

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033021\
 Data File : VL036563.D
 Acq On : 30 Mar 2021 10:16
 Operator : SY/AP
 Sample : M1759-03
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CR-104

Manual Integrations
 APPROVED

MMDadoda
 4/1/2021 10:57:36 AM

Quant Time: Mar 31 16:16:32 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-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	1330802	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	3071735	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	2734029	10.00	ppbv	-0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.38	95	2130859	9.78	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	47481	0.219	ppbv	99
3) Chlorodifluoromethane	2.97	51	89552	0.360	ppbv #	89
4) Chloromethane	3.12	50	47072m	0.536	ppbv	
9) Propene	3.00	41	63315	0.799	ppbv	92
11) Trichlorofluoromethane	3.93	101	45762	0.207	ppbv	89
13) Ethanol	3.59	45	222591m	23.581	ppbv	
15) Acetone	3.83	43	1353961	10.337	ppbv	97
19) Isopropyl Alcohol	3.97	45	126228m	1.752	ppbv	
20) Methylene Chloride	4.32	84	243600	3.972	ppbv	94
26) Hexane	5.66	57	836597	5.789	ppbv #	48
34) 2-Butanone	5.23	43	51655m	0.345	ppbv	
35) Carbon Tetrachloride	6.99	117	14928	0.063	ppbv	85
36) Benzene	6.87	78	51341m	0.181	ppbv	
53) Toluene	9.78	91	651155	2.158	ppbv	100
59) m/p-Xylene	12.94	91	45688m	0.132	ppbv	
61) Styrene	13.50	104	38660m	0.229	ppbv	

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

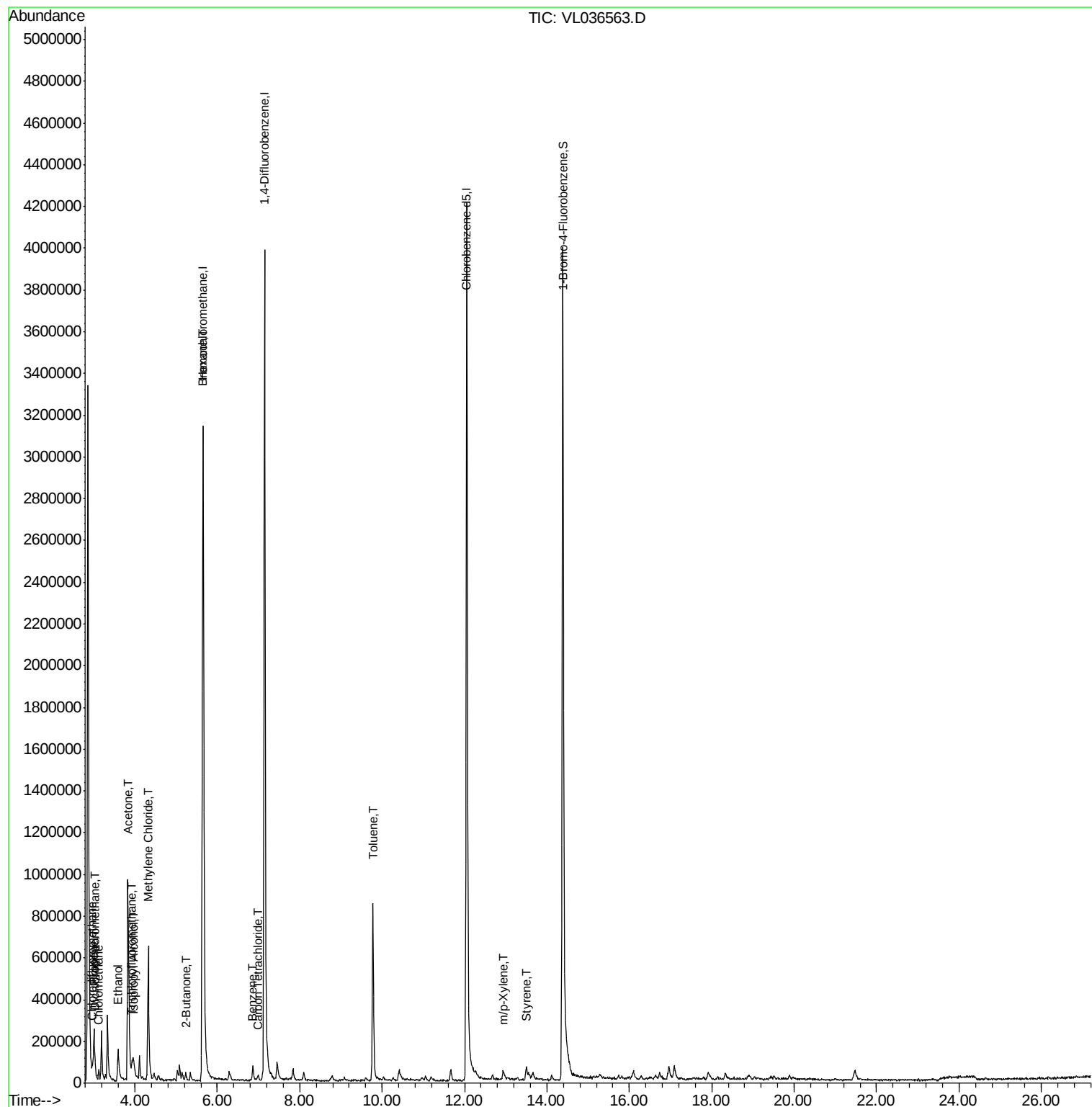
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033021\
Data File : VL036563.D
Acq On : 30 Mar 2021 10:16
Operator : SY/AP
Sample : M1759-03
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

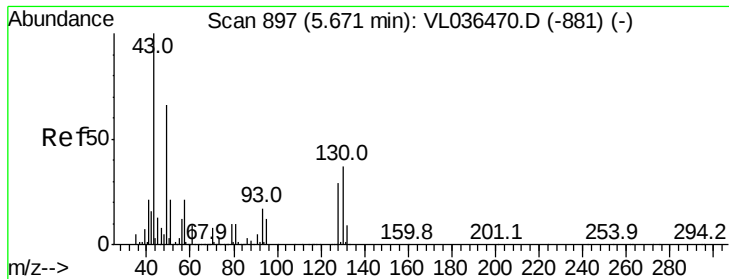
Instrument :
MSVOA_L
ClientSampleId :
CR-104

Manual Integrations
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Quant Time: Mar 31 16:16:32 2021
Quant Method : Z:\VOASRV\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: VL036563.D

Acq: 30 Mar 2021 10:16

Instrument :

MSVOA_L

ClientSampled :

CR-104

Tot Ion: 49 Resp: 1330802

Ion Ratio Lower Upper

49 100

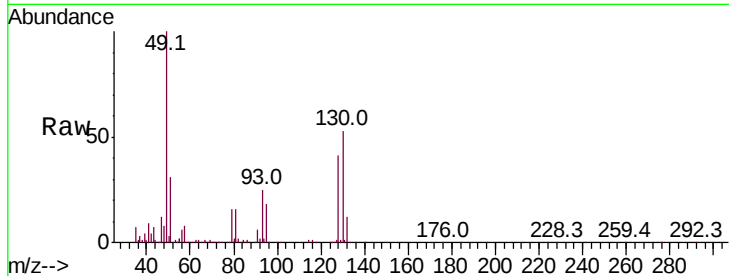
128 44.9 23.5 70.6

130 58.2 29.1 87.4

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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

800000

600000

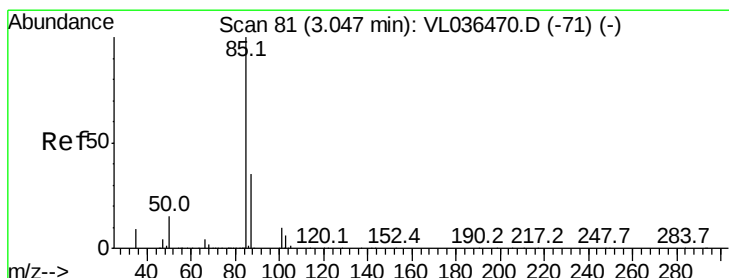
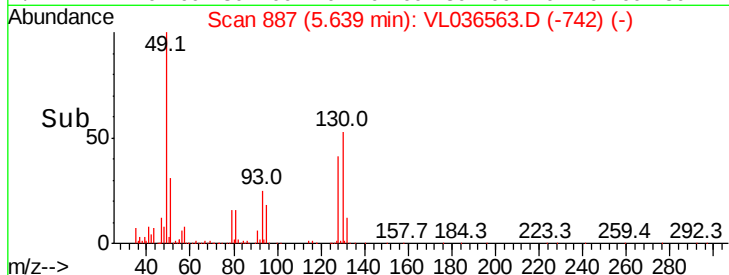
400000

200000

0

5.55 5.60 5.65 5.70

Time-->



#2

Dichlorodifluoromethane

Concen: 0.219 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.02 min

Lab File: VL036563.D

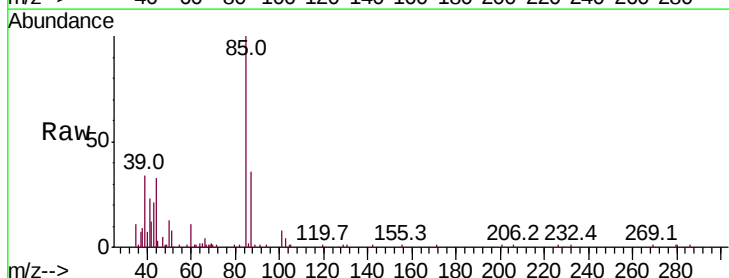
Acq: 30 Mar 2021 10:16

Tgt Ion: 85 Resp: 47481

Ion Ratio Lower Upper

85 100

87 35.3 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

40000

30000

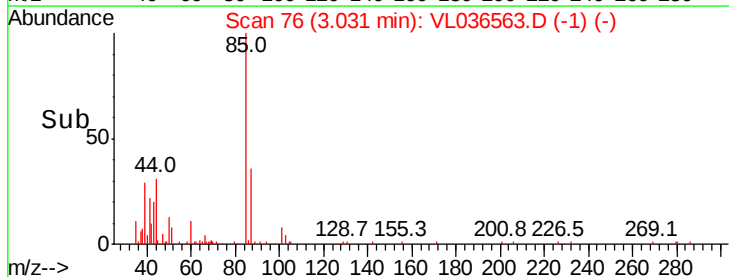
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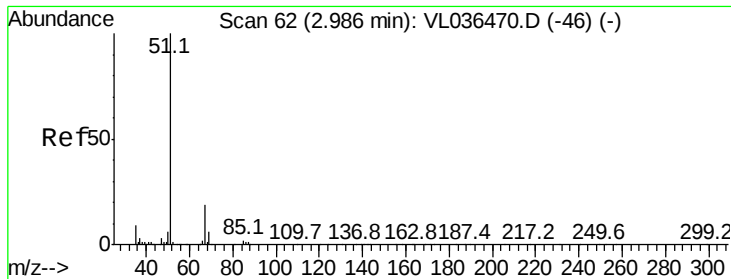
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0

3.00 3.05

Time-->





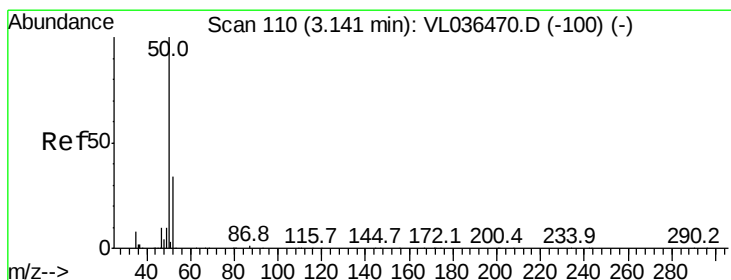
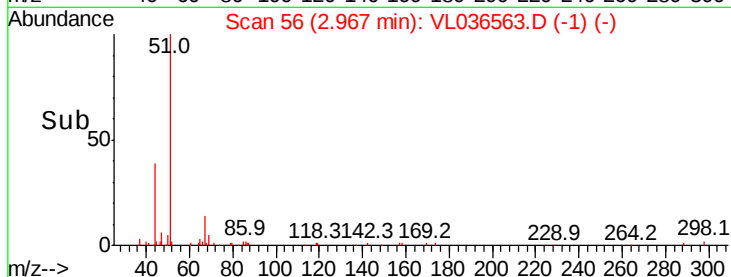
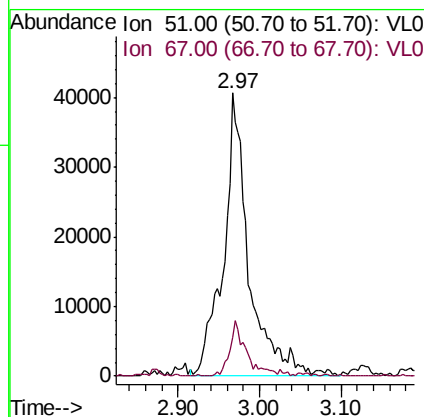
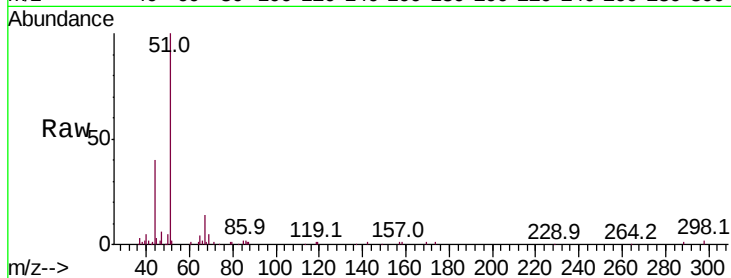
#3
Chlorodifluoromethane
Concen: 0.360 ppbv
RT: 2.97 min Scan# 56
Delta R.T. -0.02 min
Lab File: VL036563.D
Acq: 30 Mar 2021 10:16

Instrument :
MSVOA_L
ClientSampleId :
CR-104

Tot Ion: 51 Resp: 89552
Ion Ratio Lower Upper
51 100
67 13.4 14.7 22.1#

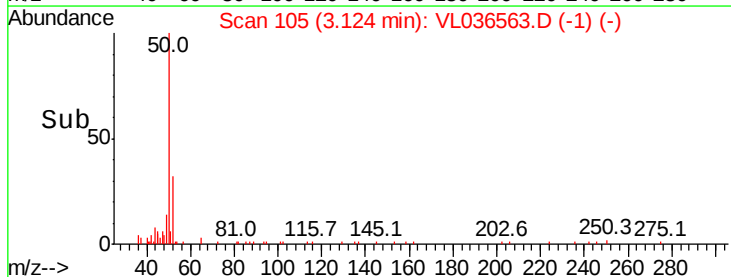
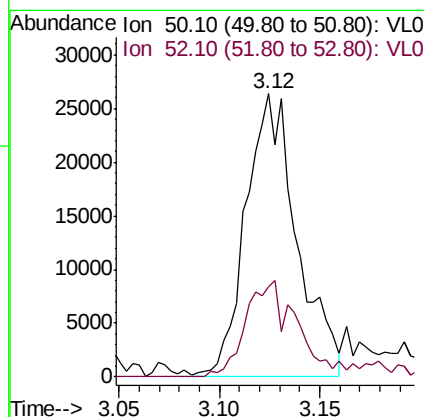
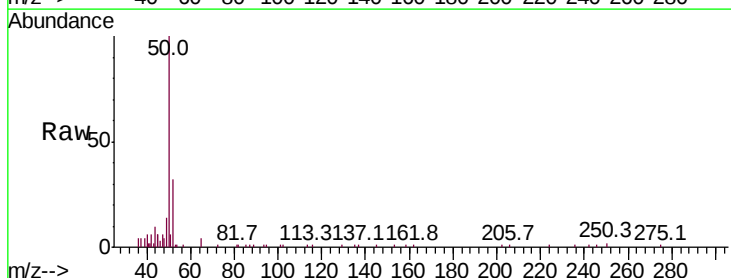
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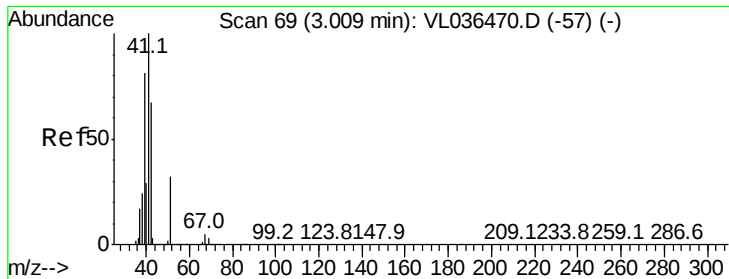
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#4
Chloromethane
Concen: 0.536 ppbv m
RT: 3.12 min Scan# 105
Delta R.T. -0.02 min
Lab File: VL036563.D
Acq: 30 Mar 2021 10:16

Tgt Ion: 50 Resp: 47072
Ion Ratio Lower Upper
50 100
52 31.9 27.0 40.6





#9

Propene

Concen: 0.799 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL036563.D

Acq: 30 Mar 2021 10:16

Instrument :

MSVOA_L

ClientSampled :

CR-104

Tot Ion: 41 Resp: 63315

Ion Ratio Lower Upper

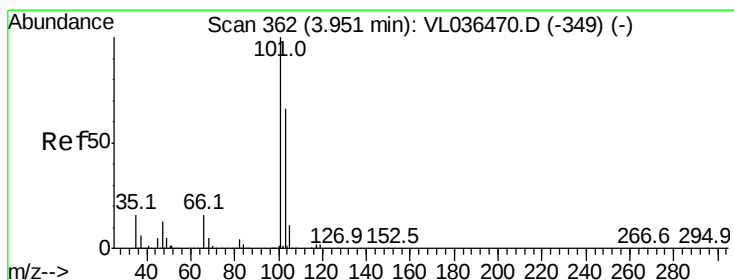
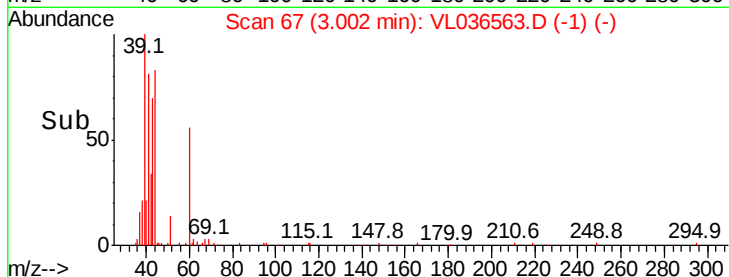
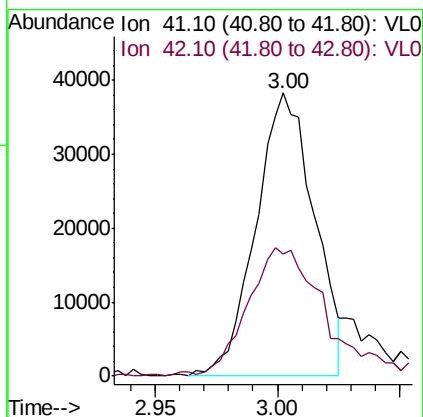
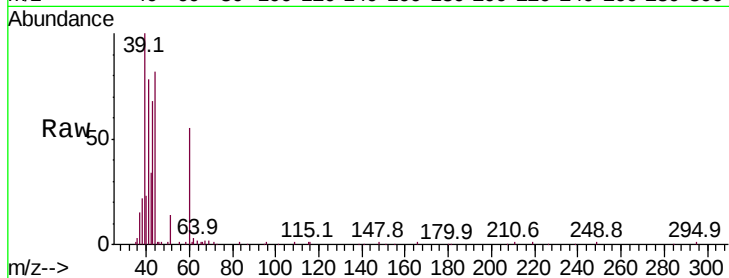
41 100

42 64.3 57.0 85.4

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#11

Trichlorofluoromethane

Concen: 0.207 ppbv

RT: 3.93 min Scan# 355

Delta R.T. -0.02 min

Lab File: VL036563.D

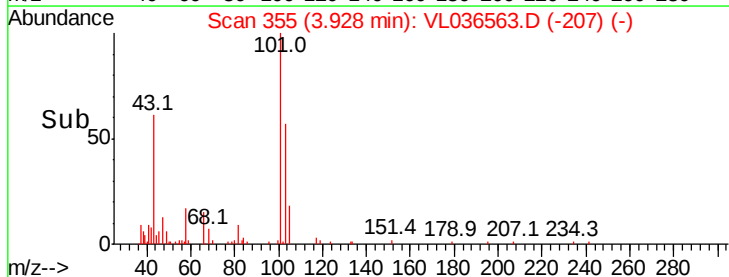
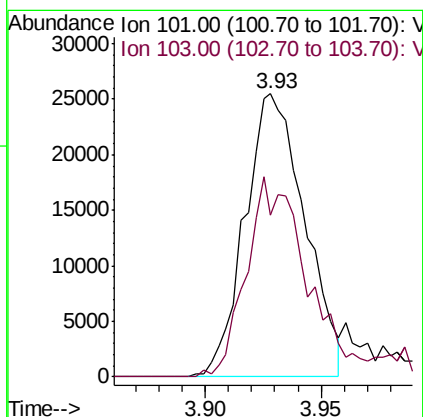
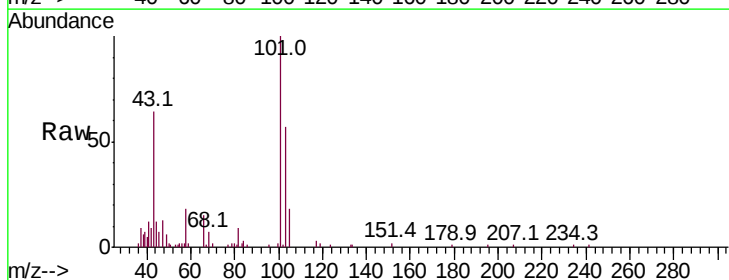
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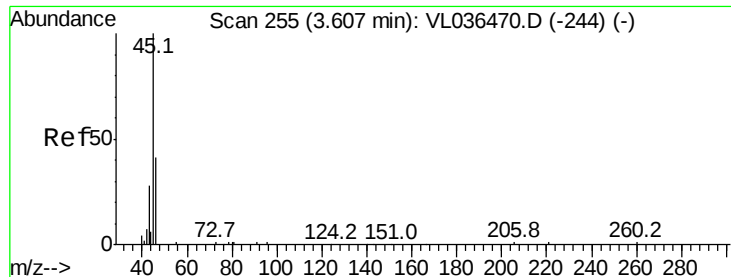
Tgt Ion: 101 Resp: 45762

Ion Ratio Lower Upper

101 100

103 57.1 52.5 78.7





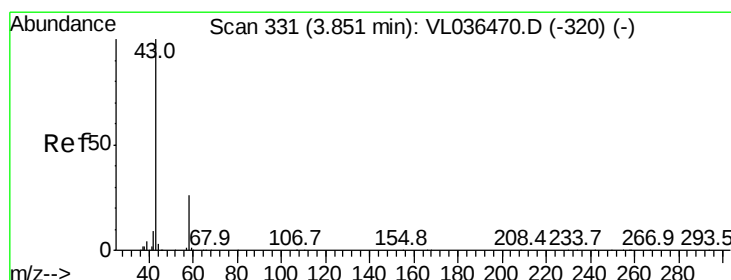
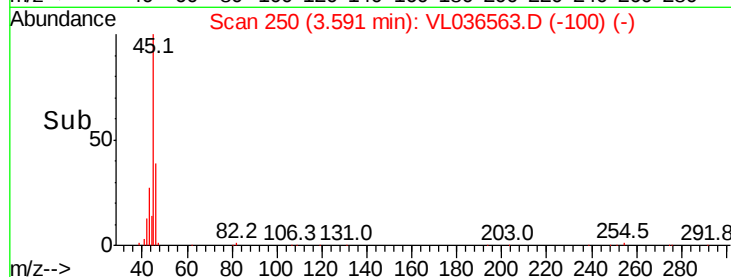
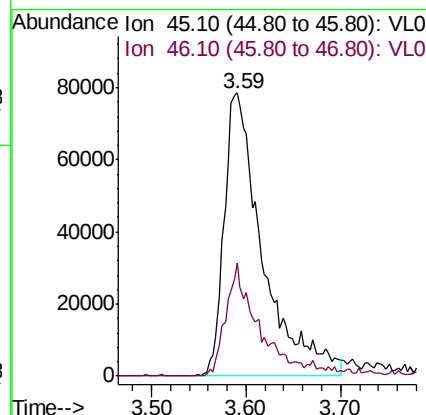
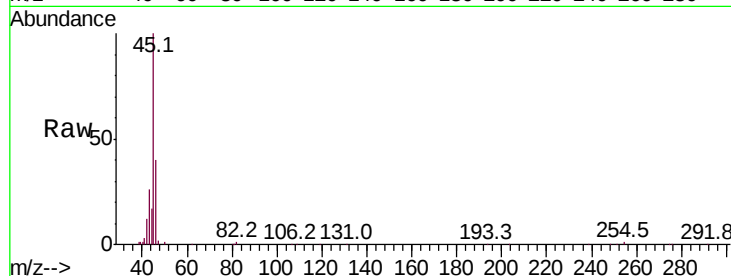
#13
Ethanol
Concen: 23.581 ppbv m
RT: 3.59 min Scan# 250
Delta R.T. -0.02 min
Lab File: VL036563.D
Acq: 30 Mar 2021 10:16

Instrument :
MSVOA_L
ClientSampled :
CR-104

Tot Ion: 45 Resp: 222591
Ion Ratio Lower Upper
45 100
46 36.5 16.6 66.2

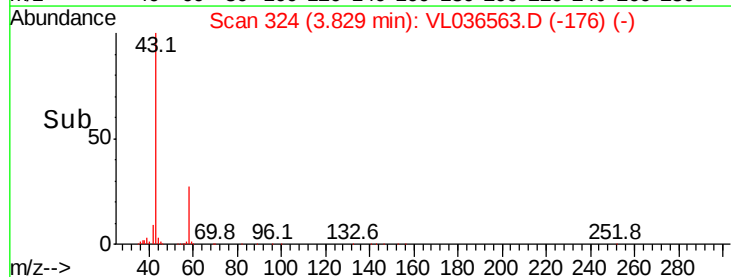
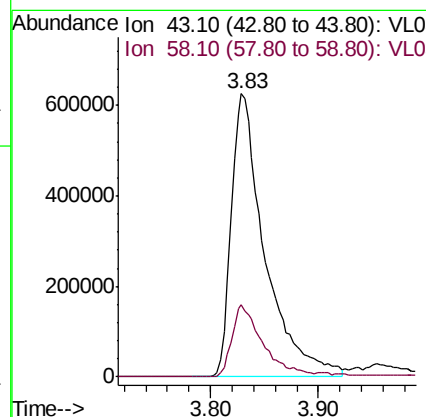
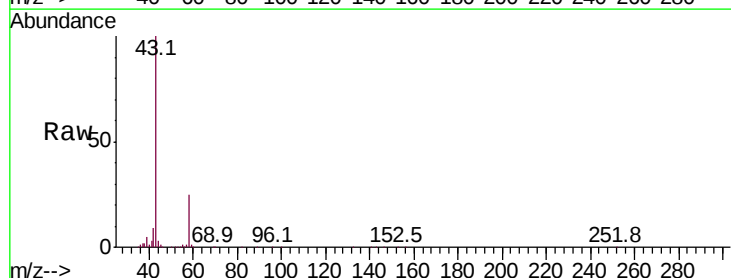
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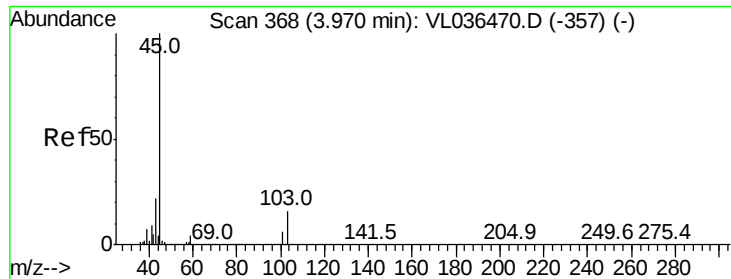
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#15
Acetone
Concen: 10.337 ppbv
RT: 3.83 min Scan# 324
Delta R.T. -0.02 min
Lab File: VL036563.D
Acq: 30 Mar 2021 10:16

Tgt Ion: 43 Resp: 1353961
Ion Ratio Lower Upper
43 100
58 24.9 21.2 31.8





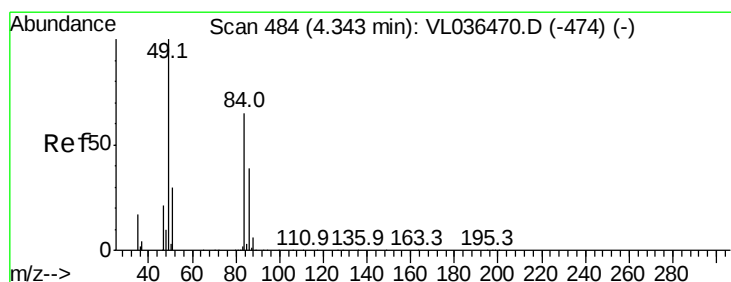
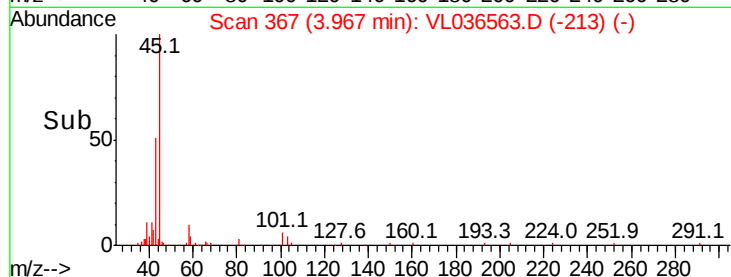
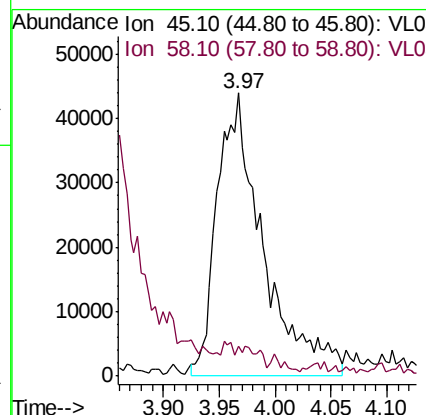
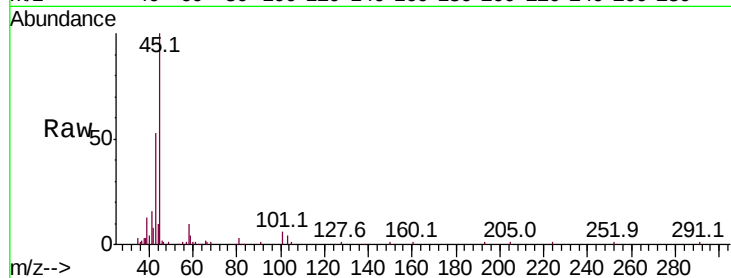
#19
Isopropyl Alcohol
Concen: 1.752 ppbv
RT: 3.97 min Scan# 367
Delta R.T. -0.00 min
Lab File: VL036563.D
Acq: 30 Mar 2021 10:16

Instrument :
MSVOA_L
ClientSampleId :
CR-104

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

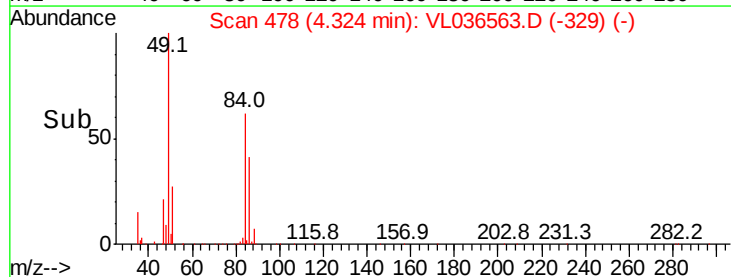
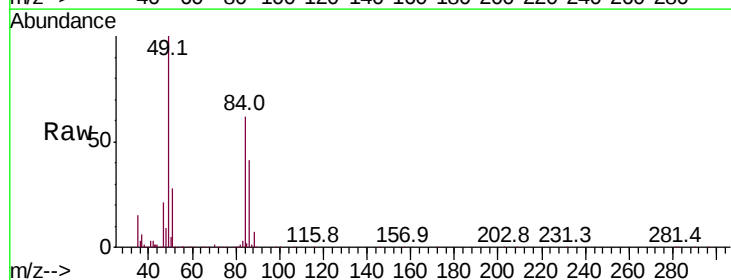
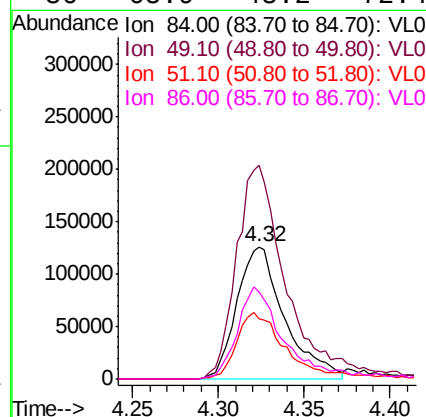
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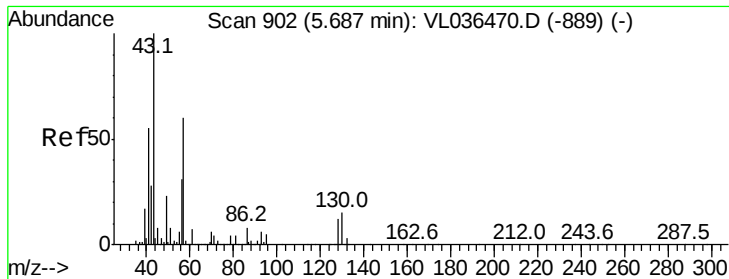
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#20
Methylene Chloride
Concen: 3.972 ppbv
RT: 4.32 min Scan# 478
Delta R.T. -0.02 min
Lab File: VL036563.D
Acq: 30 Mar 2021 10:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	161.2	122.9	184.3
51	45.1	36.9	55.3
86	65.9	48.2	72.4





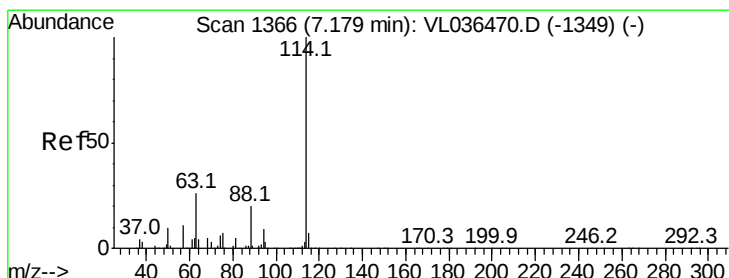
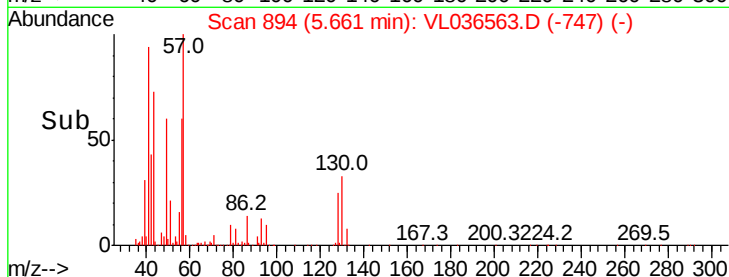
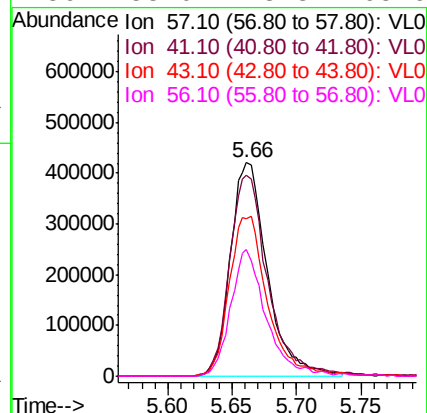
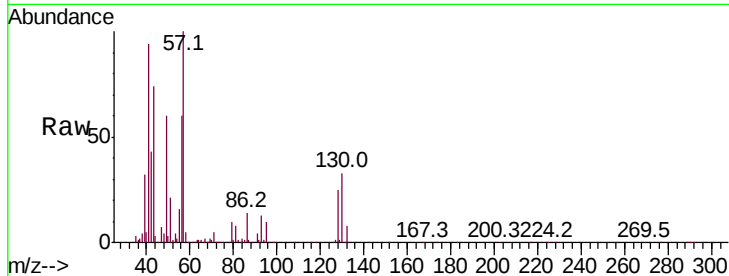
#26
Hexane
Concen: 5.789 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.03 min
Lab File: VL036563.D
Acq: 30 Mar 2021 10:16

Instrument :
MSVOA_L
ClientSampleId :
CR-104

Tot Ion	Ratio	Lower	Upper
57	100		
41	98.3	77.2	115.8
43	78.4	173.8	260.6#
56	58.0	43.8	65.6

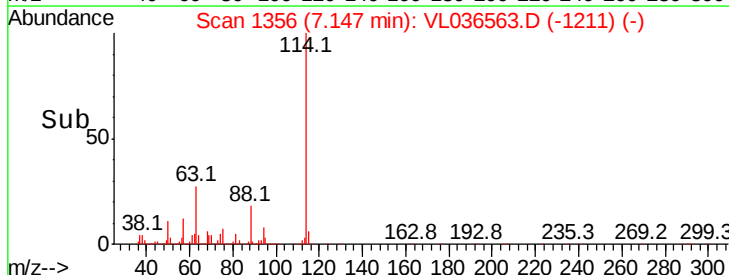
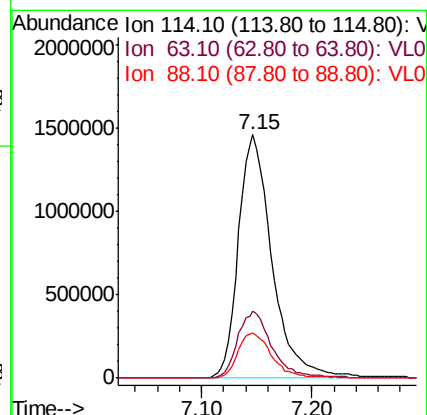
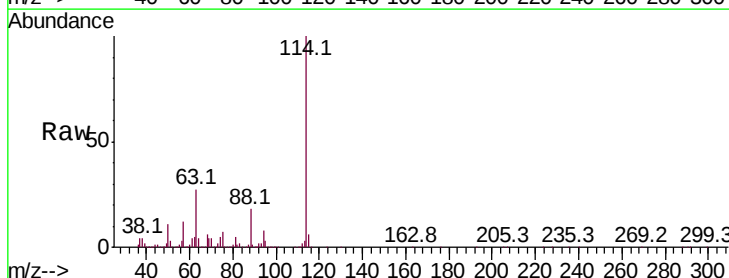
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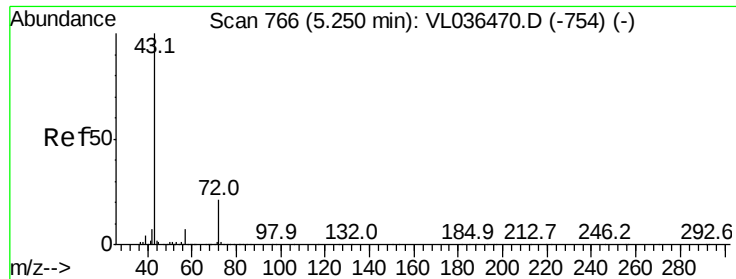
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.03 min
Lab File: VL036563.D
Acq: 30 Mar 2021 10:16

Tgt Ion	Ratio	Lower	Upper
114	100		
63	28.4	22.4	33.6
88	19.3	15.4	23.0





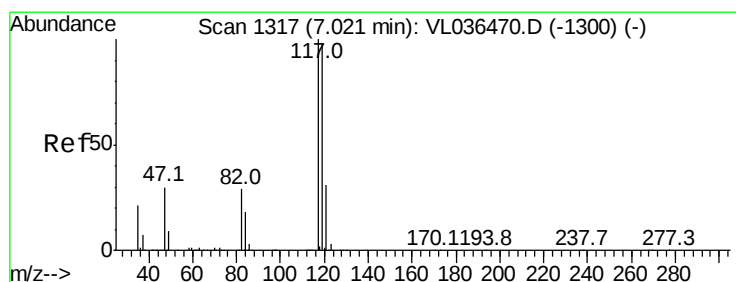
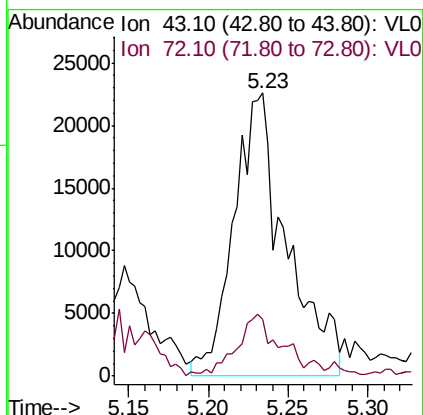
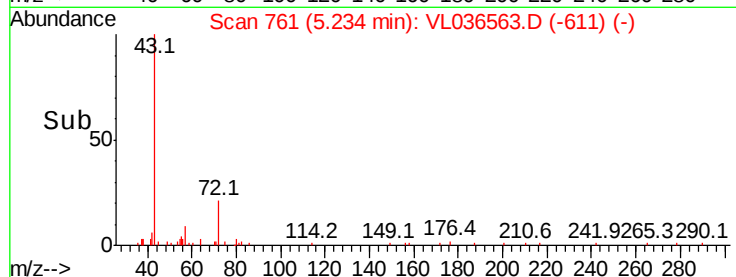
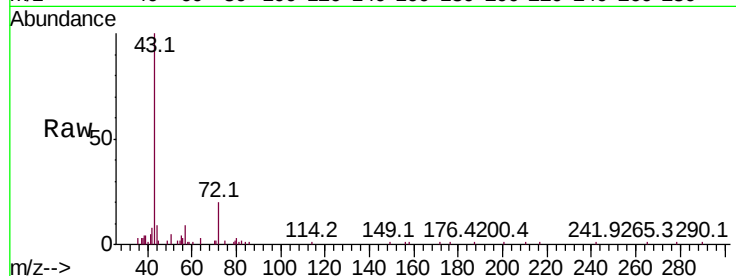
#34
2-Butanone
Concen: 0.345 ppbv m
RT: 5.23 min Scan# 761
Delta R.T. -0.02 min
Lab File: VL036563.D
Acq: 30 Mar 2021 10:16

Instrument :
MSVOA_L
ClientSampled :
CR-104

Tot Ion: 43 Resp: 51655
Ion Ratio Lower Upper
43 100
72 20.7 17.0 25.6

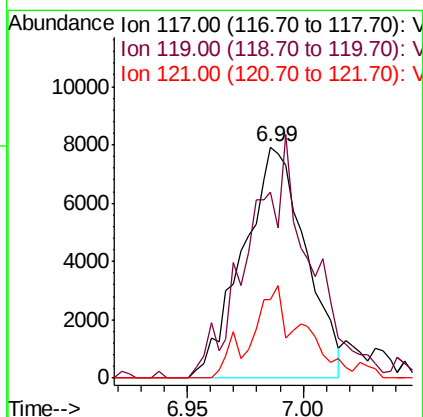
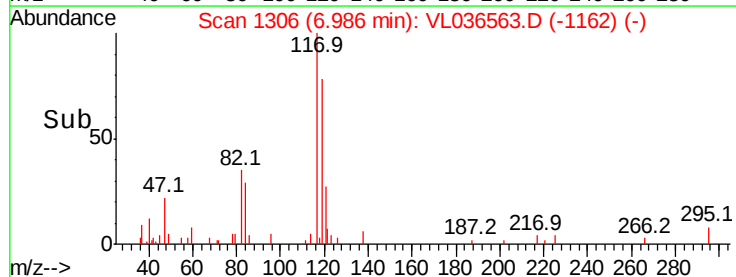
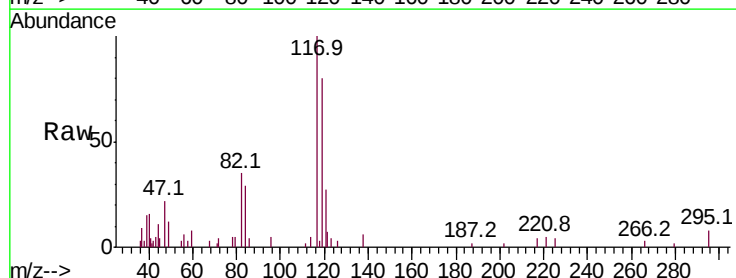
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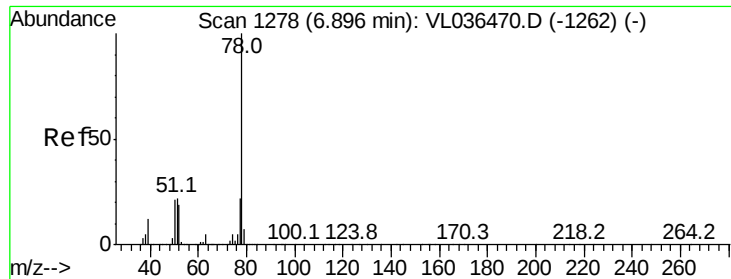
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#35
Carbon Tetrachloride
Concen: 0.063 ppbv
RT: 6.99 min Scan# 1306
Delta R.T. -0.04 min
Lab File: VL036563.D
Acq: 30 Mar 2021 10:16

Tgt Ion: 117 Resp: 14928
Ion Ratio Lower Upper
117 100
119 80.4 78.2 117.2
121 34.0 24.5 36.7





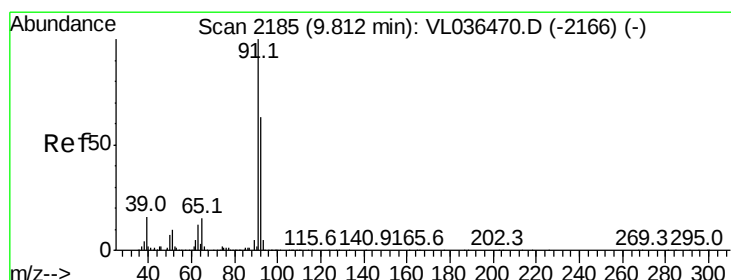
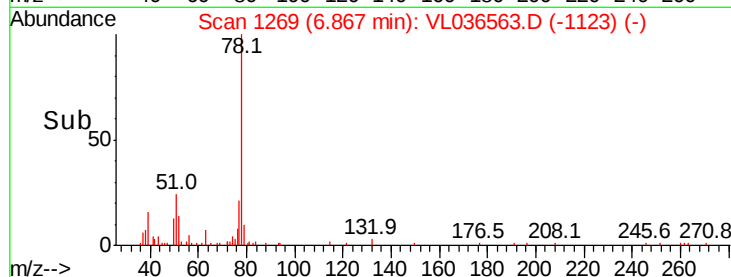
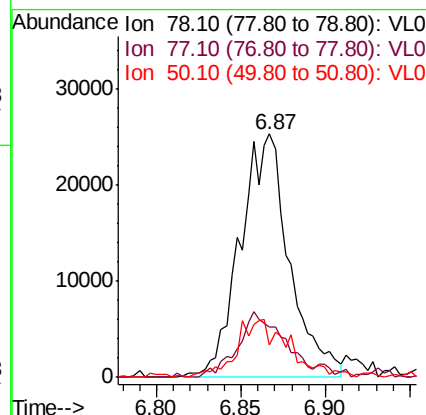
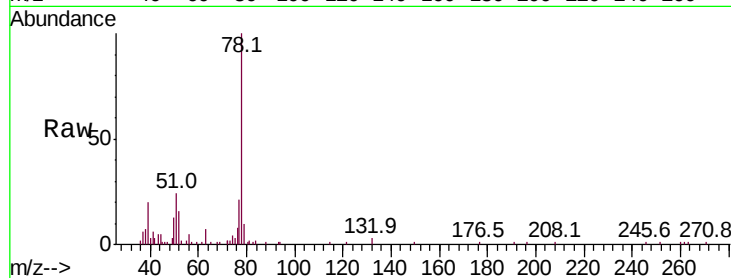
#36
Benzene
Concen: 0.181 ppbv m
RT: 6.87 min Scan# 1269
Delta R.T. -0.03 min
Lab File: VL036563.D
Acq: 30 Mar 2021 10:16

Instrument :
MSVOA_L
ClientSampled :
CR-104

Tot Ion	Ratio	Lower	Upper
78	100		
77	20.9	18.0	27.0
50	13.4	16.5	24.7#

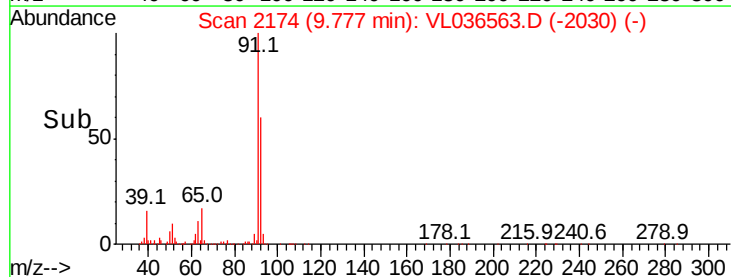
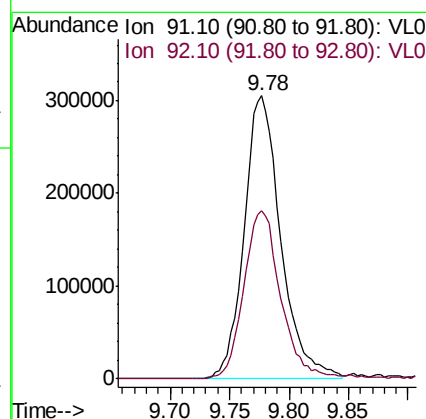
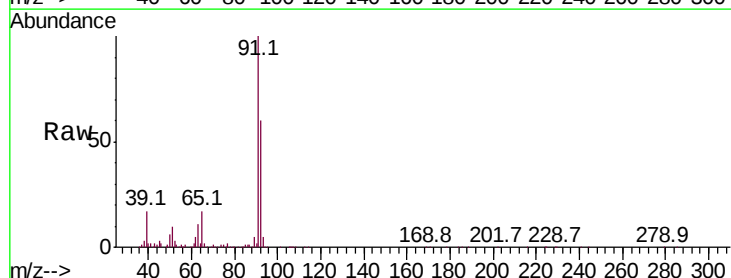
Manual Integrations
APPROVED

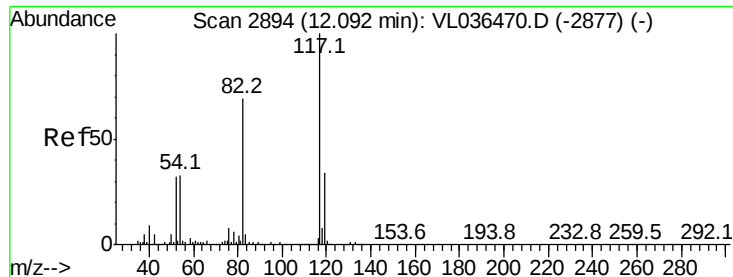
MMDadoda
4/1/2021 10:57:36 AM



#53
Toluene
Concen: 2.158 ppbv
RT: 9.78 min Scan# 2174
Delta R.T. -0.04 min
Lab File: VL036563.D
Acq: 30 Mar 2021 10:16

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.9	48.8	73.2





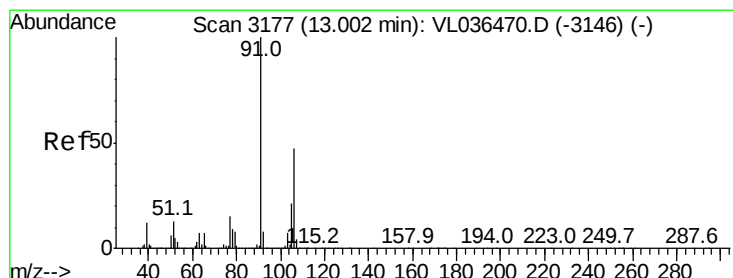
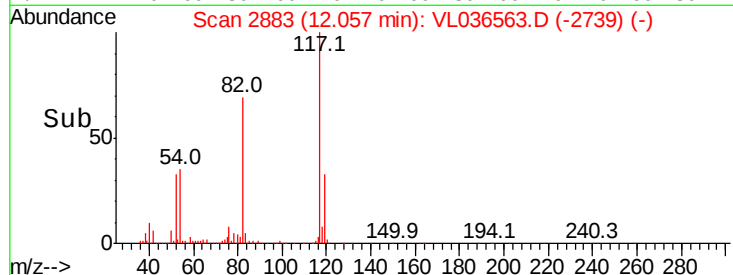
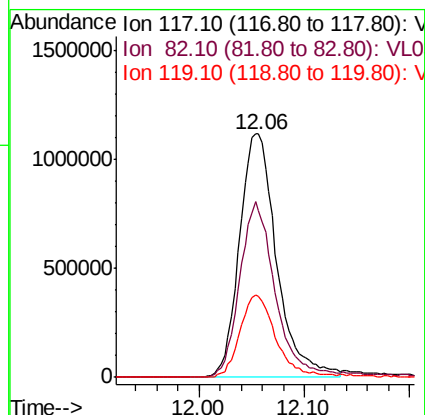
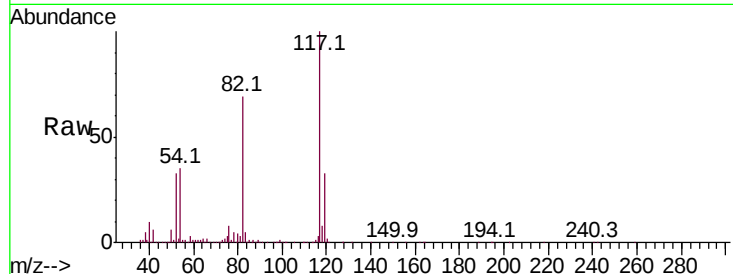
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2883
Delta R.T. -0.04 min
Lab File: VL036563.D
Acq: 30 Mar 2021 10:16

Instrument :
MSVOA_L
ClientSampled :
CR-104

Tot Ion	Ratio	Lower	Upper
117	100		
82	70.6	57.4	86.0
119	33.8	47.4	71.0#

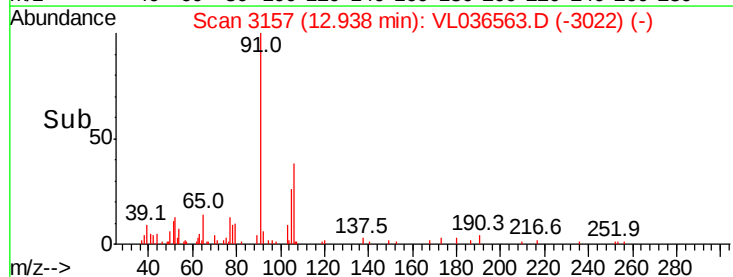
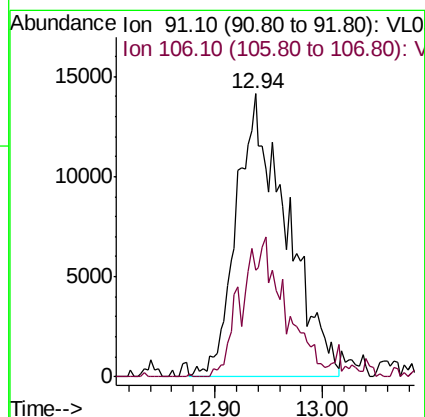
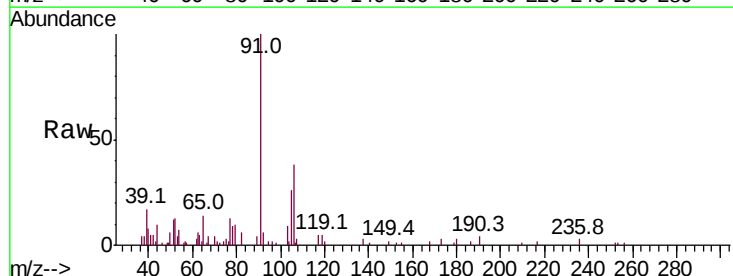
Manual Integrations
APPROVED

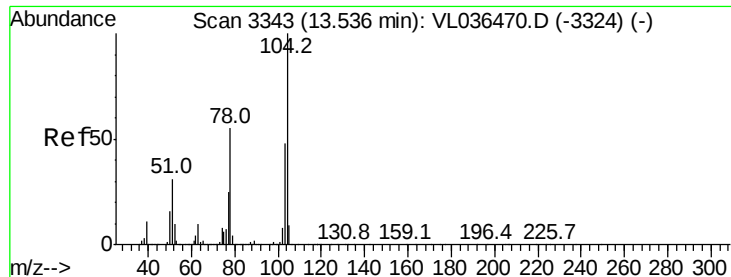
MMDadoda
4/1/2021 10:57:36 AM



#59
m/p-Xylene
Concen: 0.132 ppbv m
RT: 12.94 min Scan# 3157
Delta R.T. -0.06 min
Lab File: VL036563.D
Acq: 30 Mar 2021 10:16

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





#61

Stvrene

Concen: 0.229 ppbv m

RT: 13.50 min Scan# 3332

Delta R.T. -0.04 min

Lab File: VL036563.D

Acq: 30 Mar 2021 10:16

Instrument :

MSVOA_L

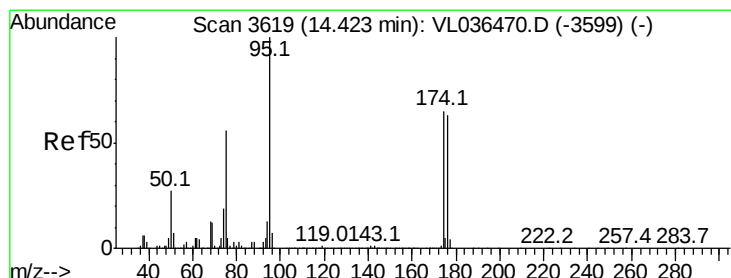
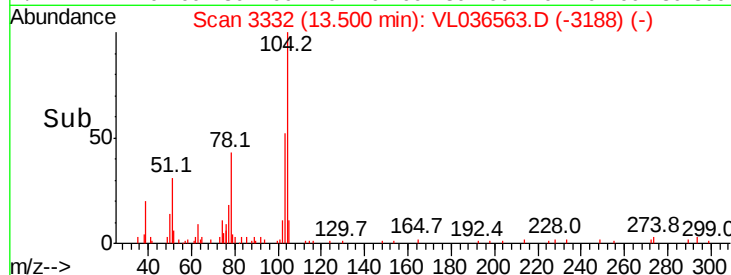
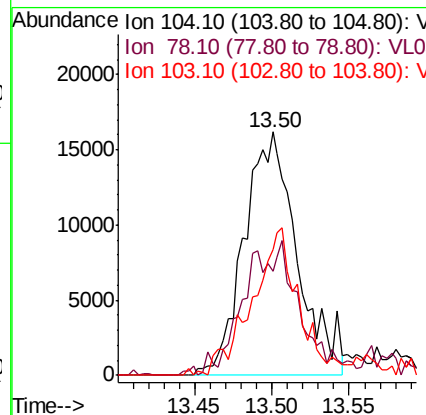
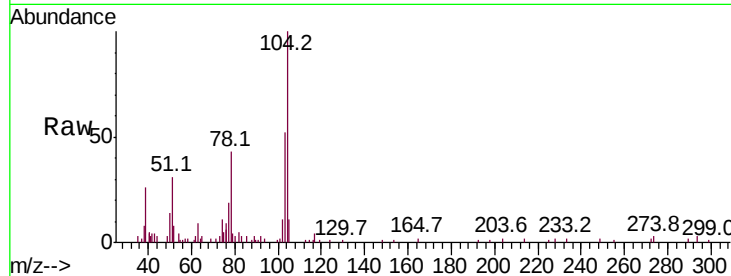
ClientSampleId :

CR-104

Tot Ion:	104	Resp:	38660
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 10:57:36 AM



#68

1-Bromo-4-Fluorobenzene

Concen: 9.779 ppbv

RT: 14.38 min Scan# 3607

Delta R.T. -0.04 min

Lab File: VL036563.D

Acq: 30 Mar 2021 10:16

Tgt Ion:	95	Resp:	2130859
Ion Ratio	Lower	Upper	
95	100		
174	67.2	51.0	76.6
175	5.2	3.9	5.9

