

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033021\
 Data File : VL036564.D
 Acq On : 30 Mar 2021 10:57
 Operator : SY/AP
 Sample : M1759-03DUP
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CR-104DUP

Manual Integrations
 APPROVED

MMDadoda
 4/1/2021 10:57:54 AM

Quant Time: Mar 31 16:18:09 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu 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	5.64	49	1346517	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	2983769	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.05	117	2681238	10.00	ppbv	-0.04

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.38	95	2074869	9.71	ppbv	-0.04	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	40318	0.184	ppbv	89
3) Chlorodifluoromethane	2.97	51	84724	0.337	ppbv #	88
4) Chloromethane	3.12	50	42879	0.483	ppbv #	76
9) Propene	3.00	41	66511m	0.829	ppbv	
11) Trichlorofluoromethane	3.93	101	51754m	0.231	ppbv	
13) Ethanol	3.59	45	203669m	21.325	ppbv	
15) Acetone	3.83	43	1351742	10.200	ppbv	97
19) Isopropyl Alcohol	3.96	45	128094m	1.757	ppbv	
20) Methylene Chloride	4.32	84	294309	4.743	ppbv	97
26) Hexane	5.66	57	841990	5.759	ppbv #	46
34) 2-Butanone	5.23	43	46826m	0.322	ppbv	
35) Carbon Tetrachloride	7.00	117	15062m	0.066	ppbv	
36) Benzene	6.86	78	51022	0.185	ppbv #	86
53) Toluene	9.78	91	650511	2.220	ppbv	100
59) m/p-Xylene	12.94	91	45265m	0.133	ppbv	
61) Styrene	13.50	104	38186m	0.231	ppbv	

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

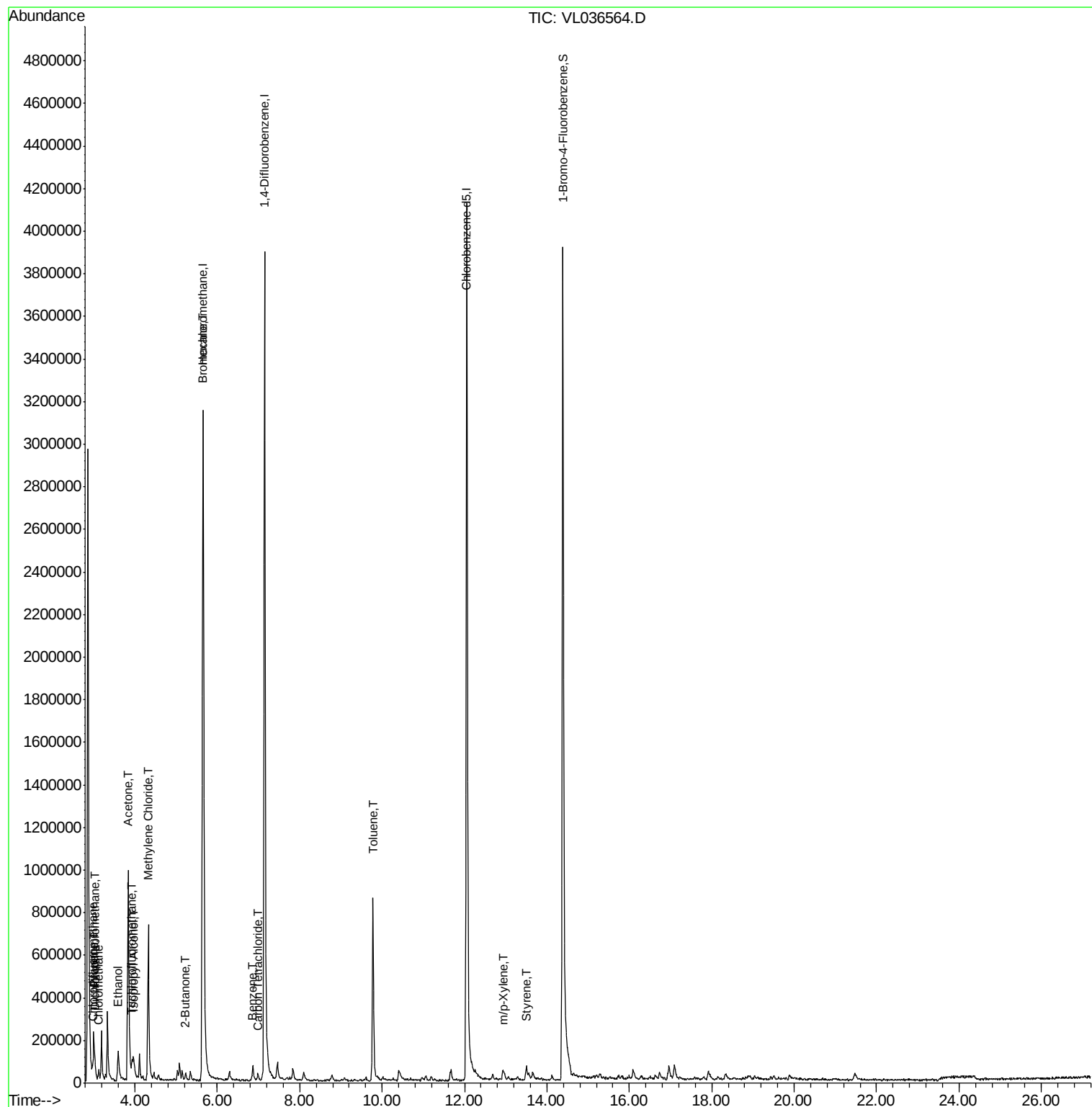
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL033021\
Data File : VL036564.D
Acq On : 30 Mar 2021 10:57
Operator : SY/AP
Sample : M1759-03DUP
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

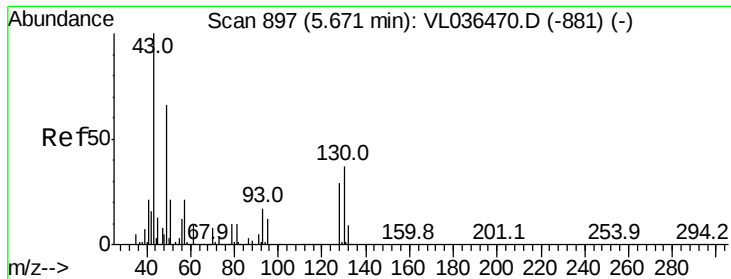
Instrument :
MSVOA_L
ClientSampleId :
CR-104DUP

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4/1/2021 10:57:54 AM

Quant Time: Mar 31 16:18:09 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: 5.64 min Scan# 887

Delta R.T. -0.03 min

Lab File: VL036564.D

Acq: 30 Mar 2021 10:57

Instrument :

MSVOA_L

ClientSampleId :

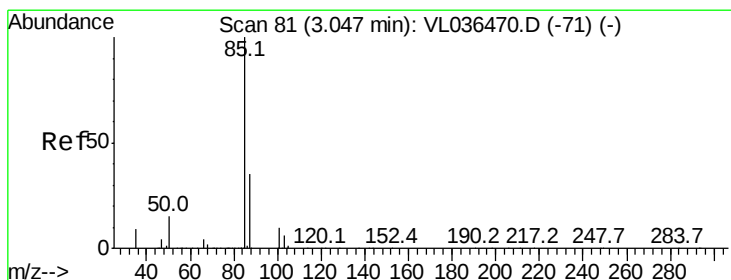
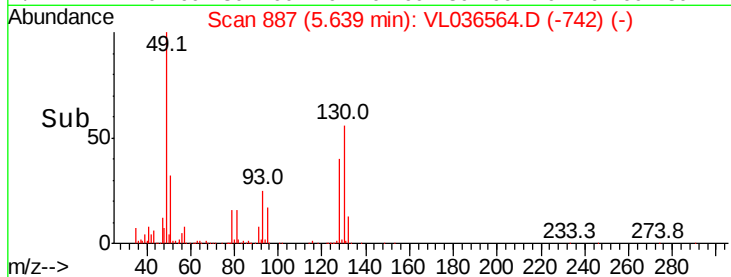
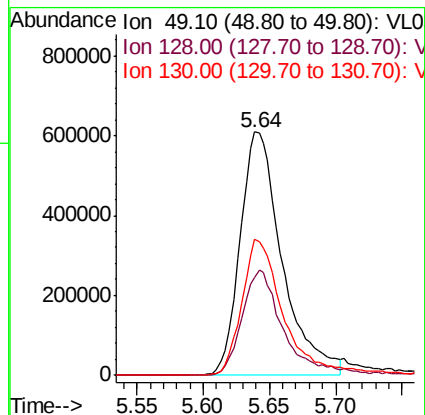
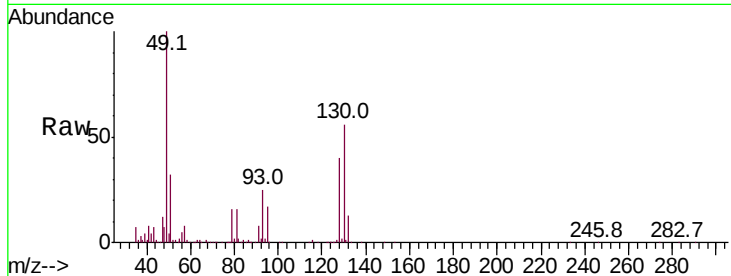
CR-104DUP

Tot Ion: 49 Resp: 1346517

Ion	Ratio	Lower	Upper
49	100		
128	43.6	23.5	70.6
130	57.9	29.1	87.4

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#2

Dichlorodifluoromethane

Concen: 0.184 ppbv

RT: 3.03 min Scan# 76

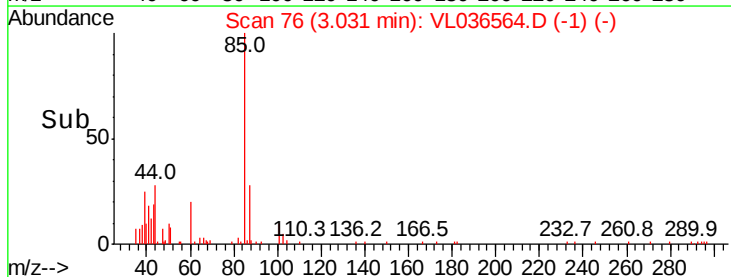
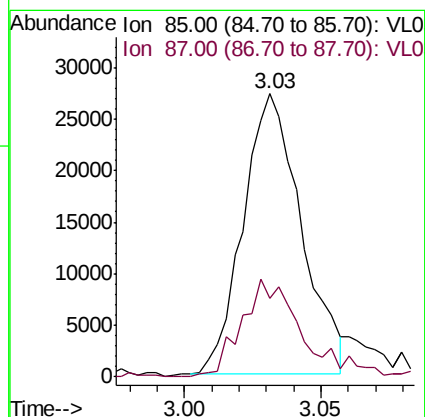
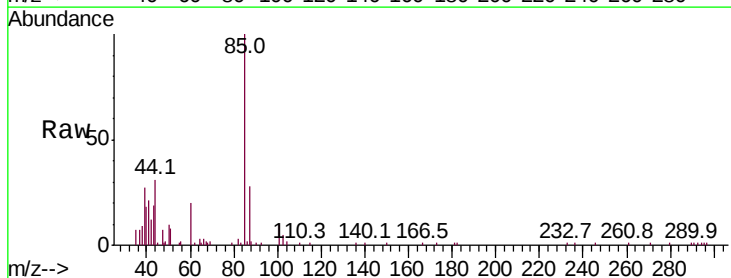
Delta R.T. -0.02 min

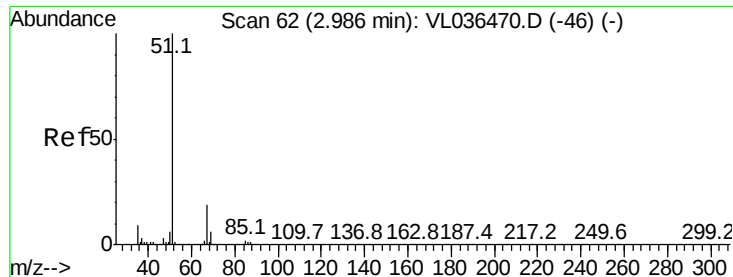
Lab File: VL036564.D

Acq: 30 Mar 2021 10:57

Tgt Ion: 85 Resp: 40318

Ion	Ratio	Lower	Upper
85	100		
87	28.2	27.8	41.8





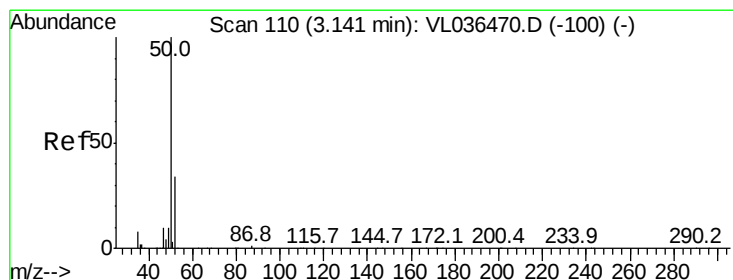
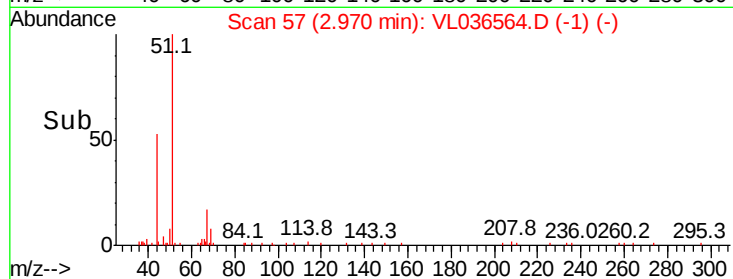
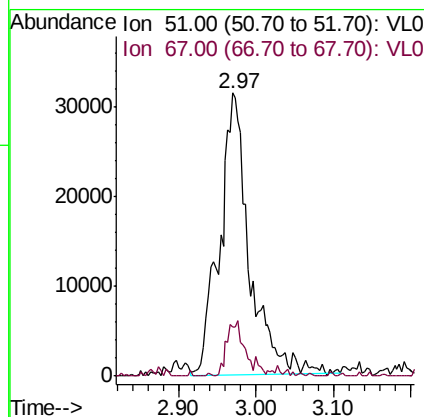
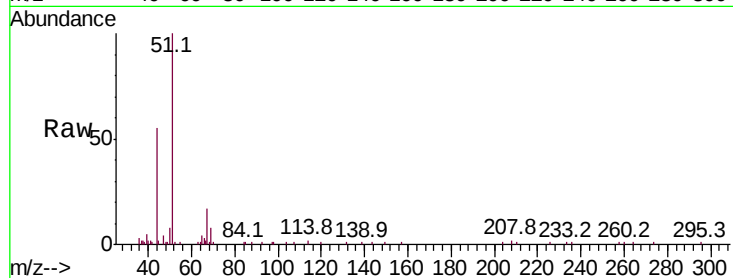
#3
Chlorodifluoromethane
Concen: 0.337 ppbv
RT: 2.97 min Scan# 57
Delta R.T. -0.02 min
Lab File: VL036564.D
Acq: 30 Mar 2021 10:57

Instrument :
MSVOA_L
ClientSampleId :
CR-104DUP

Tot Ion	Ratio	Lower	Upper
51	100		
67	13.1	14.7	22.1#

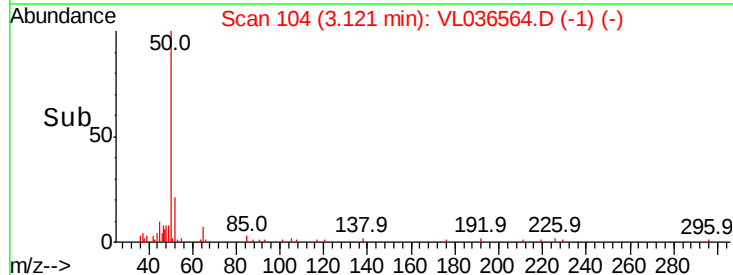
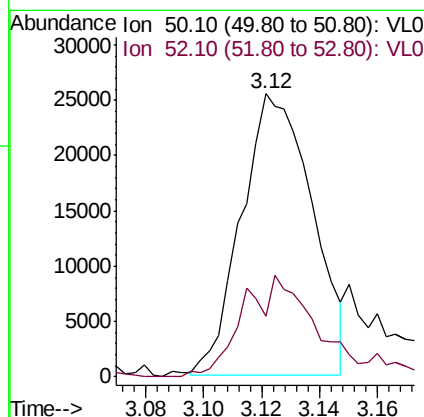
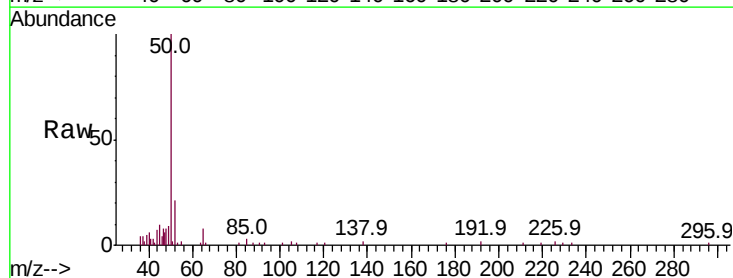
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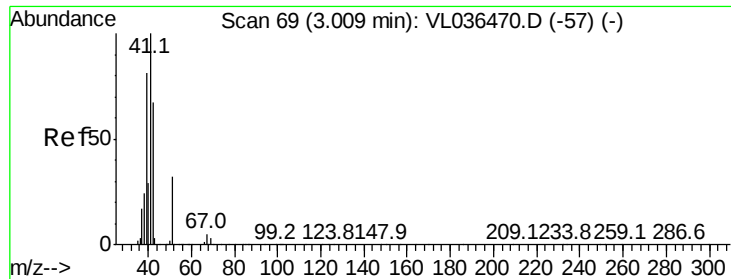
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#4
Chloromethane
Concen: 0.483 ppbv
RT: 3.12 min Scan# 104
Delta R.T. -0.02 min
Lab File: VL036564.D
Acq: 30 Mar 2021 10:57

Tgt Ion	Ratio	Lower	Upper
50	100		
52	20.3	27.0	40.6#





#9

Propene

Concen: 0.829 ppbv m

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL036564.D

Acq: 30 Mar 2021 10:57

Instrument :

MSVOA_L

ClientSampleId :

CR-104DUP

Tot Ion: 41 Resp: 66511

Ion Ratio Lower Upper

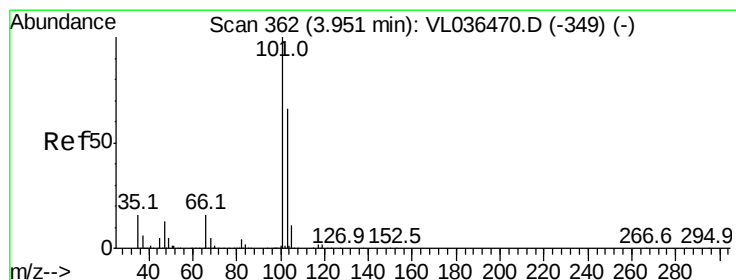
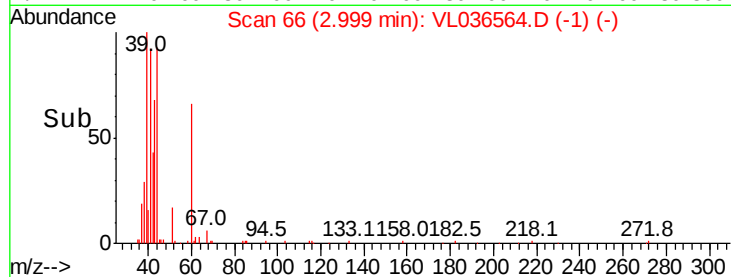
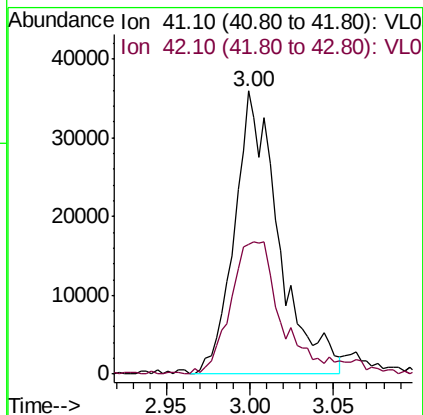
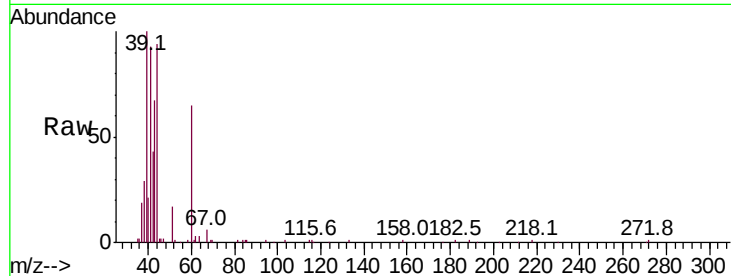
41 100

42 56.6 57.0 85.4#

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#11

Trichlorofluoromethane

Concen: 0.231 ppbv m

RT: 3.93 min Scan# 356

Delta R.T. -0.02 min

Lab File: VL036564.D

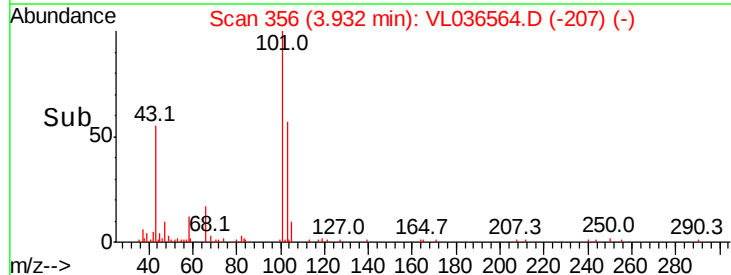
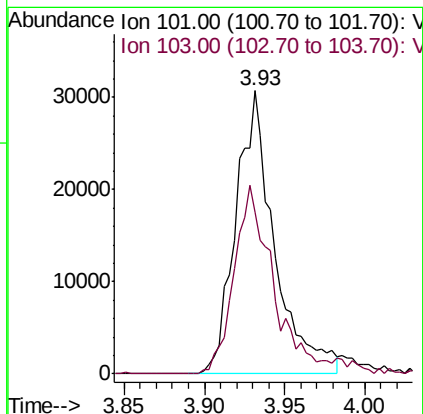
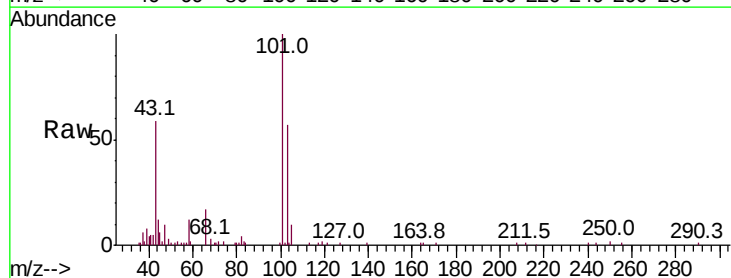
Acq: 30 Mar 2021 10:57

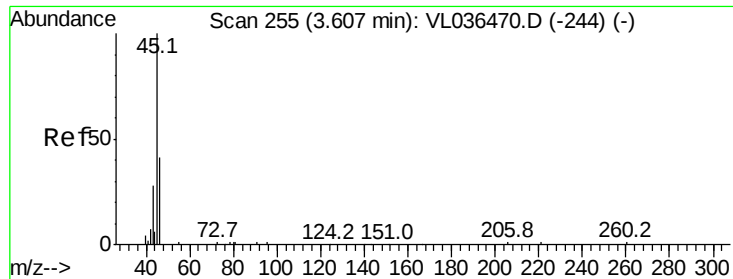
Tgt Ion: 101 Resp: 51754

Ion Ratio Lower Upper

101 100

103 57.4 52.5 78.7





#13

Ethanol

Concen: 21.325 ppbv m

RT: 3.59 min Scan# 251

Delta R.T. -0.01 min

Lab File: VL036564.D

Acq: 30 Mar 2021 10:57

Instrument :

MSVOA_L

ClientSampleId :

CR-104DUP

Tot Ion: 45 Resp: 203669

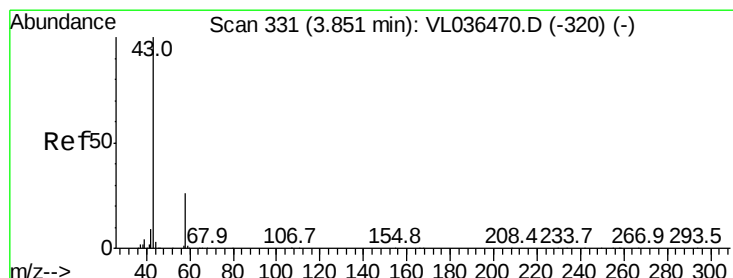
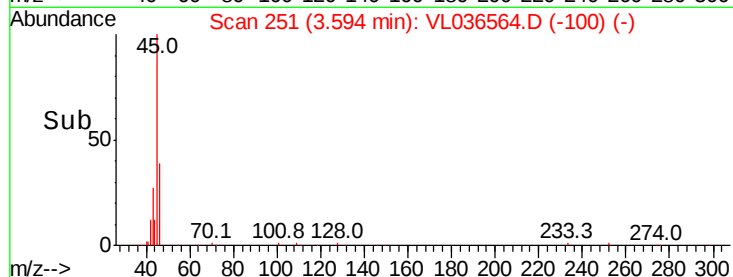
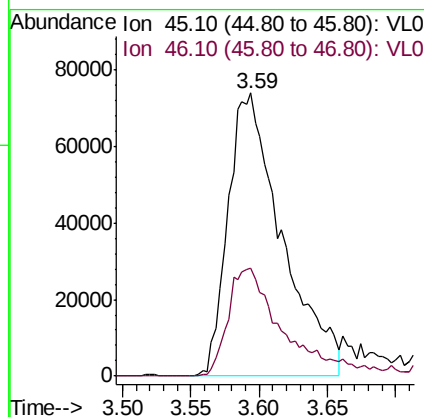
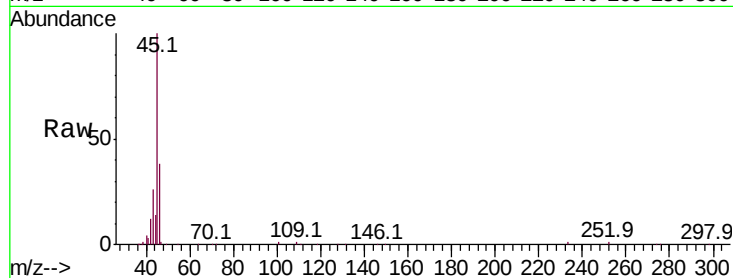
Ion Ratio Lower Upper

45 100

46 0.0 16.6 66.2#

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#15

Acetone

Concen: 10.200 ppbv

RT: 3.83 min Scan# 324

Delta R.T. -0.02 min

Lab File: VL036564.D

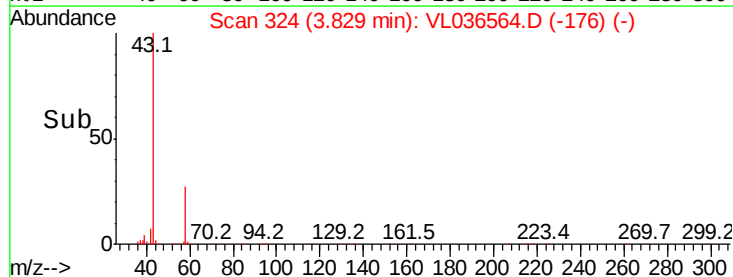
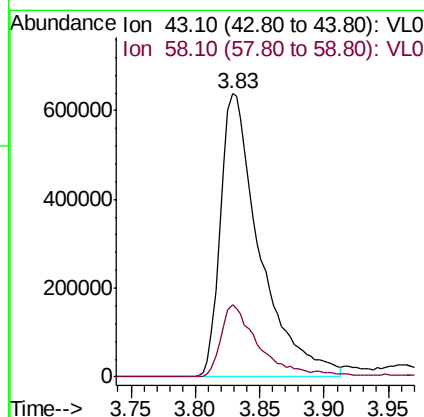
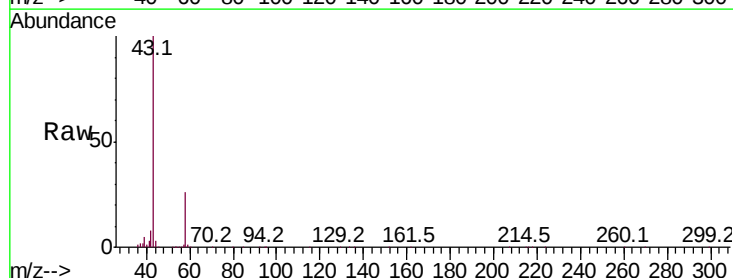
Acq: 30 Mar 2021 10:57

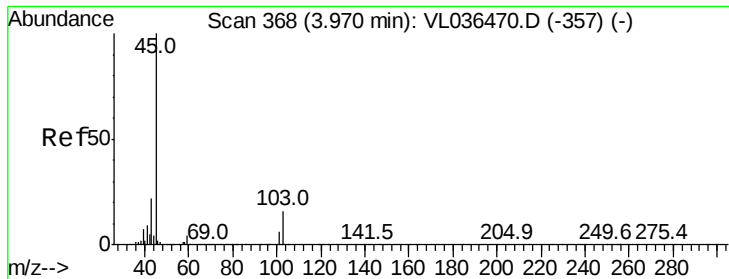
Tgt Ion: 43 Resp: 1351742

Ion Ratio Lower Upper

43 100

58 25.1 21.2 31.8





#19

Isopropyl Alcohol

Concen: 1.757 ppbv m

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VL036564.D

Acq: 30 Mar 2021 10:57

Instrument :

MSVOA_L

ClientSampleId :

CR-104DUP

Tot Ion: 45 Resp: 128094

Ion Ratio Lower Upper

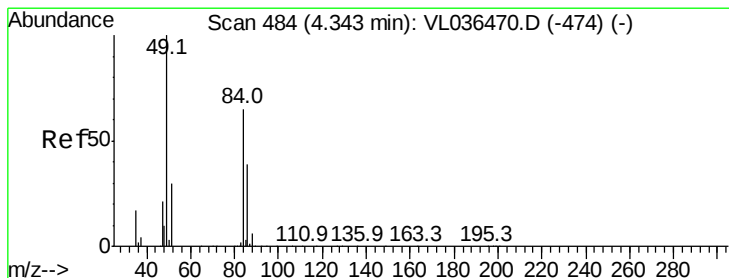
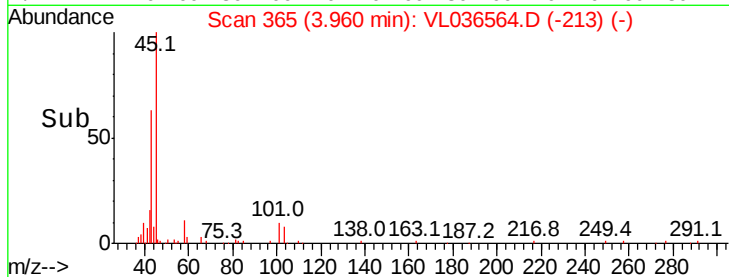
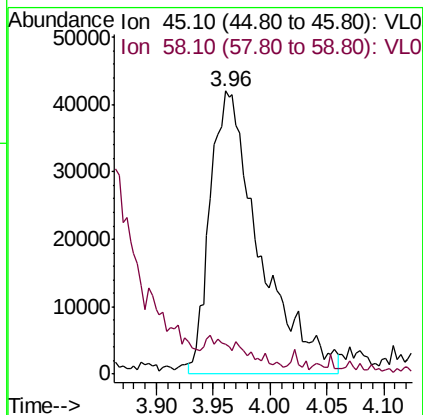
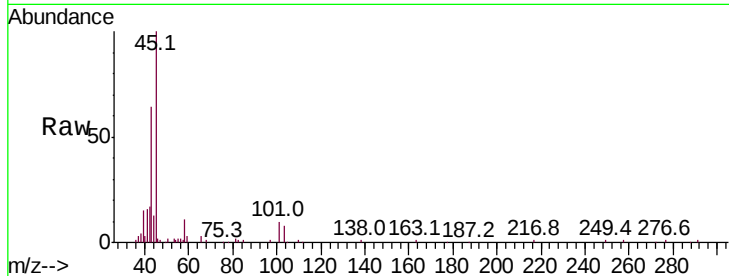
45 100

58 13.9 2.9 4.3#

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#20

Methylene Chloride

Concen: 4.743 ppbv

RT: 4.32 min Scan# 477

Delta R.T. -0.02 min

Lab File: VL036564.D

Acq: 30 Mar 2021 10:57

Tgt Ion: 84 Resp: 294309

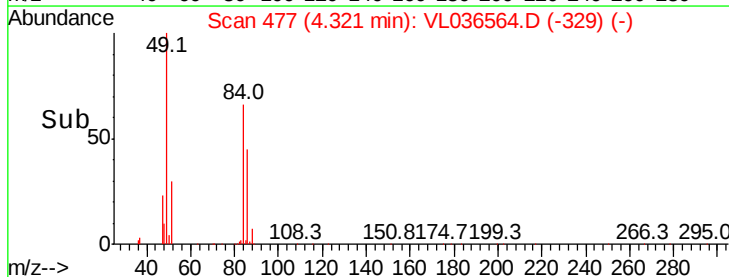
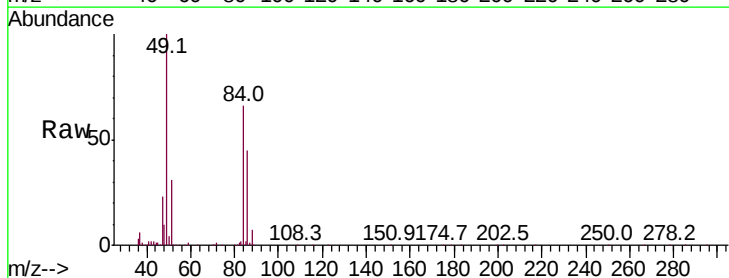
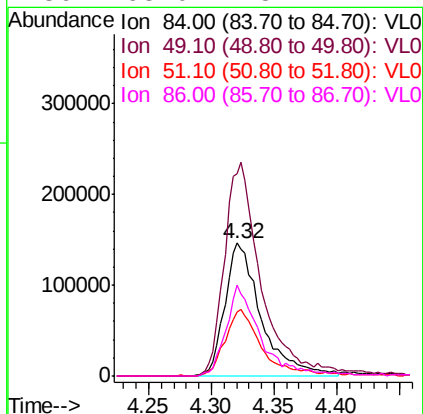
Ion Ratio Lower Upper

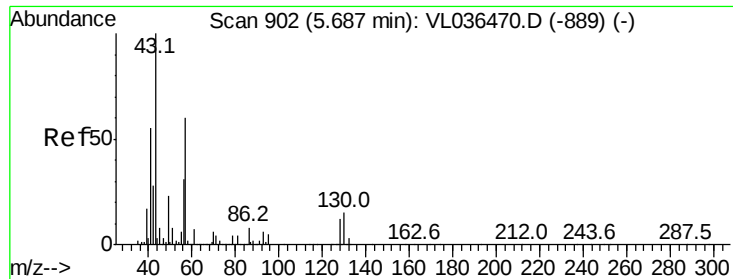
84 100

49 152.4 122.9 184.3

51 47.8 36.9 55.3

86 68.0 48.2 72.4





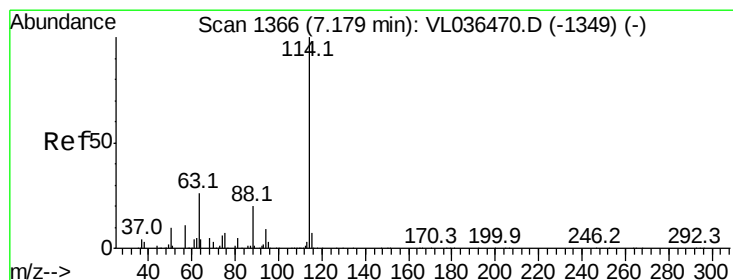
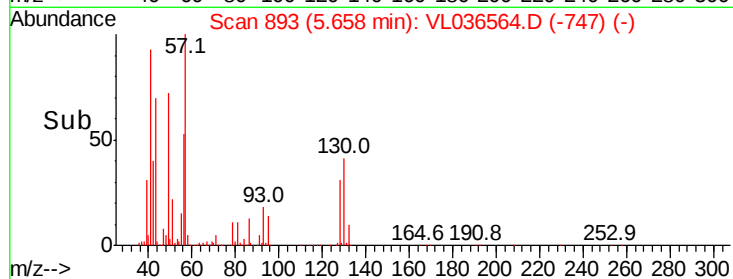
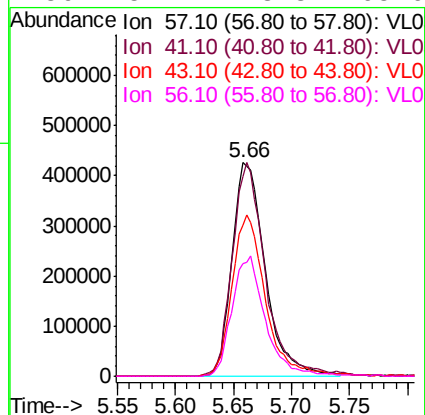
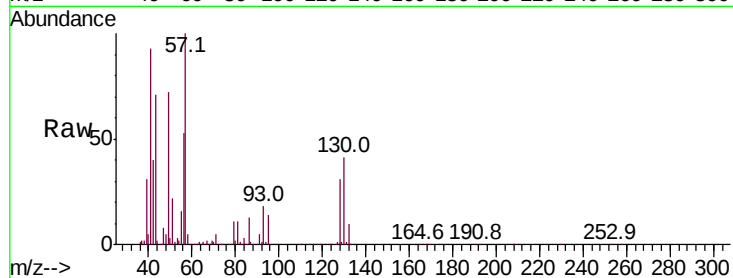
#26
Hexane
Concen: 5.759 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.03 min
Lab File: VL036564.D
Acq: 30 Mar 2021 10:57

Instrument :
MSVOA_L
ClientSampleId :
CR-104DUP

Tot Ion	57	Resp	841990
Ion	Ratio	Lower	Upper
57	100		
41	100.5	77.2	115.8
43	76.7	173.8	260.6#
56	57.2	43.8	65.6

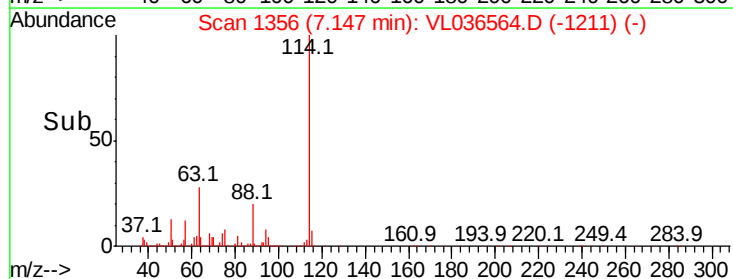
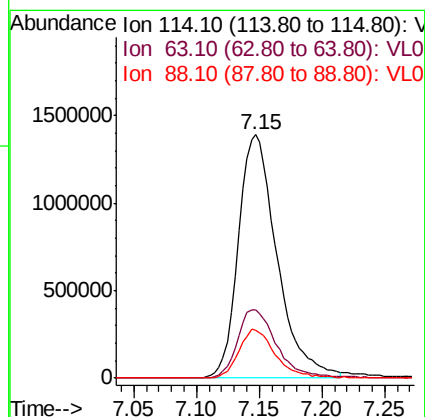
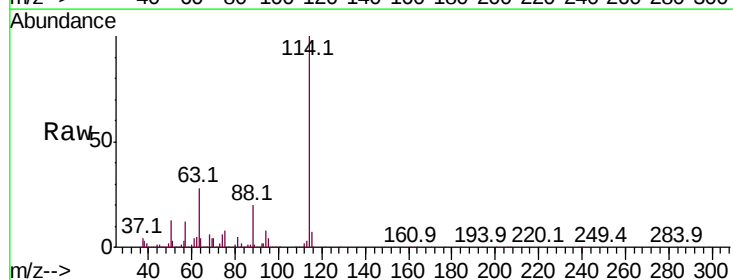
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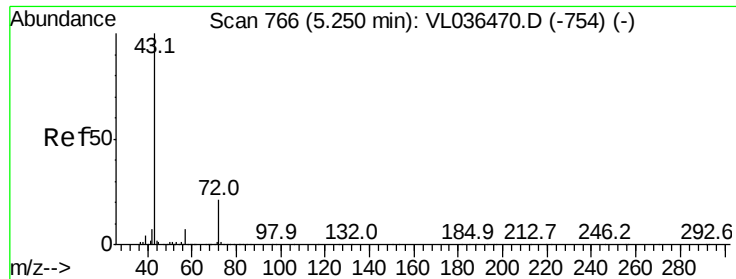
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.03 min
Lab File: VL036564.D
Acq: 30 Mar 2021 10:57

Tgt Ion	114	Resp	2983769
Ion	Ratio	Lower	Upper
114	100		
63	29.0	22.4	33.6
88	19.4	15.4	23.0





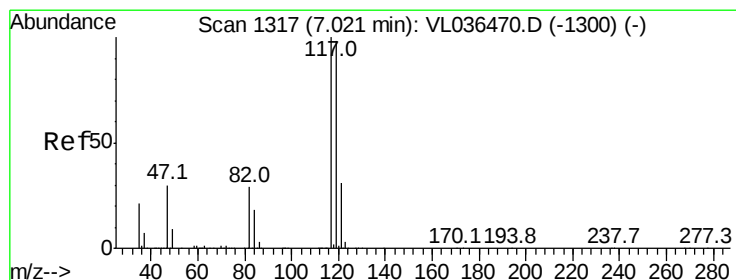
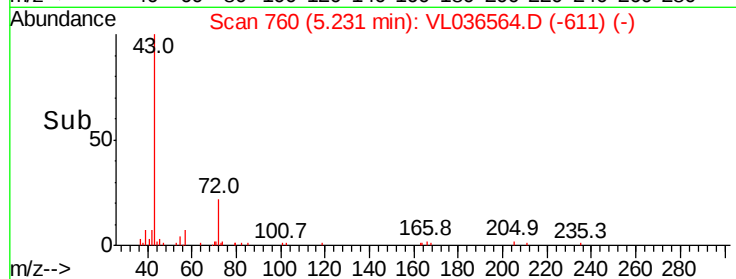
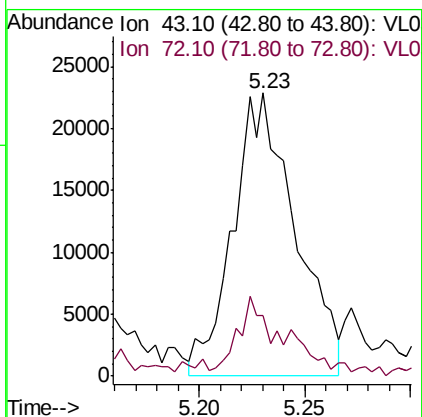
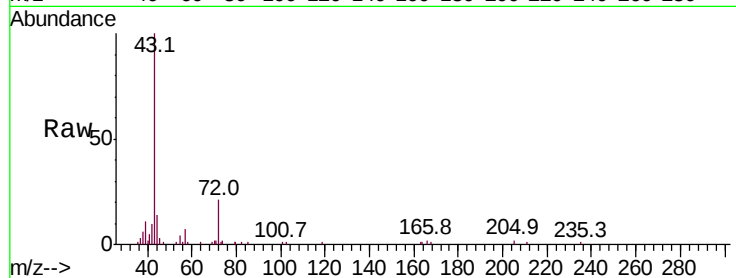
#34
2-Butanone
Concen: 0.322 ppbv m
RT: 5.23 min Scan# 760
Delta R.T. -0.02 min
Lab File: VL036564.D
Acq: 30 Mar 2021 10:57

Instrument :
MSVOA_L
ClientSampleId :
CR-104DUP

Tot Ion	43	Ratio	Lower	Upper
43	100			
72	25.2	17.0	25.6	

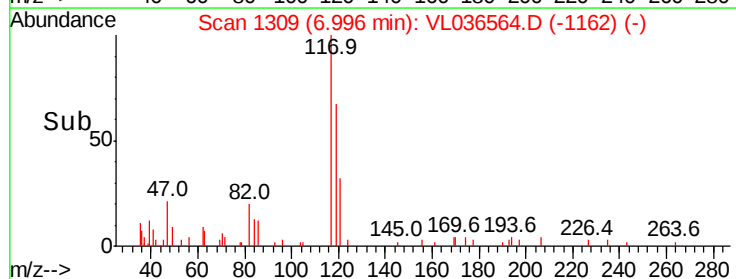
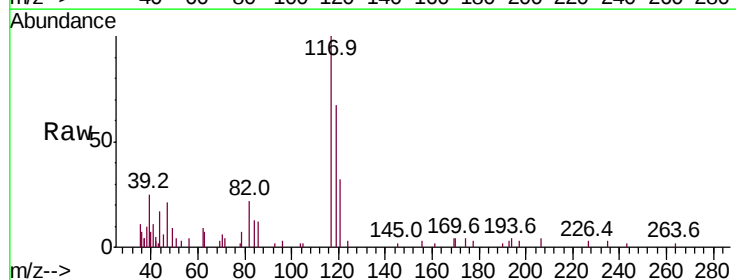
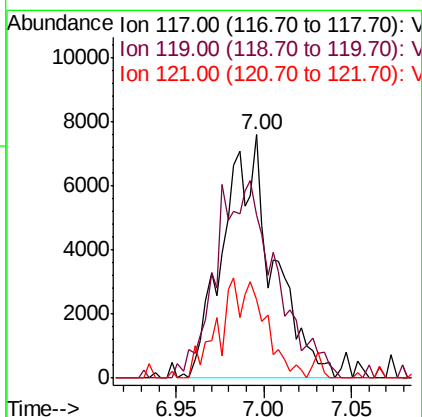
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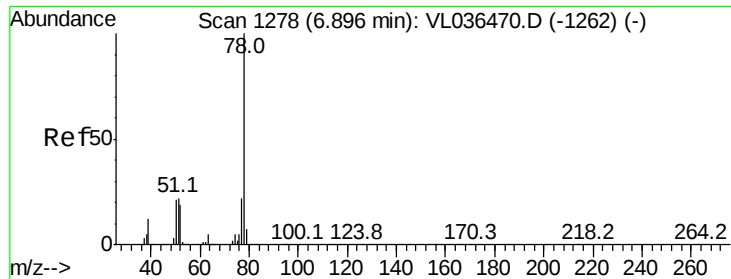
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4/1/2021 10:57:54 AM



#35
Carbon Tetrachloride
Concen: 0.066 ppbv m
RT: 7.00 min Scan# 1309
Delta R.T. -0.03 min
Lab File: VL036564.D
Acq: 30 Mar 2021 10:57

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	67.1	78.2	117.2#	
121	32.1	24.5	36.7	





#36

Benzene

Concen: 0.185 ppbv

RT: 6.86 min Scan# 1267

Delta R.T. -0.04 min

Lab File: VL036564.D

Acq: 30 Mar 2021 10:57

Instrument :

MSVOA_L

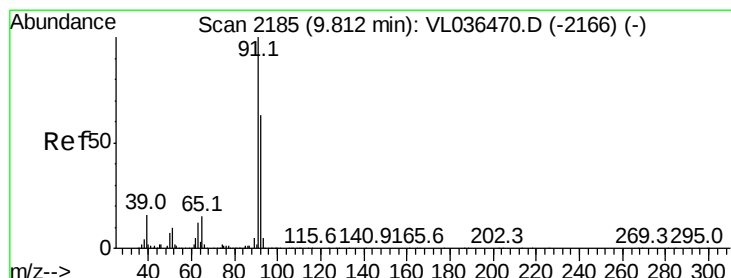
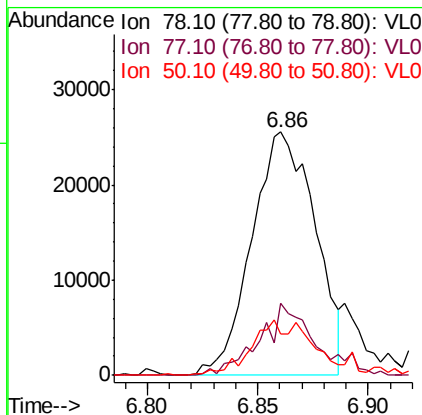
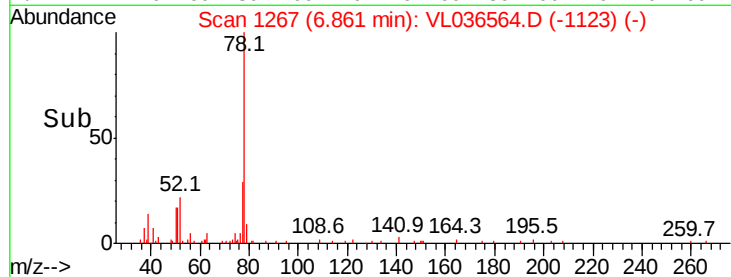
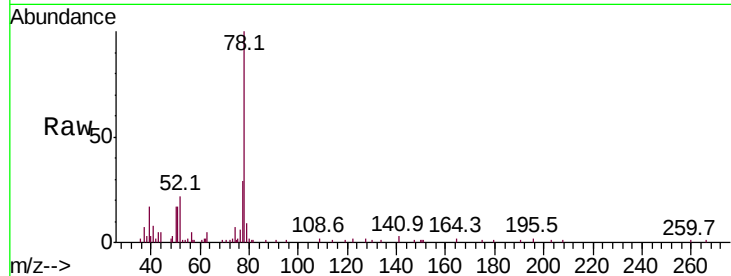
ClientSampleId :

CR-104DUP

Tot Ion:	78	Resp:	51022
Ion Ratio	Lower	Upper	
78	100		
77	29.5	18.0	27.0#
50	14.5	16.5	24.7#

Manual Integrations
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4/1/2021 10:57:54 AM



#53

Toluene

Concen: 2.220 ppbv

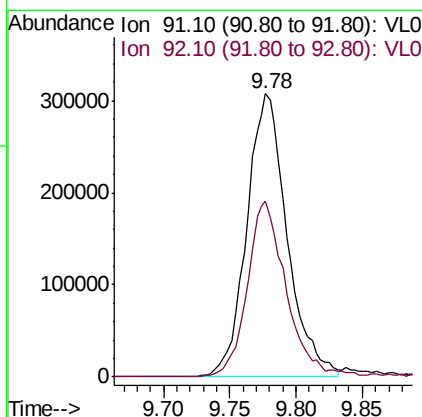
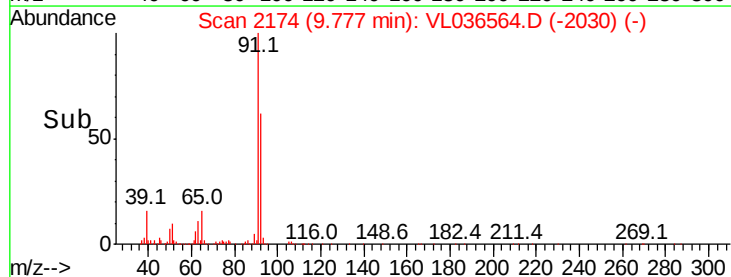
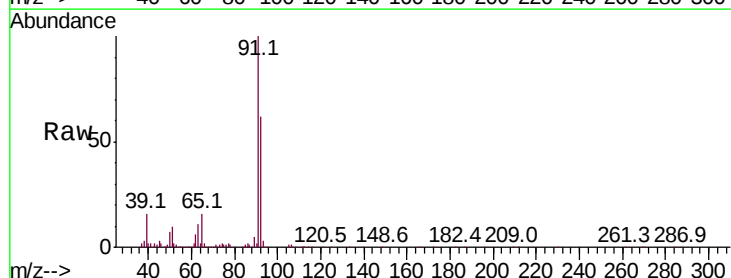
RT: 9.78 min Scan# 2174

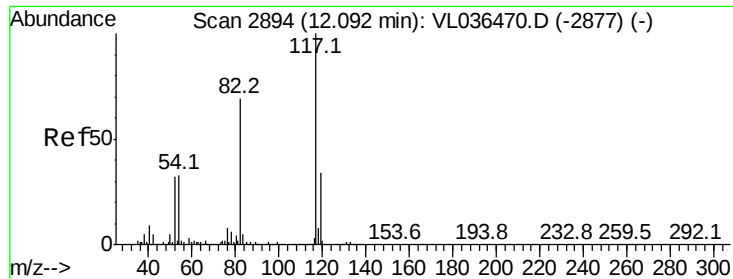
Delta R.T. -0.04 min

Lab File: VL036564.D

Acq: 30 Mar 2021 10:57

Tgt Ion:	91	Resp:	650511
Ion Ratio	Lower	Upper	
91	100		
92	61.3	48.8	73.2





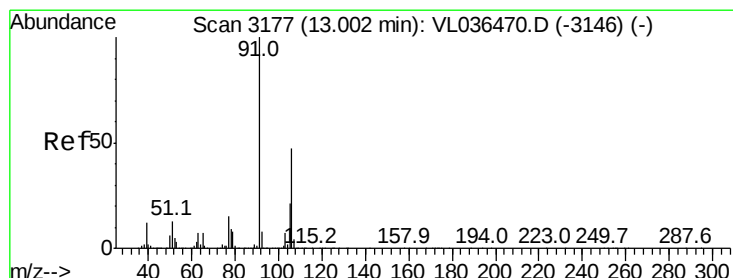
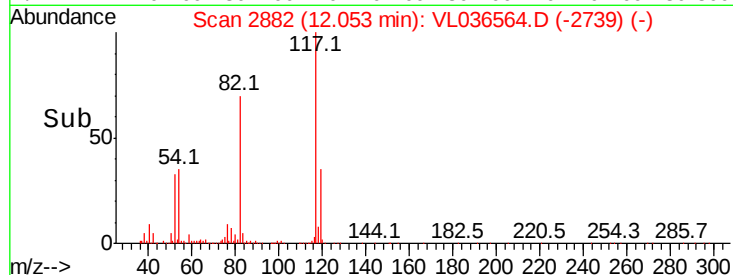
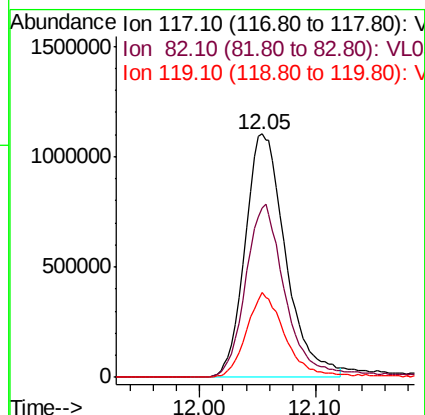
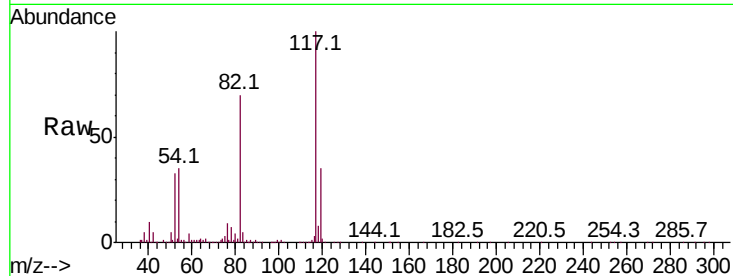
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.05 min Scan# 2882
Delta R.T. -0.04 min
Lab File: VL036564.D
Acq: 30 Mar 2021 10:57

Instrument :
MSVOA_L
ClientSampled :
CR-104DUP

Tot Ion	Ratio	Lower	Upper
117	100		
82	71.8	57.4	86.0
119	33.8	47.4	71.0#

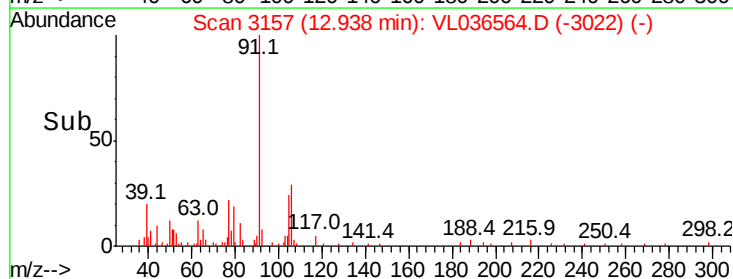
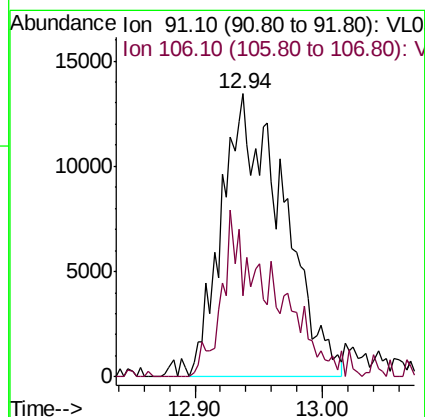
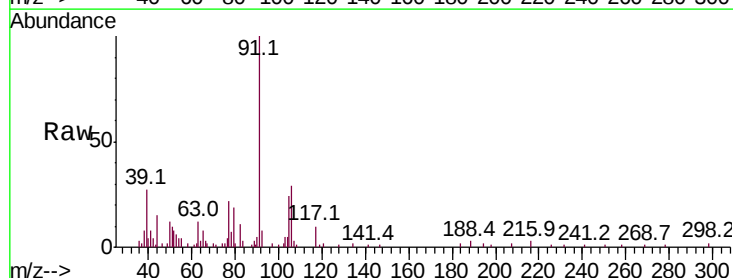
Manual Integrations
APPROVED

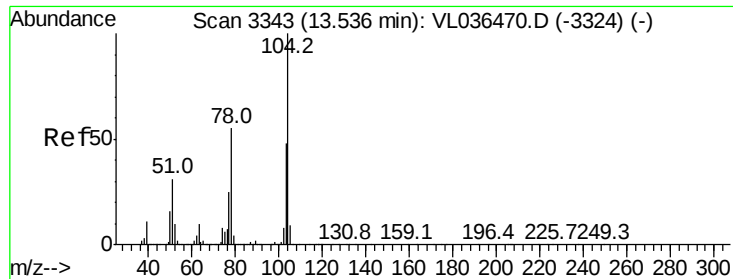
MMDadoda
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#59
m/p-Xylene
Concen: 0.133 ppbv m
RT: 12.94 min Scan# 3157
Delta R.T. -0.06 min
Lab File: VL036564.D
Acq: 30 Mar 2021 10:57

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.3	52.9#





#61

Stvrene

Concen: 0.231 ppbv m

RT: 13.50 min Scan# 3333

Delta R.T. -0.03 min

Lab File: VL036564.D

Acq: 30 Mar 2021 10:57

Instrument :

MSVOA_L

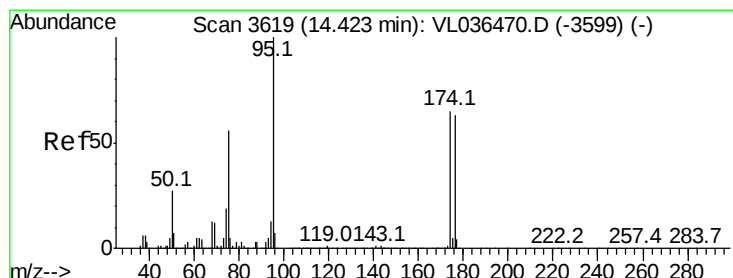
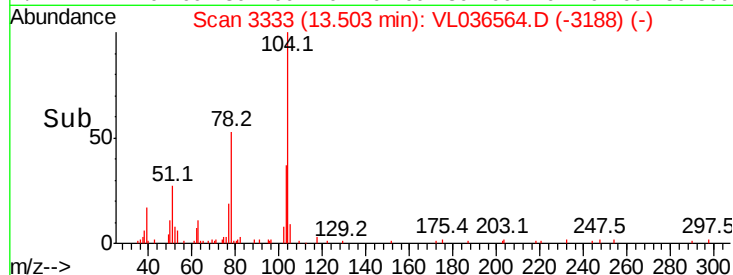
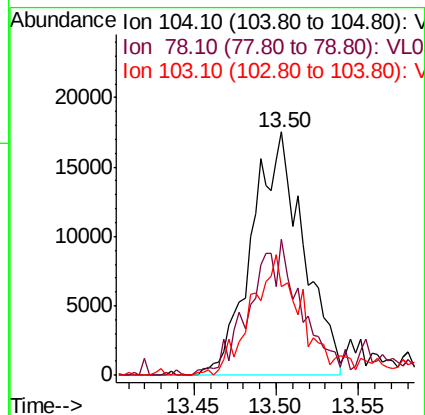
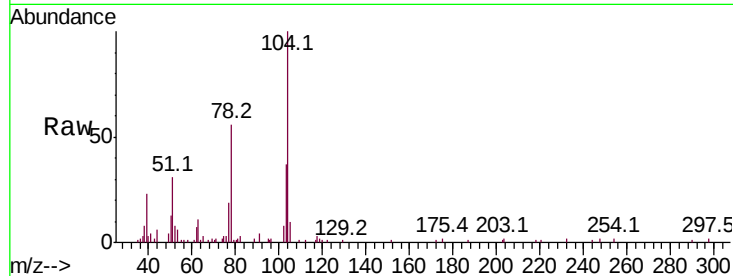
ClientSampleId :

CR-104DUP

Tot Ion:	104	Resp:	38186
Ion Ratio	Lower	Upper	
104	100		
78	0.0	43.8	65.8#
103	0.0	38.3	57.5#

Manual Integrations
APPROVED

MMDadoda
4/1/2021 10:57:54 AM



#68

1-Bromo-4-Fluorobenzene

Concen: 9.709 ppbv

RT: 14.38 min Scan# 3607

Delta R.T. -0.04 min

Lab File: VL036564.D

Acq: 30 Mar 2021 10:57

Tgt Ion:	95	Resp:	2074869
Ion Ratio	Lower	Upper	
95	100		
174	68.5	51.0	76.6
175	4.8	3.9	5.9

