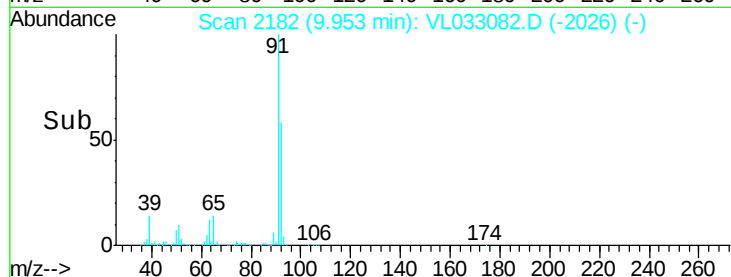
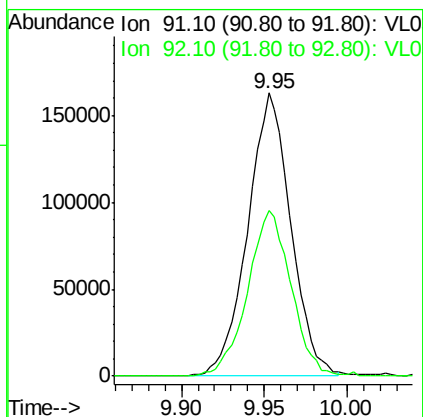
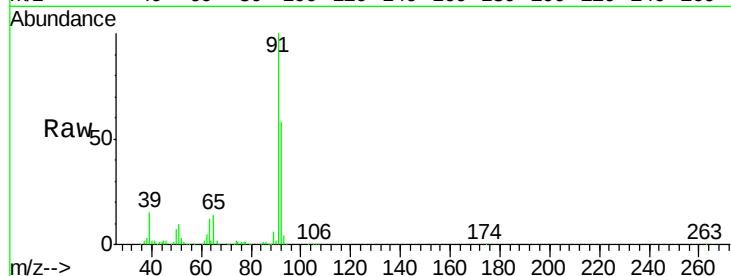
Ion Ratio Lower Upper

91 100

92 59.0 47.7 71.5

Manual Integrations
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1/8/2019 12:01:35 AM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2895

Delta R.T. -0.00 min

Lab File: VL033082.D

Acq: 5 Jan 2019 00:21

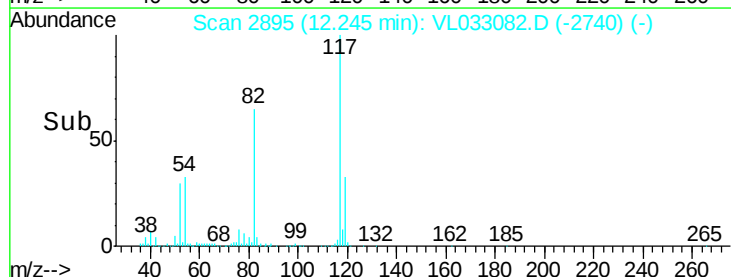
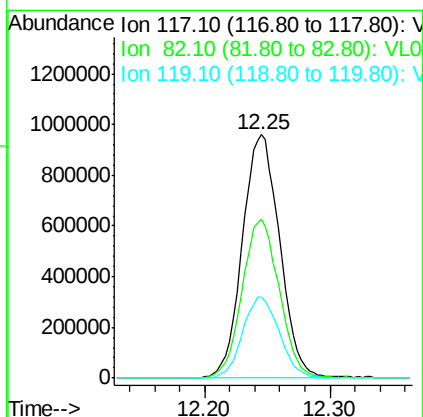
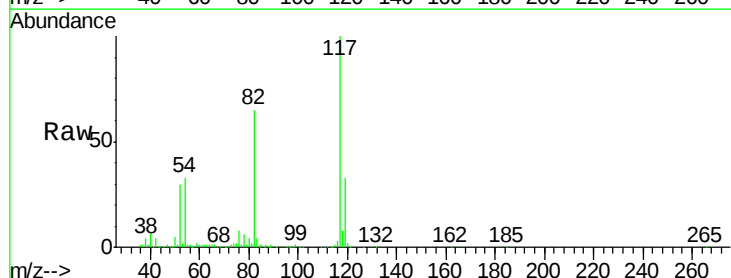
Tgt Ion: 117 Resp: 1985718

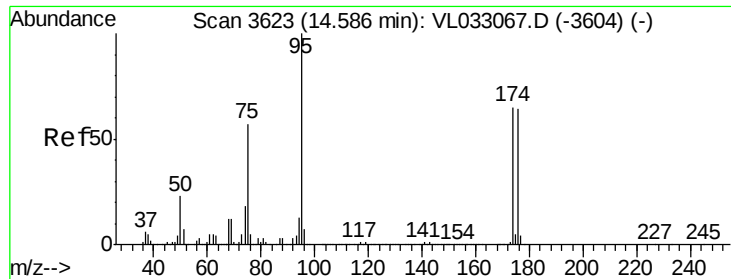
Ion Ratio Lower Upper

117 100

82 65.4 48.9 73.3

119 33.1 24.6 37.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.848 ppbv
 RT: 14.58 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VL033082.D
 Acq: 5 Jan 2019 00:21

Instrument :
 MSVOA_L
 ClientSampleId :
 SVI-IA1D-2018-12-19DUP

Tot Ion: 95 Resp: 1499019
 Ion Ratio Lower Upper
 95 100
 174 64.6 51.9 77.9
 175 4.8 3.9 5.9

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 12:01:35 AM

