

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032921\
 Data File : VL036553.D
 Acq On : 30 Mar 2021 00:18
 Operator : SY/AP
 Sample : M1759-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CR-103

Manual Integrations
 APPROVED

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 3/30/2021 7:44:28 PM

Quant Time: Mar 30 11:45:35 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Mar 2
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1524145	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	3437349	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	3025983	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2385029	9.89	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	58434	0.235	ppbv	99
3) Chlorodifluoromethane	2.97	51	68591m	0.241	ppbv	
4) Chloromethane	3.12	50	80101	0.796	ppbv	96
9) Propene	3.00	41	68650	0.756	ppbv	85
11) Trichlorofluoromethane	3.93	101	53468	0.211	ppbv	90
13) Ethanol	3.60	45	477221m	44.144	ppbv	
15) Acetone	3.83	43	2137518	14.249	ppbv	99
19) Isopropyl Alcohol	3.97	45	141425	1.714	ppbv #	89
20) Methylene Chloride	4.32	84	591554	8.422	ppbv	96
26) Hexane	5.67	57	1046652	6.324	ppbv #	47
34) 2-Butanone	5.23	43	136900	0.816	ppbv #	90
35) Carbon Tetrachloride	6.99	117	14968m	0.057	ppbv	
36) Benzene	6.87	78	61852m	0.195	ppbv	
53) Toluene	9.78	91	466592	1.382	ppbv	99
59) m/p-Xylene	12.94	91	40431m	0.105	ppbv	

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

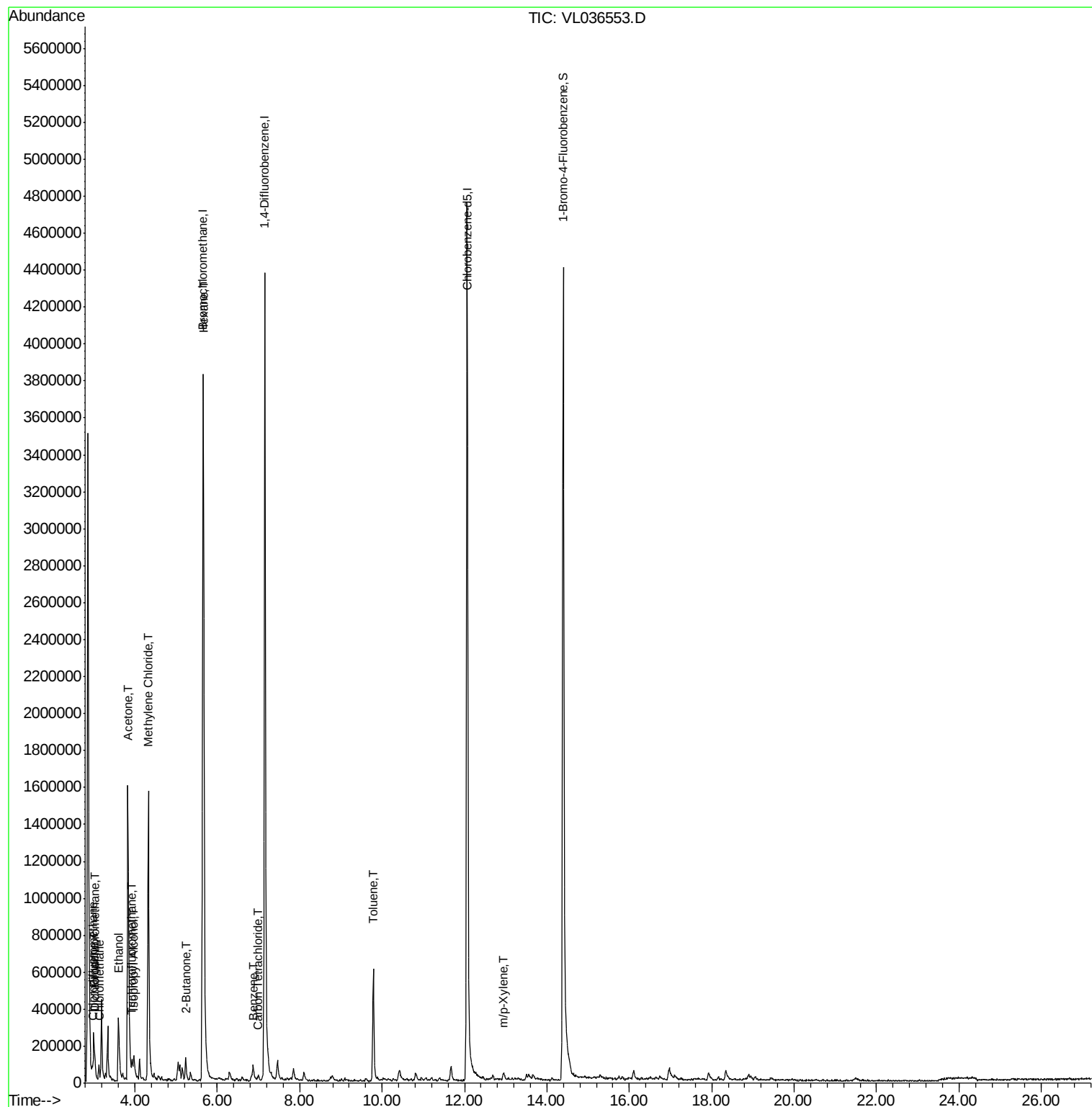
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032921\
Data File : VL036553.D
Acq On : 30 Mar 2021 00:18
Operator : SY/AP
Sample : M1759-01
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

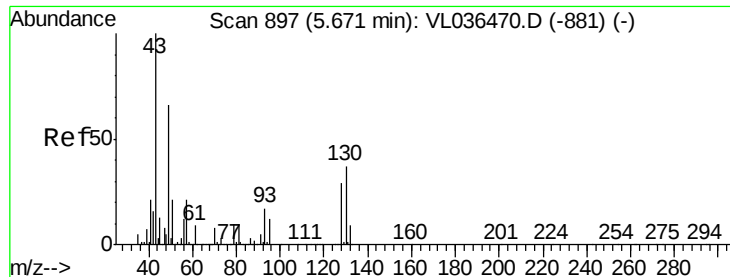
Instrument :
MSVOA_L
ClientSampleId :
CR-103

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Quant Time: Mar 30 11:45:35 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.03 min

Lab File: VL036553.D

Acq: 30 Mar 2021 00:18

Instrument :

MSVOA_L

ClientSampled :

CR-103

Tot Ion: 49 Resp: 1524145

Ion Ratio Lower Upper

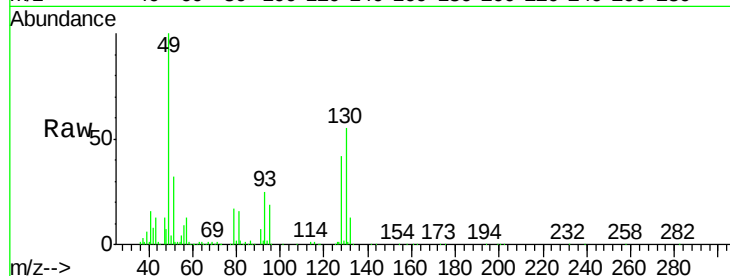
49 100

128 44.4 23.5 70.6

130 56.1 29.1 87.4

Manual Integrations
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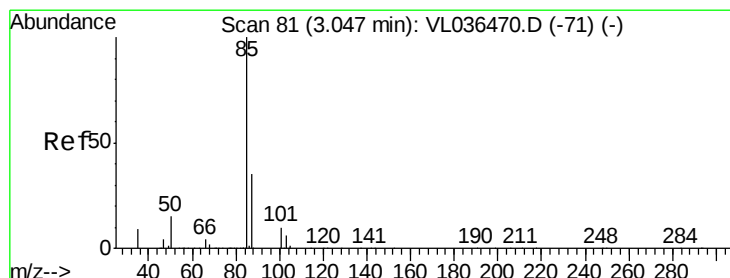
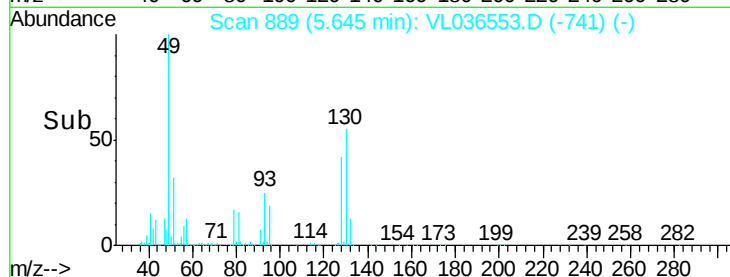
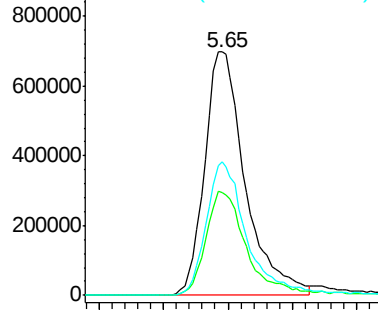
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.235 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.02 min

Lab File: VL036553.D

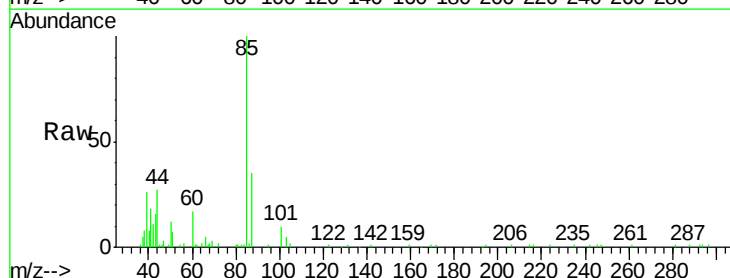
Acq: 30 Mar 2021 00:18

Tgt Ion: 85 Resp: 58434

Ion Ratio Lower Upper

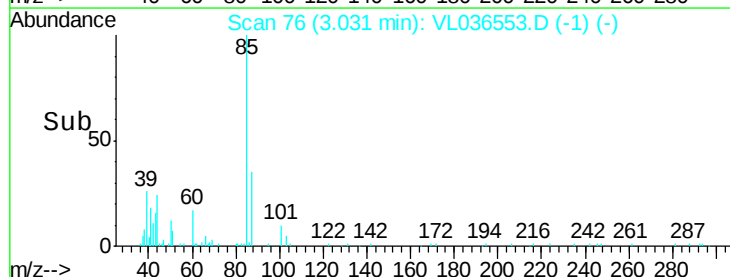
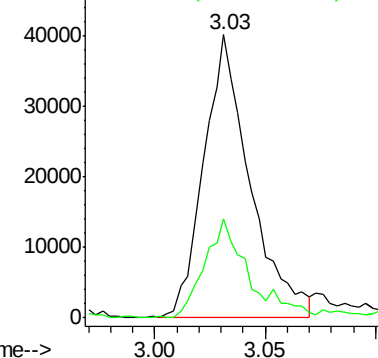
85 100

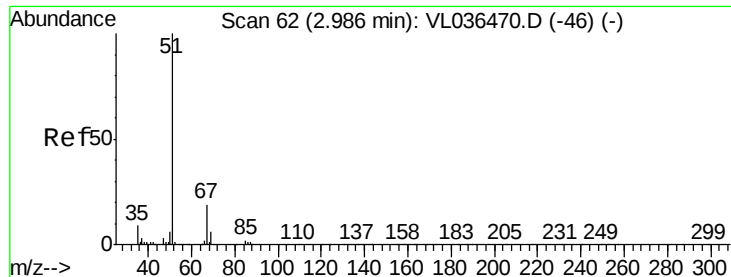
87 34.3 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

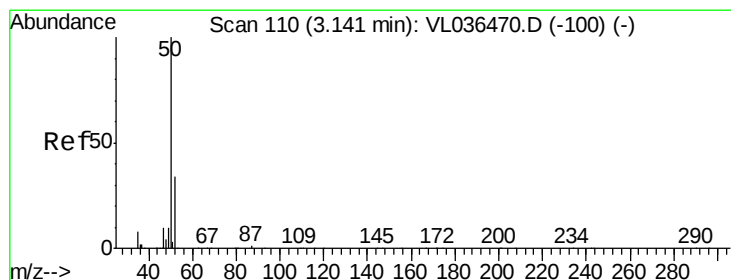
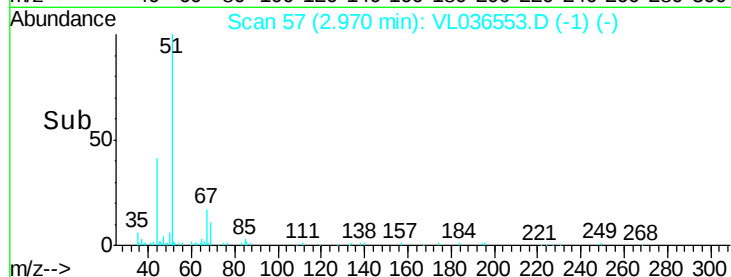
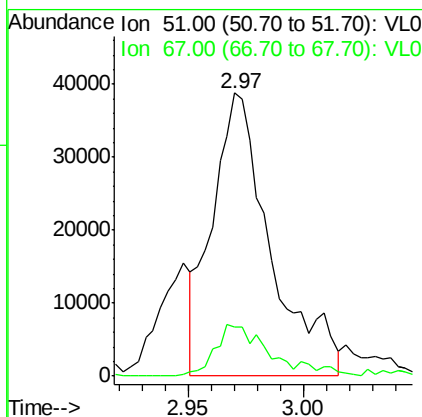
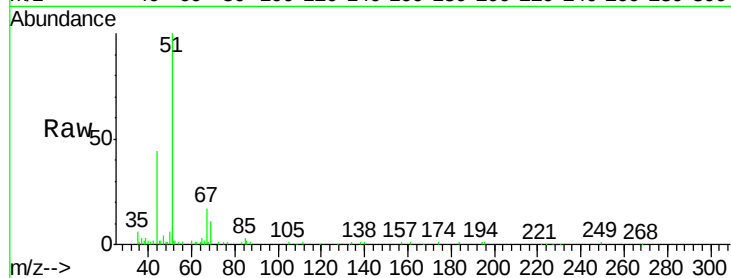
Chlorodifluoromethane
 Concen: 0.241 ppbv
 RT: 2.97 min Scan# 57
 Delta R.T. -0.02 min
 Lab File: VL036553.D
 Acq: 30 Mar 2021 00:18

Instrument :
 MSVOA_L
 ClientSampleId :
 CR-103

Tot Ion	Ratio	Lower	Upper
51	100		
67	0.8	14.7	22.1#

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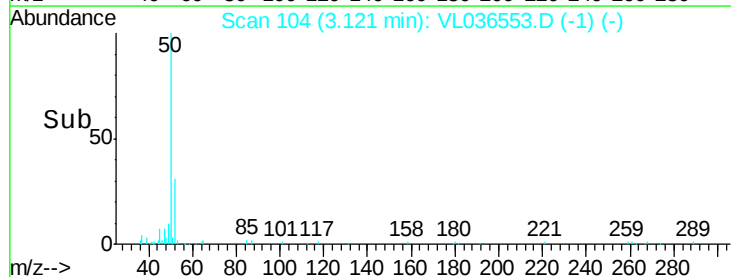
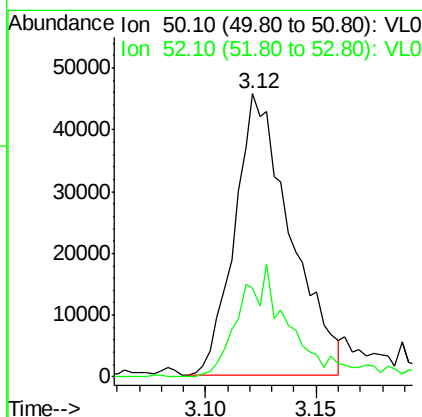
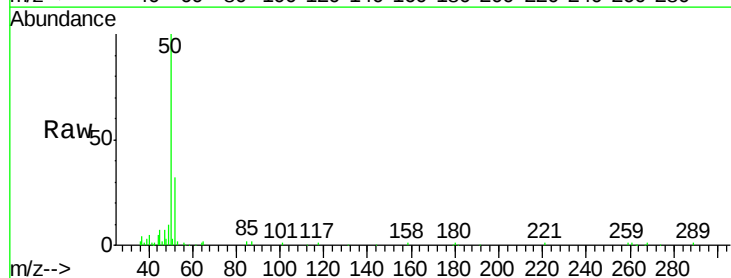
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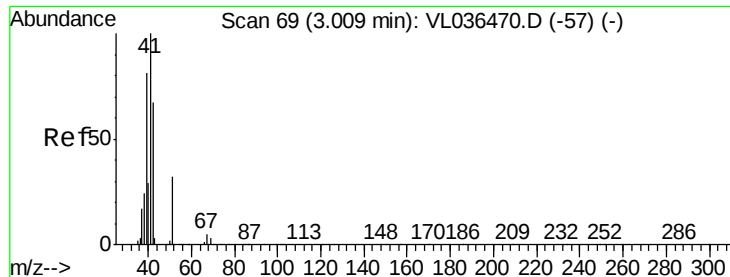


#4

Chloromethane
 Concen: 0.796 ppbv
 RT: 3.12 min Scan# 104
 Delta R.T. -0.02 min
 Lab File: VL036553.D
 Acq: 30 Mar 2021 00:18

Tgt Ion	Ratio	Lower	Upper
50	100		
52	31.8	27.0	40.6





#9

Propene

Concen: 0.756 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL036553.D

Acq: 30 Mar 2021 00:18

Instrument :

MSVOA_L

ClientSampleId :

CR-103

Tot Ion: 41 Resp: 68650

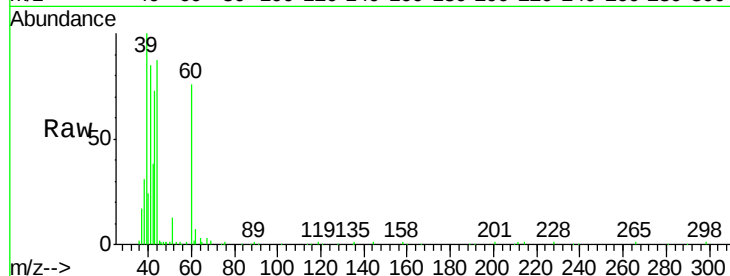
Ion Ratio Lower Upper

41 100

42 59.2 57.0 85.4

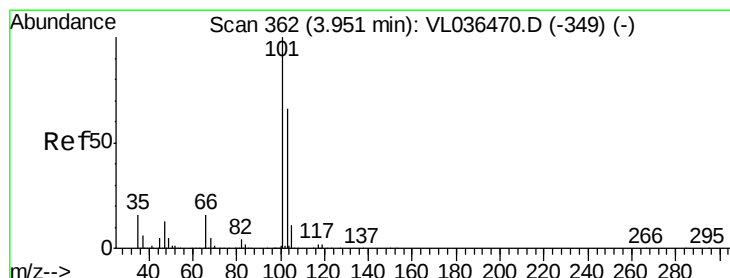
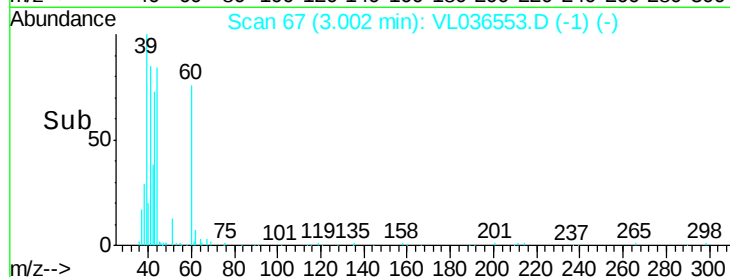
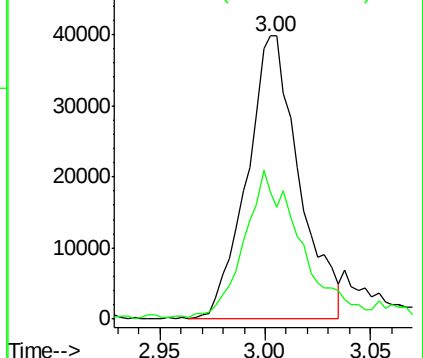
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#11

Trichlorofluoromethane

Concen: 0.211 ppbv

RT: 3.93 min Scan# 355

Delta R.T. -0.02 min

Lab File: VL036553.D

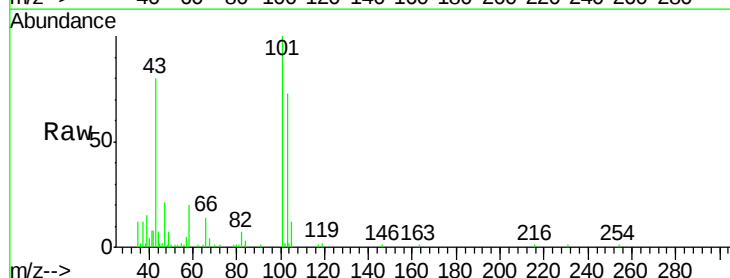
Acq: 30 Mar 2021 00:18

Tgt Ion: 101 Resp: 53468

Ion Ratio Lower Upper

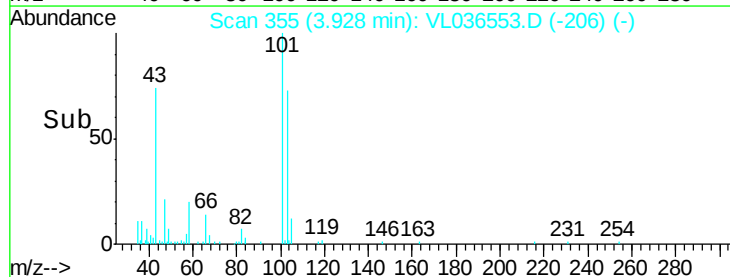
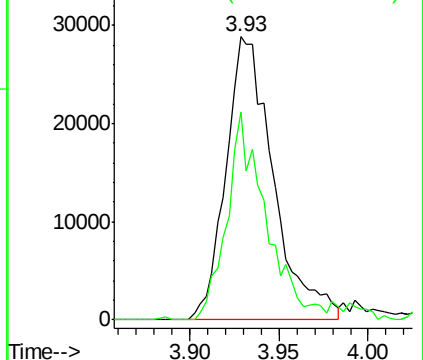
101 100

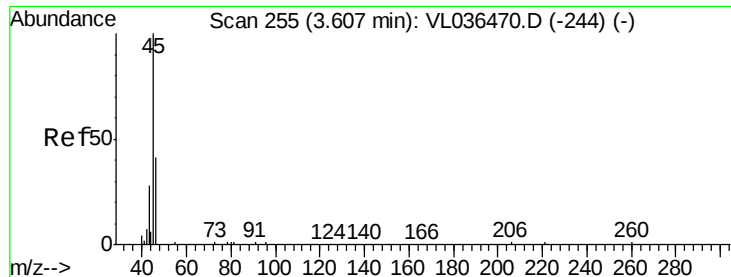
103 73.4 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





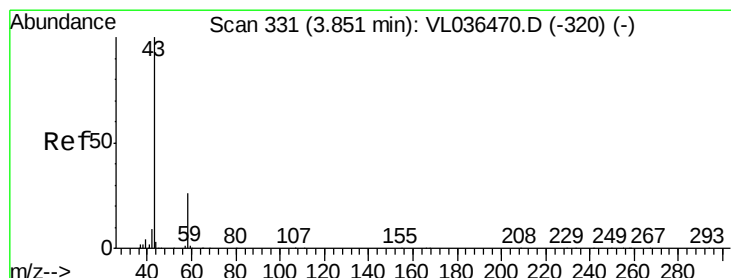
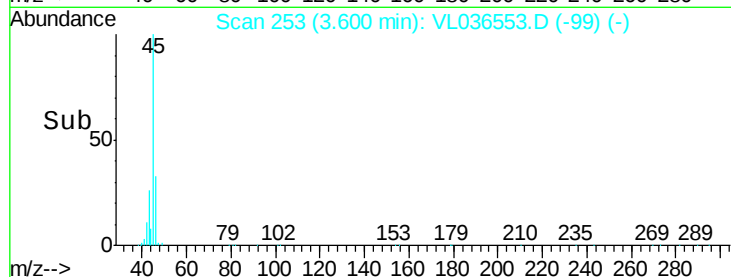
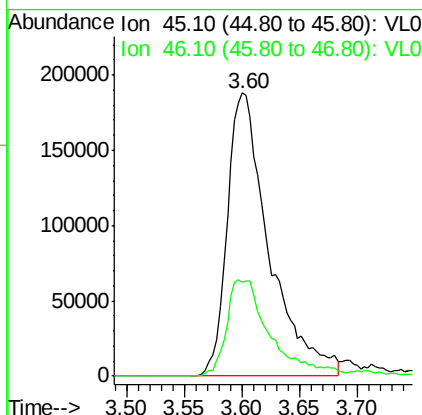
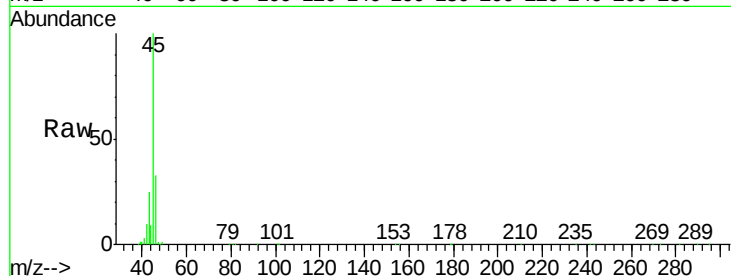
#13
Ethanol
Concen: 44.144 ppbv m
RT: 3.60 min Scan# 253
Delta R.T. -0.01 min
Lab File: VL036553.D
Acq: 30 Mar 2021 00:18

Instrument :
MSVOA_L
ClientSampleId :
CR-103

Tot Ion	45	46	Ratio	Lower	Upper
45	100				
46	35.5		16.6	66.2	

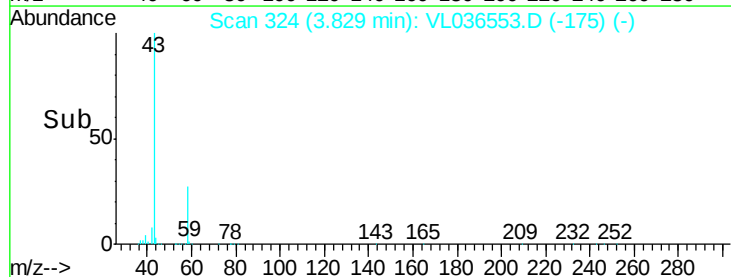
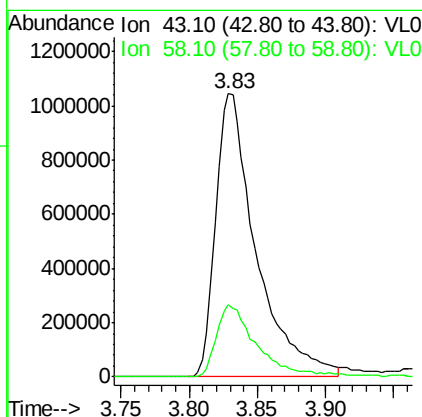
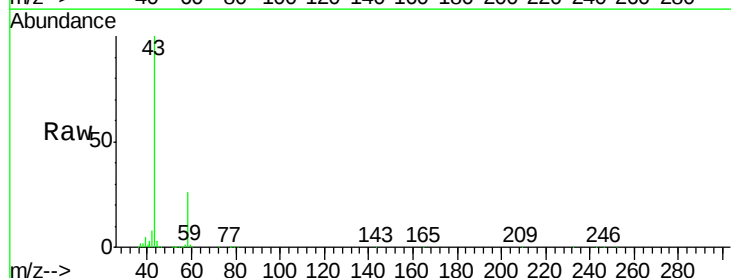
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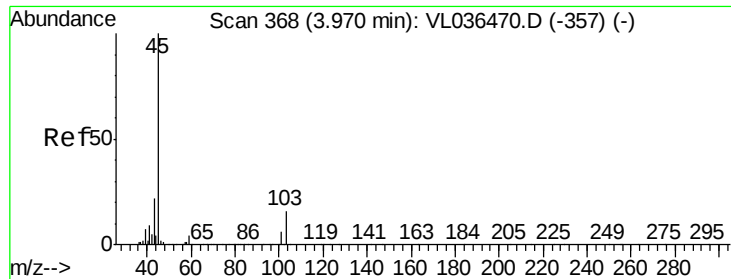
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#15
Acetone
Concen: 14.249 ppbv
RT: 3.83 min Scan# 324
Delta R.T. -0.02 min
Lab File: VL036553.D
Acq: 30 Mar 2021 00:18

Tgt Ion	43	58	Ratio	Lower	Upper
43	100				
58	26.2		21.2	31.8	





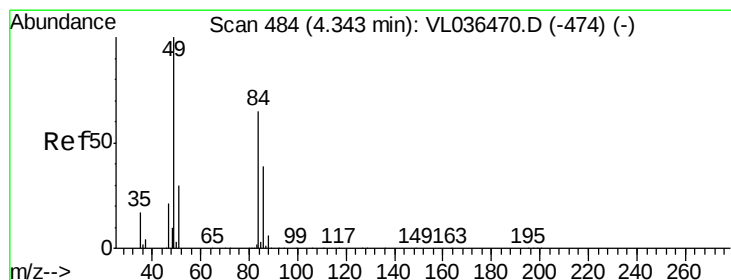
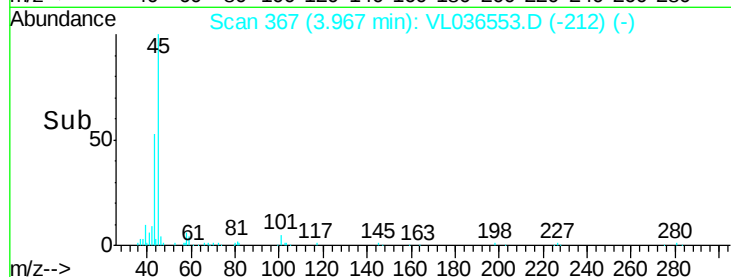
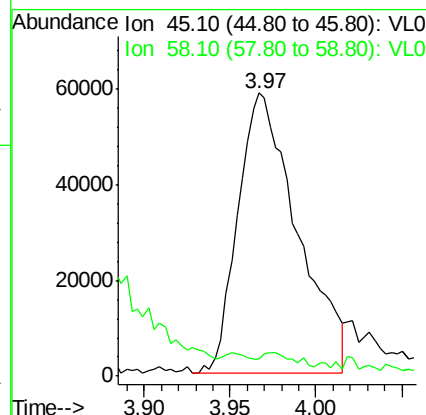
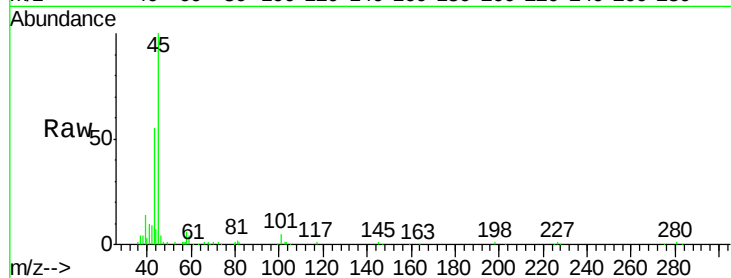
#19
Isopropyl Alcohol
Concen: 1.714 ppbv
RT: 3.97 min Scan# 367
Delta R.T. -0.00 min
Lab File: VL036553.D
Acq: 30 Mar 2021 00:18

Instrument :
MSVOA_L
ClientSampled :
CR-103

Tot Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.9	4.3#

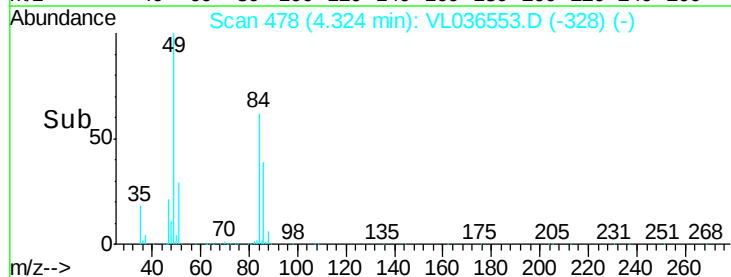
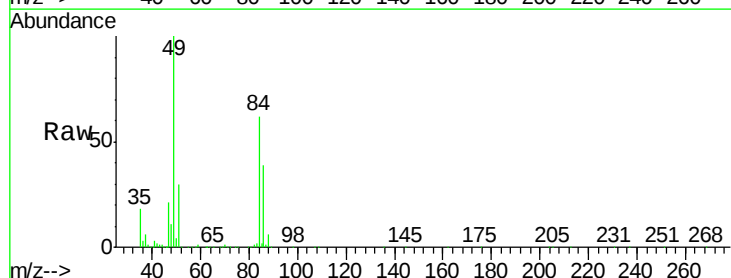
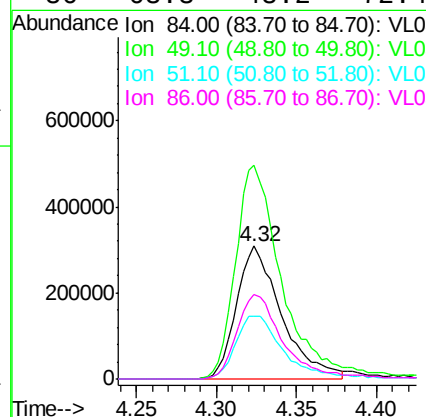
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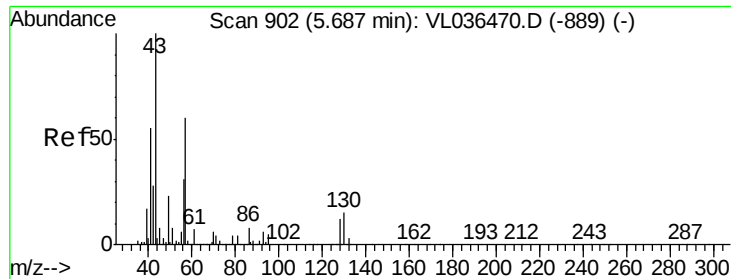
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#20
Methylene Chloride
Concen: 8.422 ppbv
RT: 4.32 min Scan# 478
Delta R.T. -0.02 min
Lab File: VL036553.D
Acq: 30 Mar 2021 00:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	160.5	122.9	184.3
51	47.3	36.9	55.3
86	63.3	48.2	72.4





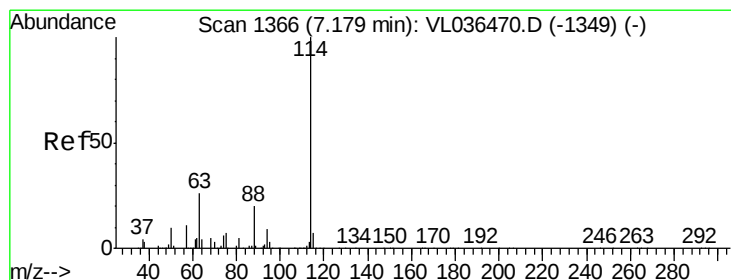
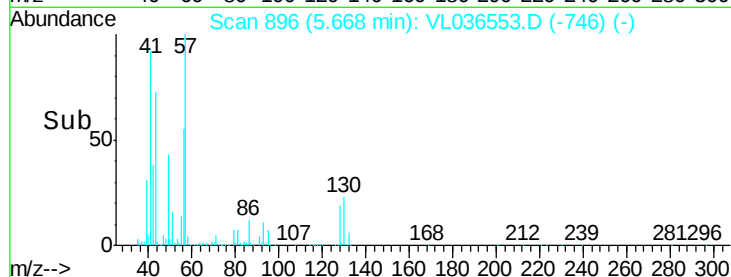
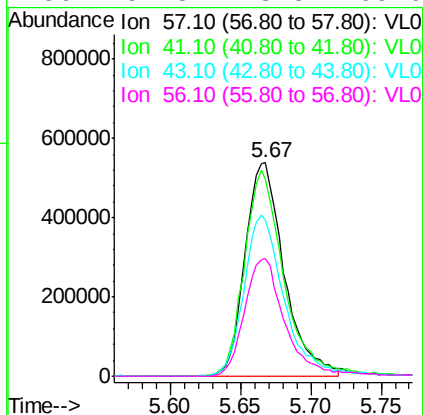
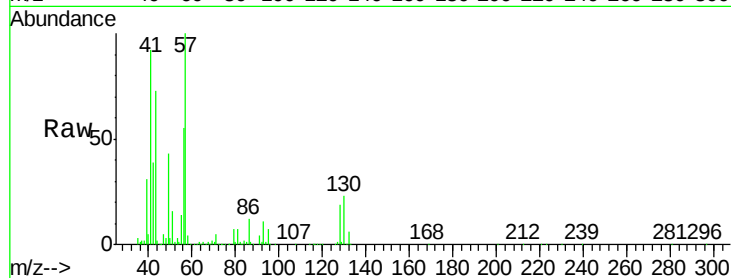
#26
Hexane
Concen: 6.324 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.02 min
Lab File: VL036553.D
Acq: 30 Mar 2021 00:18

Instrument :
MSVOA_L
ClientSampleId :
CR-103

Tot Ion	57	Resp	1046652
Ion	Ratio	Lower	Upper
57	100		
41	99.3	77.2	115.8
43	78.7	173.8	260.6#
56	57.8	43.8	65.6

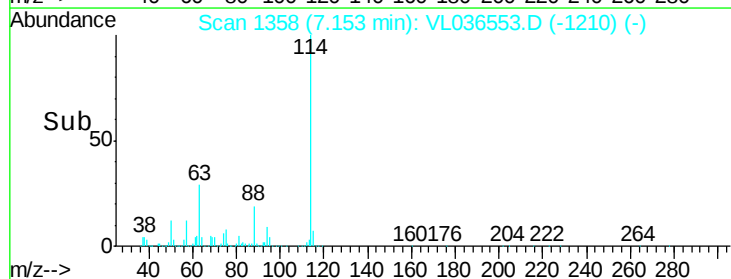
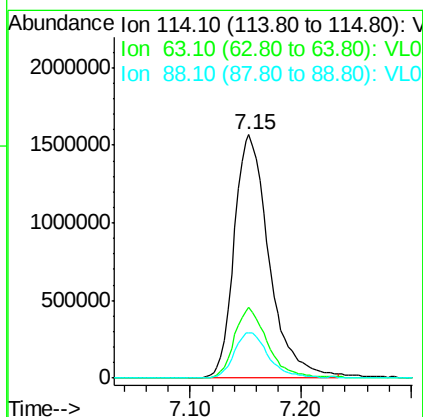
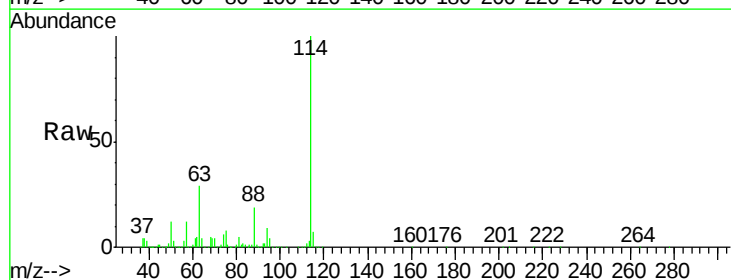
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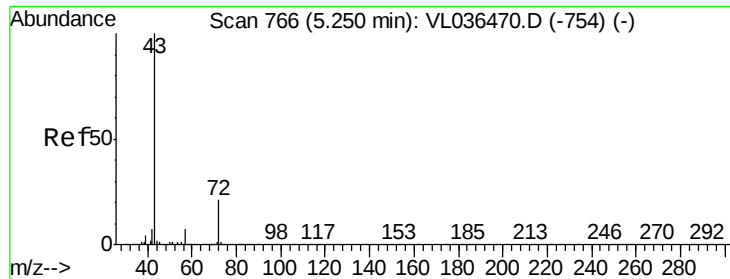
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. -0.03 min
Lab File: VL036553.D
Acq: 30 Mar 2021 00:18

Tgt Ion	114	Resp	3437349
Ion	Ratio	Lower	Upper
114	100		
63	28.3	22.4	33.6
88	18.9	15.4	23.0





#34

2-Butanone

Concen: 0.816 ppbv

RT: 5.23 min Scan# 760

Delta R.T. -0.02 min

Lab File: VL036553.D

Acq: 30 Mar 2021 00:18

Instrument :

MSVOA_L

ClientSampleId :

CR-103

Tot Ion: 43 Resp: 136900

Ion Ratio Lower Upper

43 100

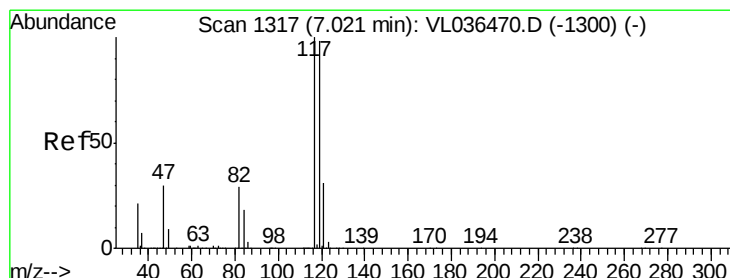
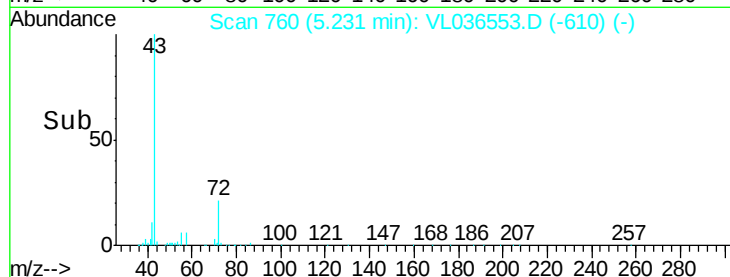
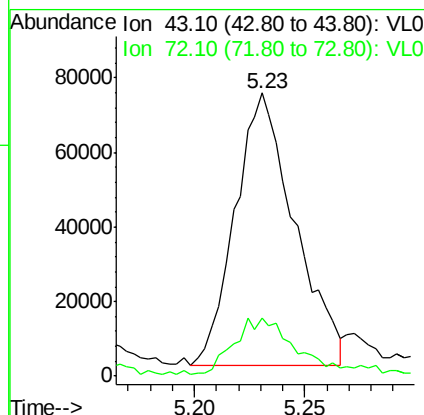
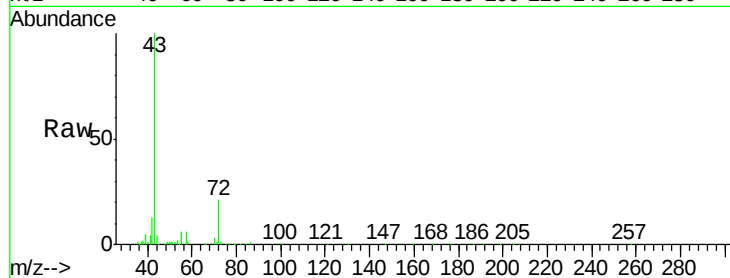
72 26.1 17.0 25.6#

Manual Integrations

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#35

Carbon Tetrachloride

Concen: 0.057 ppbv m

RT: 6.99 min Scan# 1308

Delta R.T. -0.03 min

Lab File: VL036553.D

Acq: 30 Mar 2021 00:18

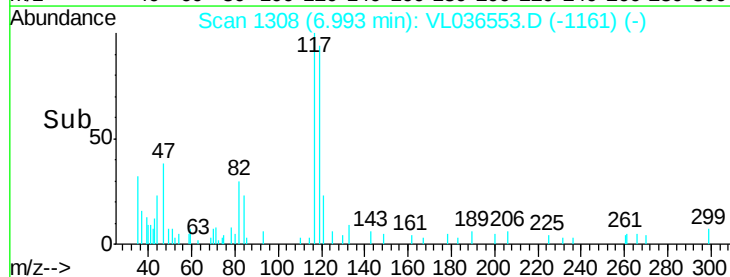
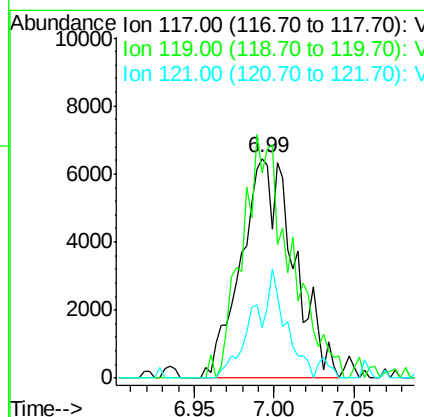
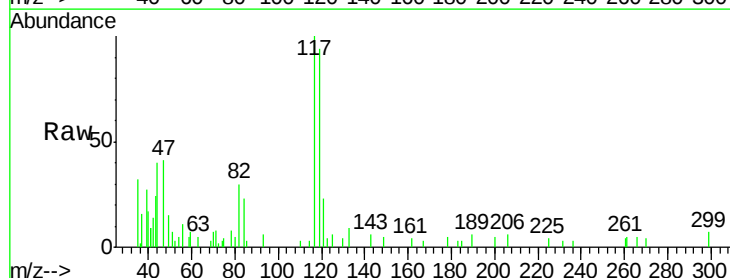
Tgt Ion: 117 Resp: 14968

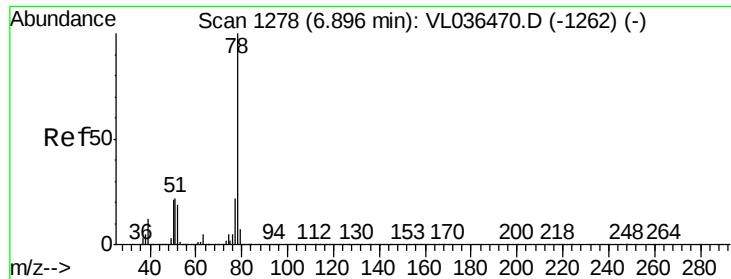
Ion Ratio Lower Upper

117 100

119 93.5 78.2 117.2

121 23.0 24.5 36.7#





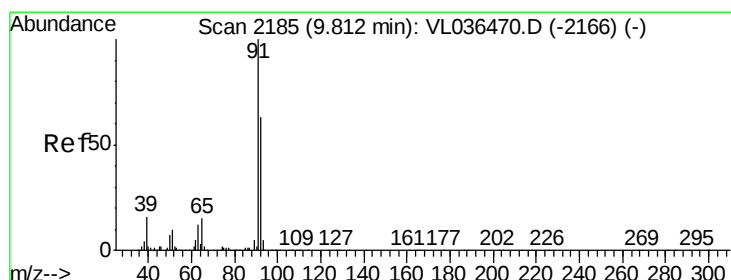
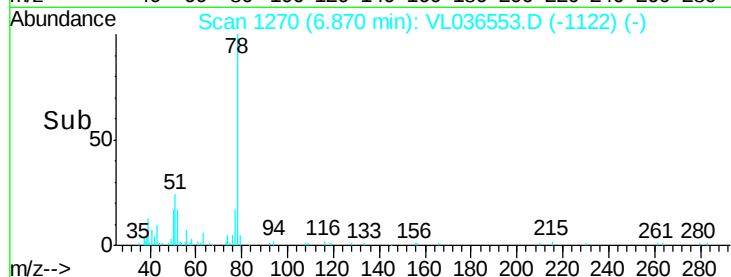
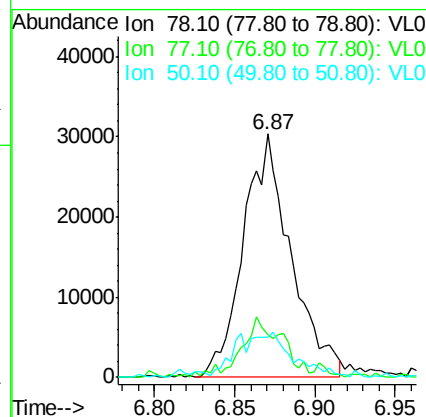
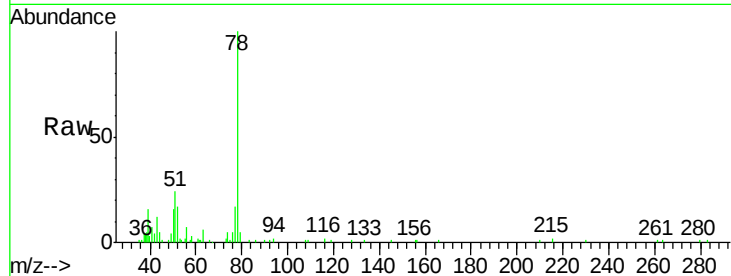
#36
Benzene
Concen: 0.195 ppbv m
RT: 6.87 min Scan# 1270
Delta R.T. -0.03 min
Lab File: VL036553.D
Acq: 30 Mar 2021 00:18

Instrument :
MSVOA_L
ClientSampleId :
CR-103

Tot Ion	Ratio	Lower	Upper
78	100		
77	17.4	18.0	27.0#
50	16.4	16.5	24.7#

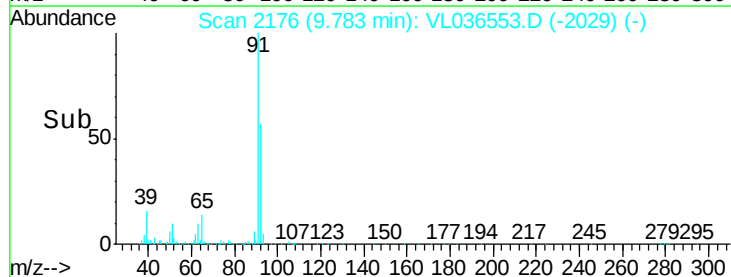
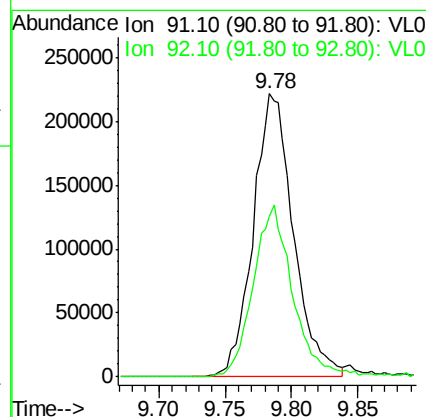
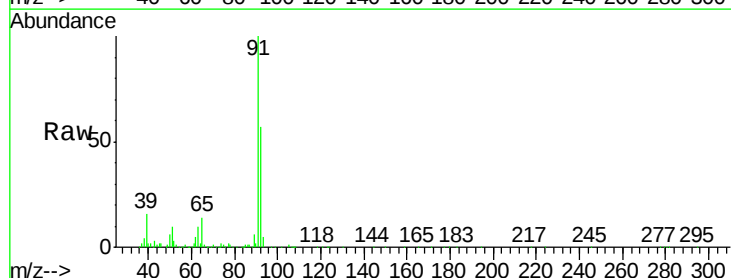
Manual Integrations
APPROVED

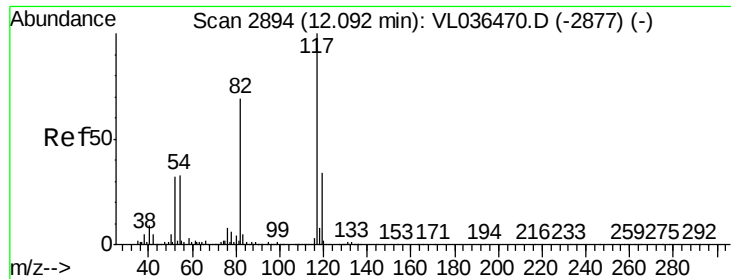
MMDadoda
3/30/2021 7:44:28 PM



#53
Toluene
Concen: 1.382 ppbv
RT: 9.78 min Scan# 2176
Delta R.T. -0.03 min
Lab File: VL036553.D
Acq: 30 Mar 2021 00:18

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.4	48.8	73.2





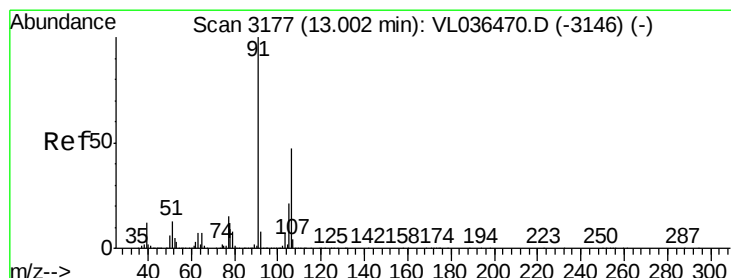
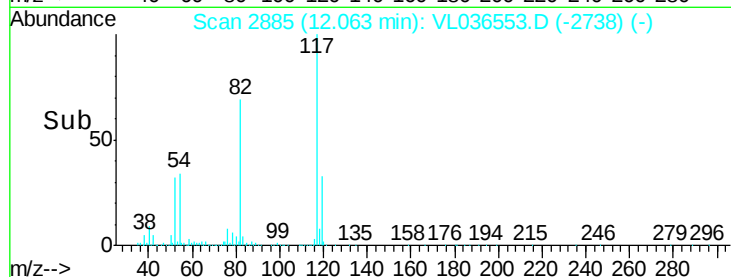
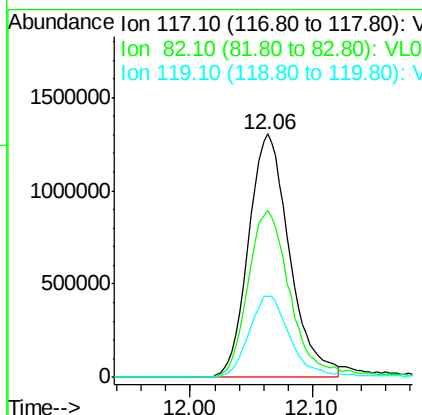
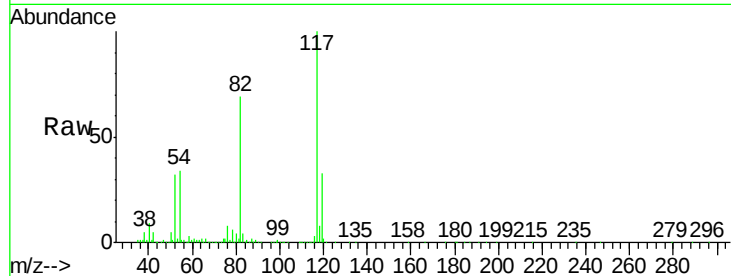
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2885
Delta R.T. -0.03 min
Lab File: VL036553.D
Acq: 30 Mar 2021 00:18

Instrument :
MSVOA_L
ClientSampleId :
CR-103

Tot Ion	Ratio	Lower	Upper
117	100		
82	73.3	57.4	86.0
119	34.7	47.4	71.0

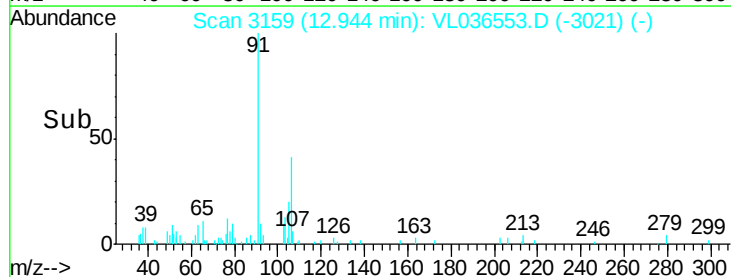
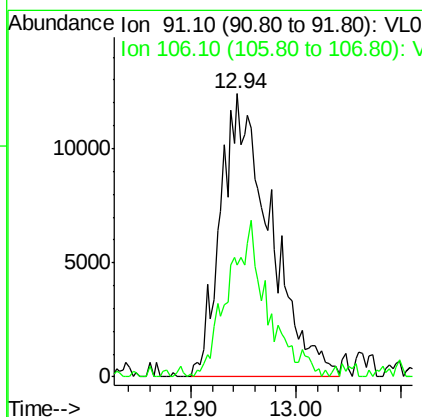
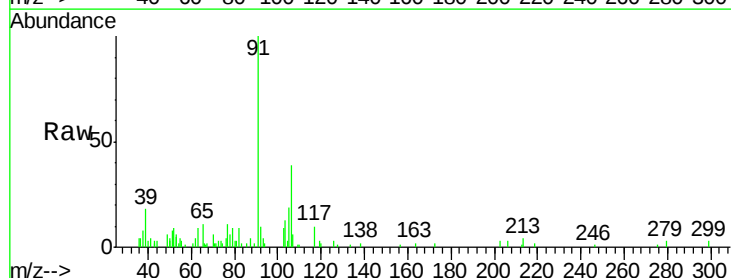
Manual Integrations
APPROVED

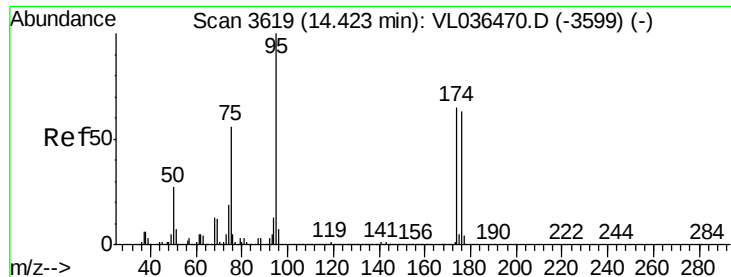
MMDadoda
3/30/2021 7:44:28 PM



#59
m/p-Xylene
Concen: 0.105 ppbv m
RT: 12.94 min Scan# 3159
Delta R.T. -0.06 min
Lab File: VL036553.D
Acq: 30 Mar 2021 00:18

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.3	52.9





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.889 ppbv
 RT: 14.39 min Scan# 3610
 Delta R.T. -0.03 min
 Lab File: VL036553.D
 Acq: 30 Mar 2021 00:18

Instrument :
 MSVOA_L
 ClientSampleId :
 CR-103

Tot Ion	Ratio	Lower	Upper
95	100		
174	65.9	51.0	76.6
175	4.9	3.9	5.9

Manual Integrations
 APPROVED

MMDadoda
 3/30/2021 7:44:28 PM

