

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL010419\
 Data File : VL033081.D
 Acq On : 4 Jan 2019 23:41
 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 12:01:32 AM

Quant Time: Jan 05 03:11:49 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	940552	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2195211	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2044976	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene		14.58	95	1553958	9.91	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	132468	0.757	ppbv	92
3) Chlorodifluoromethane	3.01	51	34092m	0.320	ppbv	
4) Chloromethane	3.17	50	35675	0.585	ppbv	90
9) Propene	3.05	41	49647m	1.248	ppbv	
11) Trichlorofluoromethane	4.01	101	52336	0.271	ppbv	92
13) Ethanol	3.66	45	134131m	8.457	ppbv	
15) Acetone	3.91	43	336072	2.581	ppbv	92
20) Methylene Chloride	4.42	84	212715	3.919	ppbv	99
26) Hexane	5.79	57	63672	0.614	ppbv #	45
34) 2-Butanone	5.35	43	14144m	0.111	ppbv	
35) Carbon Tetrachloride	7.14	117	14931m	0.079	ppbv	
36) Benzene	7.01	78	20702	0.115	ppbv #	95
53) Toluene	9.95	91	280490	1.456	ppbv	97

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

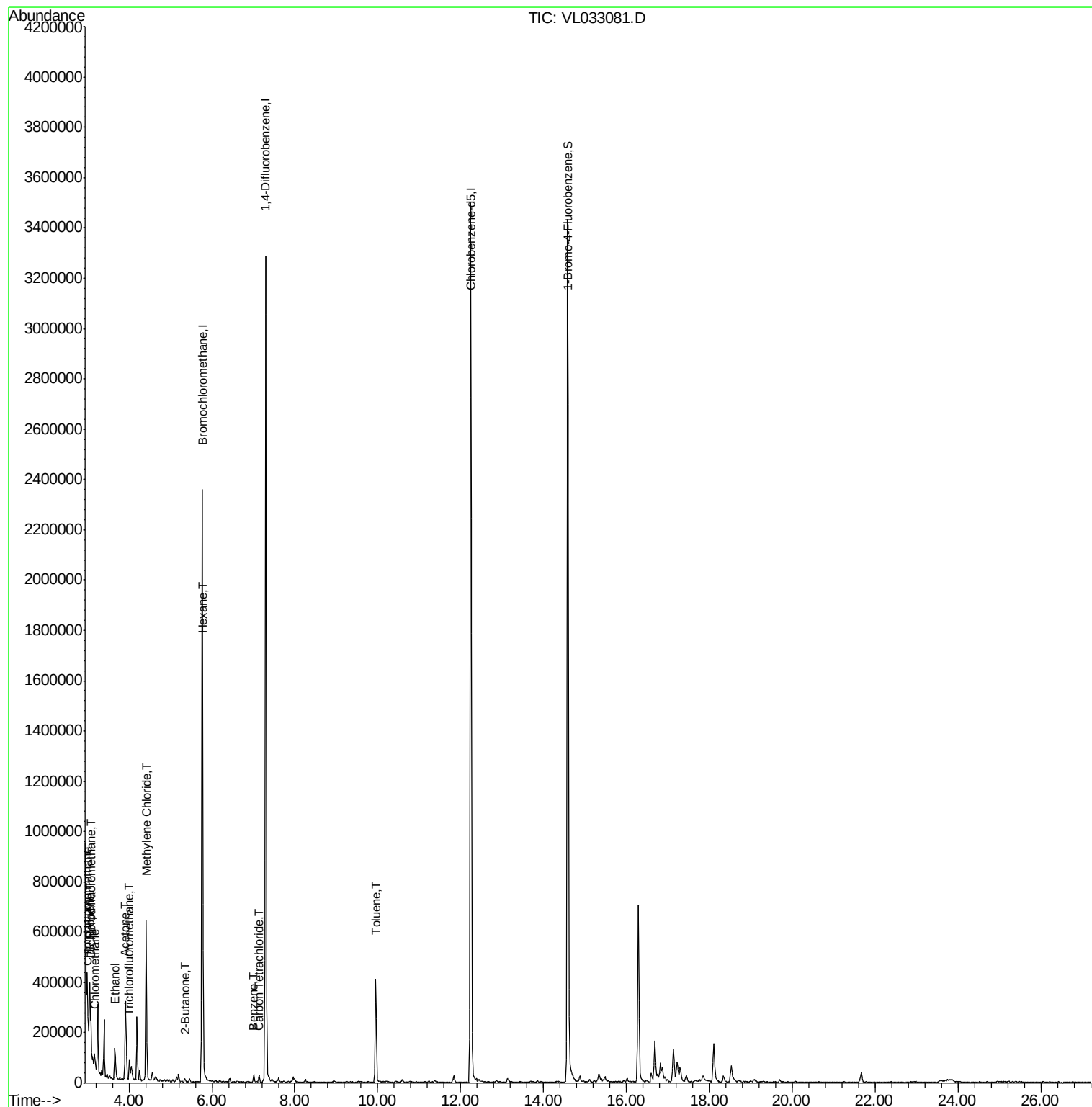
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL010419\
Data File : VL033081.D
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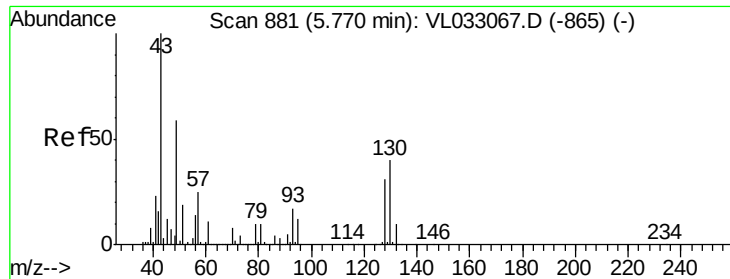
Instrument :
MSVOA_L
ClientSampleId :
SVI-IA1D-2018-12-19DUP

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Quant Time: Jan 05 03:11:49 2019
Quant Method : Z:\VOASRV\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: VL033081.D

Acq: 4 Jan 2019 23:41

Instrument :

MSVOA_L

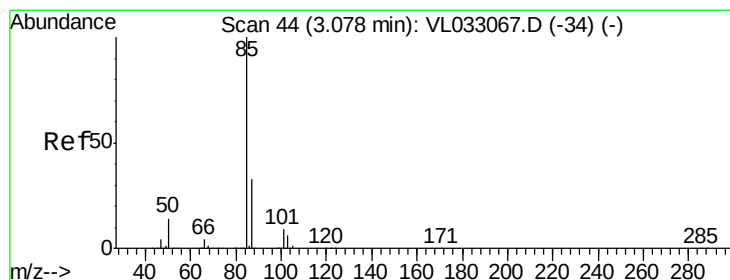
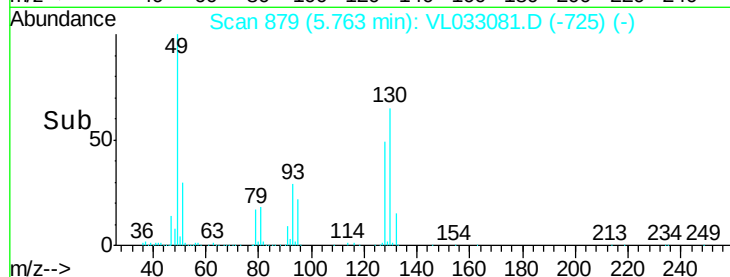
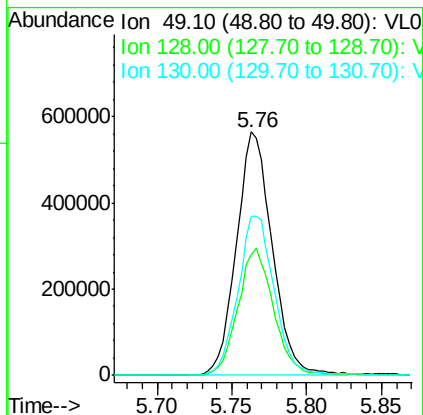
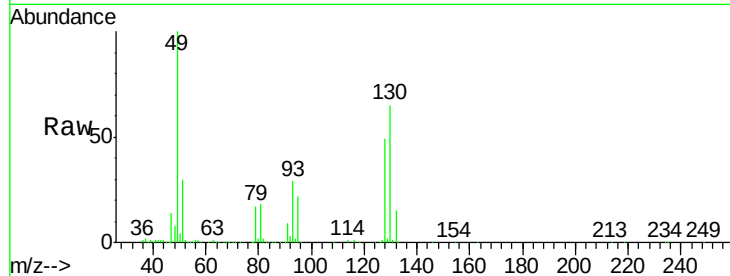
ClientSampleId :

SVI-IA1D-2018-12-19DUP

Tot Ion:	49	Resp:	940552
Ion	Ratio	Lower	Upper
49	100		
128	52.1	26.2	78.5
130	67.2	33.6	100.6

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#2

Dichlorodifluoromethane

Concen: 0.757 ppbv

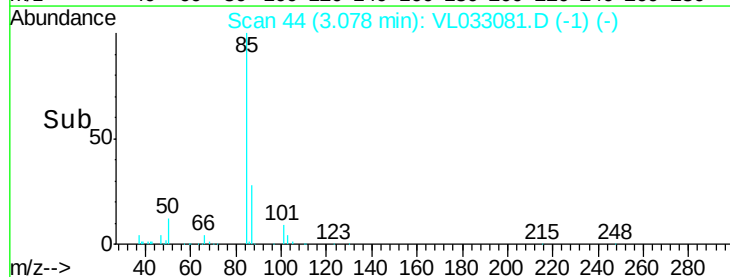
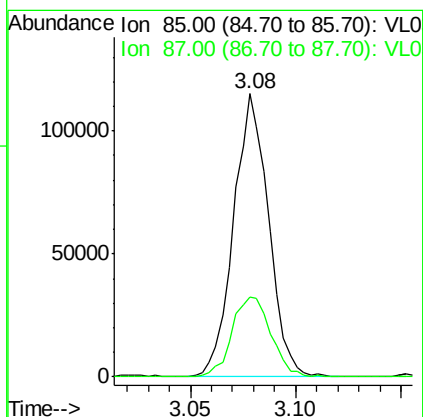
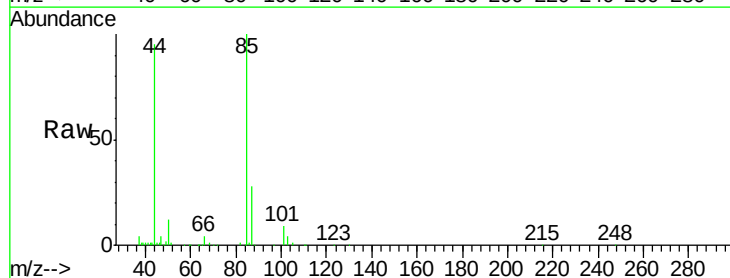
RT: 3.08 min Scan# 44

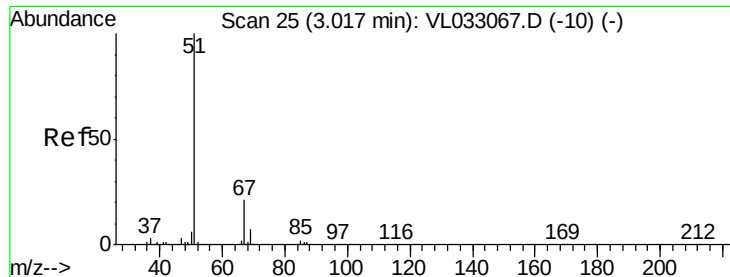
Delta R.T. -0.00 min

Lab File: VL033081.D

Acq: 4 Jan 2019 23:41

Tgt Ion:	85	Resp:	132468
Ion	Ratio	Lower	Upper
85	100		
87	28.4	26.3	39.5





#3

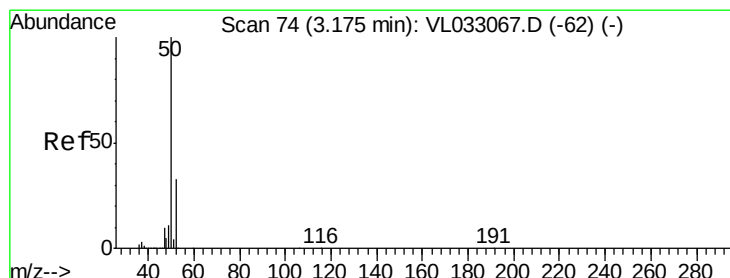
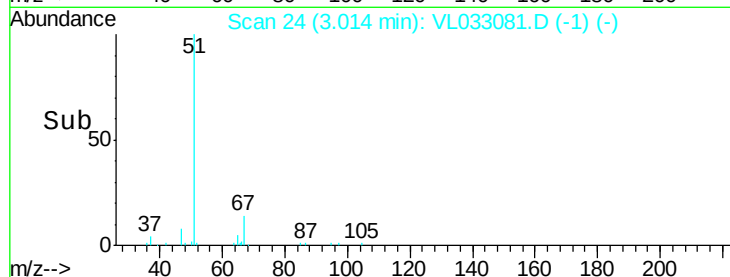
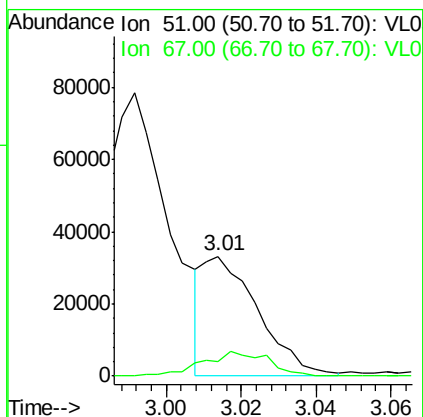
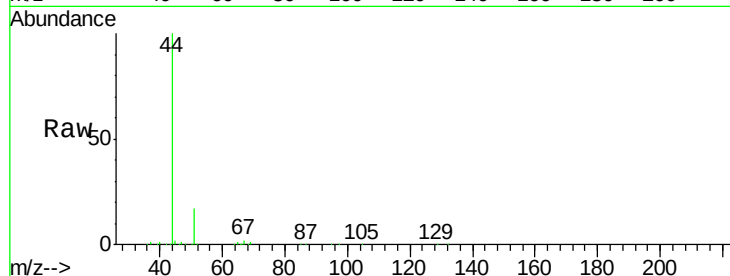
Chlorodifluoromethane
Concen: 0.320 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033081.D
Acq: 4 Jan 2019 23:41

Instrument :
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ClientSampleId :
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Tot Ion: 51 Resp: 34092
Ion Ratio Lower Upper
51 100
67 25.2 16.3 24.5#

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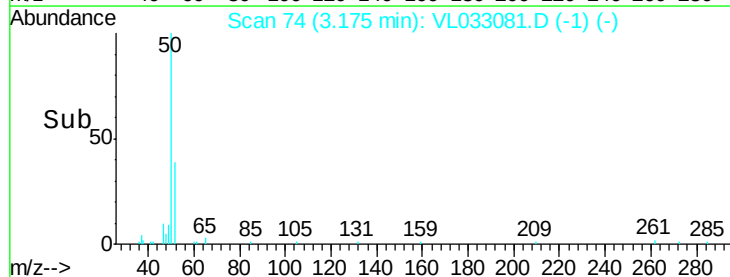
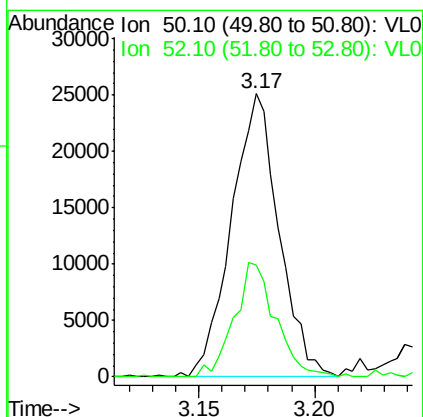
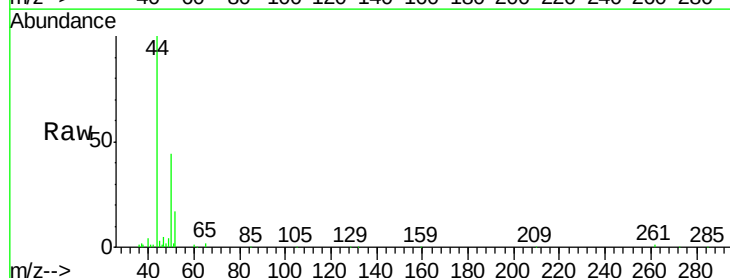
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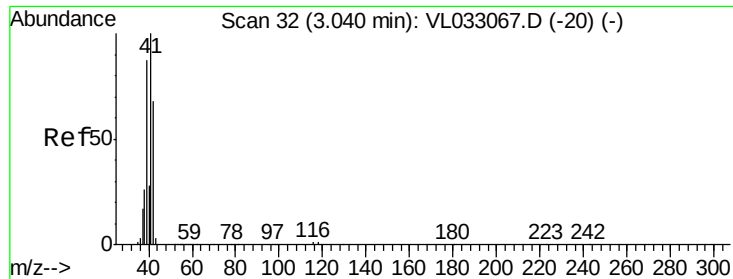


#4

Chloromethane
Concen: 0.585 ppbv
RT: 3.17 min Scan# 74
Delta R.T. 0.00 min
Lab File: VL033081.D
Acq: 4 Jan 2019 23:41

Tgt Ion: 50 Resp: 35675
Ion Ratio Lower Upper
50 100
52 39.4 26.9 40.3





#9

Propene

Concen: 1.248 ppbv m

RT: 3.05 min Scan# 35

Delta R.T. 0.01 min

Lab File: VL033081.D

Acq: 4 Jan 2019 23:41

Instrument :

MSVOA_L

ClientSampleId :

SVI-IA1D-2018-12-19DUP

Tot Ion: 41 Resp: 49647

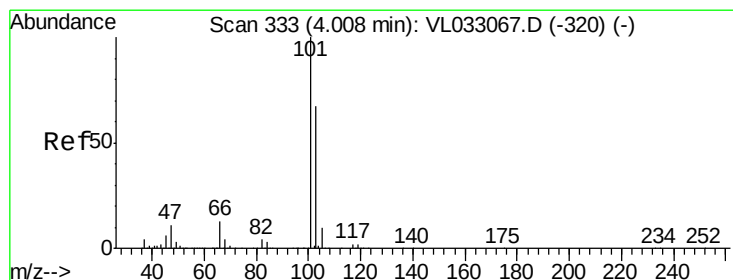
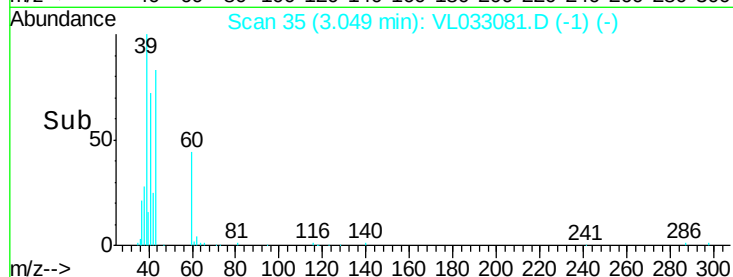
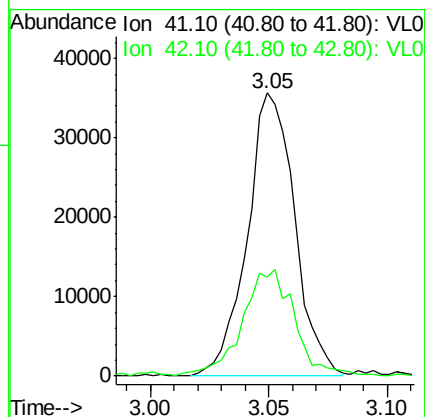
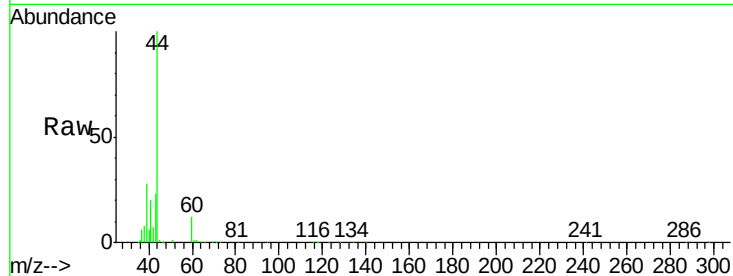
Ion Ratio Lower Upper

41 100

42 55.2 55.3 82.9#

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#11

Trichlorofluoromethane

Concen: 0.271 ppbv

RT: 4.01 min Scan# 334

Delta R.T. 0.01 min

Lab File: VL033081.D

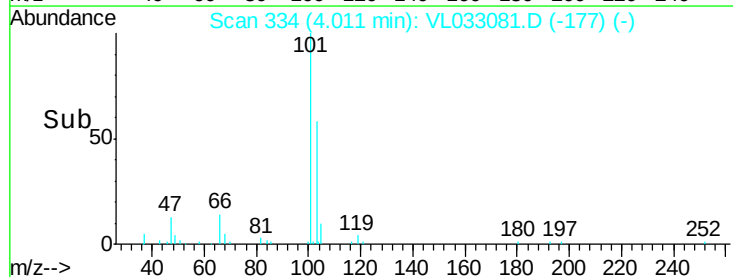
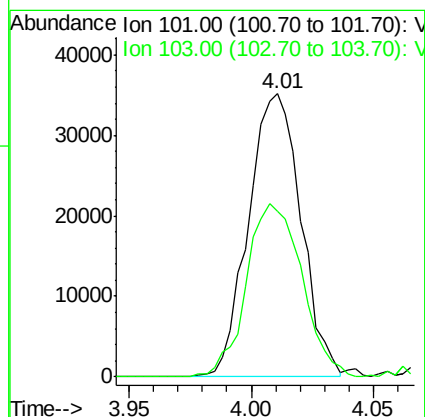
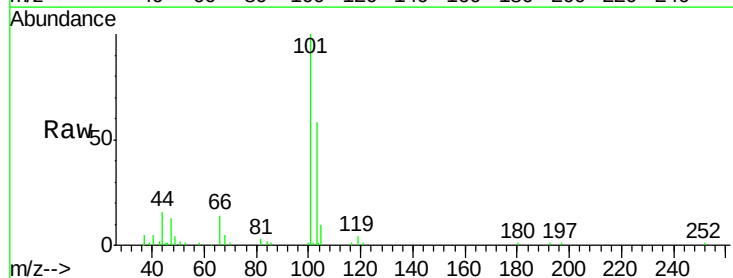
Acq: 4 Jan 2019 23:41

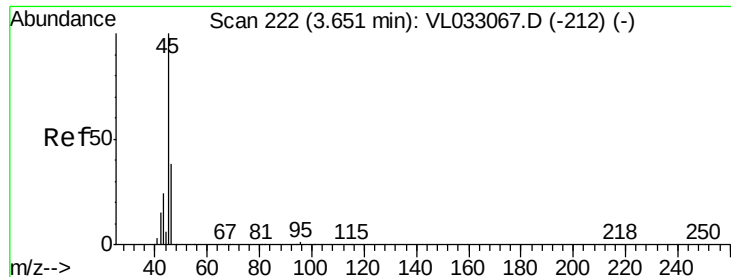
Tgt Ion: 101 Resp: 52336

Ion Ratio Lower Upper

101 100

103 58.3 51.7 77.5





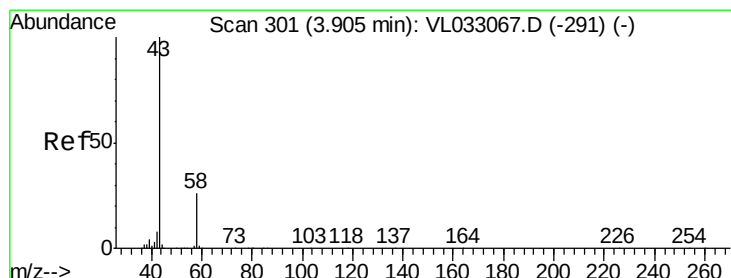
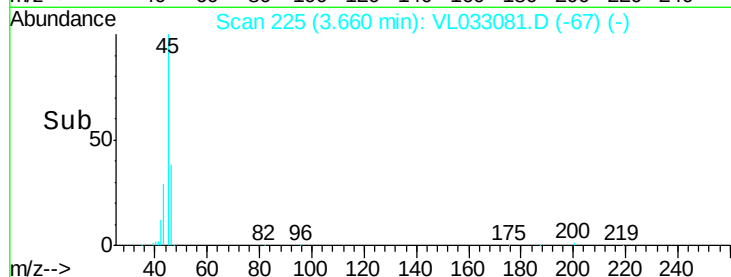
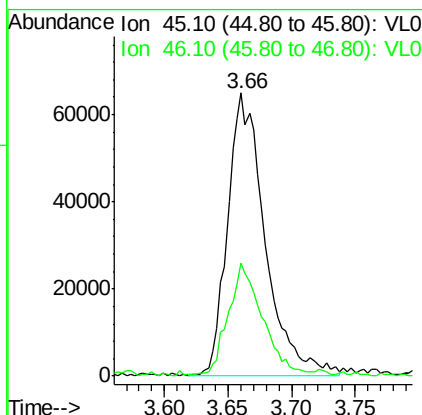
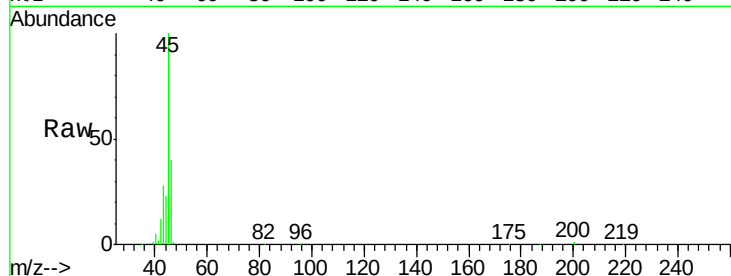
#13
Ethanol
Concen: 8.457 ppbv m
RT: 3.66 min Scan# 225
Delta R.T. 0.01 min
Lab File: VL033081.D
Acq: 4 Jan 2019 23:41

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

Tot Ion	45	46	Ratio	Lower	Upper
134131	100	37.5		13.8	55.2

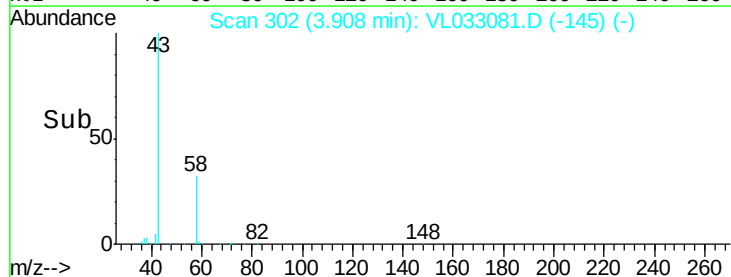
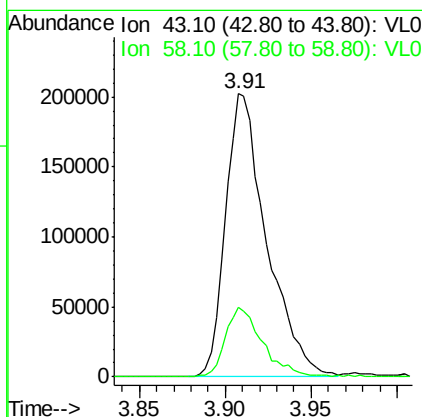
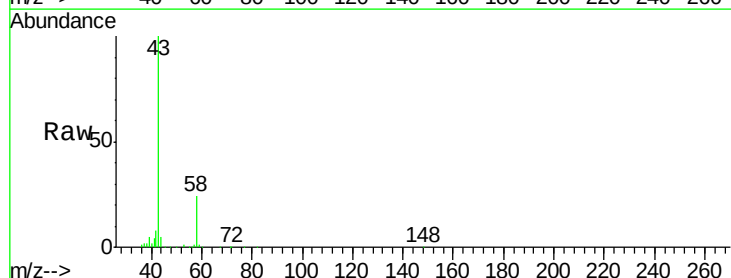
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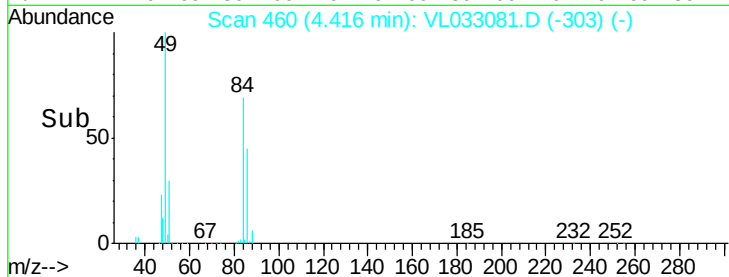
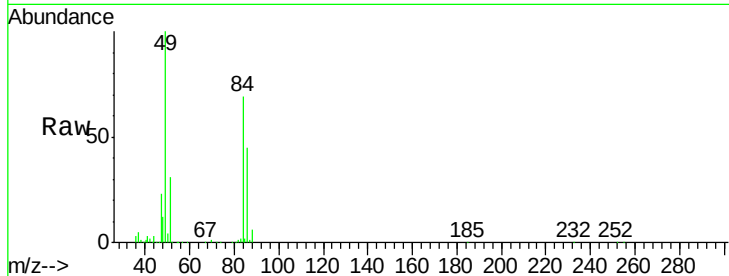
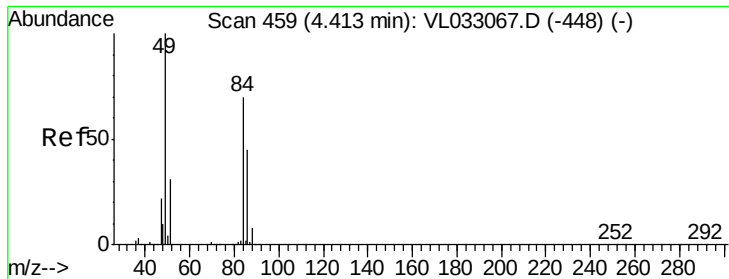
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#15
Acetone
Concen: 2.581 ppbv
RT: 3.91 min Scan# 302
Delta R.T. 0.01 min
Lab File: VL033081.D
Acq: 4 Jan 2019 23:41

Tgt Ion	43	58	Ratio	Lower	Upper
336072	100	22.3		21.1	31.7





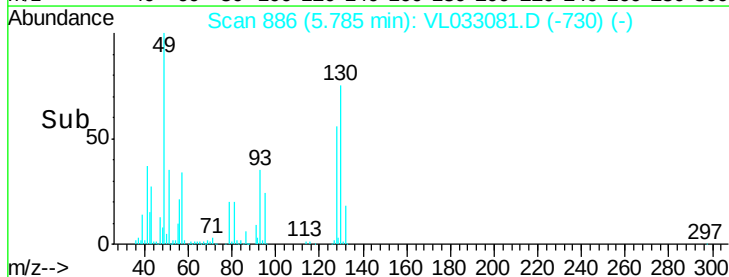
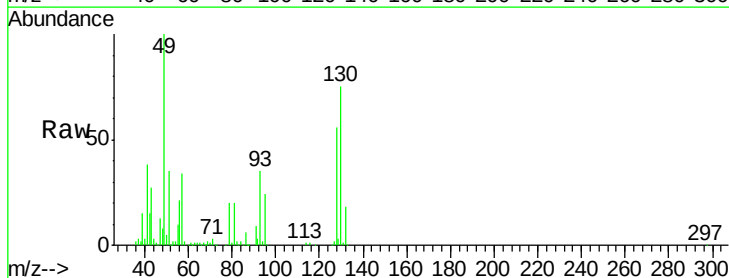
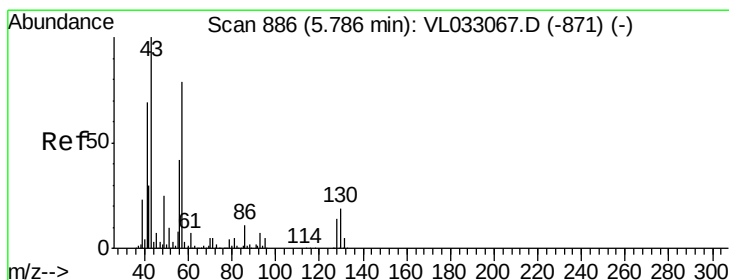
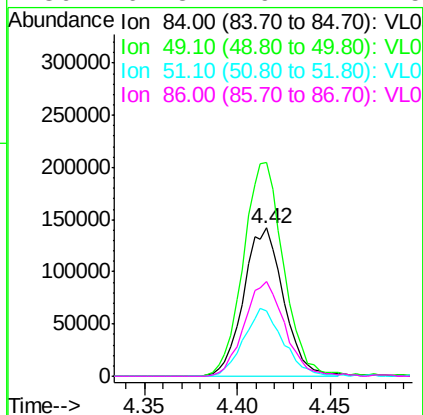
#20
Methvlene Chloride
Concen: 3.919 ppbv
RT: 4.42 min Scan# 460
Delta R.T. 0.01 min
Lab File: VL033081.D
Acq: 4 Jan 2019 23:41

Tot Ion	84	Resp	212715
Ion Ratio	Lower	Upper	
84	100		
49	144.3	115.8	173.6
51	44.0	35.7	53.5
86	64.3	49.7	74.5

Instrument :
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ClientSampleId :
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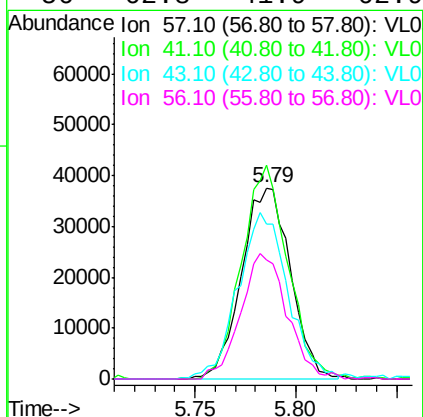
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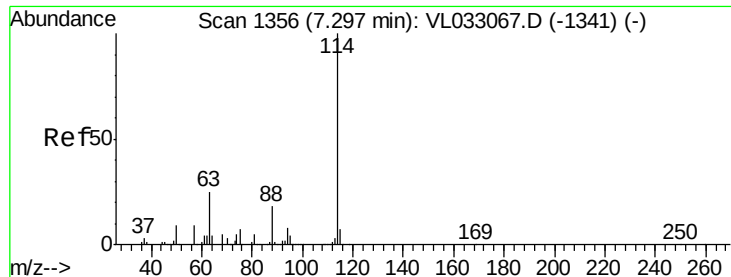
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#26
Hexane
Concen: 0.614 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.00 min
Lab File: VL033081.D
Acq: 4 Jan 2019 23:41

Tgt Ion	57	Resp	63672
Ion Ratio	Lower	Upper	
57	100		
41	106.9	70.8	106.2#
43	89.4	171.8	257.6#
56	62.8	41.9	62.9





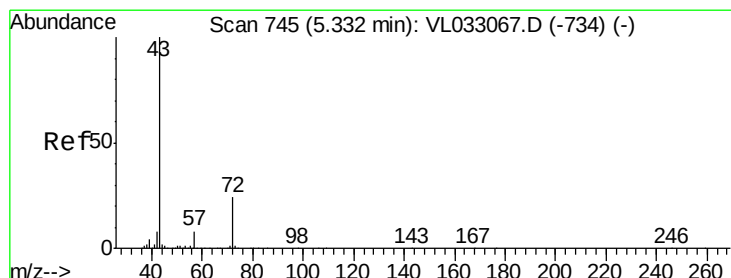
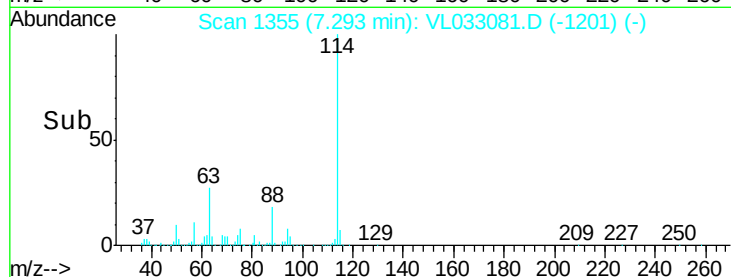
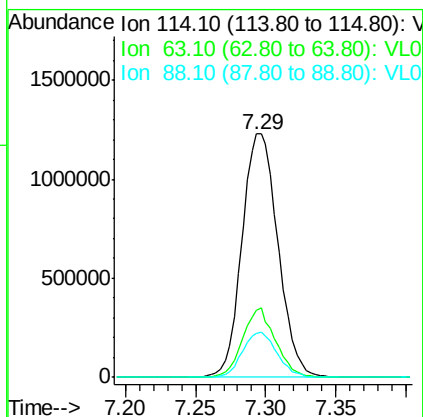
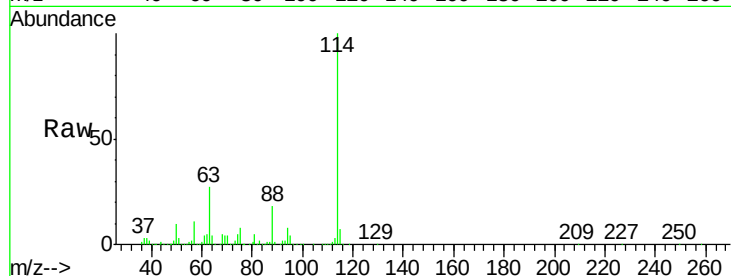
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.00 min
 Lab File: VL033081.D
 Acq: 4 Jan 2019 23:41

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

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.1	20.1	30.1
88	18.0	14.0	21.0

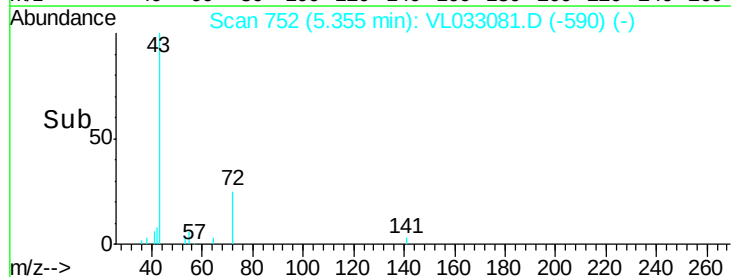
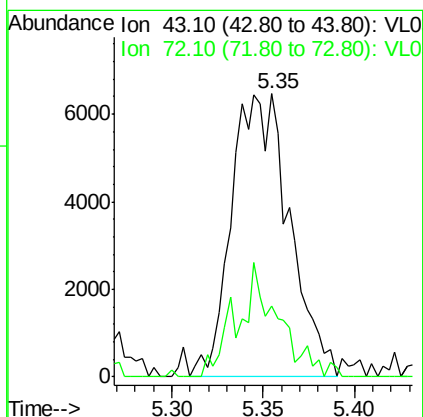
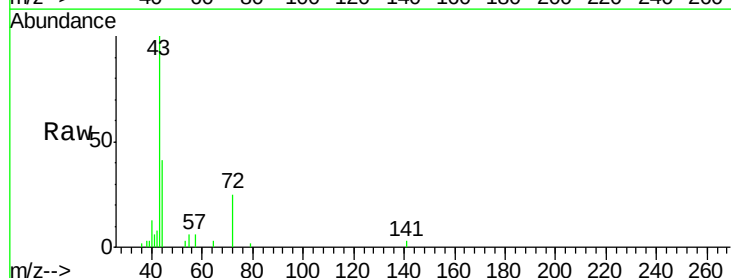
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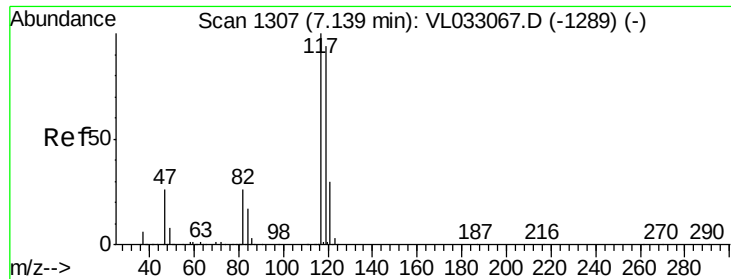
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#34
 2-Butanone
 Concen: 0.111 ppbv m
 RT: 5.35 min Scan# 752
 Delta R.T. 0.02 min
 Lab File: VL033081.D
 Acq: 4 Jan 2019 23:41

Tgt Ion	Ratio	Lower	Upper
43	100		
72	29.4	18.9	28.3





#35

Carbon Tetrachloride

Concen: 0.079 ppbv m

RT: 7.14 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VL033081.D

Acq: 4 Jan 2019 23:41

Instrument :

MSVOA_L

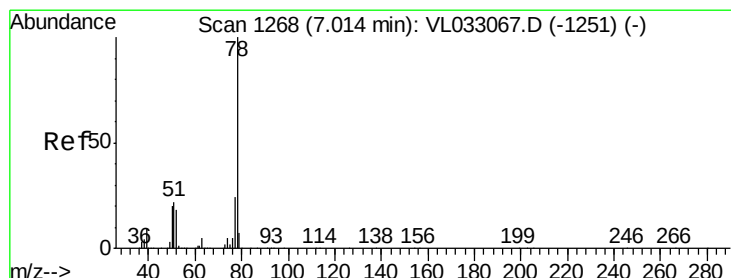
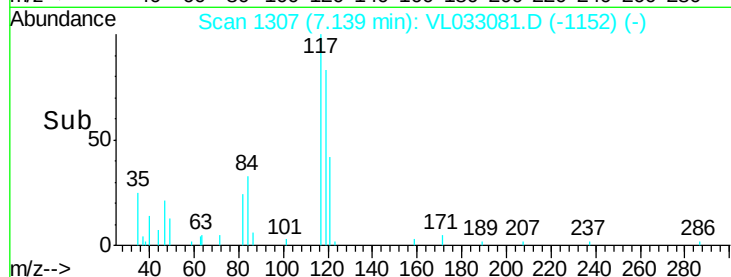
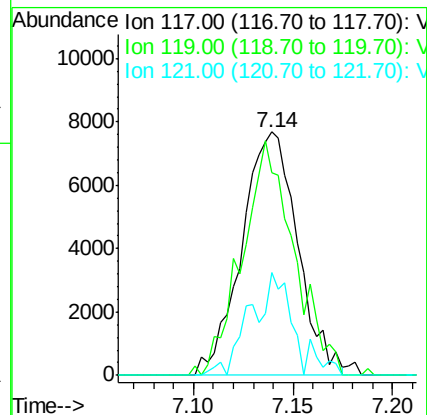
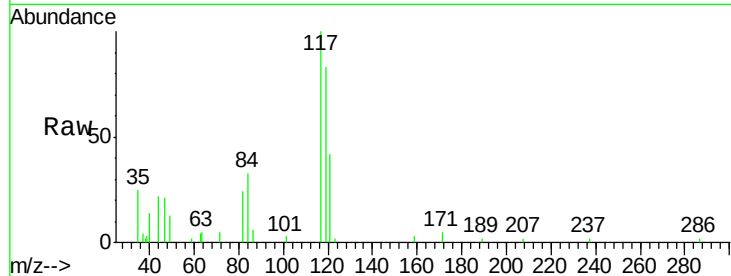
ClientSampleId :

SVI-IA1D-2018-12-19DUP

Tot Ion	Ion	Ratio	Lower	Upper
117	100			
119	83.1	76.5	114.7	
121	42.3	25.2	37.8#	

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#36

Benzene

Concen: 0.115 ppbv

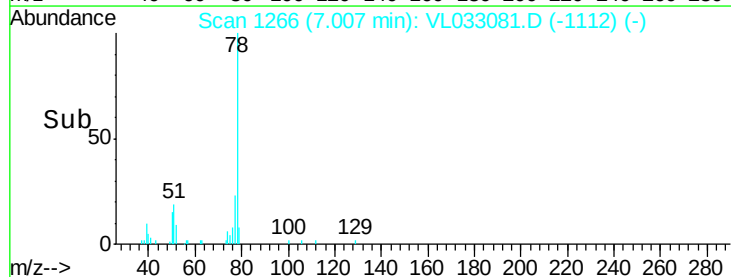
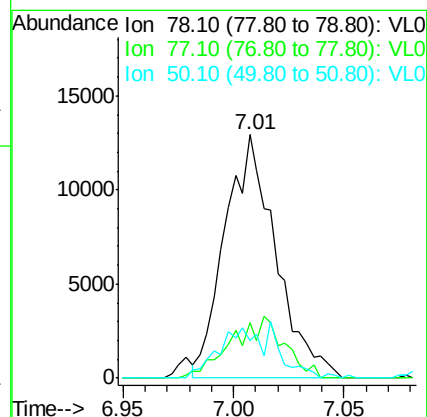
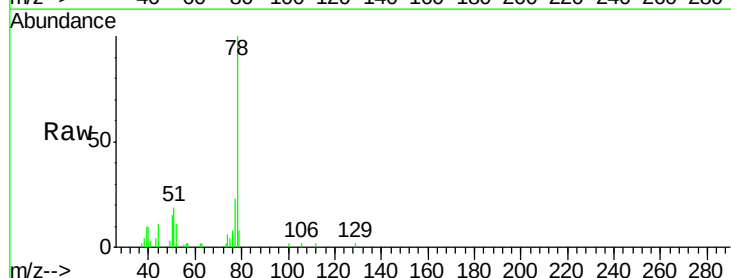
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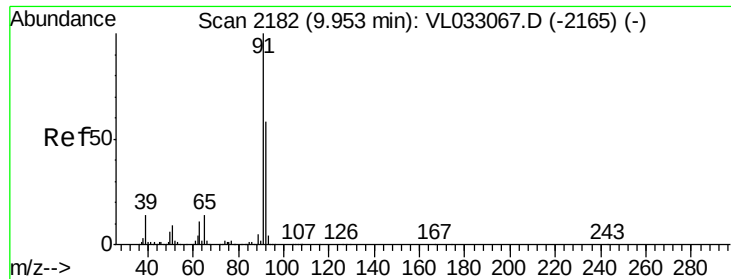
Delta R.T. -0.00 min

Lab File: VL033081.D

Acq: 4 Jan 2019 23:41

Tgt Ion	Ion	Ratio	Lower	Upper
78	100			
77	22.6	18.5	27.7	
50	15.3	15.7	23.5#	





#53

Toluene

Concen: 1.456 ppbv

RT: 9.95 min Scan# 2182

Delta R.T. -0.00 min

Lab File: VL033081.D

Acq: 4 Jan 2019 23:41

Instrument :

MSVOA_L

ClientSampleId :

SVI-IA1D-2018-12-19DUP

Tot Ion: 91 Resp: 280490

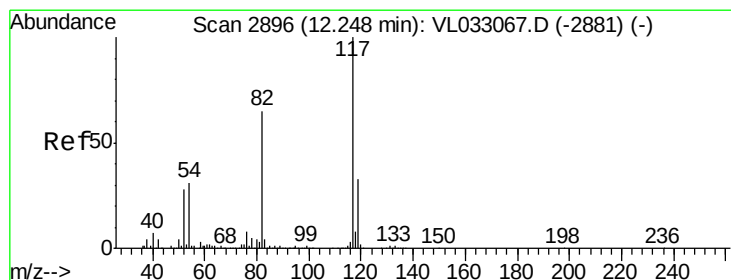
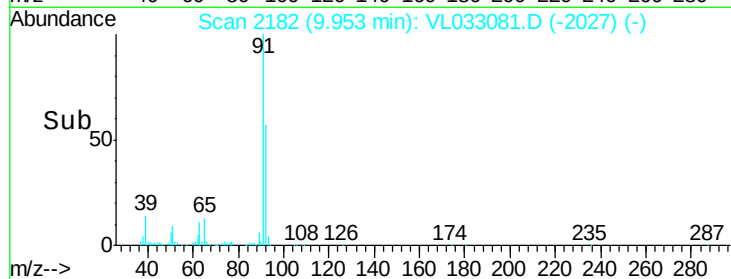
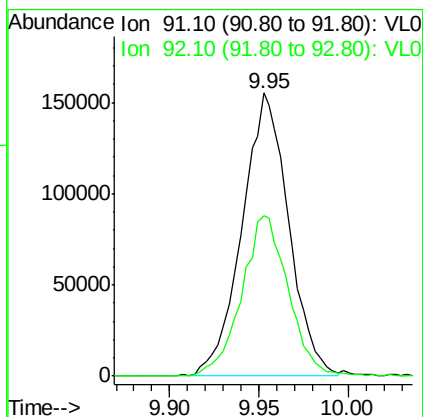
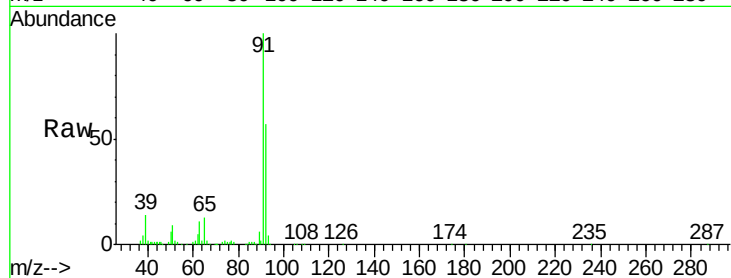
Ion Ratio Lower Upper

91 100

92 57.5 47.7 71.5

Manual Integrations
APPROVED

MMDadoda
1/8/2019 12:01:32 AM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2895

Delta R.T. -0.00 min

Lab File: VL033081.D

Acq: 4 Jan 2019 23:41

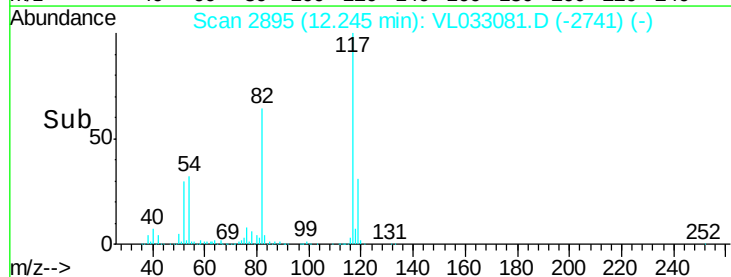
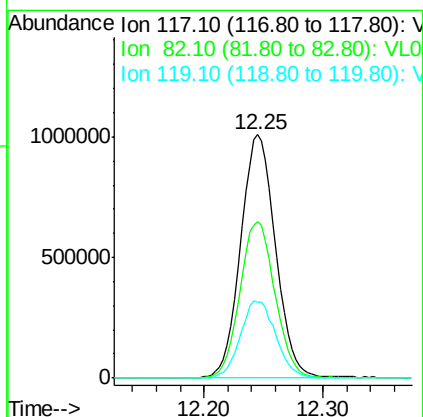
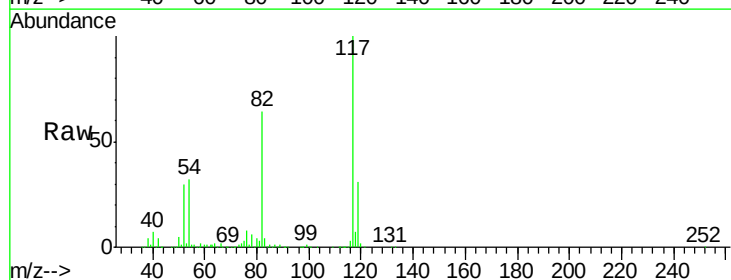
Tgt Ion: 117 Resp: 2044976

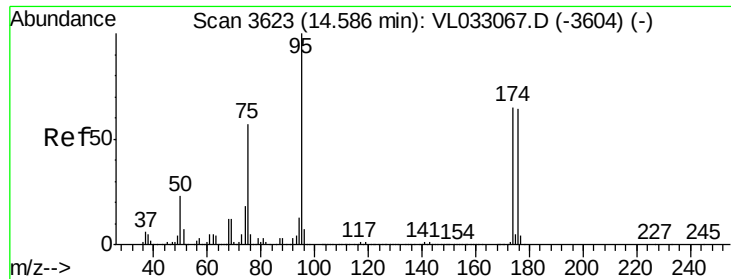
Ion Ratio Lower Upper

117 100

82 65.2 48.9 73.3

119 32.6 24.6 37.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.913 ppbv
 RT: 14.58 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VL033081.D
 Acq: 4 Jan 2019 23:41

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

Tot Ion	Ion	Ratio	Lower	Upper
95	100			
174	65.0	51.9	77.9	
175	4.7	3.9	5.9	

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 12:01:32 AM

