

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021021\
 Data File : VL036325.D
 Acq On : 10 Feb 2021 19:56
 Operator : SY/AP
 Sample : M1343-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-1B

Manual Integrations
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 2/12/2021 1:42:31 PM

Quant Time: Feb 11 20:54:32 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Wed Feb 10 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1377272	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	2981296	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	2638454	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2067353	9.52	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	53239	0.259	ppbv	98
3) Chlorodifluoromethane	2.97	51	385977m	2.255	ppbv	
4) Chloromethane	3.13	50	38295	0.463	ppbv #	88
9) Propene	3.01	41	164055	2.571	ppbv #	76
11) Trichlorofluoromethane	3.93	101	39645	0.197	ppbv	85
13) Ethanol	3.63	45	18367712m	1532.690	ppbv	
15) Acetone	3.83	43	1266229	7.521	ppbv	100
17) tert-Butyl alcohol	4.32	59	43086m	0.330	ppbv	
19) Isopropyl Alcohol	3.99	45	5074376m	54.404	ppbv	
20) Methylene Chloride	4.32	84	58889	1.084	ppbv #	78
29) Chloroform	5.73	83	32424m	0.151	ppbv	
34) 2-Butanone	5.23	43	87805	0.443	ppbv	94
35) Carbon Tetrachloride	7.00	117	14127m	0.071	ppbv	
36) Benzene	6.87	78	427630	1.689	ppbv	95
53) Toluene	9.78	91	146952	0.536	ppbv	94

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

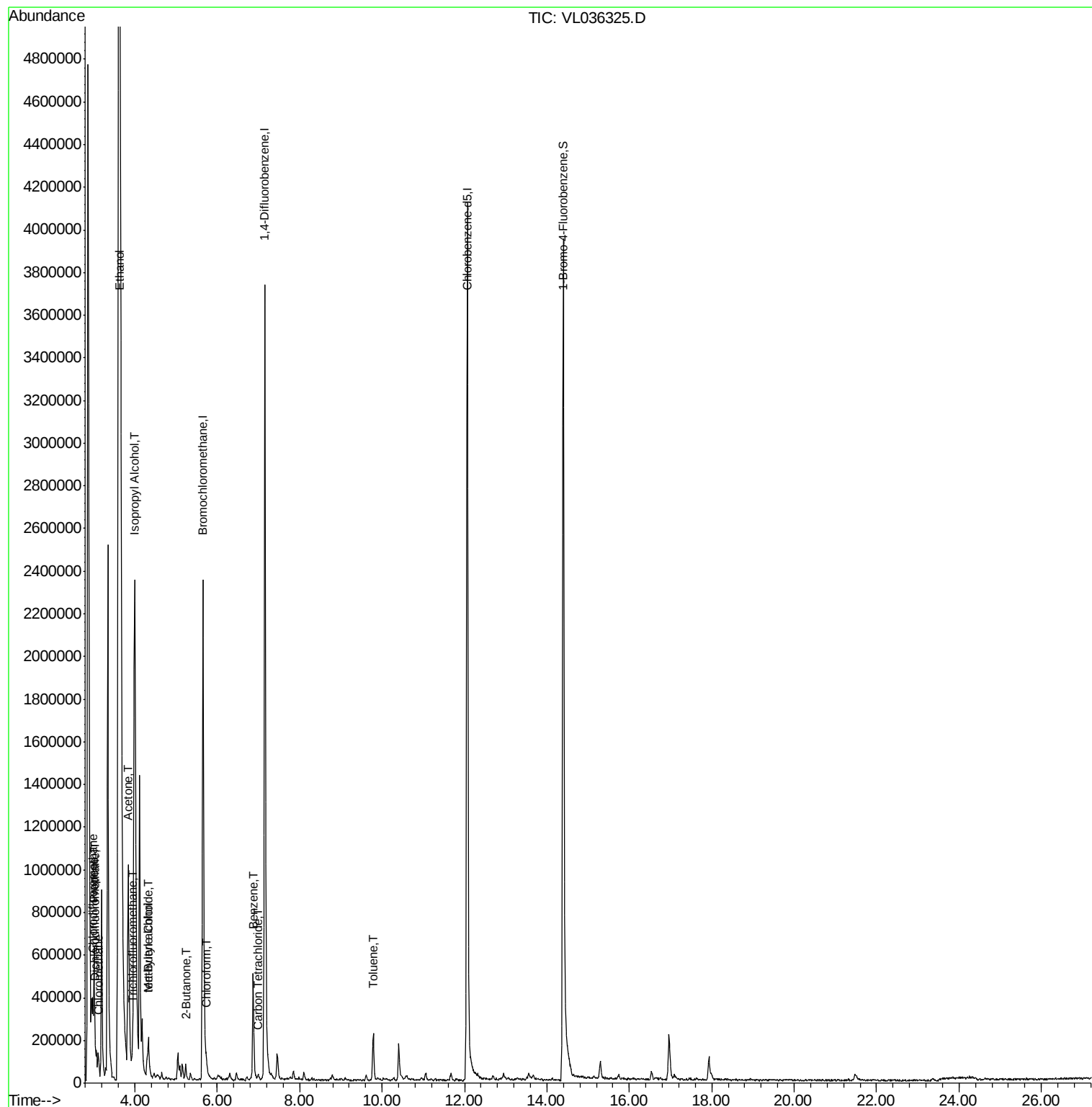
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021021\
Data File : VL036325.D
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Operator : SY/AP
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Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

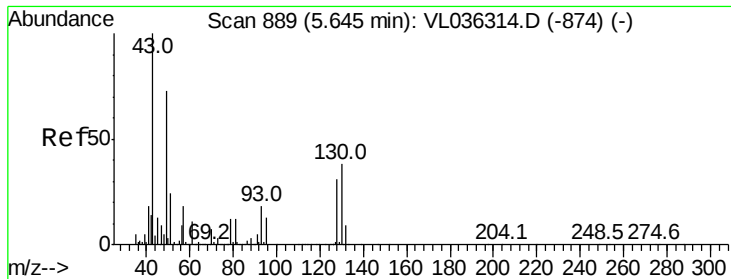
Instrument :
MSVOA_L
ClientSampleId :
SR-1B

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Quant Time: Feb 11 20:54:32 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb
QLast Update : Wed Feb 10 16:04:02 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. 0.00 min

Lab File: VL036325.D

Acq: 10 Feb 2021 19:56

Instrument :

MSVOA_L

ClientSampleId :

SR-1B

Tot Ion: 49 Resp: 1377272

Ion Ratio Lower Upper

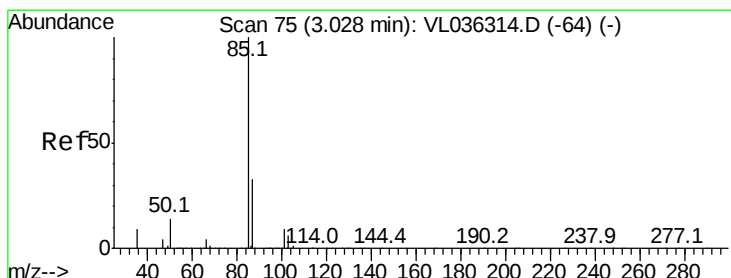
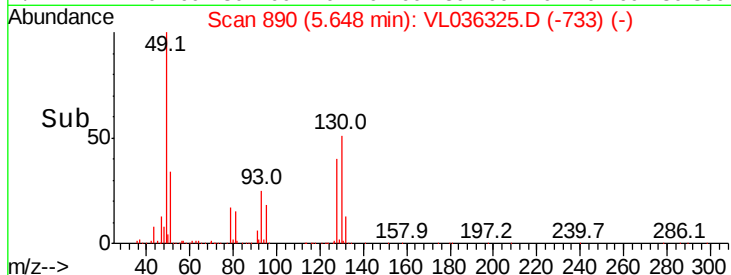
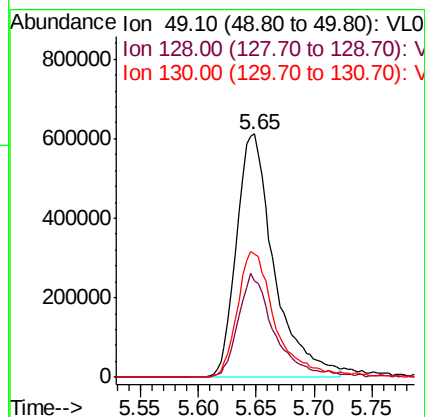
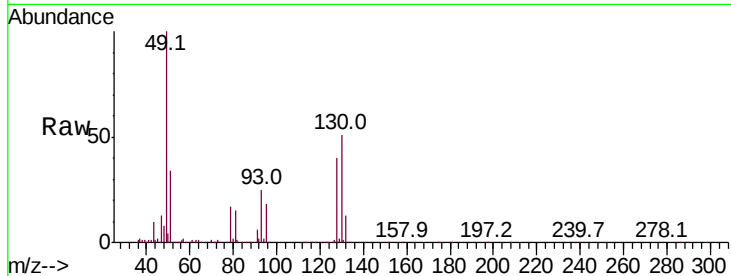
49 100

128 41.6 20.8 62.5

130 53.5 26.7 80.1

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#2

Dichlorodifluoromethane

Concen: 0.259 ppbv

RT: 3.03 min Scan# 77

Delta R.T. 0.01 min

Lab File: VL036325.D

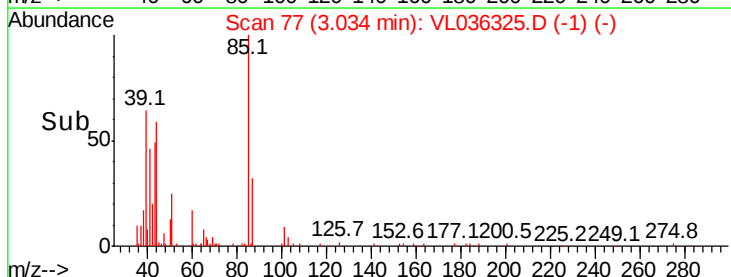
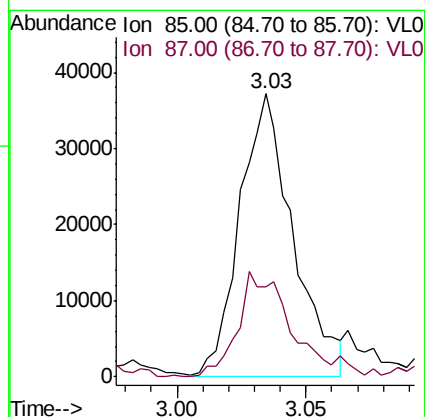
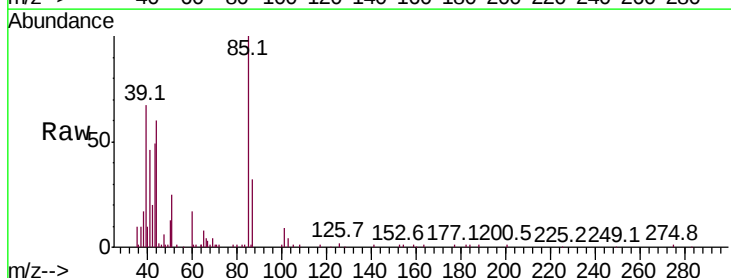
Acq: 10 Feb 2021 19:56

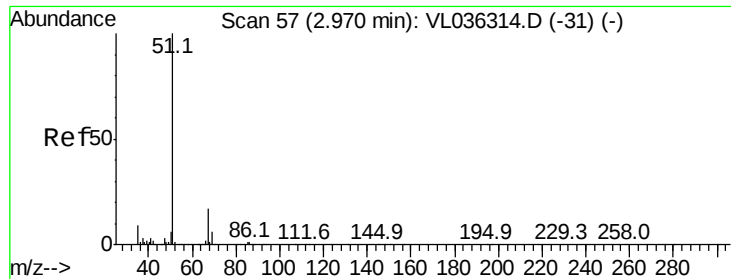
Tgt Ion: 85 Resp: 53239

Ion Ratio Lower Upper

85 100

87 32.0 26.5 39.7





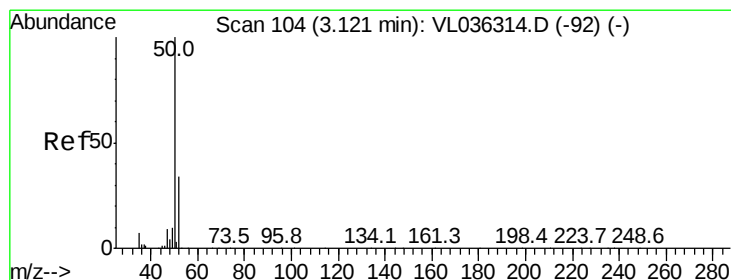
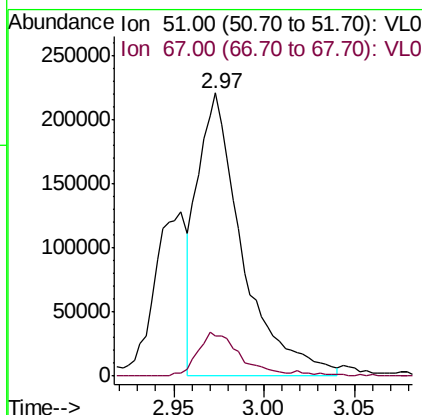
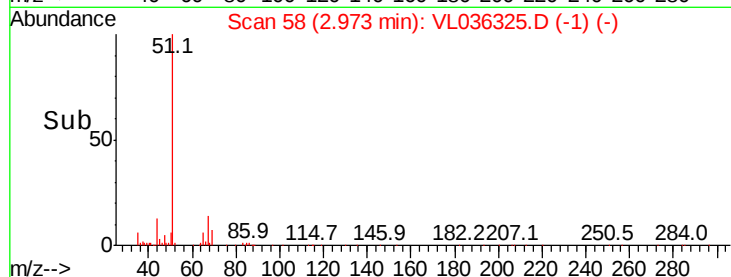
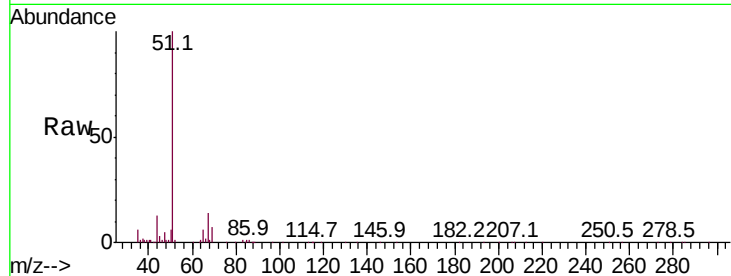
#3
Chlorodifluoromethane
Concen: 2.255 ppbv m
RT: 2.97 min Scan# 58
Delta R.T. 0.00 min
Lab File: VL036325.D
Acq: 10 Feb 2021 19:56

Instrument :
MSVOA_L
ClientSampleId :
SR-1B

Tot Ion	Ratio	Lower	Upper
51	100		
67	15.7	14.7	22.1

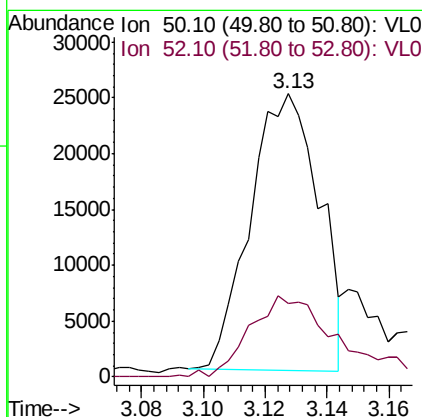
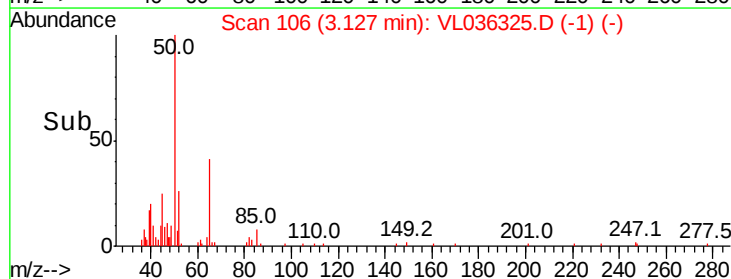
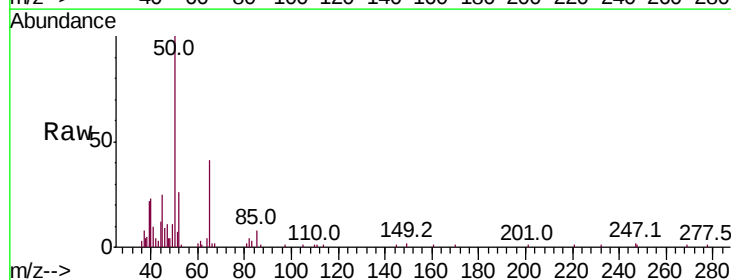
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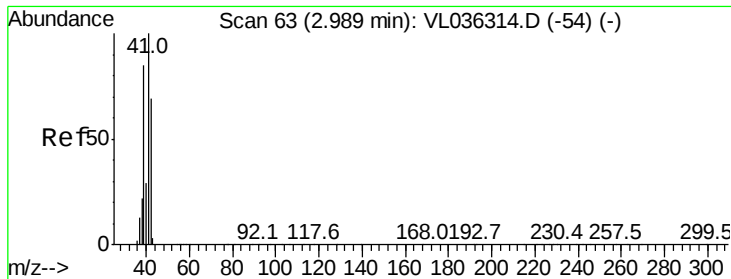
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#4
Chloromethane
Concen: 0.463 ppbv
RT: 3.13 min Scan# 106
Delta R.T. 0.01 min
Lab File: VL036325.D
Acq: 10 Feb 2021 19:56

Tgt Ion	Ratio	Lower	Upper
50	100		
52	26.6	27.0	40.4





#9

Propene

Concen: 2.571 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.02 min

Lab File: VL036325.D

Acq: 10 Feb 2021 19:56

Instrument :

MSVOA_L

ClientSampleId :

SR-1B

Tot Ion: 41 Resp: 164055

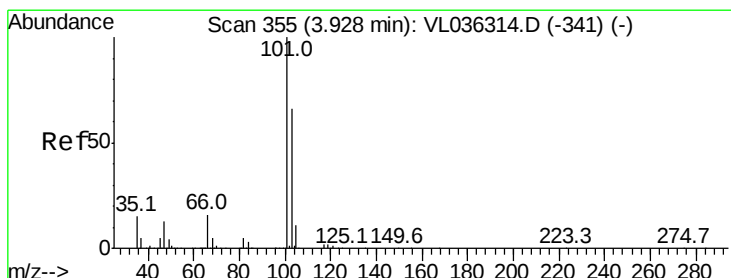
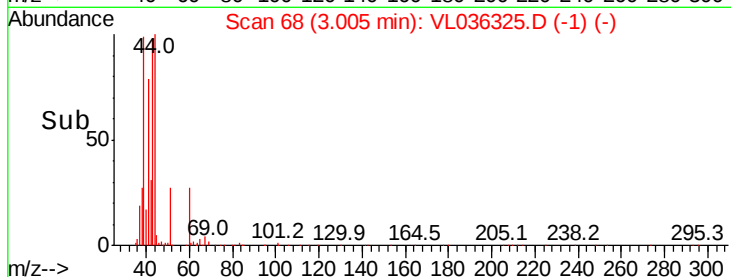
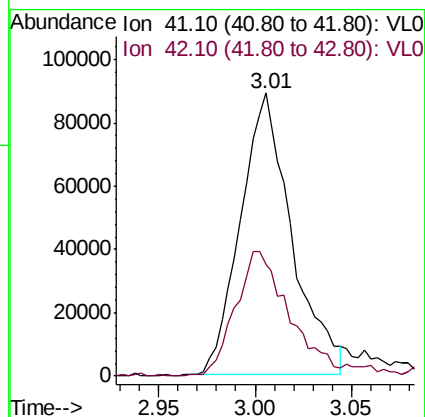
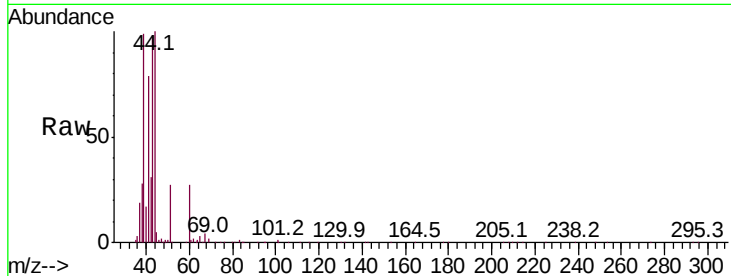
Ion Ratio Lower Upper

41 100

42 50.8 56.2 84.2#

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#11

Trichlorofluoromethane

Concen: 0.197 ppbv

RT: 3.93 min Scan# 356

Delta R.T. 0.00 min

Lab File: VL036325.D

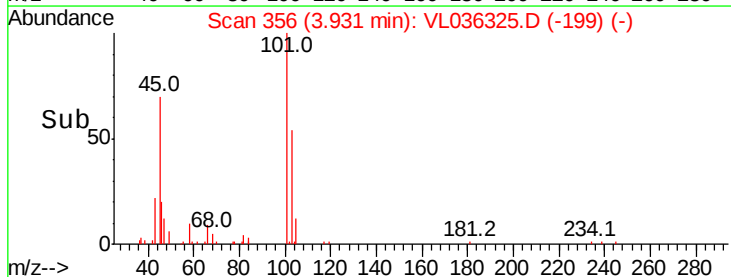
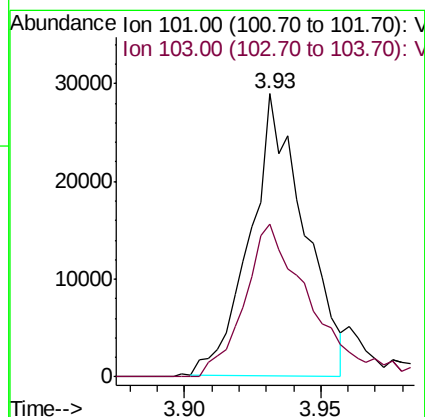
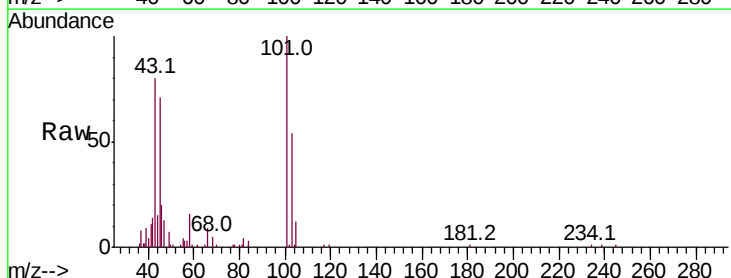
Acq: 10 Feb 2021 19:56

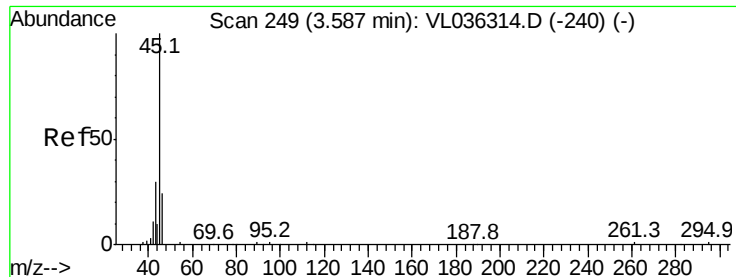
Tgt Ion: 101 Resp: 39645

Ion Ratio Lower Upper

101 100

103 54.1 52.9 79.3





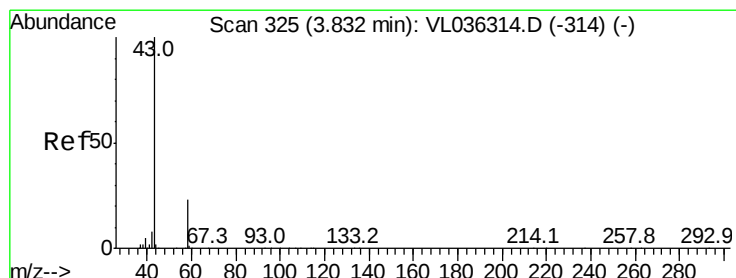
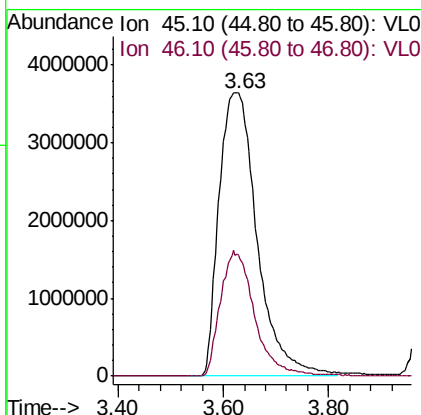
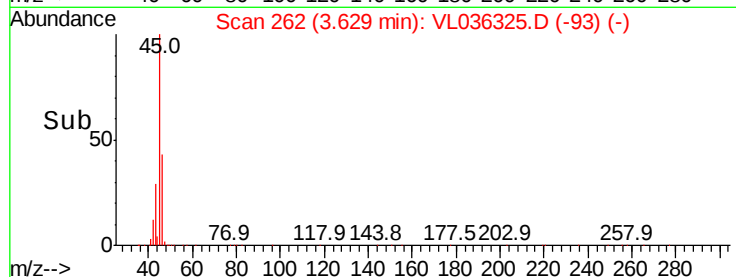
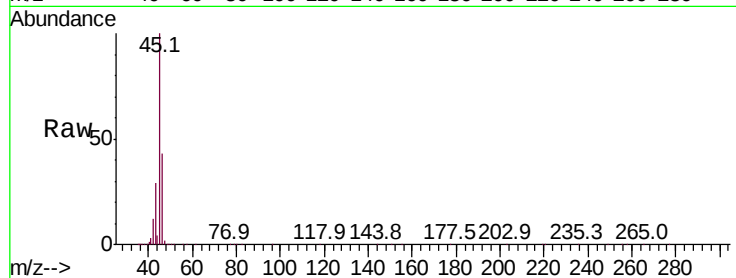
#13
Ethanol
Concen: 1532.690 ppbv m
RT: 3.63 min Scan# 262
Delta R.T. 0.04 min
Lab File: VL036325.D
Acq: 10 Feb 2021 19:56

Instrument :
MSVOA_L
ClientSampleId :
SR-1B

Tot Ion: 45 Resp:18367712
Ion Ratio Lower Upper
45 100
46 39.8 17.7 70.7

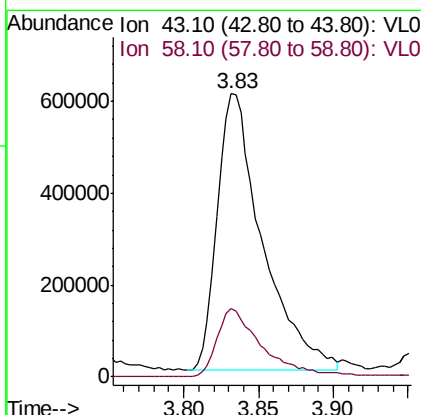
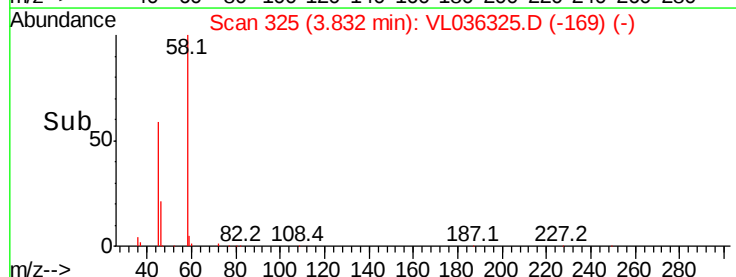
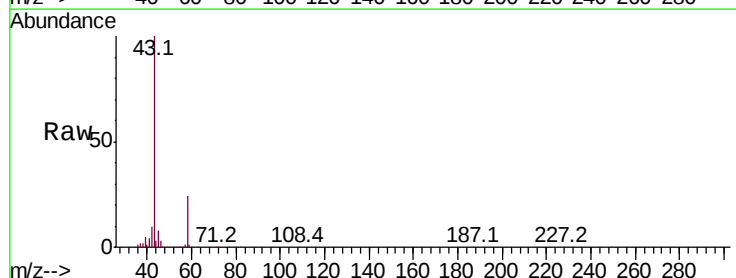
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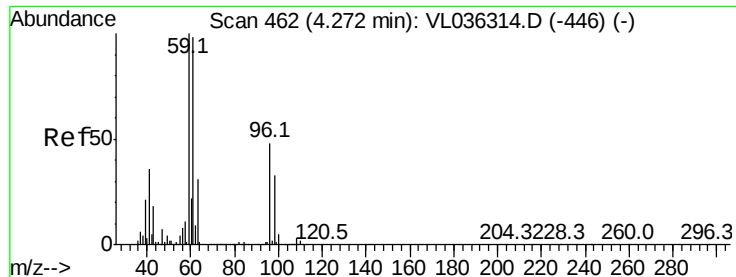
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#15
Acetone
Concen: 7.521 ppbv
RT: 3.83 min Scan# 325
Delta R.T. 0.00 min
Lab File: VL036325.D
Acq: 10 Feb 2021 19:56

Tgt Ion: 43 Resp: 1266229
Ion Ratio Lower Upper
43 100
58 25.3 20.3 30.5





#17

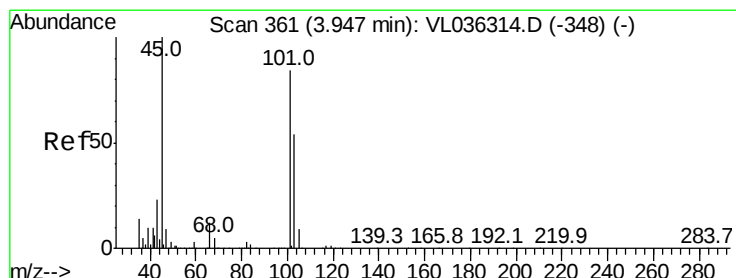
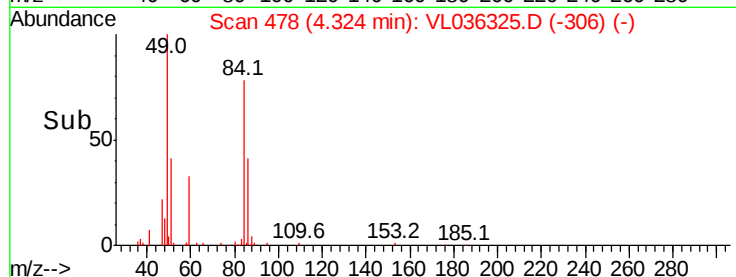
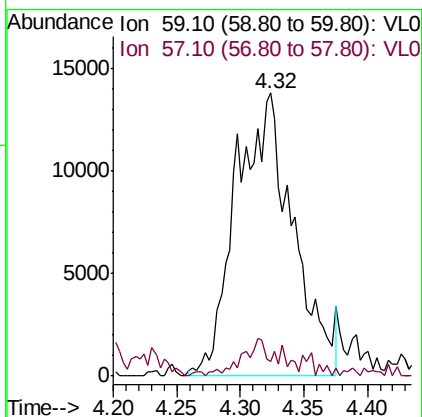
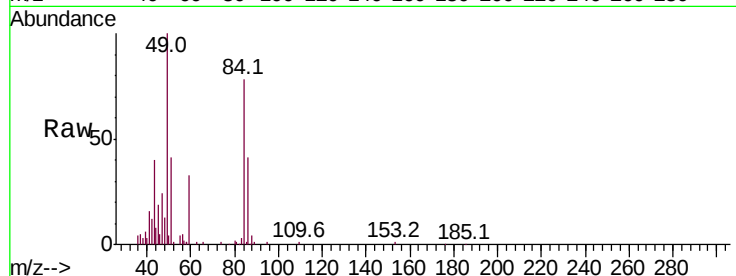
tert-Butyl alcohol
 Concen: 0.330 ppbv m
 RT: 4.32 min Scan# 478
 Delta R.T. 0.05 min
 Lab File: VL036325.D
 Acq: 10 Feb 2021 19:56

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-1B

Tot Ion: 59 Resp: 43086
 Ion Ratio Lower Upper
 59 100
 57 43.5 9.0 13.4#

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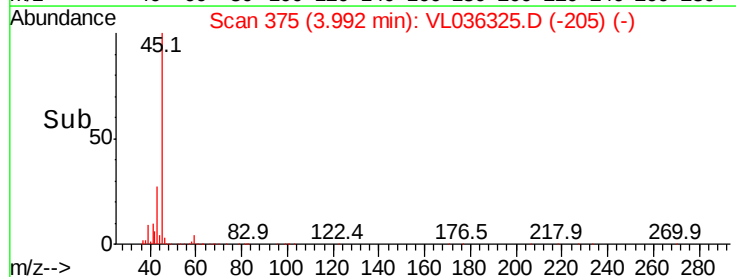
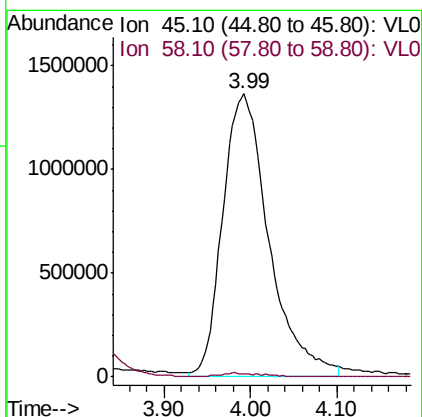
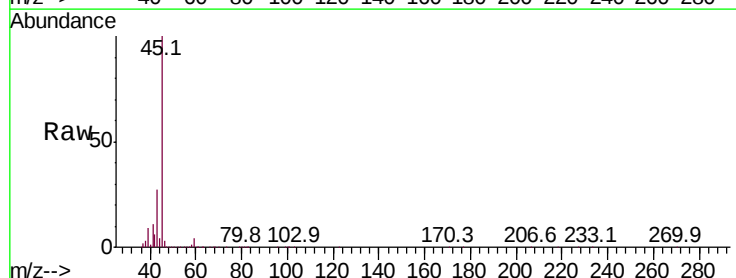
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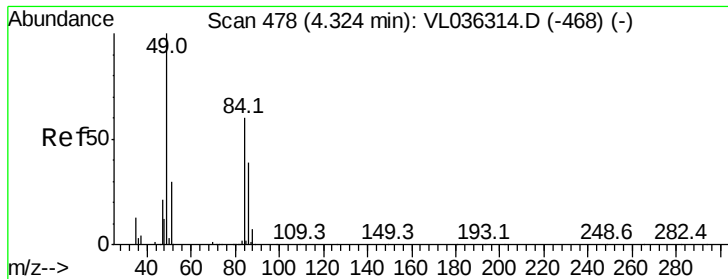


#19

Isopropyl Alcohol
 Concen: 54.404 ppbv m
 RT: 3.99 min Scan# 375
 Delta R.T. 0.05 min
 Lab File: VL036325.D
 Acq: 10 Feb 2021 19:56

Tgt Ion: 45 Resp: 5074376
 Ion Ratio Lower Upper
 45 100
 58 0.0 1.9 2.9#





#20

Methvlene Chloride

Concen: 1.084 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.00 min

Lab File: VL036325.D

Acq: 10 Feb 2021 19:56

Instrument :

MSVOA_L

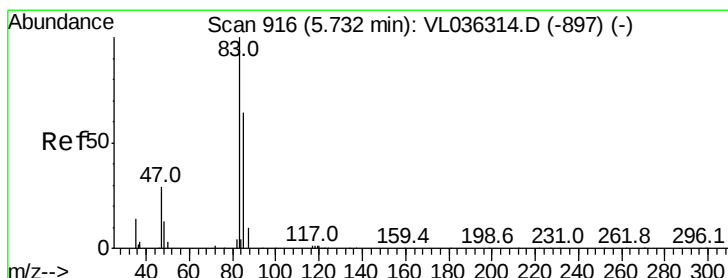
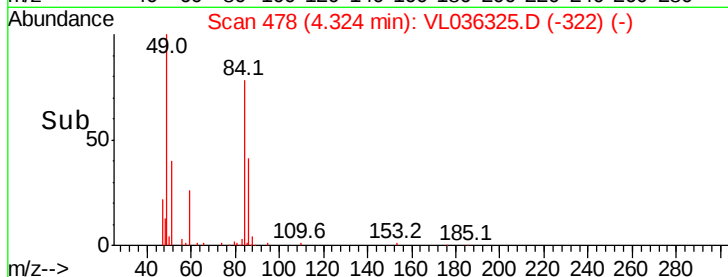
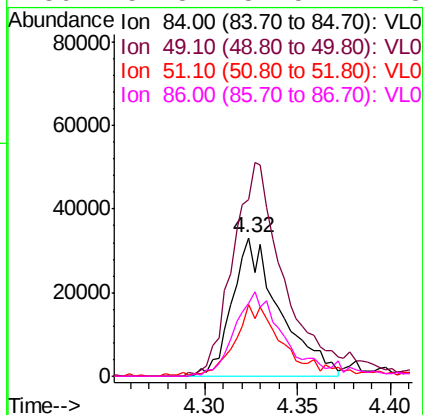
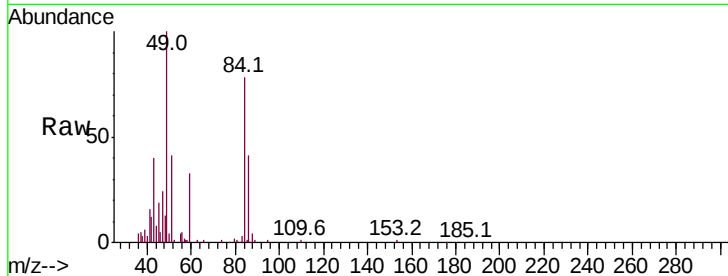
ClientSampleId :

SR-1B

Tot Ion:	84	Resp:	58889
Ion Ratio	Lower	Upper	
84	100		
49	124.6	133.8	200.8#
51	50.5	41.4	62.0
86	52.8	51.5	77.3

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#29

Chloroform

Concen: 0.151 ppbv m

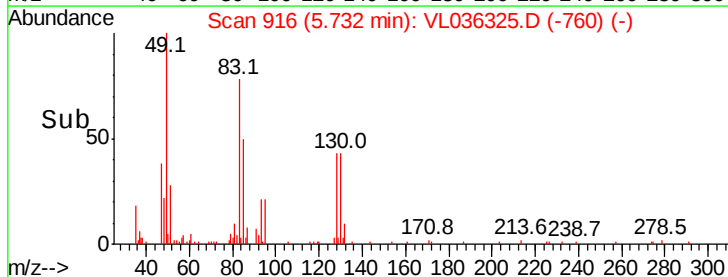
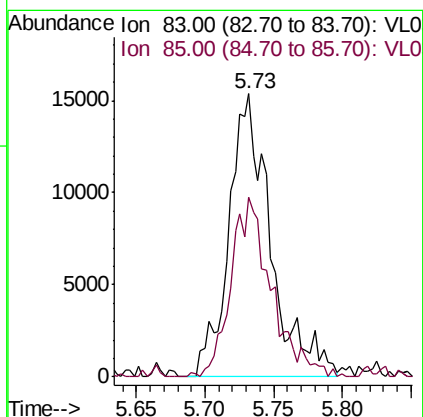
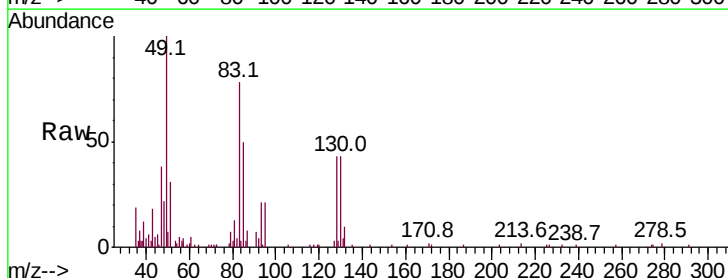
RT: 5.73 min Scan# 916

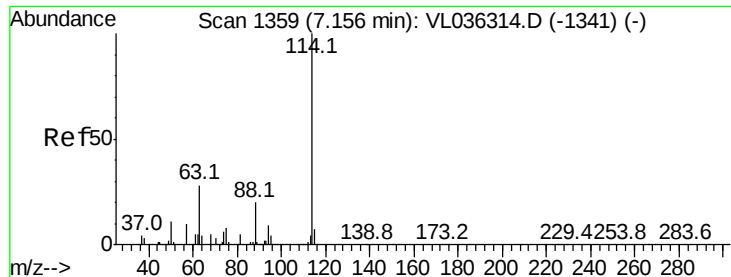
Delta R.T. -0.00 min

Lab File: VL036325.D

Acq: 10 Feb 2021 19:56

Tgt Ion:	83	Resp:	32424
Ion Ratio	Lower	Upper	
83	100		
85	63.3	51.4	77.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VL036325.D

Acq: 10 Feb 2021 19:56

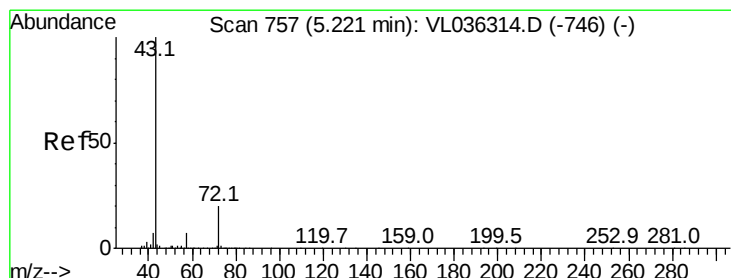
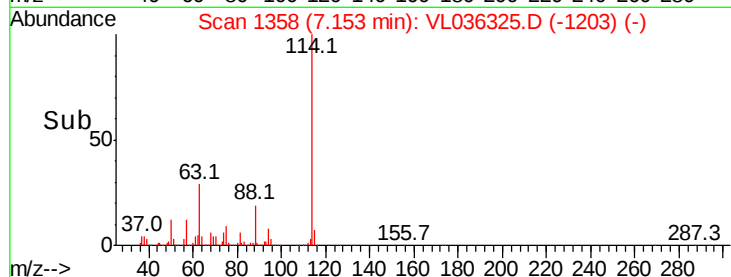
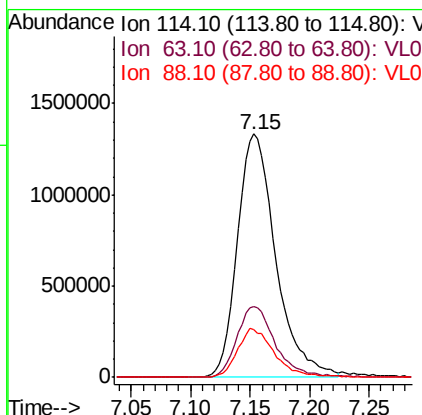
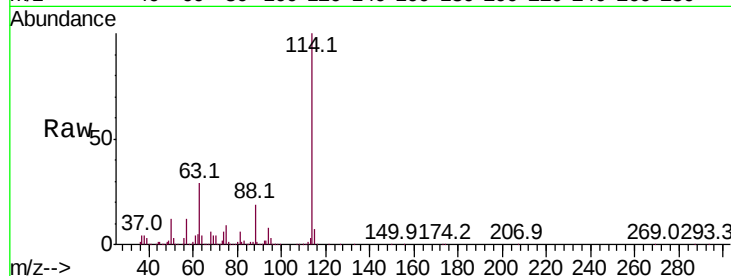
Instrument :
MSVOA_L

ClientSampleId :
SR-1B

Tot Ion	Ratio	Lower	Upper
114	100		
63	29.4	24.1	36.1
88	19.8	16.0	24.0

Manual Integrations
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#34

2-Butanone

Concen: 0.443 ppbv

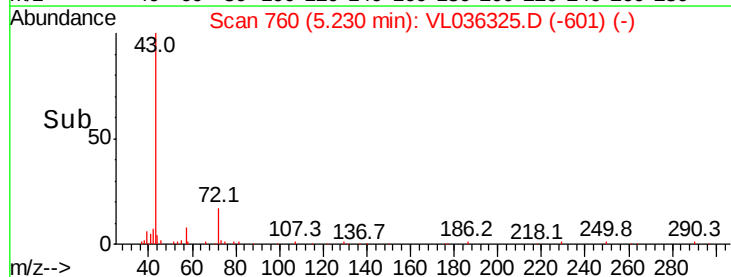
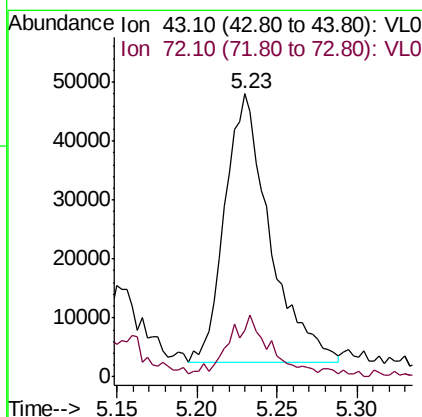
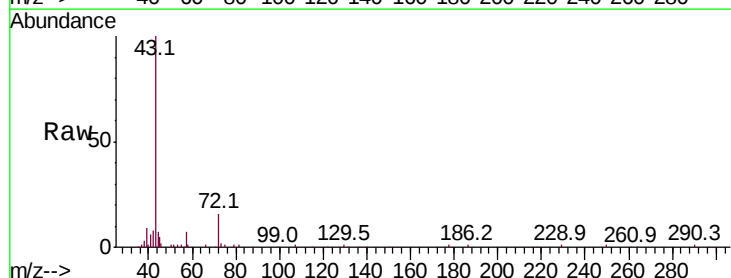
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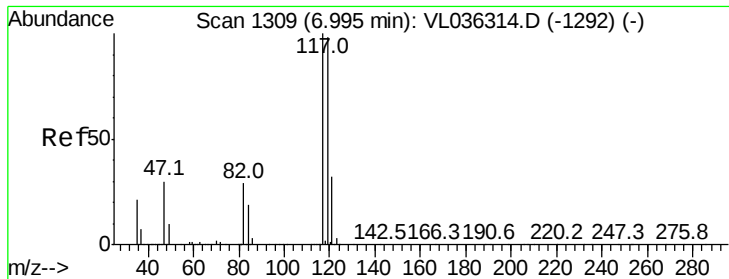
Delta R.T. 0.01 min

Lab File: VL036325.D

Acq: 10 Feb 2021 19:56

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.6	16.7	25.1





#35

Carbon Tetrachloride

Concen: 0.071 ppbv m

RT: 7.00 min Scan# 1309

Delta R.T. -0.00 min

Lab File: VL036325.D

Acq: 10 Feb 2021 19:56

Instrument :

MSVOA_L

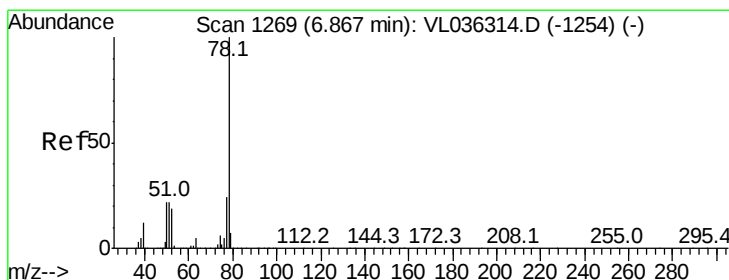
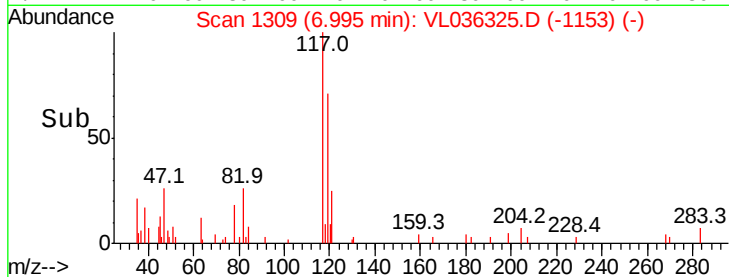
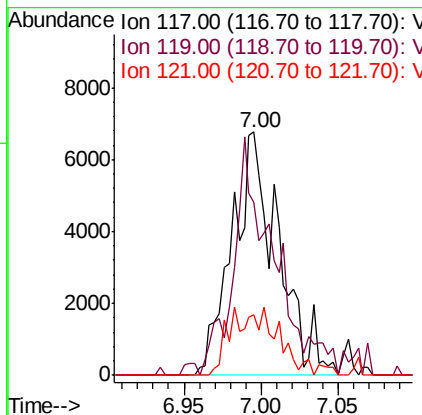
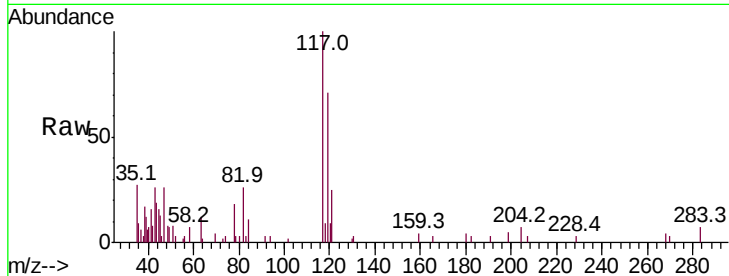
ClientSampled :

SR-1B

Tot Ion	Ratio	Lower	Upper
117	100		
119	70.9	78.1	117.1#
121	24.9	25.8	38.8#

Manual Integrations
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#36

Benzene

Concen: 1.689 ppbv

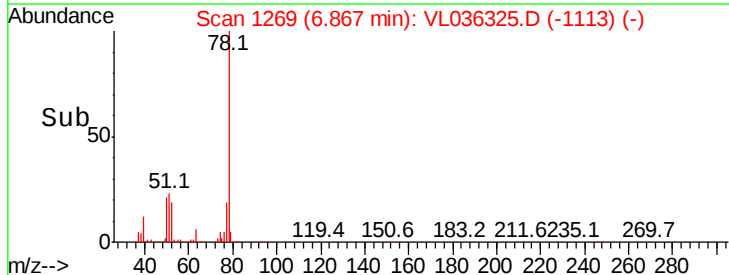
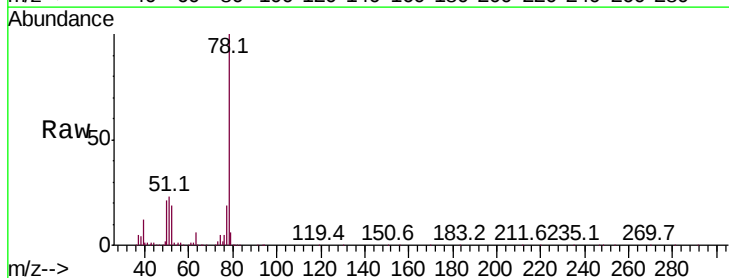
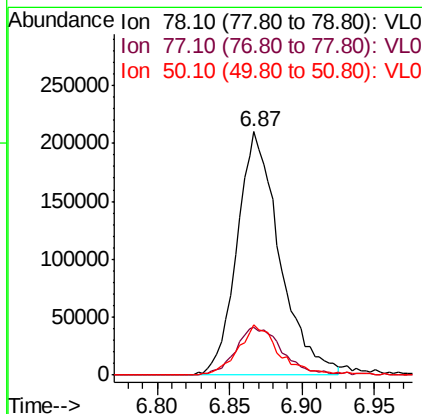
RT: 6.87 min Scan# 1269

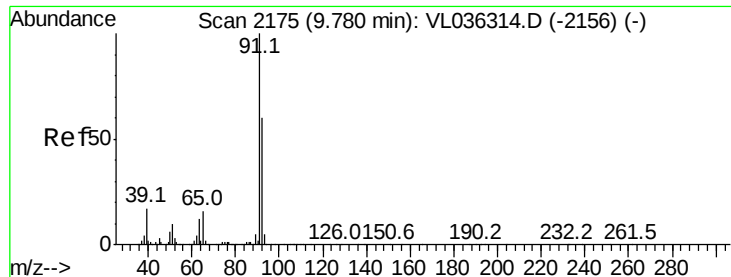
Delta R.T. 0.00 min

Lab File: VL036325.D

Acq: 10 Feb 2021 19:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	19.4	18.9	28.3
50	20.6	17.3	25.9





#53

Toluene

Concen: 0.536 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VL036325.D

Acq: 10 Feb 2021 19:56

Instrument :

MSVOA_L

ClientSampleId :

SR-1B

Tot Ion: 91 Resp: 146952

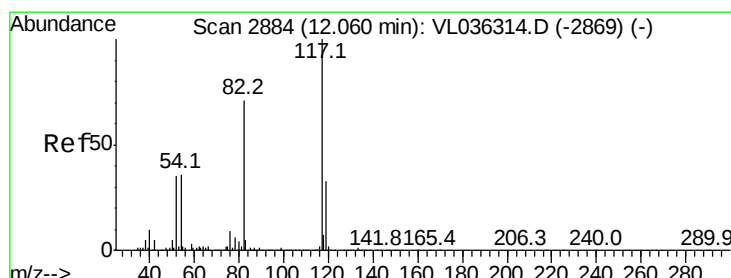
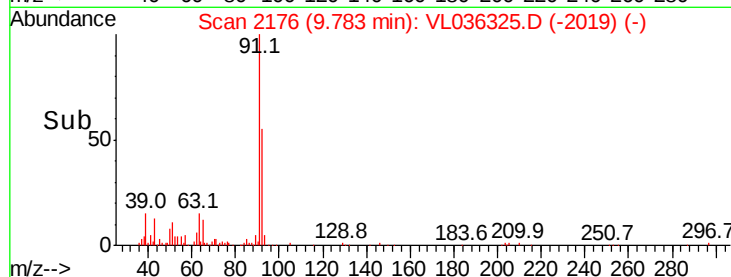
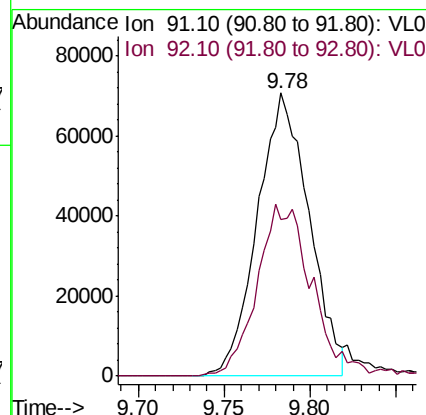
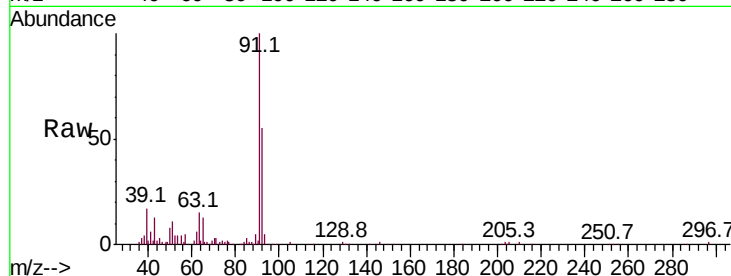
Ion Ratio Lower Upper

91 100

92 65.0 48.6 72.8

Manual Integrations
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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VL036325.D

Acq: 10 Feb 2021 19:56

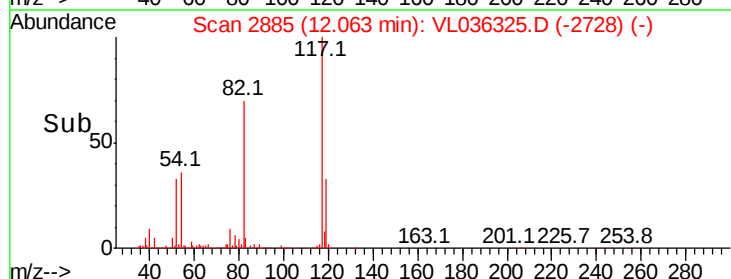
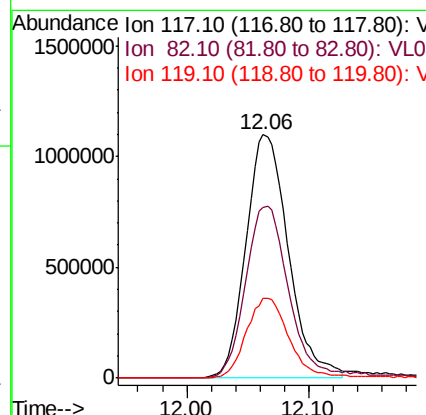
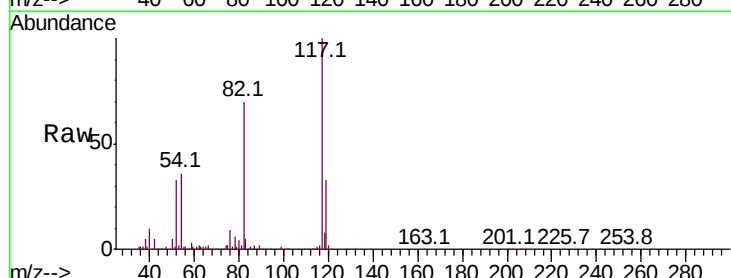
Tgt Ion: 117 Resp: 2638454

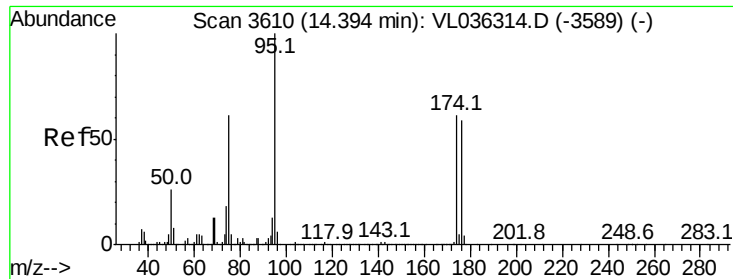
Ion Ratio Lower Upper

117 100

82 73.6 59.1 88.7

119 34.2 46.3 69.5#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.523 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. 0.00 min

Lab File: VL036325.D

Acq: 10 Feb 2021 19:56

Instrument :

MSVOA_L

ClientSampleId :

SR-1B

Tot Ion: 95 Resp: 2067353

Ion Ratio Lower Upper

95 100

174 67.1 49.8 74.6

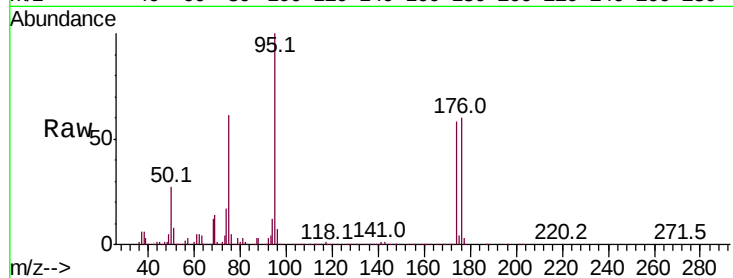
175 4.5 3.7 5.5

Manual Integrations

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Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

