

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL010419\
 Data File : VL033079.D
 Acq On : 4 Jan 2019 22:22
 Operator : SY/AP
 Sample : J6594-03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

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

Manual Integrations
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 1/8/2019 12:01:29 AM

Quant Time: Jan 05 03:06:58 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	961914	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2190454	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1994700	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.58	95	1517219	9.92	ppbv	0.00	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	108419	0.606	ppbv	94
3) Chlorodifluoromethane	3.01	51	33303m	0.306	ppbv	
4) Chloromethane	3.17	50	35756	0.573	ppbv	98
9) Propene	3.06	41	47542m	1.169	ppbv	
11) Trichlorofluoromethane	4.01	101	51718	0.261	ppbv	93
13) Ethanol	3.66	45	129770m	8.000	ppbv	
15) Acetone	3.91	43	322922	2.425	ppbv	95
20) Methylene Chloride	4.41	84	201255	3.626	ppbv	94
26) Hexane	5.79	57	62591	0.591	ppbv #	46
34) 2-Butanone	5.34	43	13194	0.104	ppbv	99
35) Carbon Tetrachloride	7.13	117	14458	0.077	ppbv	89
36) Benzene	7.01	78	20593m	0.115	ppbv	
53) Toluene	9.96	91	278032	1.446	ppbv	99

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

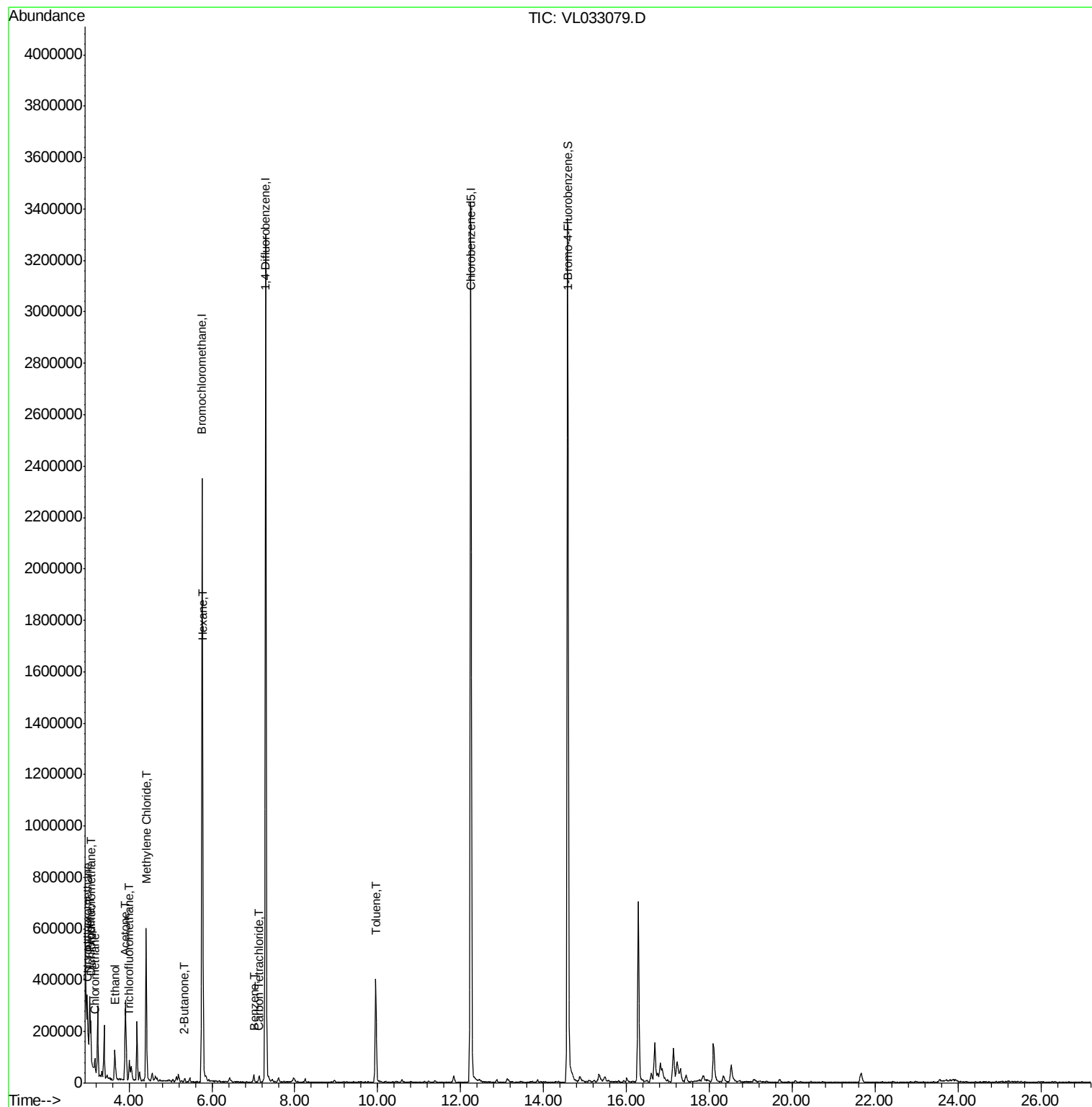
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL010419\
Data File : VL033079.D
Acq On : 4 Jan 2019 22:22
Operator : SY/AP
Sample : J6594-03
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

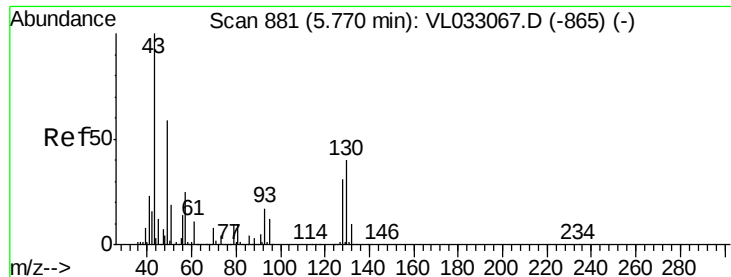
Instrument :
MSVOA_L
ClientSampleId :
SVI-IA1D-2018-12-19

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1/8/2019 12:01:29 AM

Quant Time: Jan 05 03:06:58 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: VL033079.D

Acq: 4 Jan 2019 22:22

Instrument :

MSVOA_L

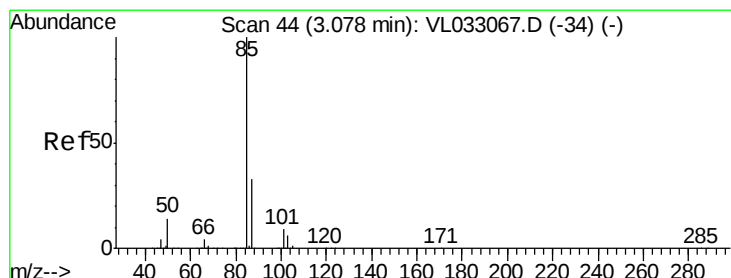
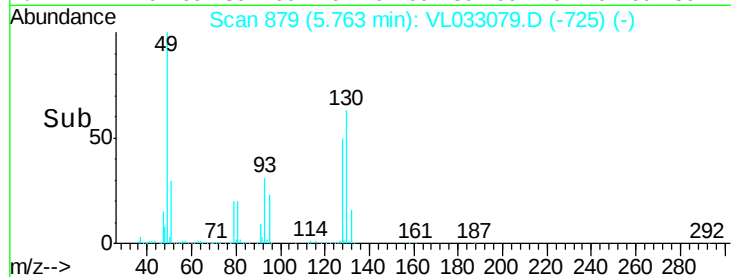
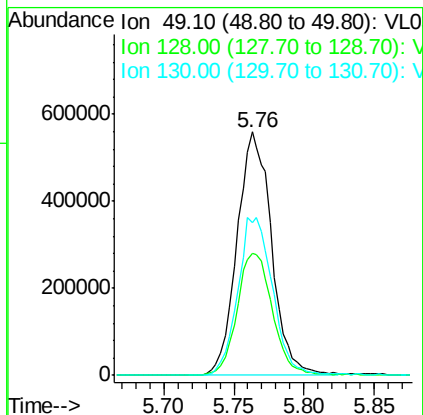
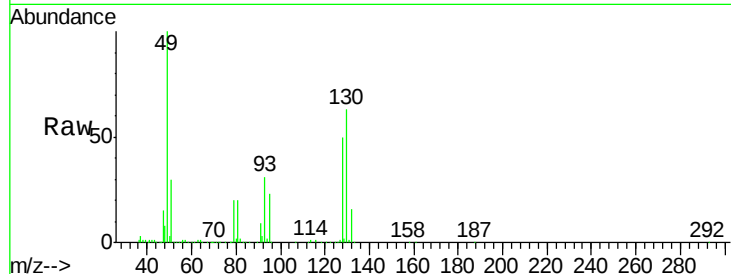
ClientSampleId :

SVI-IA1D-2018-12-19

Tot Ion:	49	Resp:	961914
Ion	Ratio	Lower	Upper
49	100		
128	52.0	26.2	78.5
130	66.0	33.6	100.6

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#2

Dichlorodifluoromethane

Concen: 0.606 ppbv

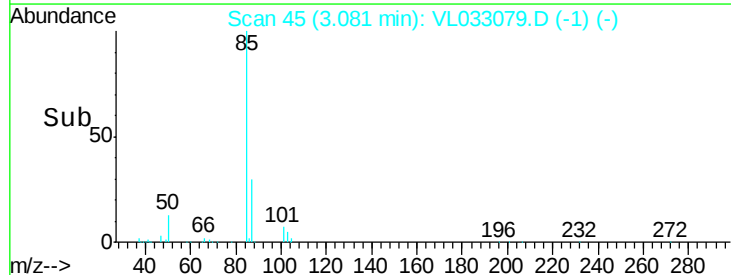
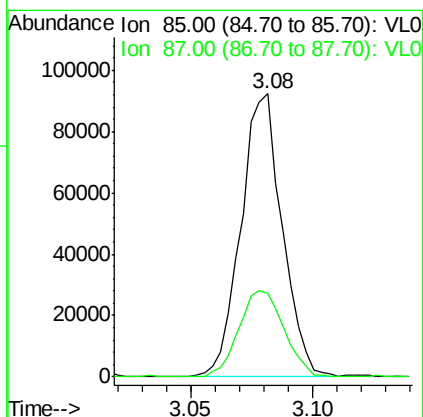
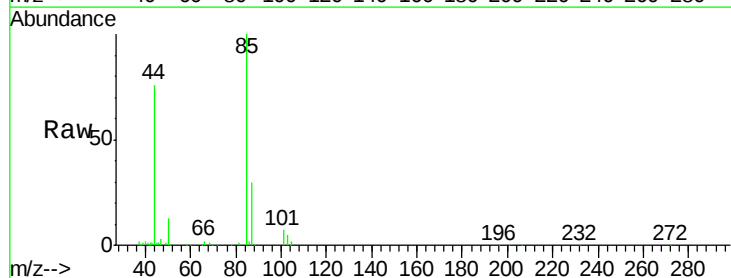
RT: 3.08 min Scan# 45

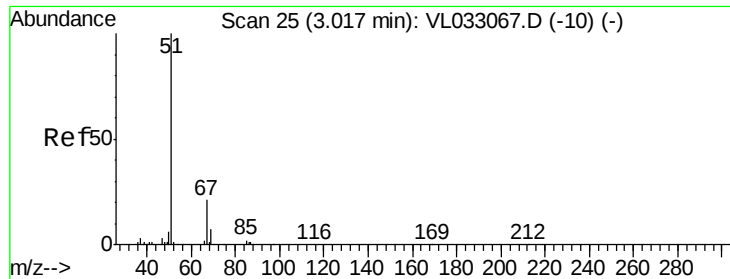
Delta R.T. 0.00 min

Lab File: VL033079.D

Acq: 4 Jan 2019 22:22

Tgt Ion:	85	Resp:	108419
Ion	Ratio	Lower	Upper
85	100		
87	29.8	26.3	39.5





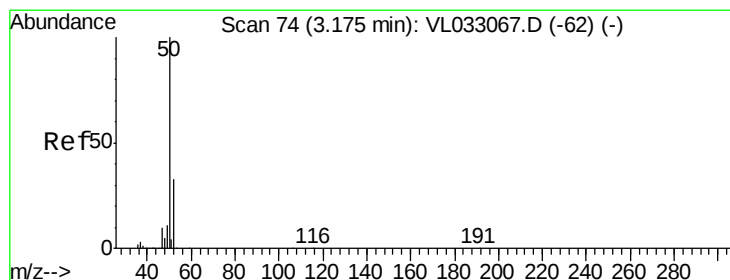
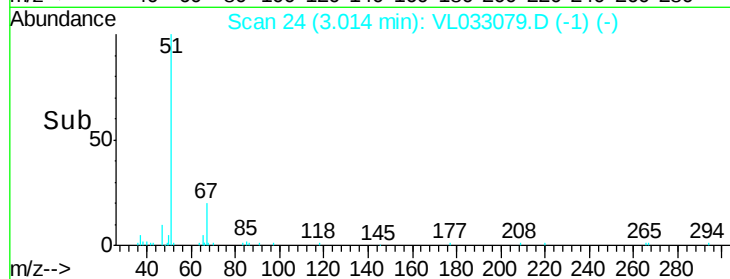
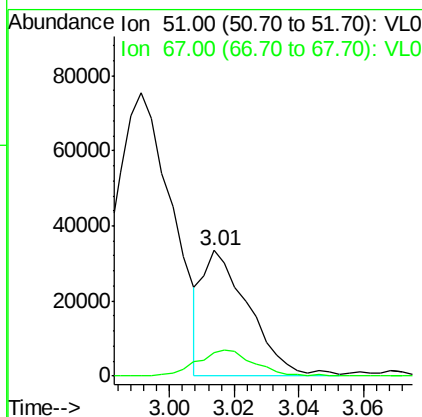
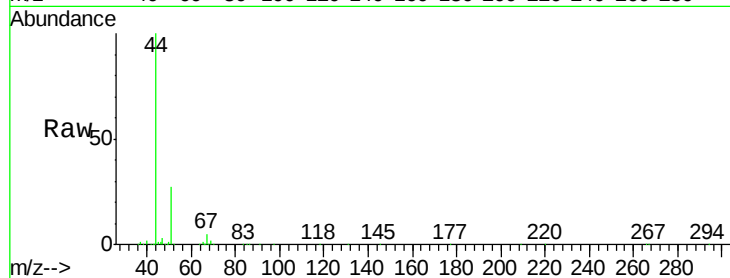
#3
Chlorodifluoromethane
Concen: 0.306 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033079.D
Acq: 4 Jan 2019 22:22

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

Tot Ion: 51 Resp: 33303
Ion Ratio Lower Upper
51 100
67 25.4 16.3 24.5#

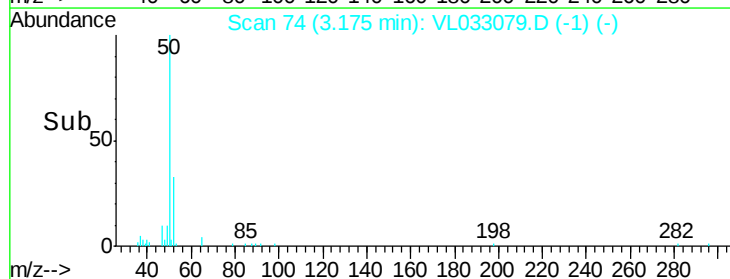
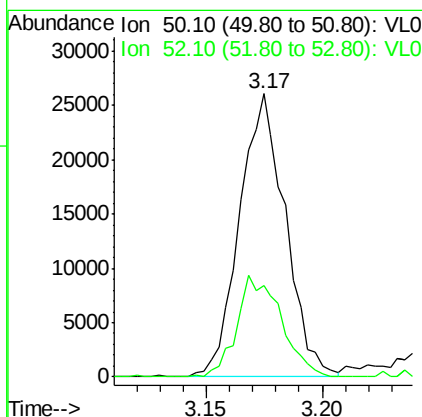
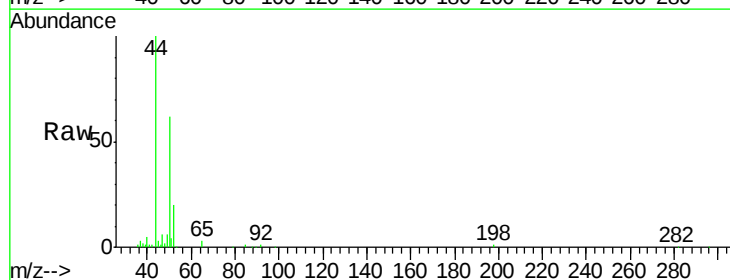
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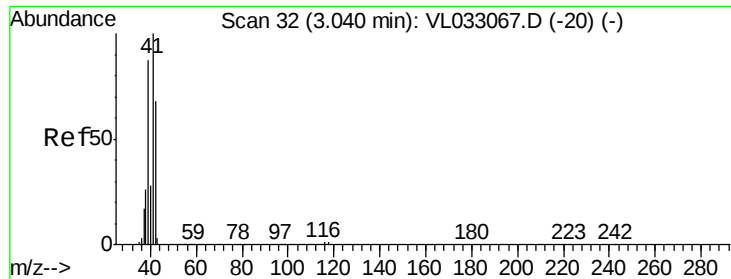
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#4
Chloromethane
Concen: 0.573 ppbv
RT: 3.17 min Scan# 74
Delta R.T. 0.00 min
Lab File: VL033079.D
Acq: 4 Jan 2019 22:22

Tgt Ion: 50 Resp: 35756
Ion Ratio Lower Upper
50 100
52 32.5 26.9 40.3





#9

Propene

Concen: 1.169 ppbv m

RT: 3.06 min Scan# 37

Delta R.T. 0.02 min

Lab File: VL033079.D

Acq: 4 Jan 2019 22:22

Instrument :

MSVOA_L

ClientSampleId :

SVI-IA1D-2018-12-19

Tot Ion: 41 Resp: 47542

Ion Ratio Lower Upper

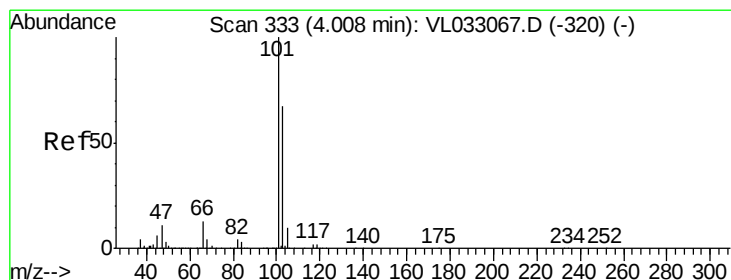
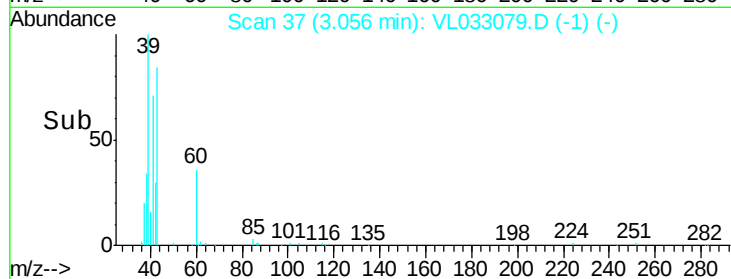
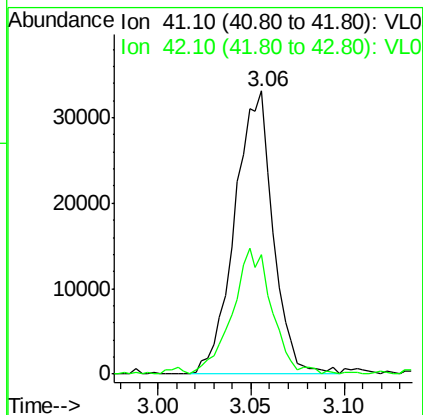
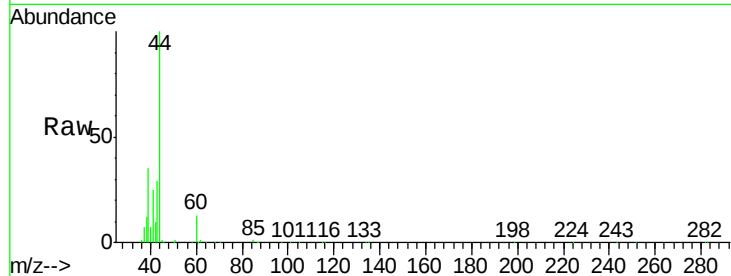
41 100

42 60.1 55.3 82.9

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#11

Trichlorofluoromethane

Concen: 0.261 ppbv

RT: 4.01 min Scan# 333

Delta R.T. 0.00 min

Lab File: VL033079.D

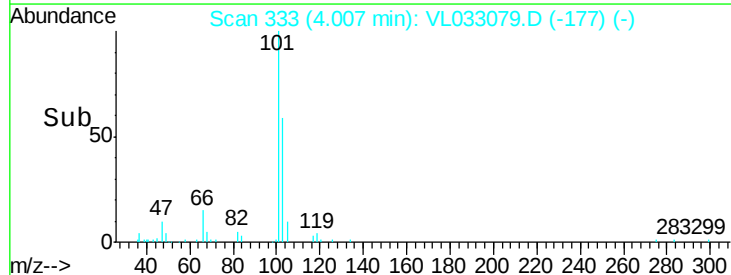
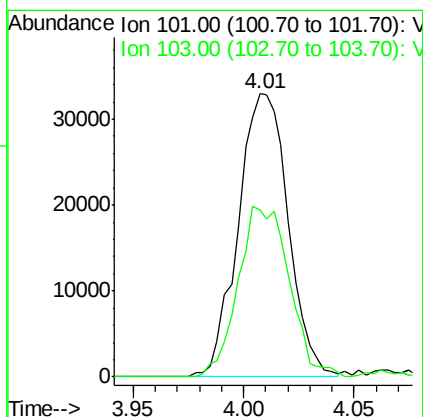
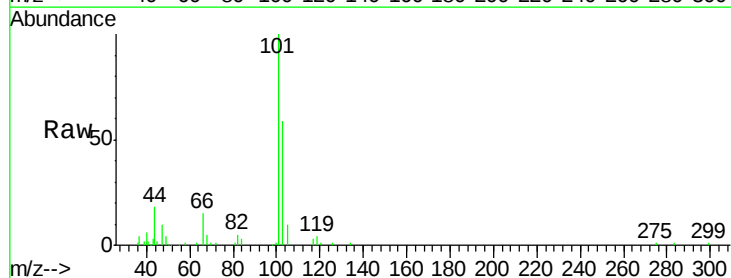
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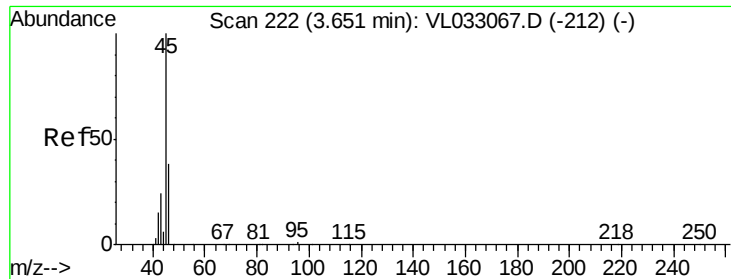
Tgt Ion: 101 Resp: 51718

Ion Ratio Lower Upper

101 100

103 59.2 51.7 77.5





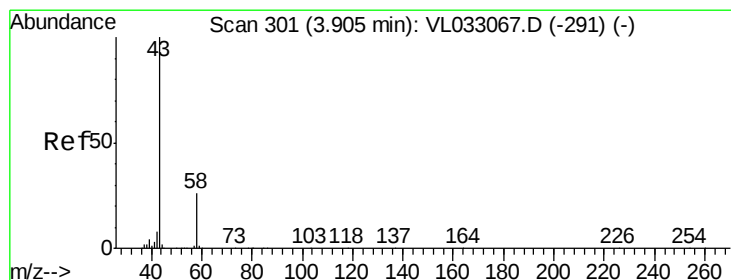
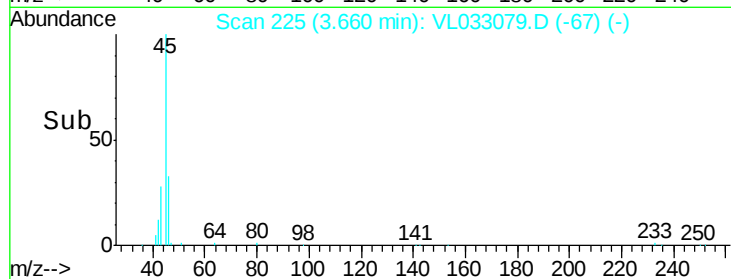
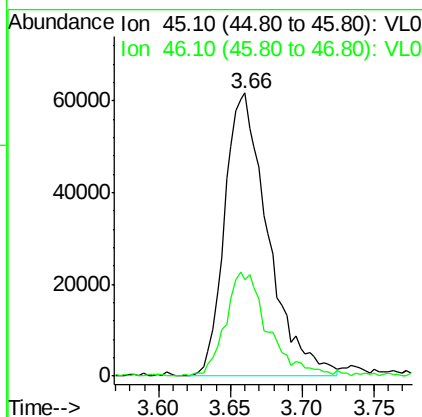
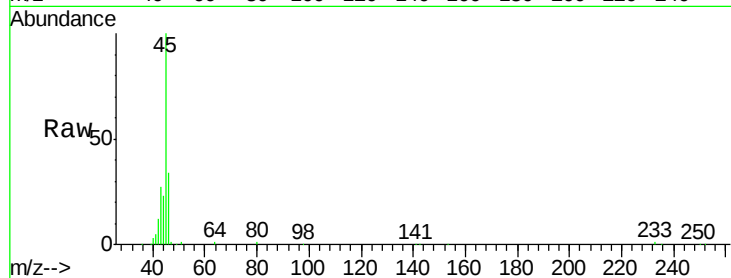
#13
Ethanol
Concen: 8.000 ppbv m
RT: 3.66 min Scan# 225
Delta R.T. 0.01 min
Lab File: VL033079.D
Acq: 4 Jan 2019 22:22

Instrument :
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ClientSampleId :
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Tot Ion: 45 Resp: 129770
Ion Ratio Lower Upper
45 100
46 36.7 13.8 55.2

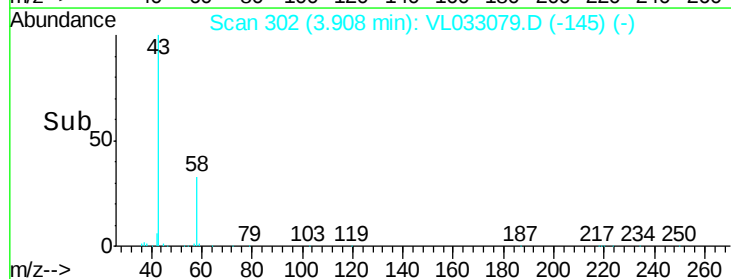
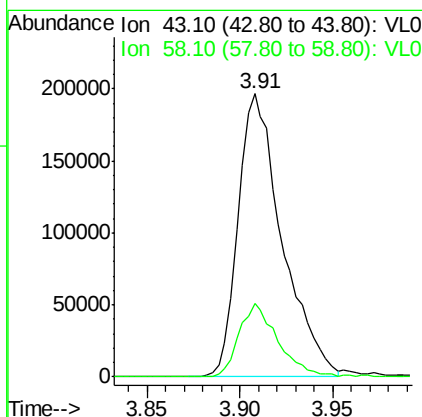
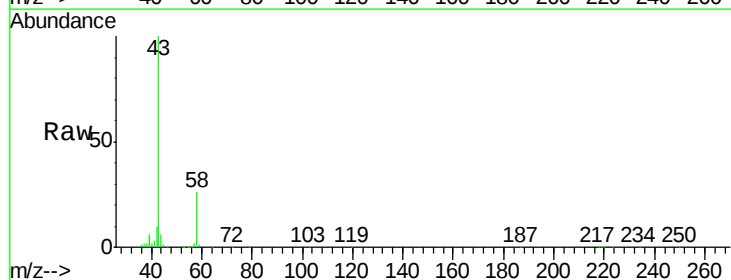
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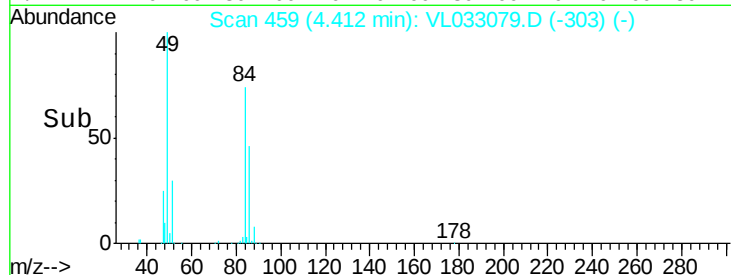
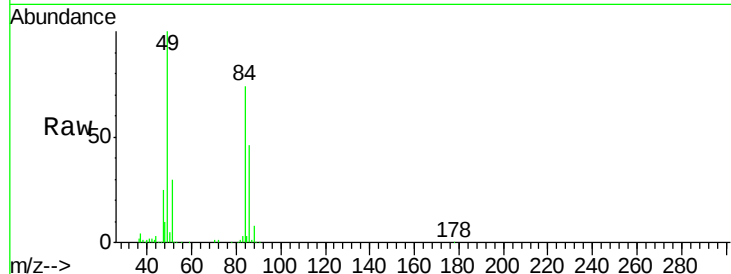
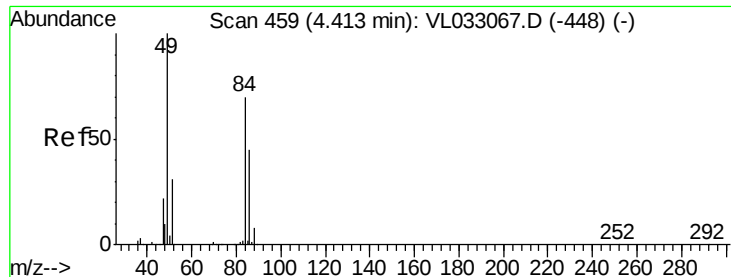
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#15
Acetone
Concen: 2.425 ppbv
RT: 3.91 min Scan# 302
Delta R.T. 0.01 min
Lab File: VL033079.D
Acq: 4 Jan 2019 22:22

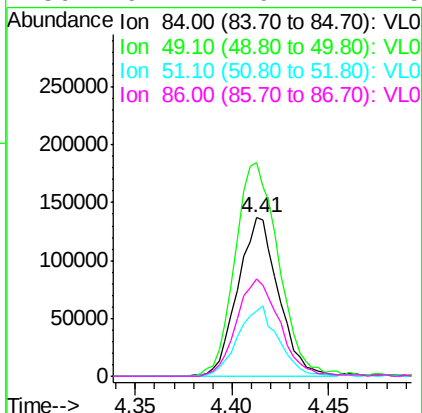
Tgt Ion: 43 Resp: 322922
Ion Ratio Lower Upper
43 100
58 23.8 21.1 31.7





#20
Methvlene Chloride
Concen: 3.626 ppbv
RT: 4.41 min Scan# 459
Delta R.T. 0.00 min
Lab File: VL033079.D
Acq: 4 Jan 2019 22:22

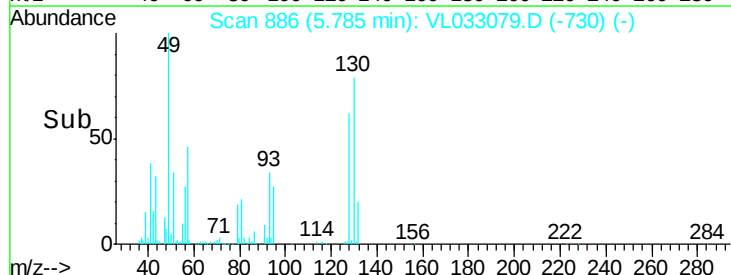
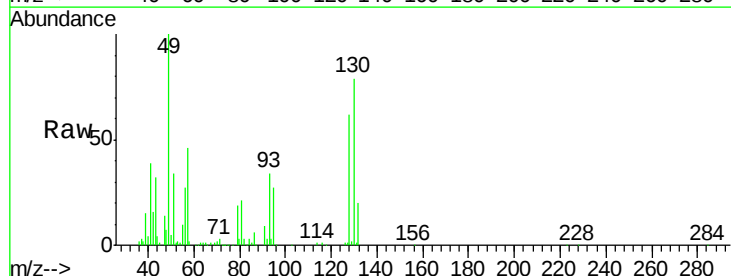
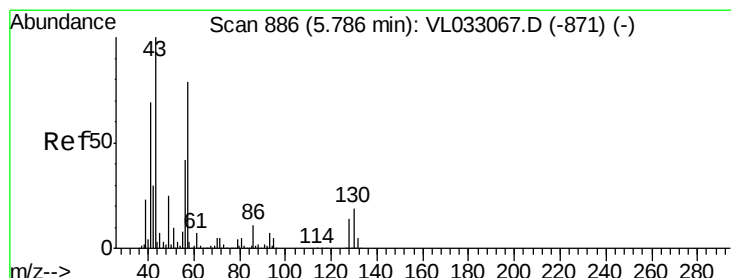
Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	134.8	115.8	173.6	
51	41.1	35.7	53.5	
86	61.7	49.7	74.5	



Instrument :
MSVOA_L
ClientSampleId :
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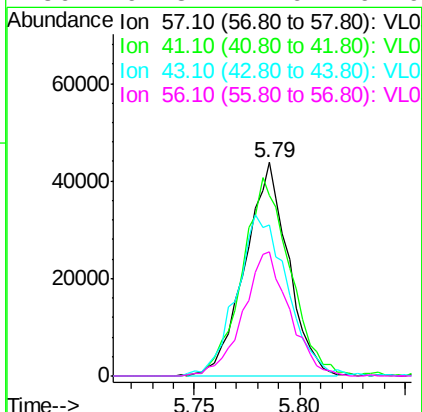
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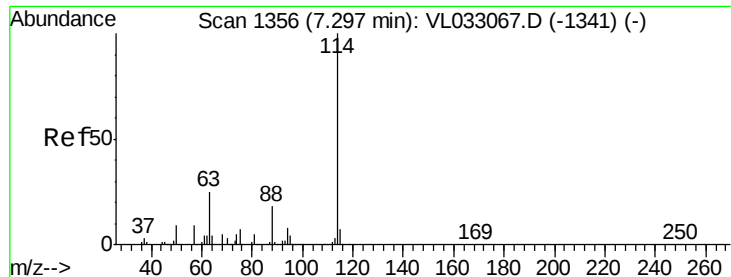
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#26
Hexane
Concen: 0.591 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.00 min
Lab File: VL033079.D
Acq: 4 Jan 2019 22:22

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	103.0	70.8	106.2	
43	88.9	171.8	257.6	
56	61.8	41.9	62.9	





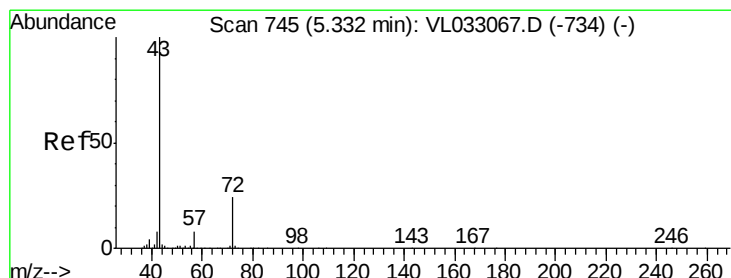
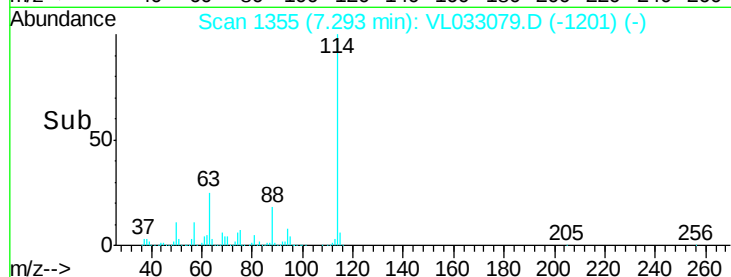
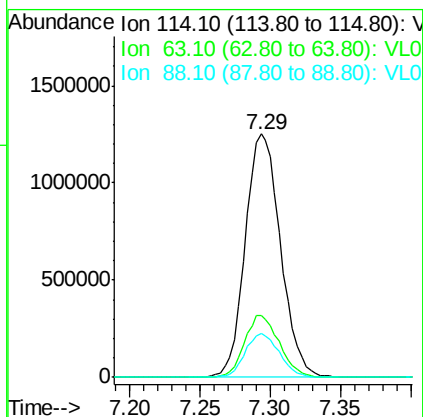
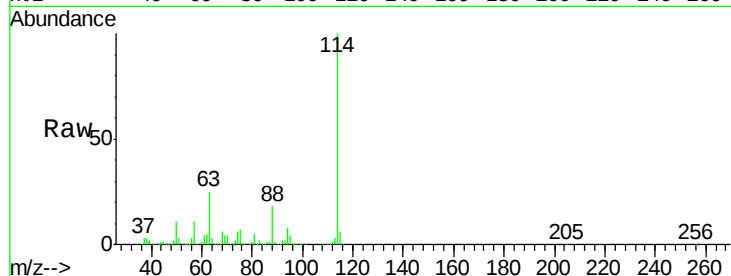
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.00 min
 Lab File: VL033079.D
 Acq: 4 Jan 2019 22:22

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

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.3	20.1	30.1
88	17.7	14.0	21.0

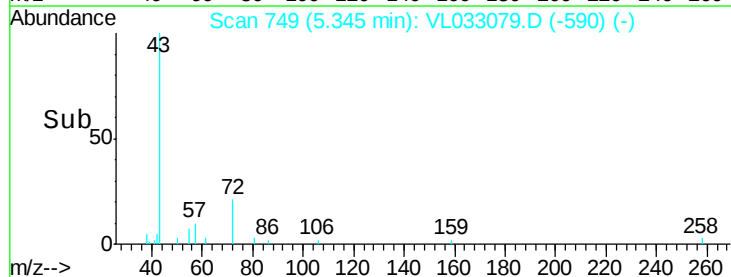
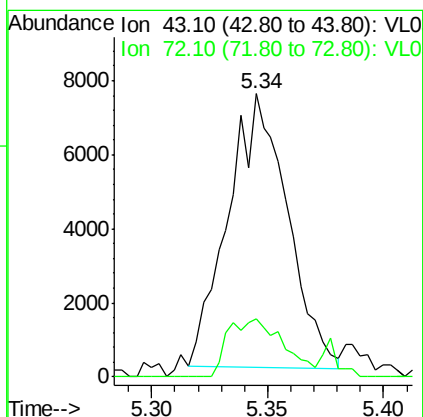
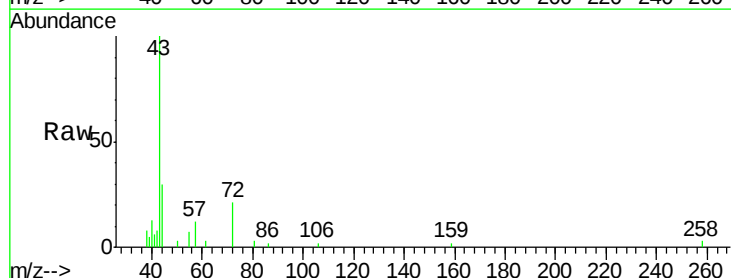
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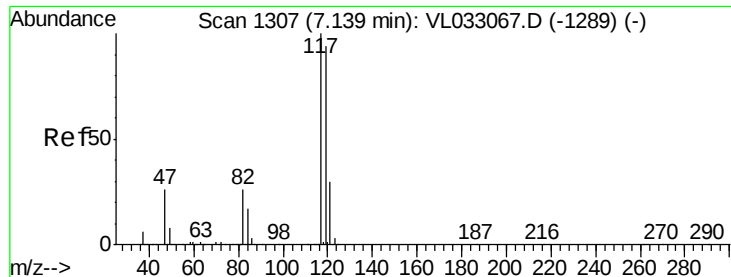
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#34
 2-Butanone
 Concen: 0.104 ppbv
 RT: 5.34 min Scan# 749
 Delta R.T. 0.01 min
 Lab File: VL033079.D
 Acq: 4 Jan 2019 22:22

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.2	18.9	28.3





#35

Carbon Tetrachloride

Concen: 0.077 ppbv

RT: 7.13 min Scan# 1305

Delta R.T. -0.01 min

Lab File: VL033079.D

Acq: 4 Jan 2019 22:22

Instrument :

MSVOA_L

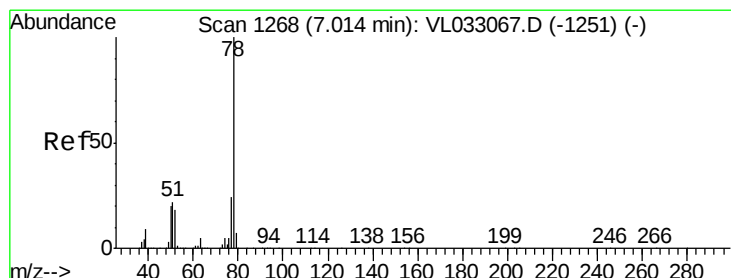
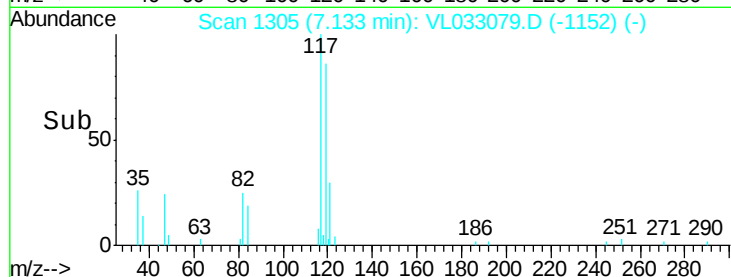
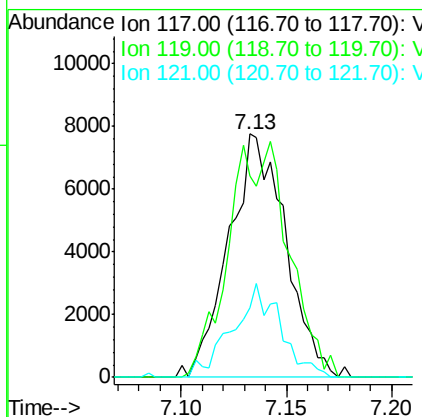
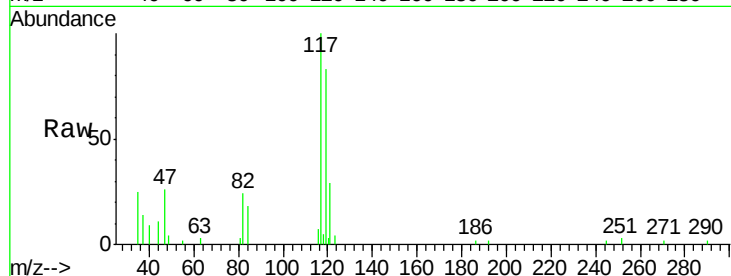
ClientSampleId :

SVI-IA1D-2018-12-19

Tot Ion:	117	Resp:	14458
Ion	Ratio	Lower	Upper
117	100		
119	82.7	76.5	114.7
121	28.8	25.2	37.8

Manual Integrations
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#36

Benzene

Concen: 0.115 ppbv m

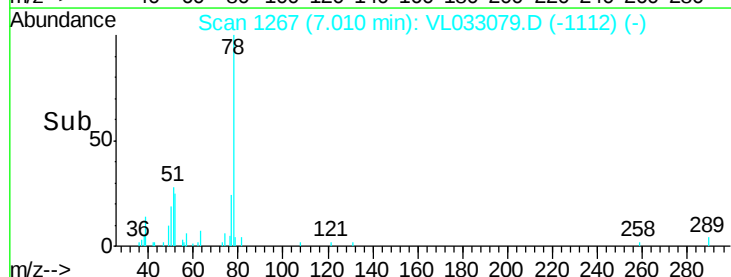
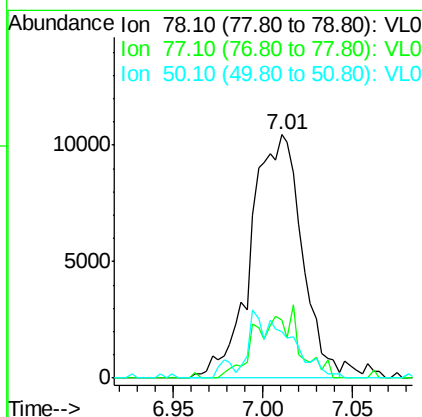
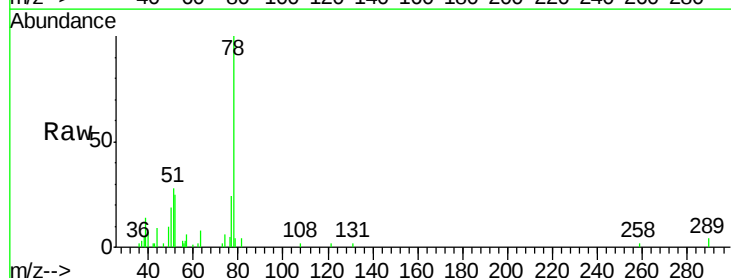
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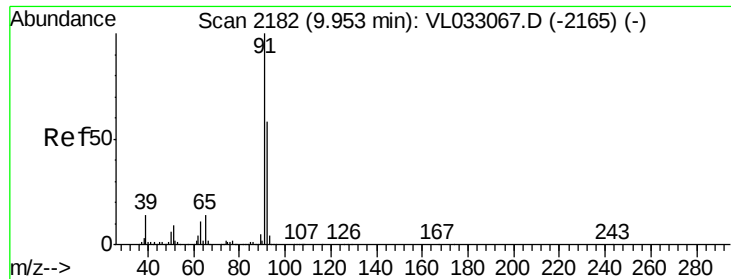
Delta R.T. -0.00 min

Lab File: VL033079.D

Acq: 4 Jan 2019 22:22

Tgt Ion:	78	Resp:	20593
Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.5	27.7
50	19.4	15.7	23.5





#53

Toluene

Concen: 1.446 ppbv

RT: 9.96 min Scan# 2183

Delta R.T. 0.00 min

Lab File: VL033079.D

Acq: 4 Jan 2019 22:22

Instrument :

MSVOA_L

ClientSampleId :

SVI-IA1D-2018-12-19

Tot Ion: 91 Resp: 278032

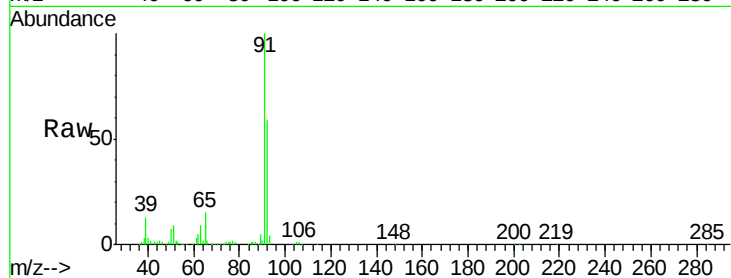
Ion Ratio Lower Upper

91 100

92 58.9 47.7 71.5

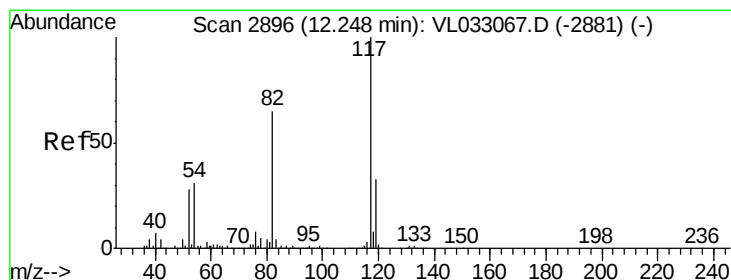
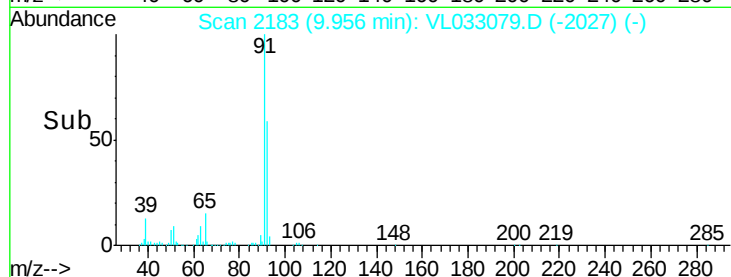
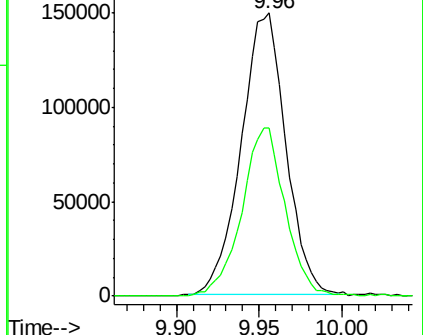
Manual Integrations
APPROVED

MMDadoda
1/8/2019 12:01:29 AM



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# 2895

Delta R.T. -0.00 min

Lab File: VL033079.D

Acq: 4 Jan 2019 22:22

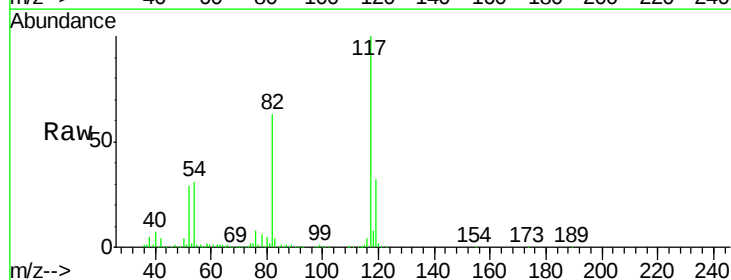
Tgt Ion: 117 Resp: 1994700

Ion Ratio Lower Upper

117 100

82 66.0 48.9 73.3

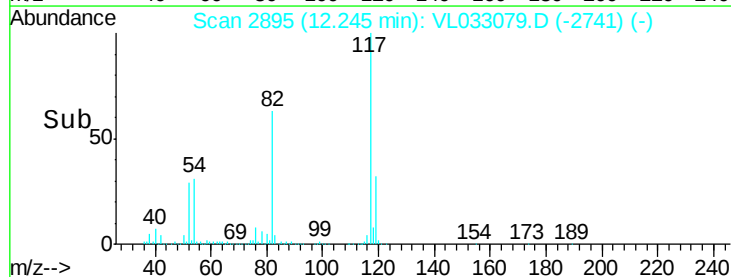
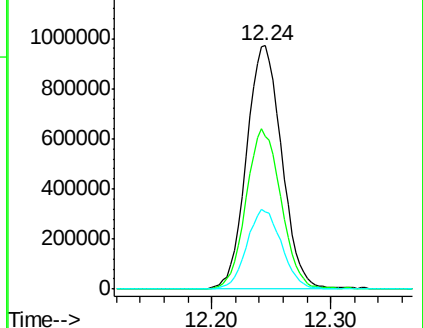
119 32.6 24.6 37.0

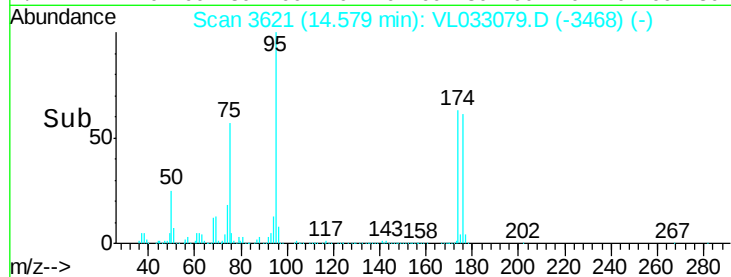
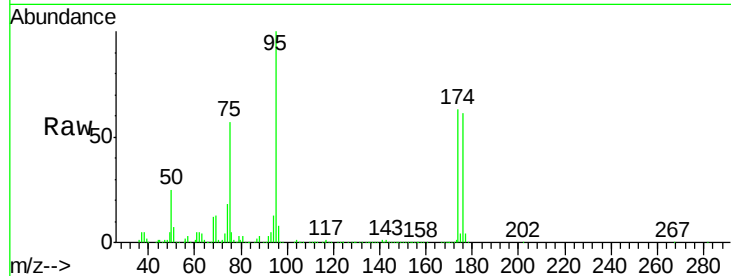
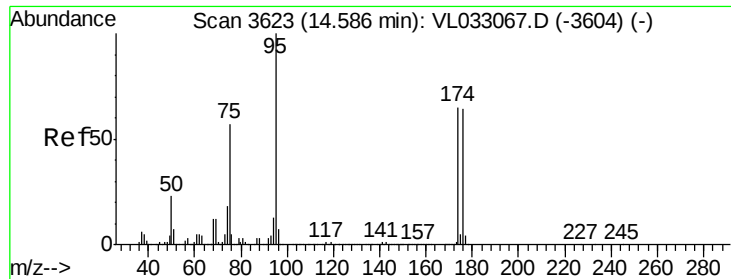


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.923 ppbv

RT: 14.58 min Scan# 3621

Delta R.T. -0.01 min

Lab File: VL033079.D

Acq: 4 Jan 2019 22:22

Tot Ion: 95 Resp: 1517219

Ion Ratio Lower Upper

95 100

174 64.1 51.9 77.9

175 4.7 3.9 5.9

Instrument :

MSVOA_L

ClientSampleId :

SVI-IA1D-2018-12-19

Manual Integrations
APPROVED

MMDadoda
1/8/2019 12:01:29 AM

