

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101419\
 Data File : VL034284.D
 Acq On : 14 Oct 2019 16:38
 Operator : SY/AP
 Sample : K5353-02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:59:23 AM

Quant Time: Oct 15 07:21:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 18 2019
 QLast Update : Wed Sep 18 12:53:31 2019
 Response via : Initial Calibration

Internal Standards			R.T.	QIon	Response	Conc	Units	Dev(Min)

1)	Bromochloromethane		5.69	49	939362	10.00	ppbv	-0.01
33)	1,4-Difluorobenzene		7.21	114	1582727	10.00	ppbv	-0.02
55)	Chlorobenzene-d5		12.15	117	1548076	10.00	ppbv	-0.02
System Monitoring Compounds								
68)	1-Bromo-4-Fluorobenzene		14.49	95	1376703	10.23	ppbv	-0.02
Spiked Amount		10.000	Range	65 - 135		Recovery	= 102.30%	
Target Compounds								
								Ovalue
2)	Dichlorodifluoromethane		3.03	85	126129	0.909	ppbv	91
3)	Chlorodifluoromethane		2.97	51	175793m	1.596	ppbv	
4)	Chloromethane		3.12	50	45025	0.696	ppbv	91
9)	Propene		3.00	41	26691m	0.491	ppbv	
11)	Trichlorofluoromethane		3.95	101	113540	0.899	ppbv	96
13)	Ethanol		3.60	45	1189552	90.402	ppbv	98
15)	Acetone		3.85	43	391858	3.112	ppbv	97
20)	Methylene Chloride		4.35	84	14118	0.389	ppbv #	80

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

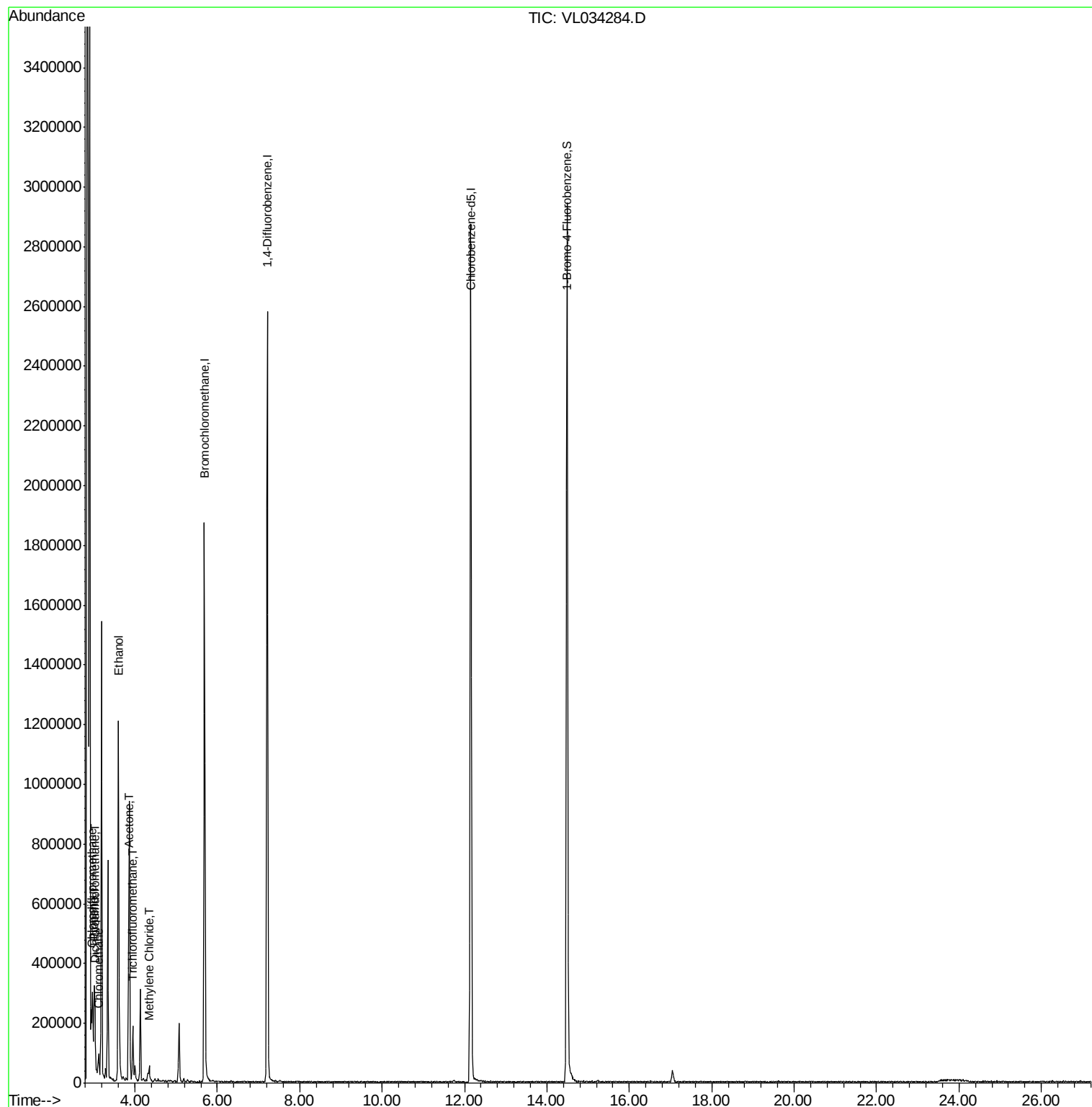
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL101419\
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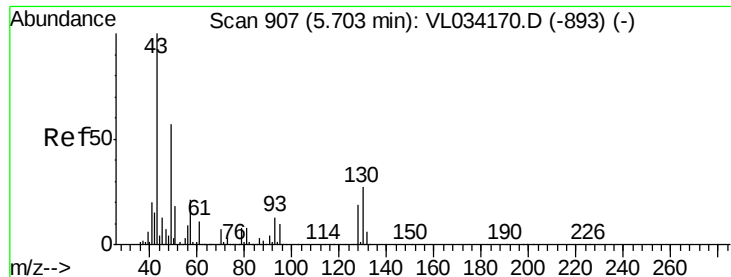
Instrument :
MSVOA_L
ClientSampleId :
IA-1

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QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 903

Delta R.T. -0.01 min

Lab File: VL034284.D

Acq: 14 Oct 2019 16:38

Instrument :

MSVOA_L

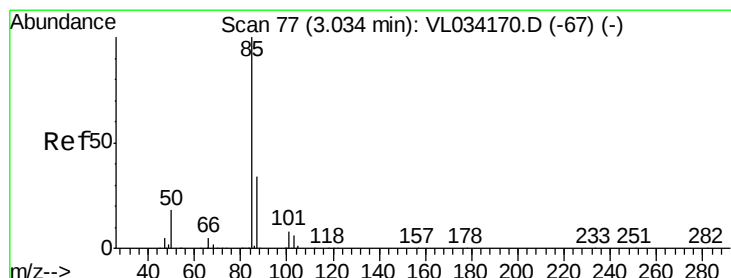
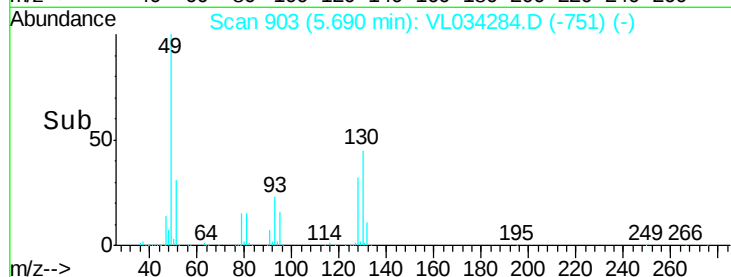
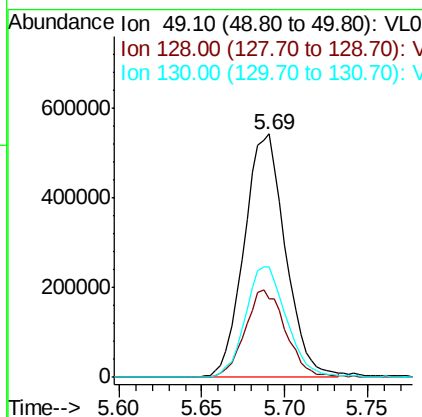
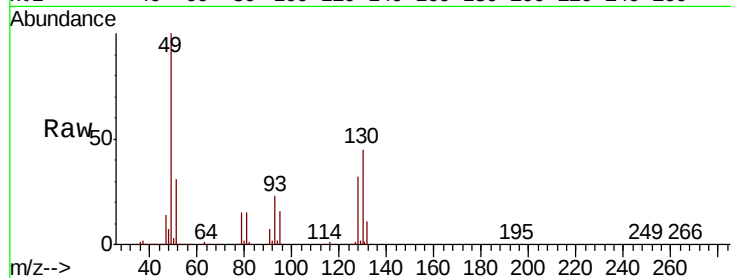
ClientSampled :

IA-1

Tot Ion:	49	Resp:	939362
Ion	Ratio	Lower	Upper
49	100		
128	35.6	17.6	52.9
130	46.0	22.3	66.9

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#2

Dichlorodifluoromethane

Concen: 0.909 ppbv

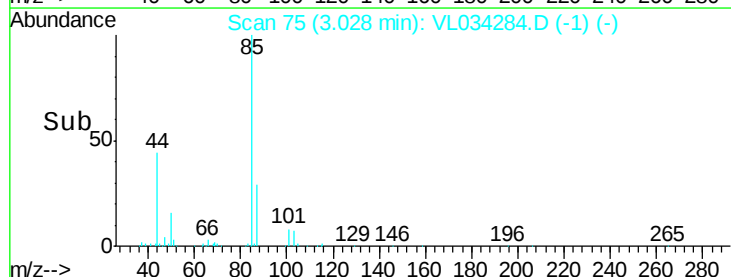
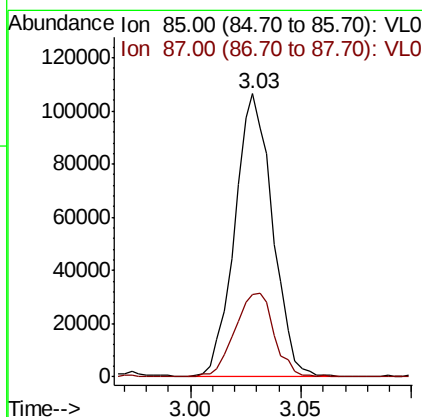
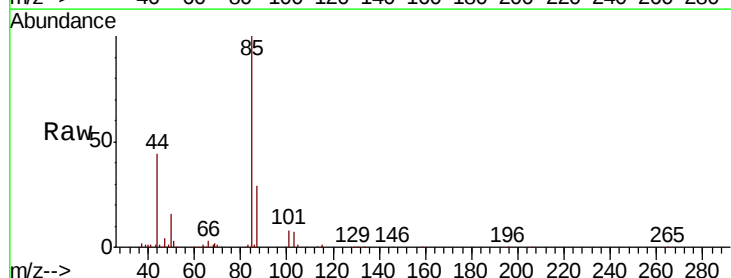
RT: 3.03 min Scan# 75

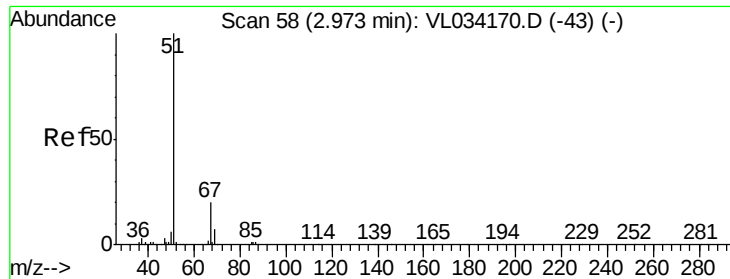
Delta R.T. -0.01 min

Lab File: VL034284.D

Acq: 14 Oct 2019 16:38

Tgt Ion:	85	Resp:	126129
Ion	Ratio	Lower	Upper
85	100		
87	29.0	27.2	40.8





#3

Chlorodifluoromethane

Concen: 1.596 ppbv m

RT: 2.97 min Scan# 56

Delta R.T. -0.01 min

Lab File: VL034284.D

Acq: 14 Oct 2019 16:38

Instrument :

MSVOA_L

ClientSampled :

IA-1

Tot Ion: 51 Resp: 175793

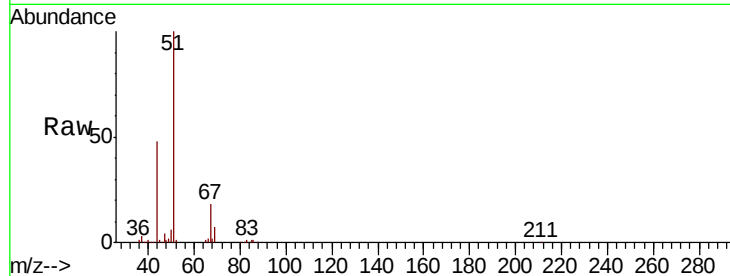
Ion Ratio Lower Upper

51 100

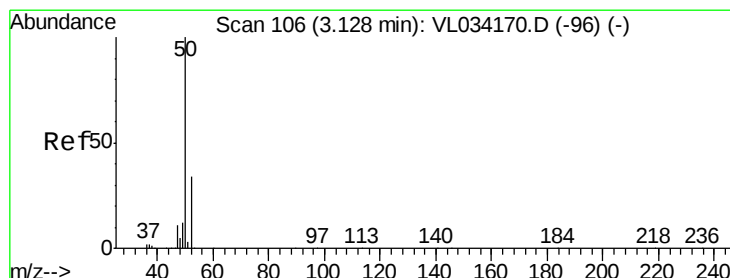
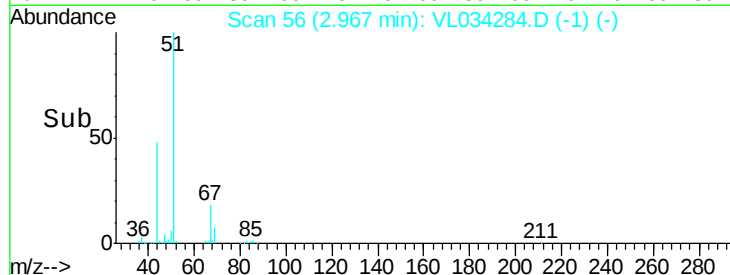
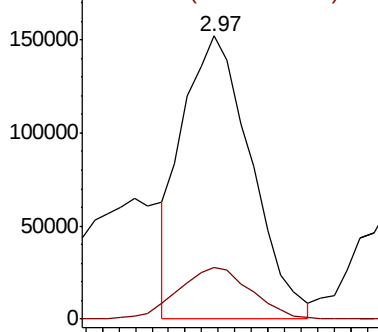
67 19.6 14.8 22.2

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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: 0.696 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.01 min

Lab File: VL034284.D

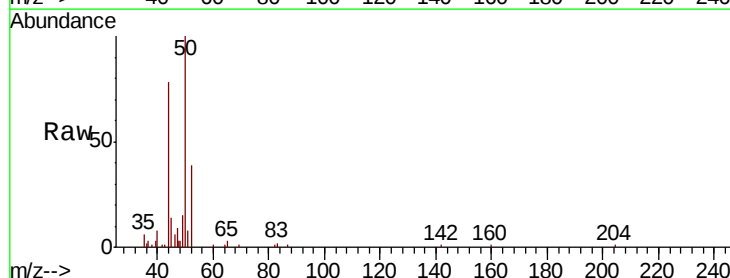
Acq: 14 Oct 2019 16:38

Tgt Ion: 50 Resp: 45025

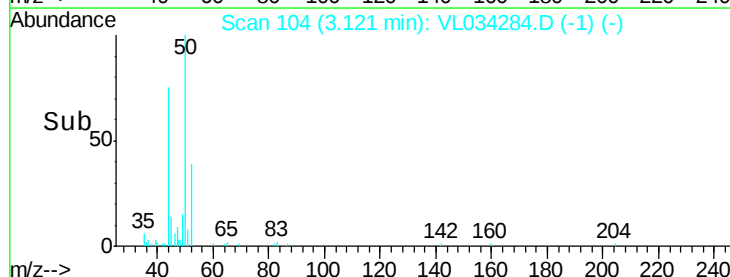
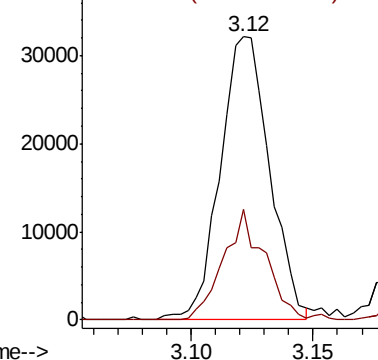
Ion Ratio Lower Upper

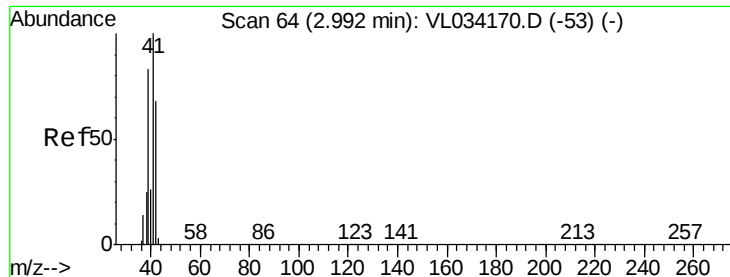
50 100

52 39.1 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.491 ppbv m

RT: 3.00 min Scan# 67

Delta R.T. 0.01 min

Lab File: VL034284.D

Acq: 14 Oct 2019 16:38

Instrument :

MSVOA_L

ClientSampled :

IA-1

Tot Ion: 41 Resp: 26691

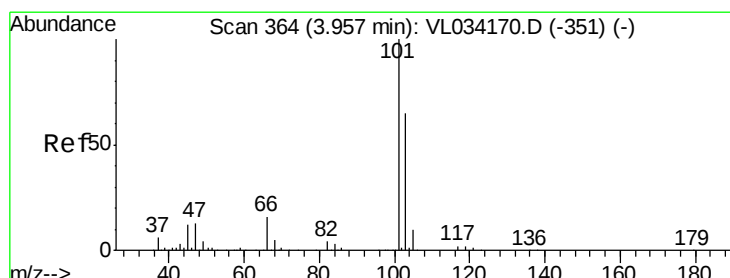
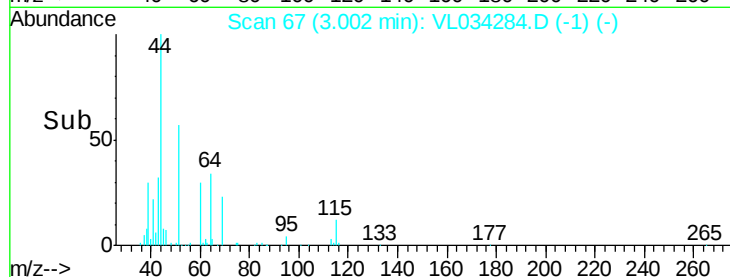
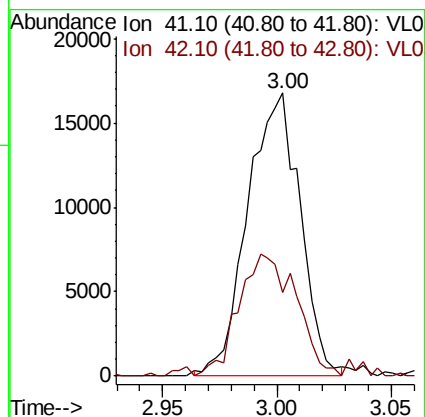
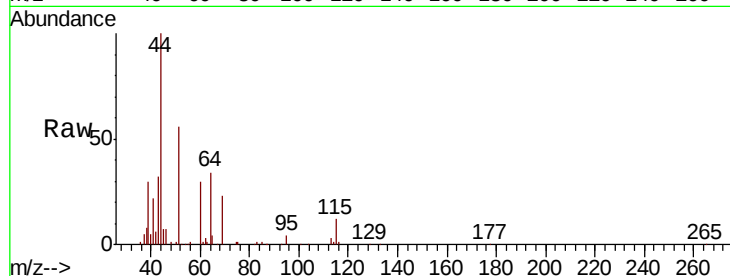
Ion Ratio Lower Upper

41 100

42 943.2 55.8 83.6#

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#11

Trichlorofluoromethane

Concen: 0.899 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.01 min

Lab File: VL034284.D

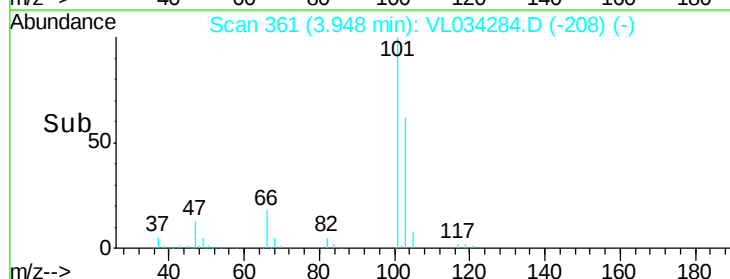
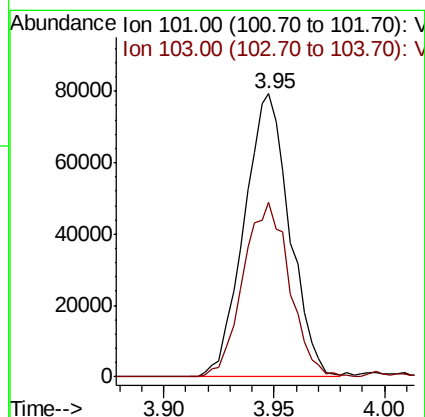
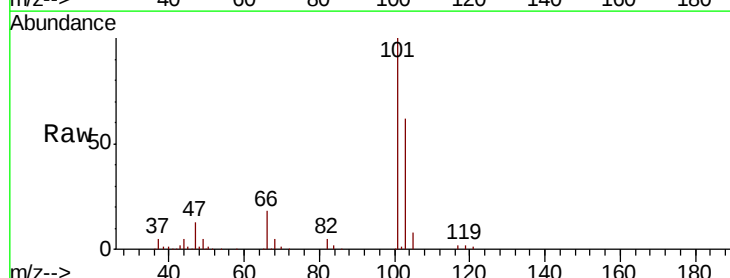
Acq: 14 Oct 2019 16:38

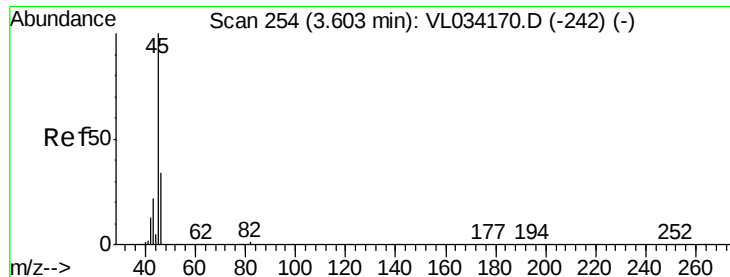
Tgt Ion: 101 Resp: 113540

Ion Ratio Lower Upper

101 100

103 61.8 52.1 78.1





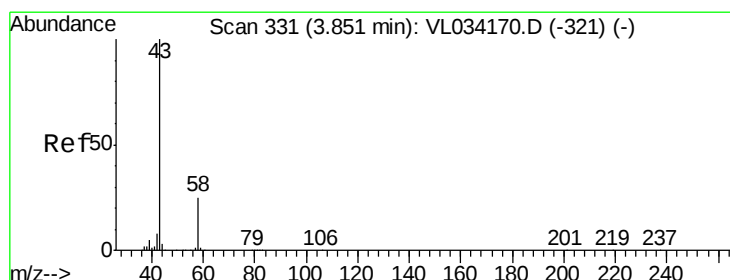
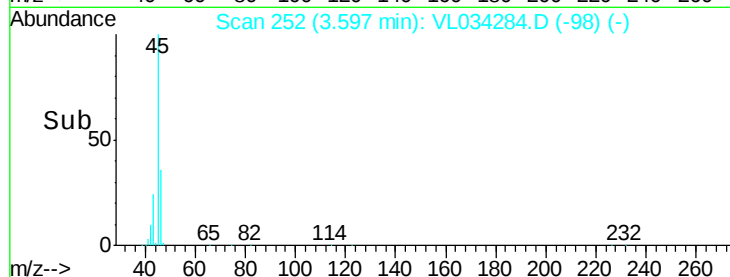
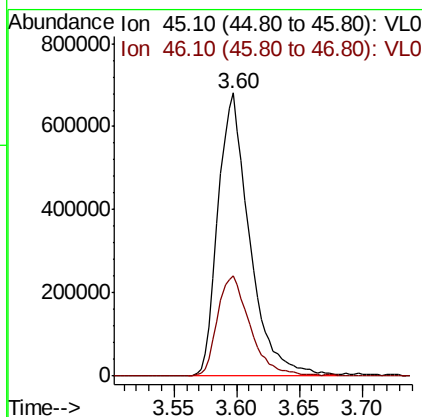
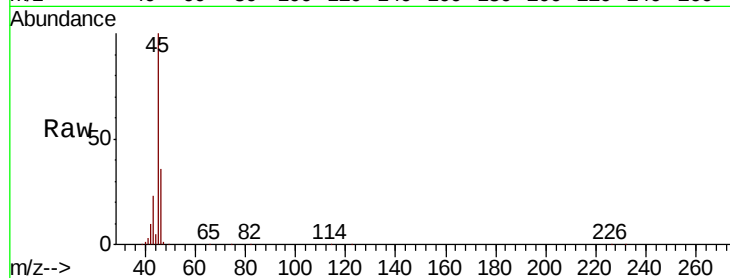
#13
Ethanol
Concen: 90.402 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.01 min
Lab File: VL034284.D
Acq: 14 Oct 2019 16:38

Instrument :
MSVOA_L
ClientSampled :
IA-1

Tot Ion: 45 Resp: 1189552
Ion Ratio Lower Upper
45 100
46 37.3 15.5 61.9

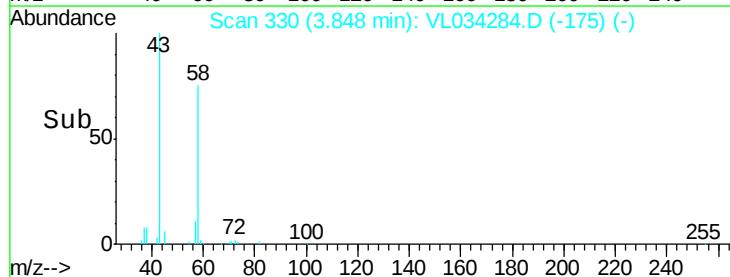
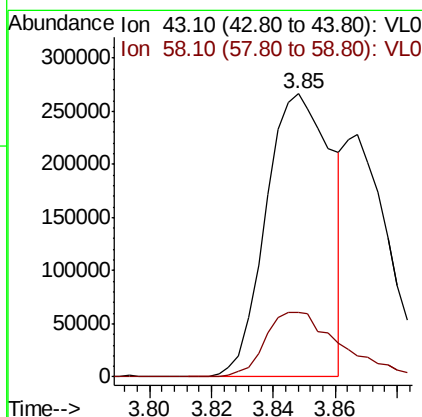
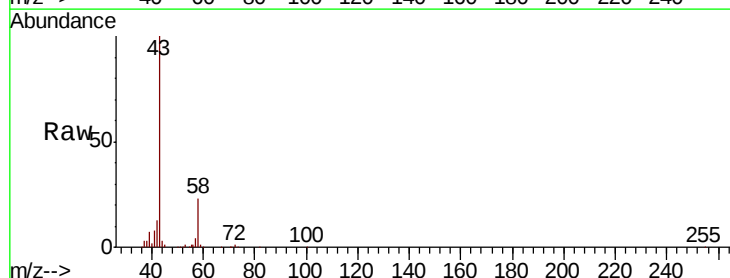
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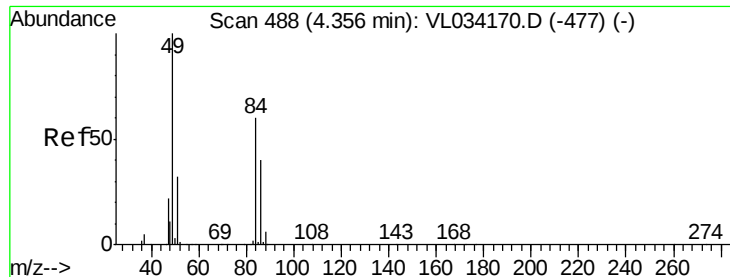
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#15
Acetone
Concen: 3.112 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL034284.D
Acq: 14 Oct 2019 16:38

Tgt Ion: 43 Resp: 391858
Ion Ratio Lower Upper
43 100
58 27.2 20.5 30.7





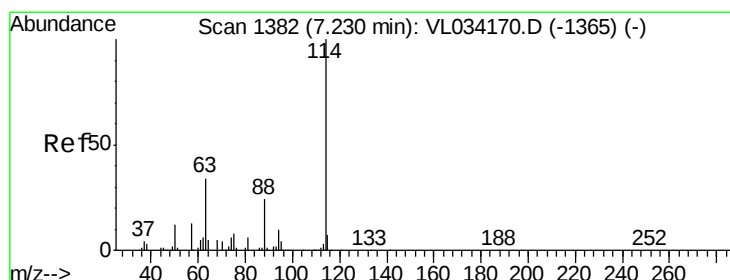
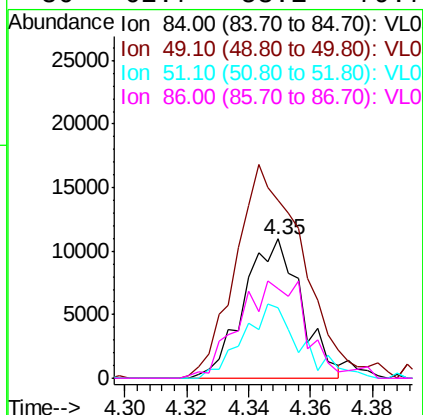
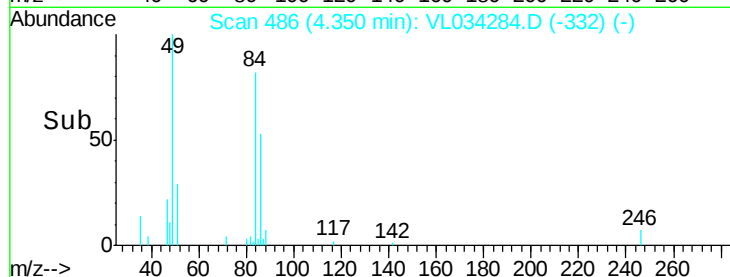
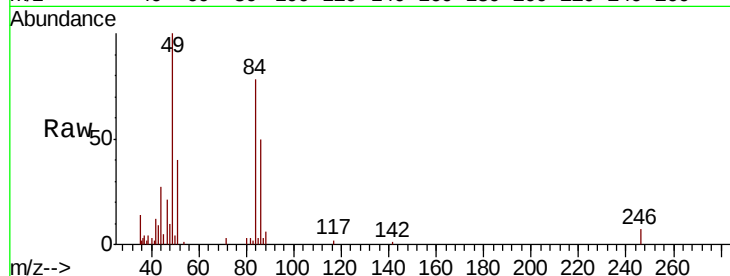
#20
Methylene Chloride
Concen: 0.389 ppbv
RT: 4.35 min Scan# 486
Delta R.T. -0.01 min
Lab File: VL034284.D
Acq: 14 Oct 2019 16:38

Instrument :
MSVOA_L
ClientSampled :
IA-1

Tot Ion	84	Resp	14118
Ion Ratio	Lower	Upper	
84	100		
49	125.3	133.8	200.8#
51	51.0	43.6	65.4
86	62.7	53.1	79.7

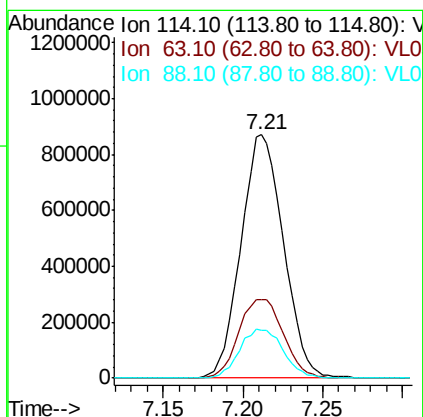
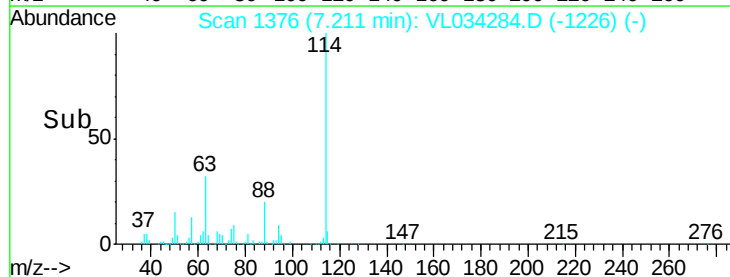
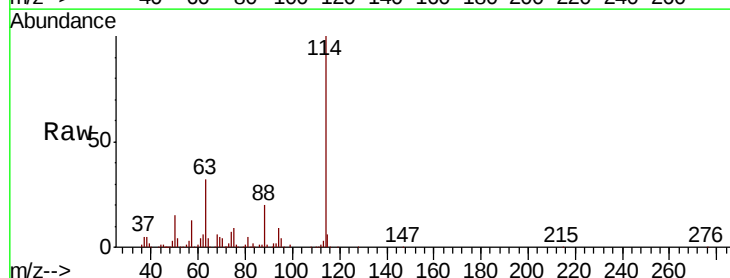
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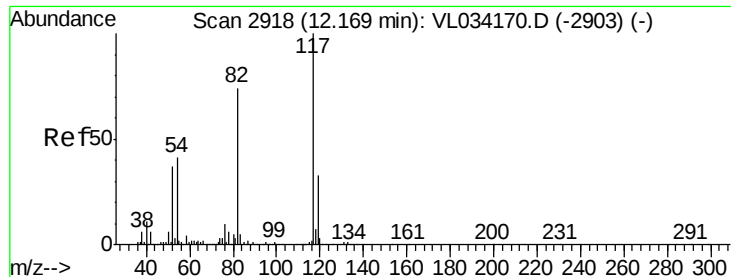
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1376
Delta R.T. -0.02 min
Lab File: VL034284.D
Acq: 14 Oct 2019 16:38

Tgt Ion	114	Resp	1582727
Ion Ratio	Lower	Upper	
114	100		
63	34.2	27.8	41.6
88	20.7	17.1	25.7





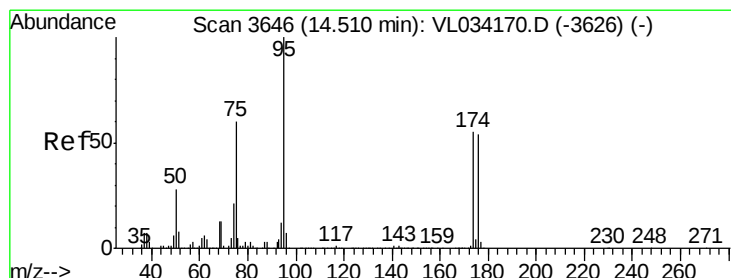
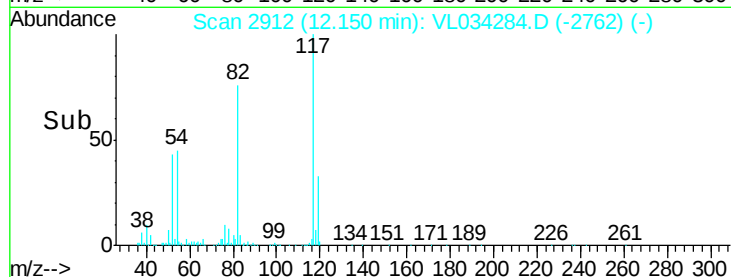
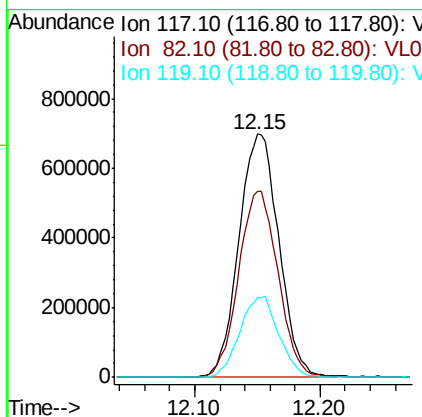
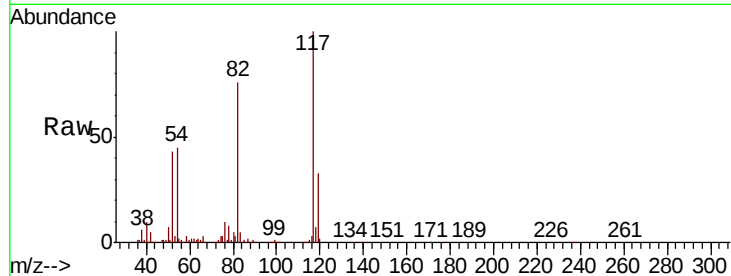
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.02 min
Lab File: VL034284.D
Acq: 14 Oct 2019 16:38

Instrument :
MSVOA_L
ClientSampled :
IA-1

Tot Ion:117 Resp: 1548076
Ion Ratio Lower Upper
117 100
82 76.3 58.2 87.4
119 32.4 23.7 35.5

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.234 ppbv
RT: 14.49 min Scan# 3639
Delta R.T. -0.02 min
Lab File: VL034284.D
Acq: 14 Oct 2019 16:38

Tgt Ion: 95 Resp: 1376703
Ion Ratio Lower Upper
95 100
174 54.0 45.1 67.7
175 4.1 3.3 4.9

