

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021920\
 Data File : VL034658.D
 Acq On : 19 Feb 2020 23:41
 Operator : SY/AP
 Sample : L1553-05
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2

Manual Integrations
 APPROVED

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 2/21/2020 3:24:26 PM

Quant Time: Feb 21 10:33:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 2020
 QLast Update : Thu Jan 30 17:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	767354	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	1607223	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.10	117	1624780	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1392914	10.14	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	35776m	0.212	ppbv	
3) Chlorodifluoromethane	2.95	51	28373m	0.306	ppbv	
4) Chloromethane	3.10	50	37462	0.660	ppbv	98
9) Propene	2.98	41	38297m	1.061	ppbv	
11) Trichlorofluoromethane	3.92	101	47794	0.311	ppbv #	81
13) Ethanol	3.59	45	8496692	878.655	ppbv	91
15) Acetone	3.82	43	1020647	9.050	ppbv	100
17) tert-Butyl alcohol	4.29	59	36997m	0.446	ppbv	
19) Isopropyl Alcohol	3.96	45	552574	8.396	ppbv #	97
20) Methylene Chloride	4.32	84	105085	2.447	ppbv	97
26) Hexane	5.67	57	181583	2.374	ppbv #	43
29) Chloroform	5.74	83	28698m	0.212	ppbv	
34) 2-Butanone	5.23	43	49040m	0.420	ppbv	
35) Carbon Tetrachloride	7.01	117	12509m	0.081	ppbv	
36) Benzene	6.88	78	39461m	0.276	ppbv	
37) 1,2-Dichloroethane	6.29	62	22122	0.186	ppbv	99
53) Toluene	9.82	91	1076804	6.858	ppbv	99

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

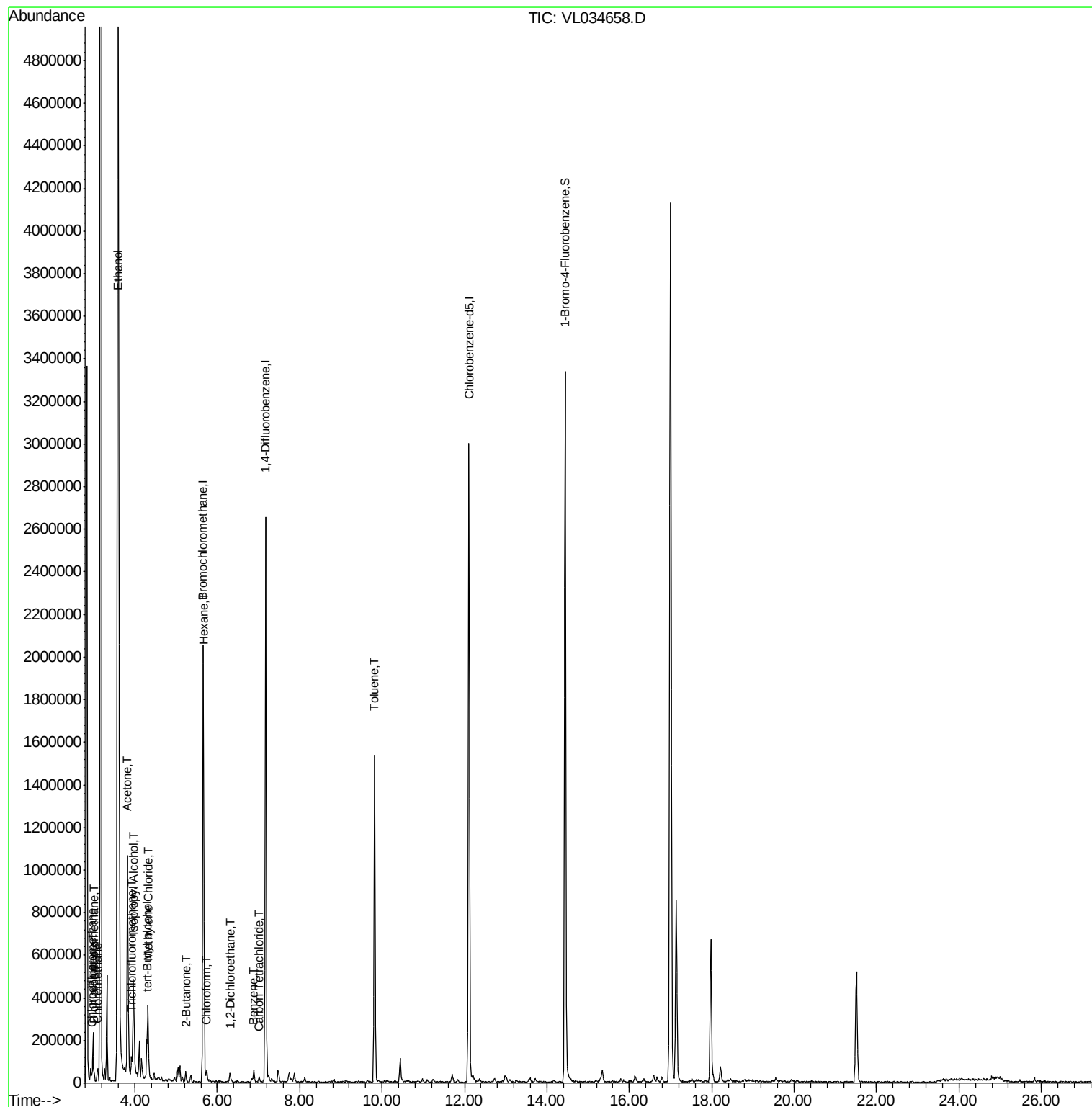
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL021920\
Data File : VL034658.D
Acq On : 19 Feb 2020 23:41
Operator : SY/AP
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Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

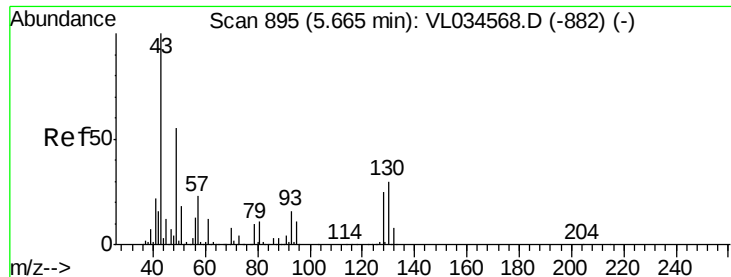
Instrument :
MSVOA_L
ClientSampleId :
IA-2

Manual Integrations
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Quant Time: Feb 21 10:33:29 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.01 min

Lab File: VL034658.D

Acq: 19 Feb 2020 23:41

Instrument :

MSVOA_L

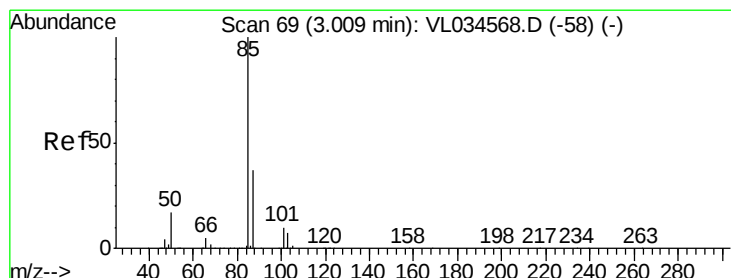
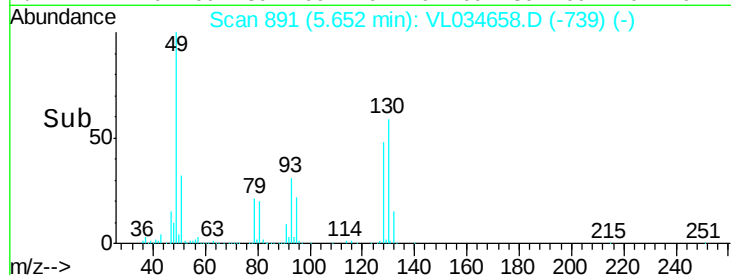
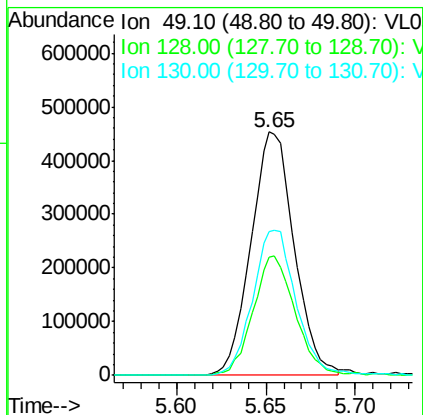
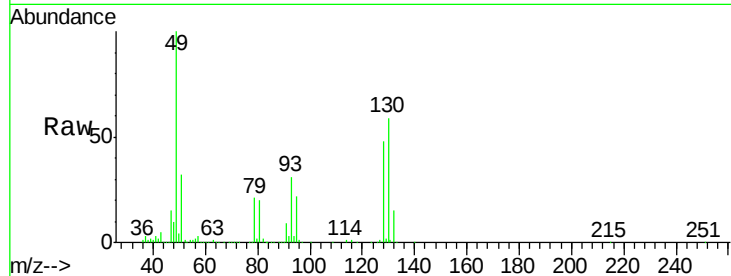
ClientSampleId :

IA-2

Tot Ion:	49	Resp:	767354
Ion	Ratio	Lower	Upper
49	100		
128	48.4	22.7	68.1
130	60.4	28.6	85.8

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#2

Dichlorodifluoromethane

Concen: 0.212 ppbv m

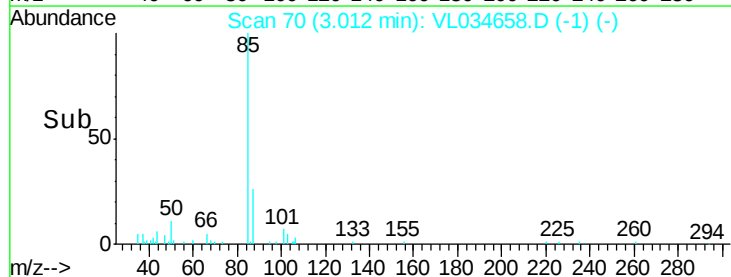
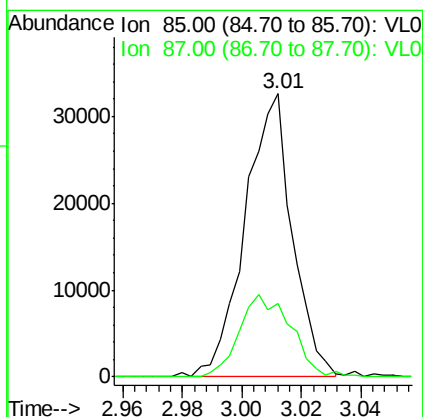
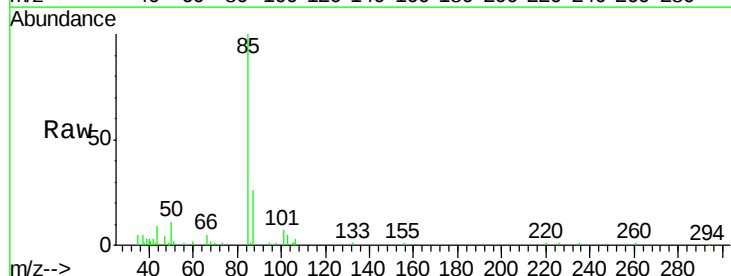
RT: 3.01 min Scan# 70

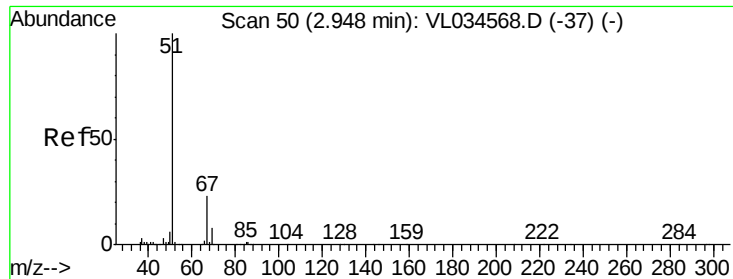
Delta R.T. 0.00 min

Lab File: VL034658.D

Acq: 19 Feb 2020 23:41

Tgt Ion:	85	Resp:	35776
Ion	Ratio	Lower	Upper
85	100		
87	25.9	29.5	44.3#





#3

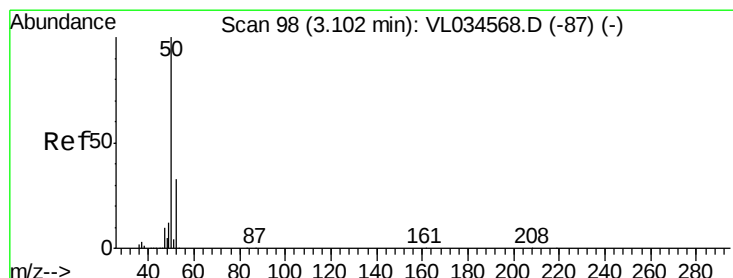
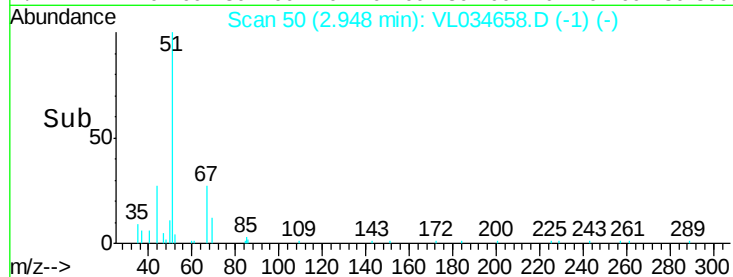
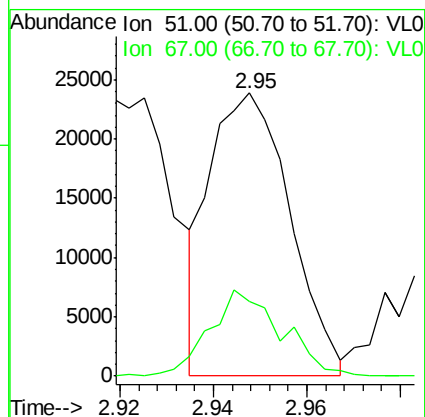
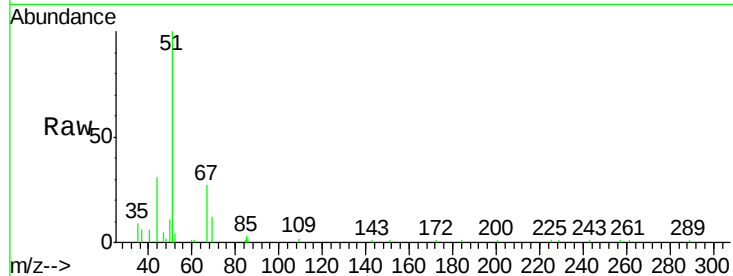
Chlorodifluoromethane
Concen: 0.306 ppbv m
RT: 2.95 min Scan# 50
Delta R.T. 0.00 min
Lab File: VL034658.D
Acq: 19 Feb 2020 23:41

Instrument :
MSVOA_L
ClientSampled :
IA-2

Tot Ion	Ratio	Lower	Upper
51	100		
67	27.6	17.8	26.8#

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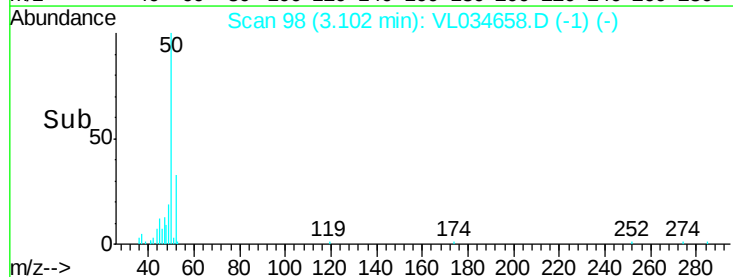
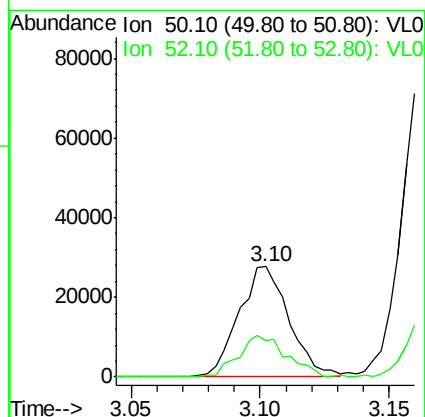
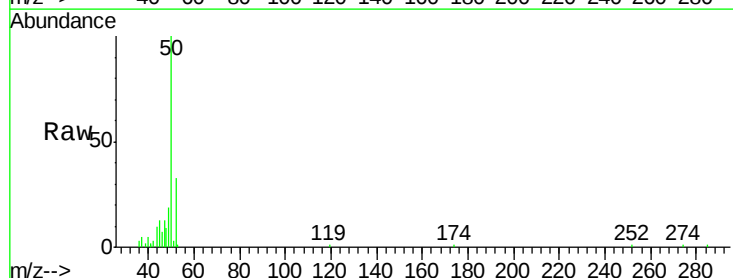
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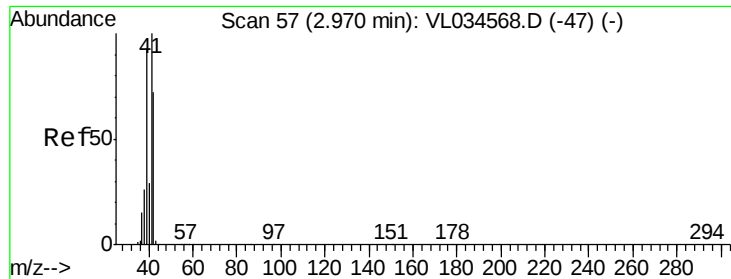


#4

Chloromethane
Concen: 0.660 ppbv
RT: 3.10 min Scan# 98
Delta R.T. 0.00 min
Lab File: VL034658.D
Acq: 19 Feb 2020 23:41

Tgt Ion	Ratio	Lower	Upper
50	100		
52	34.2	26.6	39.8





#9

Propene

Concen: 1.061 ppbv m

RT: 2.98 min Scan# 60

Delta R.T. 0.01 min

Lab File: VL034658.D

Acq: 19 Feb 2020 23:41

Instrument :

MSVOA_L

ClientSampleId :

IA-2

Tot Ion: 41 Resp: 38297

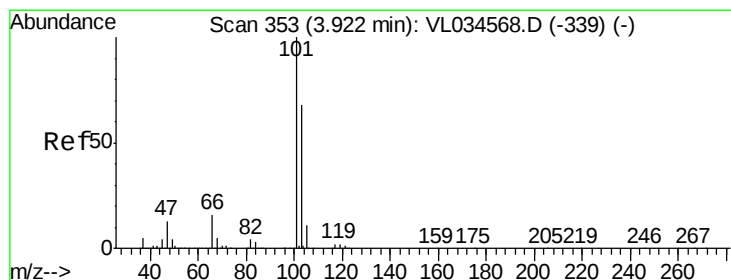
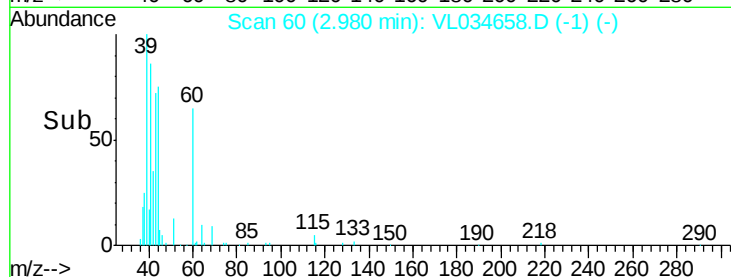
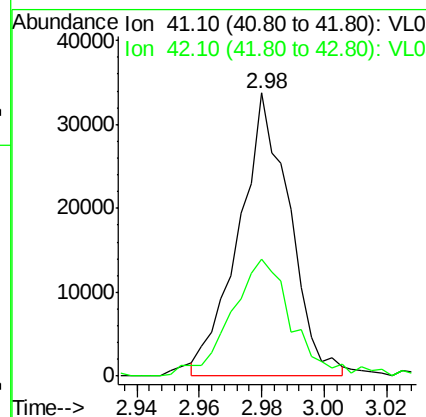
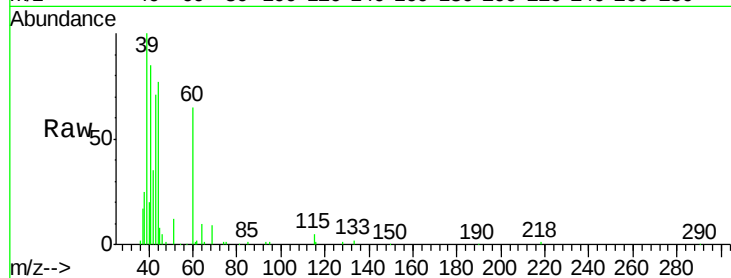
Ion Ratio Lower Upper

41 100

42 6423.2 57.0 85.4

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#11

Trichlorofluoromethane

Concen: 0.311 ppbv

RT: 3.92 min Scan# 352

Delta R.T. -0.00 min

Lab File: VL034658.D

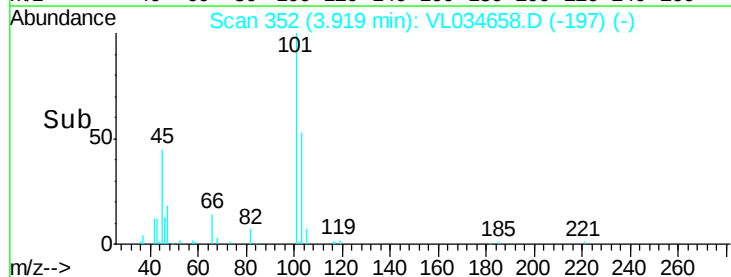
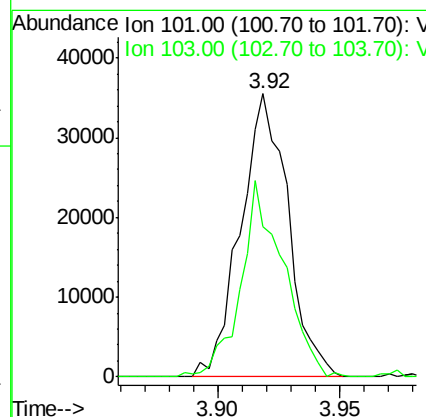
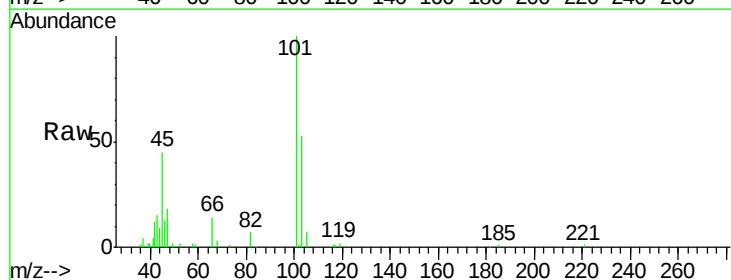
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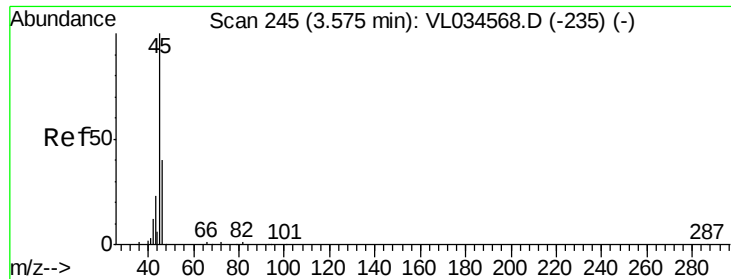
Tgt Ion: 101 Resp: 47794

Ion Ratio Lower Upper

101 100

103 52.5 54.4 81.6#





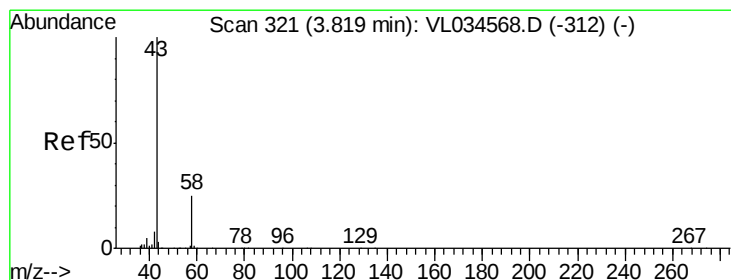
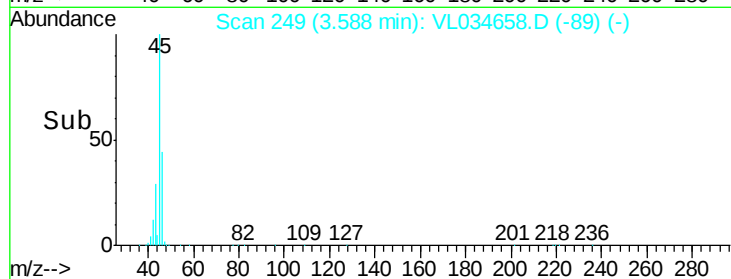
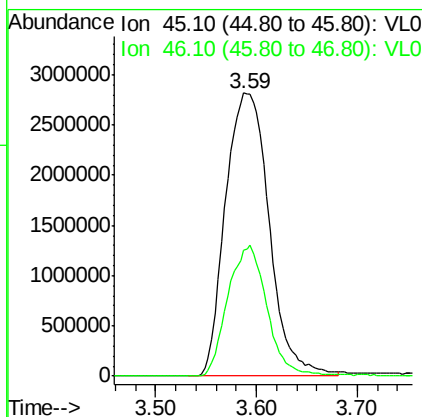
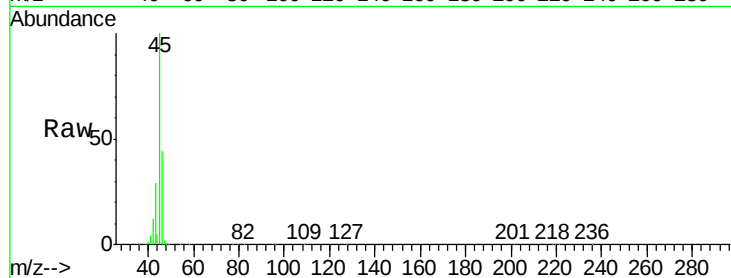
#13
Ethanol
Concen: 878.655 ppbv
RT: 3.59 min Scan# 249
Delta R.T. 0.01 min
Lab File: VL034658.D
Acq: 19 Feb 2020 23:41

Instrument :
MSVOA_L
ClientSampleId :
IA-2

Tot Ion: 45 Resp: 8496692
Ion Ratio Lower Upper
45 100
46 42.1 14.8 59.2

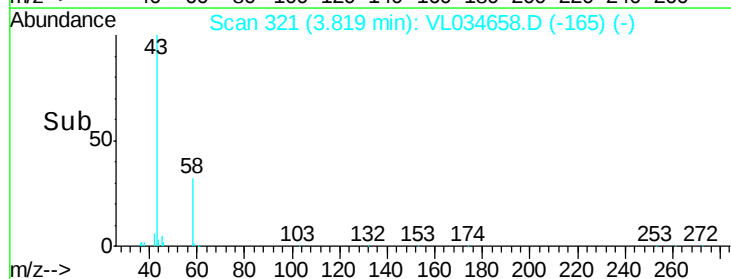
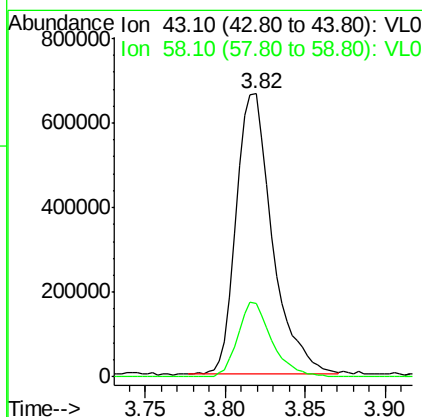
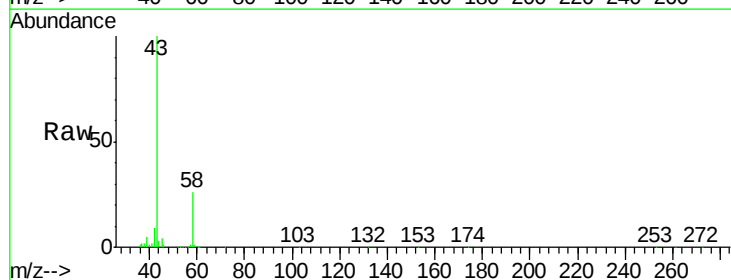
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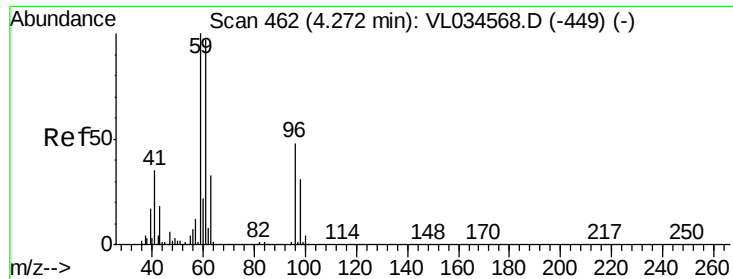
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#15
Acetone
Concen: 9.050 ppbv
RT: 3.82 min Scan# 321
Delta R.T. 0.00 min
Lab File: VL034658.D
Acq: 19 Feb 2020 23:41

Tgt Ion: 43 Resp: 1020647
Ion Ratio Lower Upper
43 100
58 25.3 20.3 30.5





#17

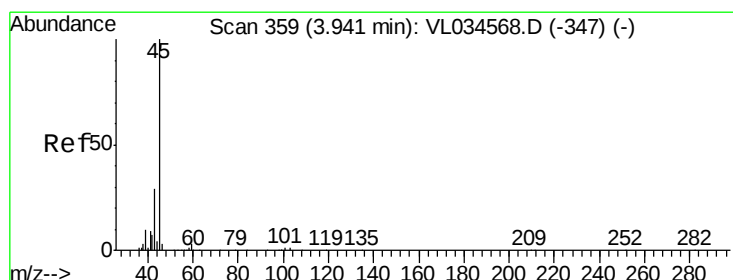
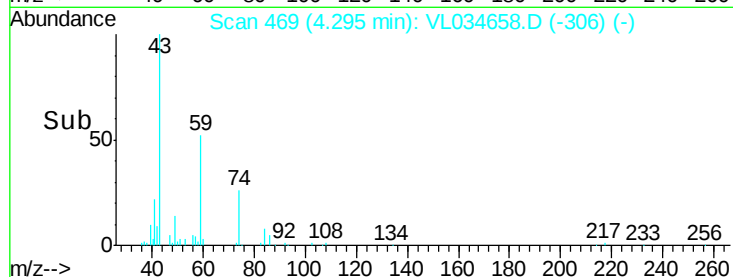
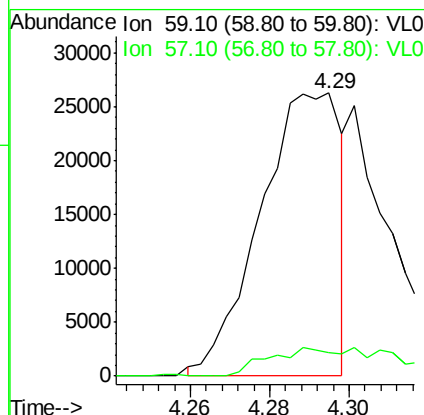
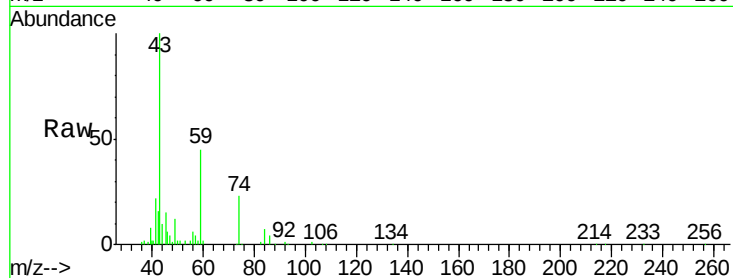
tert-Butyl alcohol
Concen: 0.446 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.02 min
Lab File: VL034658.D
Acq: 19 Feb 2020 23:41

Instrument :
MSVOA_L
ClientSampled :
IA-2

Tot Ion: 59 Resp: 36997
Ion Ratio Lower Upper
59 100
57 17.6 8.7 13.1#

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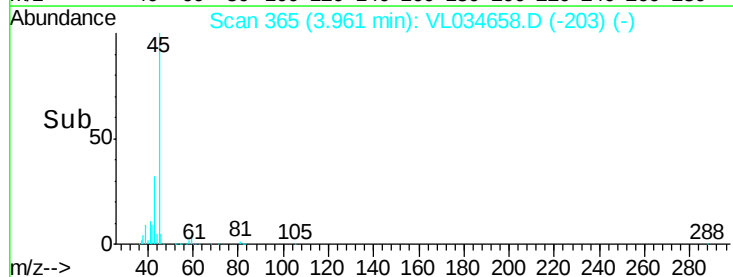
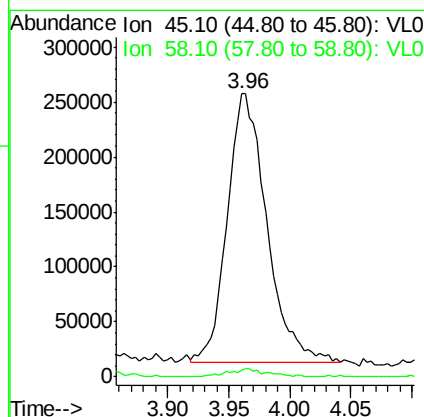
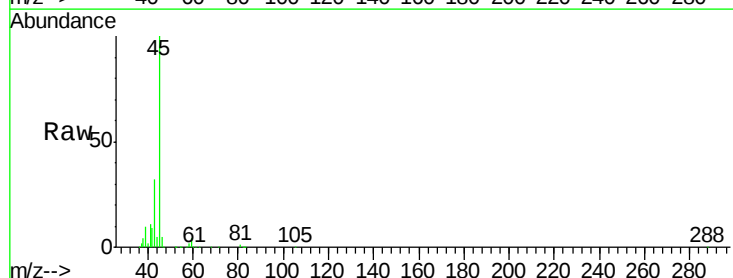
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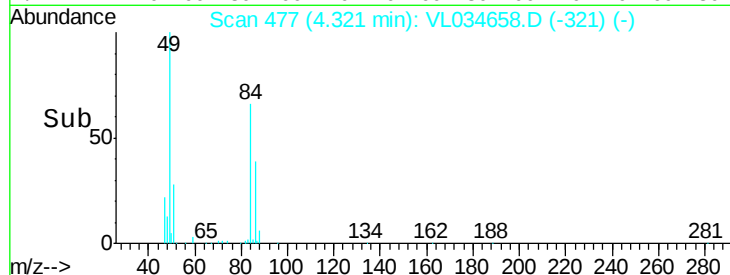
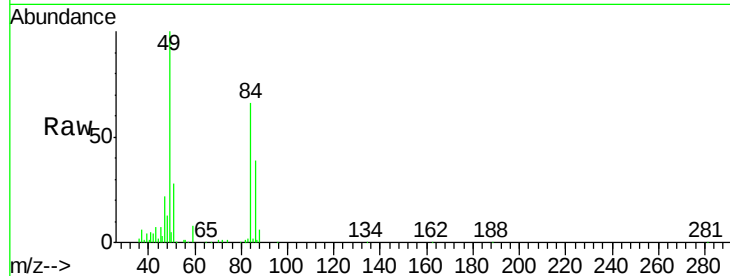
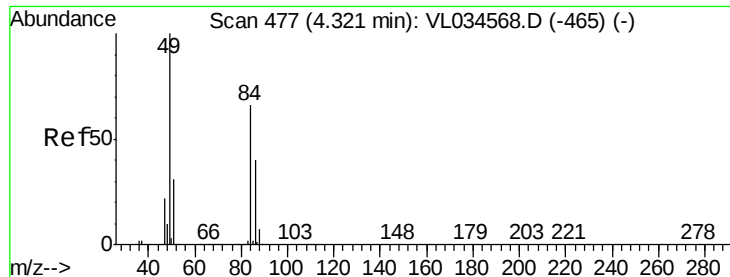


#19

Isopropyl Alcohol
Concen: 8.396 ppbv
RT: 3.96 min Scan# 365
Delta R.T. 0.02 min
Lab File: VL034658.D
Acq: 19 Feb 2020 23:41

Tgt Ion: 45 Resp: 552574
Ion Ratio Lower Upper
45 100
58 3.1 1.7 2.5#





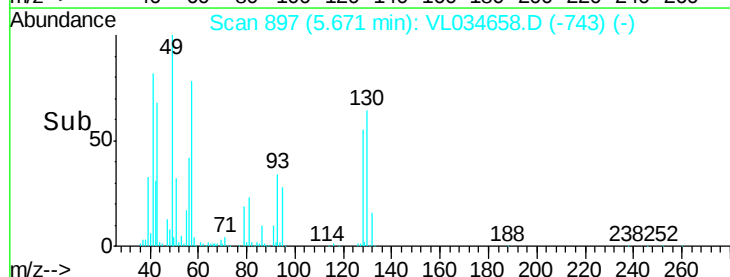
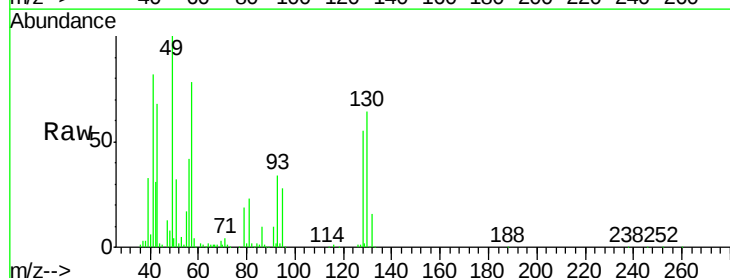
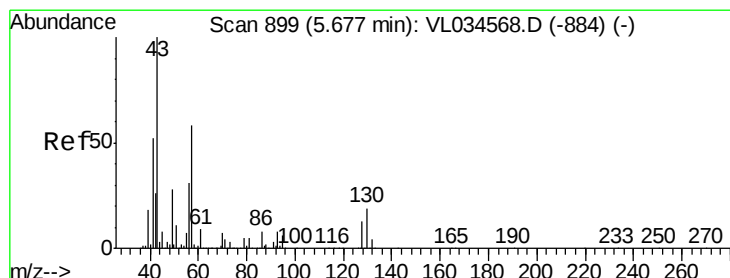
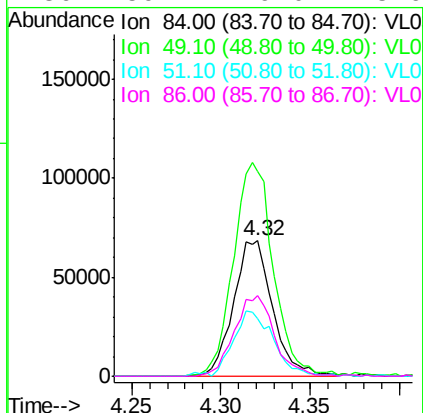
#20
Methylene Chloride
Concen: 2.447 ppbv
RT: 4.32 min Scan# 477
Delta R.T. 0.00 min
Lab File: VL034658.D
Acq: 19 Feb 2020 23:41

Tot Ion	Ion	Ratio	Resp	Lower	Upper
84	100				
49	150.7	122.4	183.6		
51	43.1	38.6	57.8		
86	59.4	49.0	73.6		

Instrument :
MSVOA_L
ClientSampleId :
IA-2

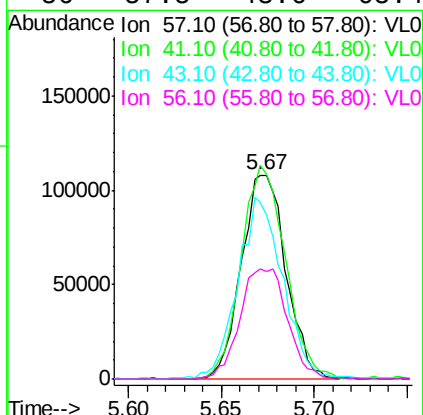
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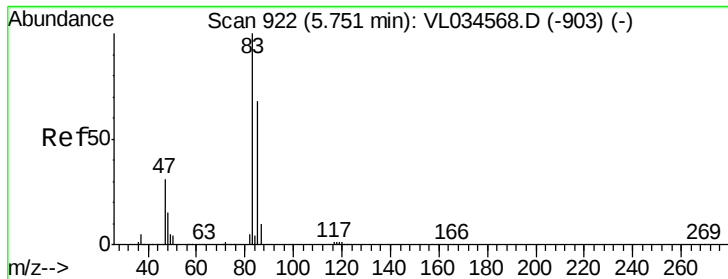
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#26
Hexane
Concen: 2.374 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL034658.D
Acq: 19 Feb 2020 23:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	104.3	76.2	114.2		
43	89.5	189.9	284.9		
56	57.5	43.6	65.4		





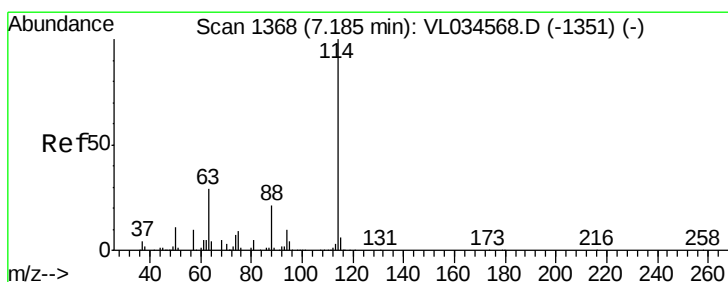
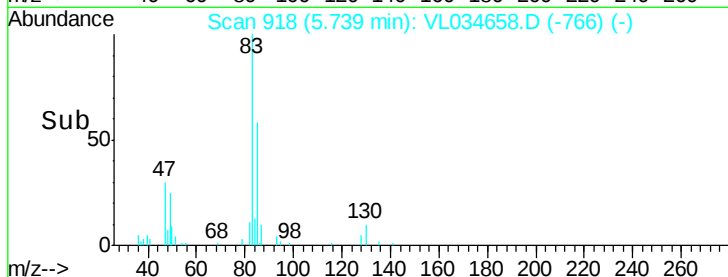
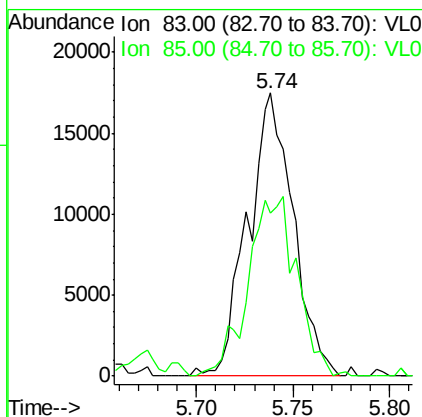
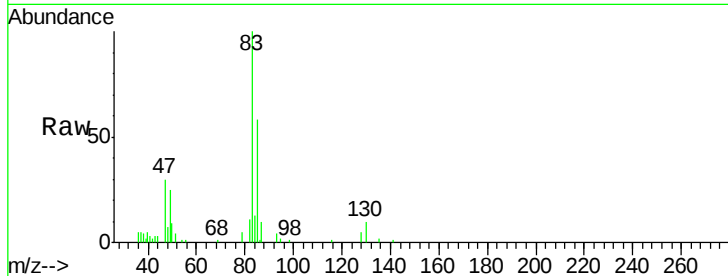
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Chloroform
Concen: 0.212 ppbv m
RT: 5.74 min Scan# 918
Delta R.T. -0.01 min
Lab File: VL034658.D
Acq: 19 Feb 2020 23:41

Instrument :
MSVOA_L
ClientSampleId :
IA-2

Tot Ion	83	Resp	28698
Ion Ratio	100	Lower	Upper
85	57.6	54.0	81.0

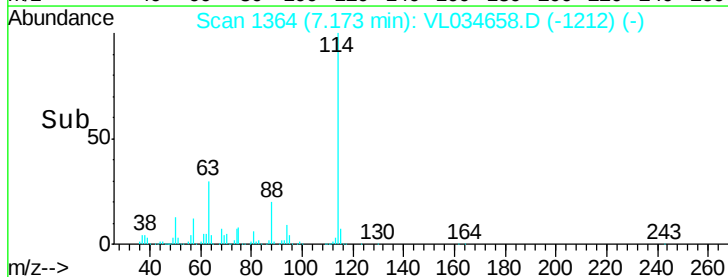
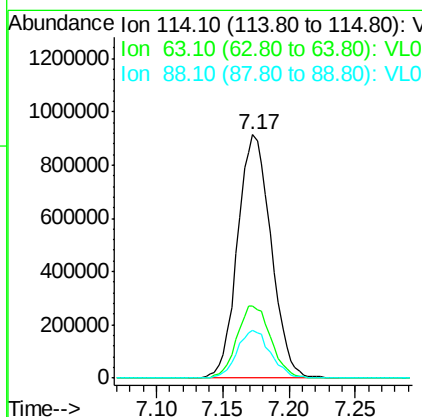
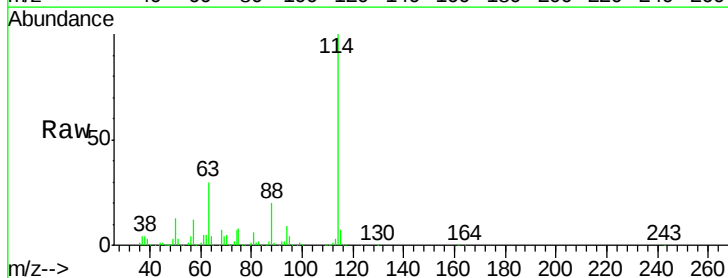
Manual Integrations
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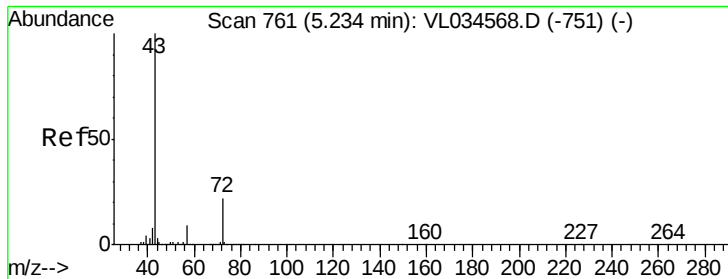
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VL034658.D
Acq: 19 Feb 2020 23:41

Tgt Ion	114	Resp	1607223
Ion Ratio	100	Lower	Upper
63	30.0	24.1	36.1
88	19.4	15.9	23.9





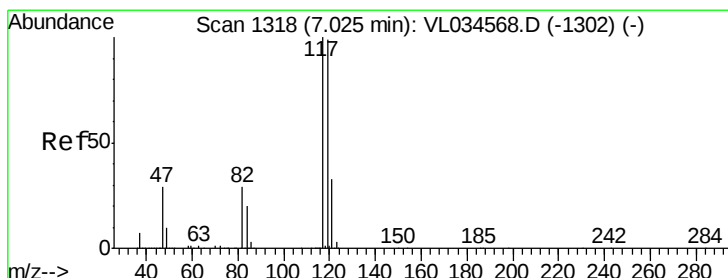
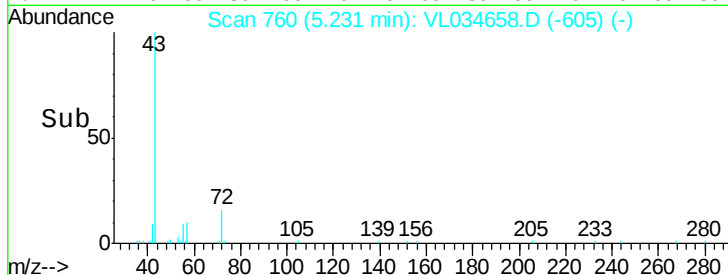
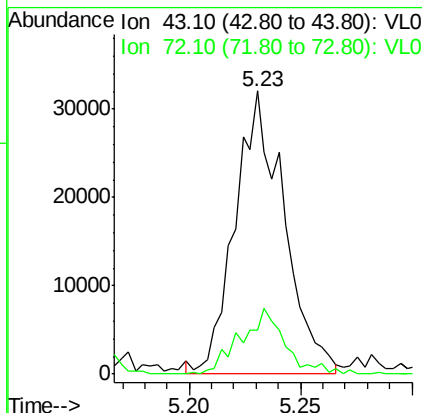
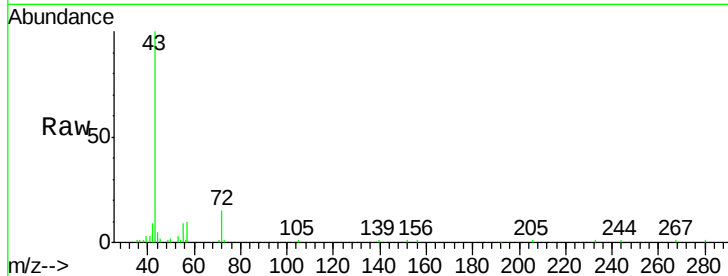
#34
2-Butanone
Concen: 0.420 ppbv m
RT: 5.23 min Scan# 760
Delta R.T. -0.00 min
Lab File: VL034658.D
Acq: 19 Feb 2020 23:41

Instrument :
MSVOA_L
ClientSampleId :
IA-2

Tot Ion	43	Resp	49040
Ion Ratio	Lower	Upper	
43	100		
72	21.1	17.2	25.8

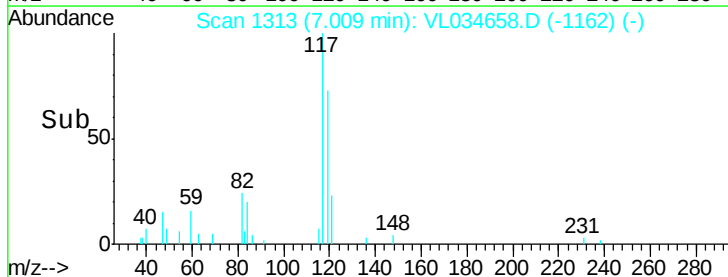
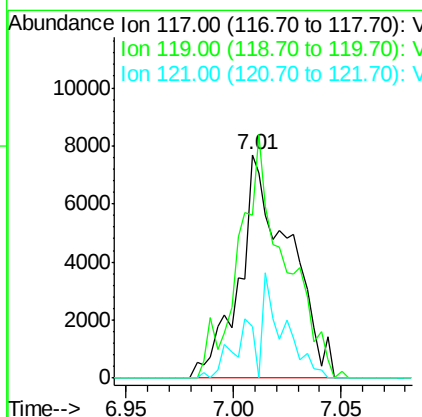
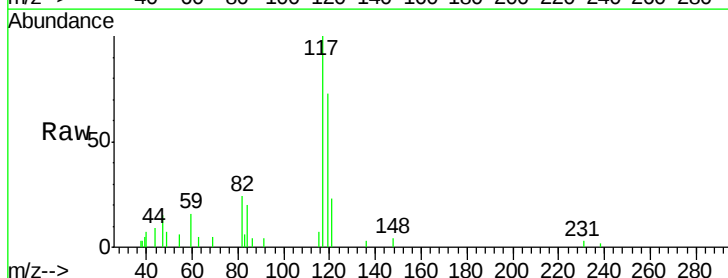
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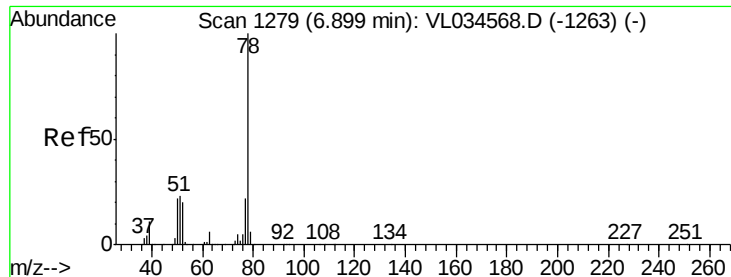
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#35
Carbon Tetrachloride
Concen: 0.081 ppbv m
RT: 7.01 min Scan# 1313
Delta R.T. -0.02 min
Lab File: VL034658.D
Acq: 19 Feb 2020 23:41

Tgt Ion	117	Resp	12509
Ion Ratio	Lower	Upper	
117	100		
119	73.0	79.5	119.3#
121	23.2	26.2	39.2#





#36

Benzene

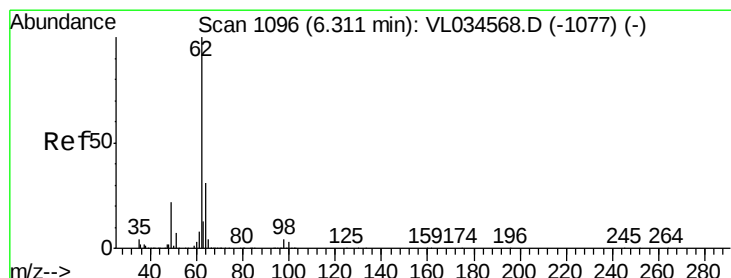
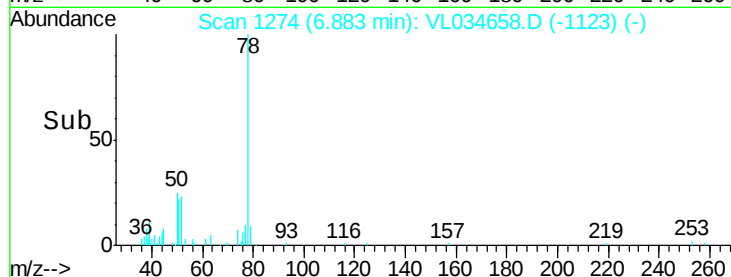
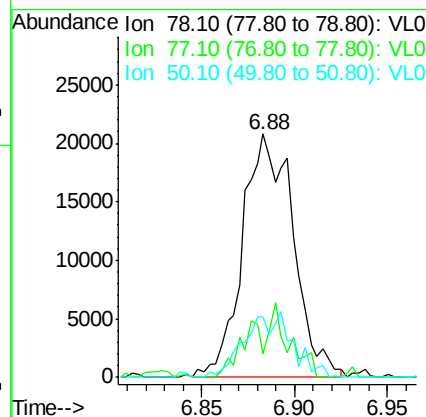
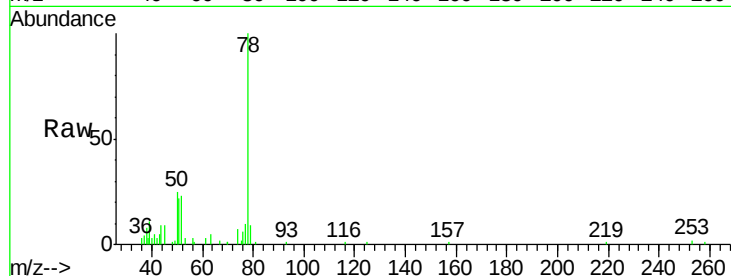
Concen: 0.276 ppbv m
 RT: 6.88 min Scan# 1274
 Delta R.T. -0.02 min
 Lab File: VL034658.D
 Acq: 19 Feb 2020 23:41

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2

Tot Ion	Ratio	Lower	Upper
78	100		
77	9.7	17.3	25.9#
50	25.1	17.4	26.2

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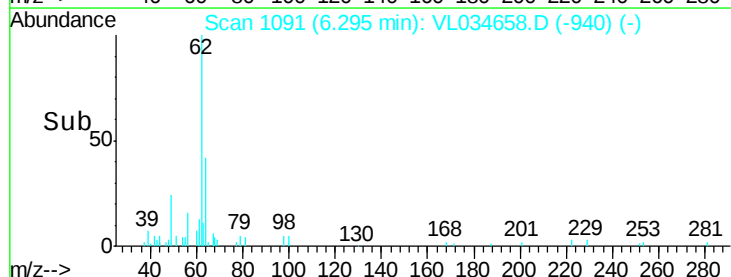
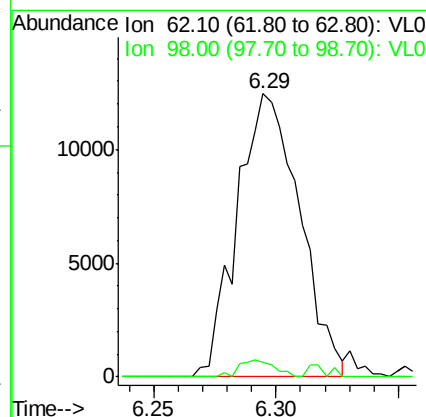
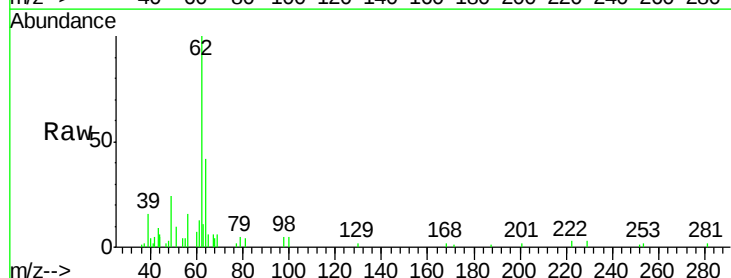


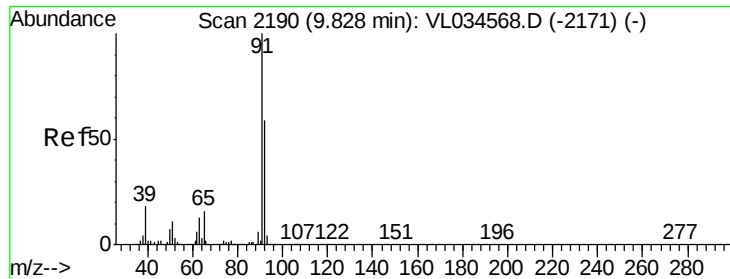
#37

1,2-Dichloroethane

Concen: 0.186 ppbv
 RT: 6.29 min Scan# 1091
 Delta R.T. -0.02 min
 Lab File: VL034658.D
 Acq: 19 Feb 2020 23:41

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.3	3.7	5.5





#53

Toluene

Concen: 6.858 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. -0.01 min

Lab File: VL034658.D

Acq: 19 Feb 2020 23:41

Instrument :

MSVOA_L

ClientSampled :

IA-2

Tot Ion: 91 Resp: 1076804

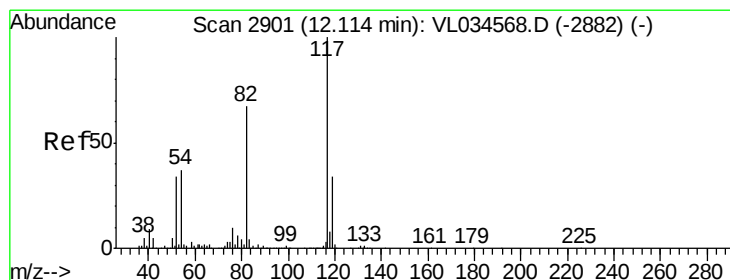
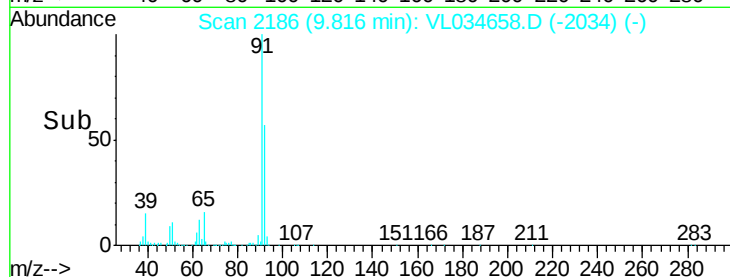
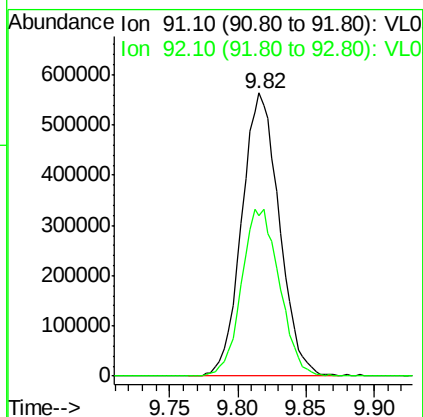
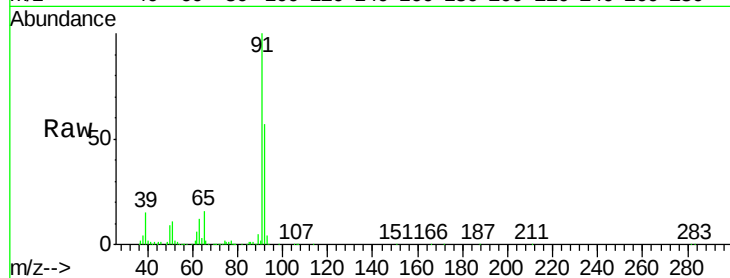
Ion Ratio Lower Upper

91 100

92 59.5 48.2 72.2

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. -0.01 min

Lab File: VL034658.D

Acq: 19 Feb 2020 23:41

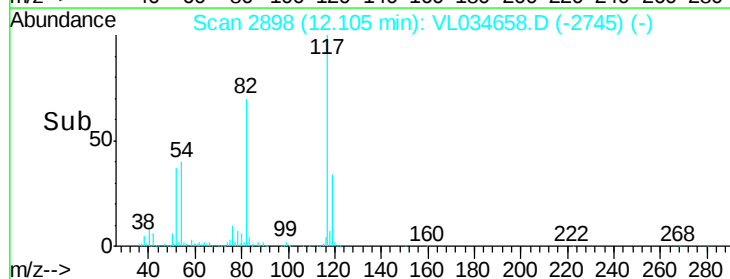
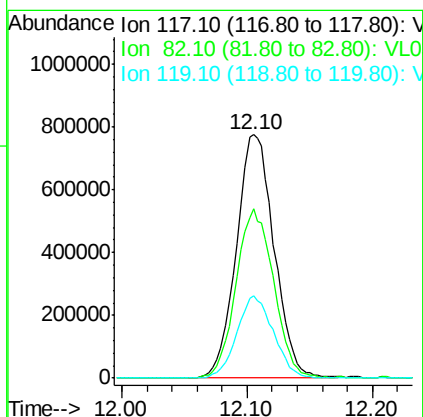
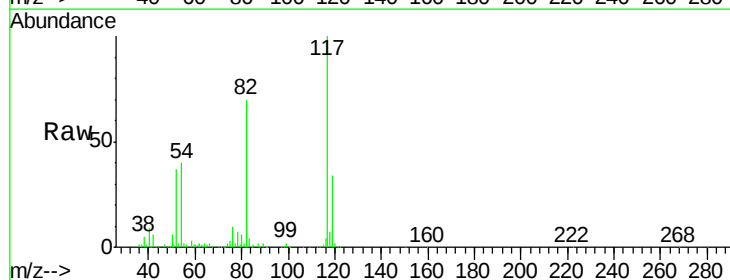
Tgt Ion: 117 Resp: 1624780

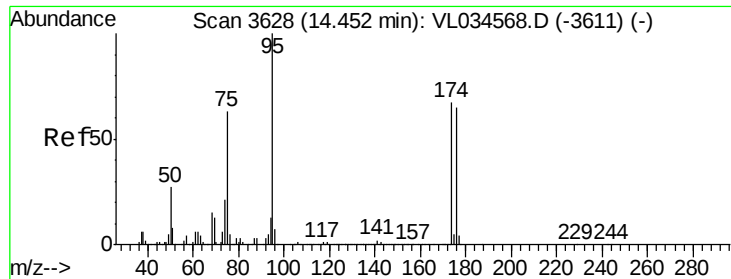
Ion Ratio Lower Upper

117 100

82 69.4 54.2 81.4

119 33.0 26.1 39.1





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.144 ppbv
 RT: 14.44 min Scan# 3625
 Delta R.T. -0.01 min
 Lab File: VL034658.D
 Acq: 19 Feb 2020 23:41

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2

Tot Ion	Ion	Ratio	Lower	Upper
95	100			
174	65.7	52.3	78.5	
175	4.7	3.8	5.6	

Manual Integrations
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