

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021021\
 Data File : VL036328.D
 Acq On : 10 Feb 2021 21:56
 Operator : SY/AP
 Sample : M1343-02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-3B

Manual Integrations
 APPROVED

MMDadoda
 2/12/2021 1:42:36 PM

Quant Time: Feb 11 20:59:26 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-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	1559167	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3464643	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3094286	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2533930	9.95	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	72216m	0.310	ppbv	
3) Chlorodifluoromethane	2.98	51	732000m	3.778	ppbv	
4) Chloromethane	3.13	50	51711	0.553	ppbv	96
9) Propene	3.01	41	181974m	2.519	ppbv	
11) Trichlorofluoromethane	3.93	101	50862m	0.223	ppbv	
13) Ethanol	3.62	45	17848425	1315.607	ppbv	93
15) Acetone	3.84	43	1521763	7.985	ppbv	99
17) tert-Butyl alcohol	4.31	59	41619m	0.281	ppbv	
19) Isopropyl Alcohol	3.99	45	5083132m	48.140	ppbv	
20) Methylene Chloride	4.33	84	156318m	2.542	ppbv	
26) Hexane	5.67	57	125527	0.830	ppbv	93
29) Chloroform	5.74	83	36280	0.149	ppbv	93
34) 2-Butanone	5.23	43	108127	0.470	ppbv	97
35) Carbon Tetrachloride	7.00	117	16739m	0.072	ppbv	
36) Benzene	6.87	78	492667	1.674	ppbv #	93
53) Toluene	9.78	91	340507m	1.068	ppbv	
59) m/p-Xylene	12.95	91	66603m	0.179	ppbv	

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

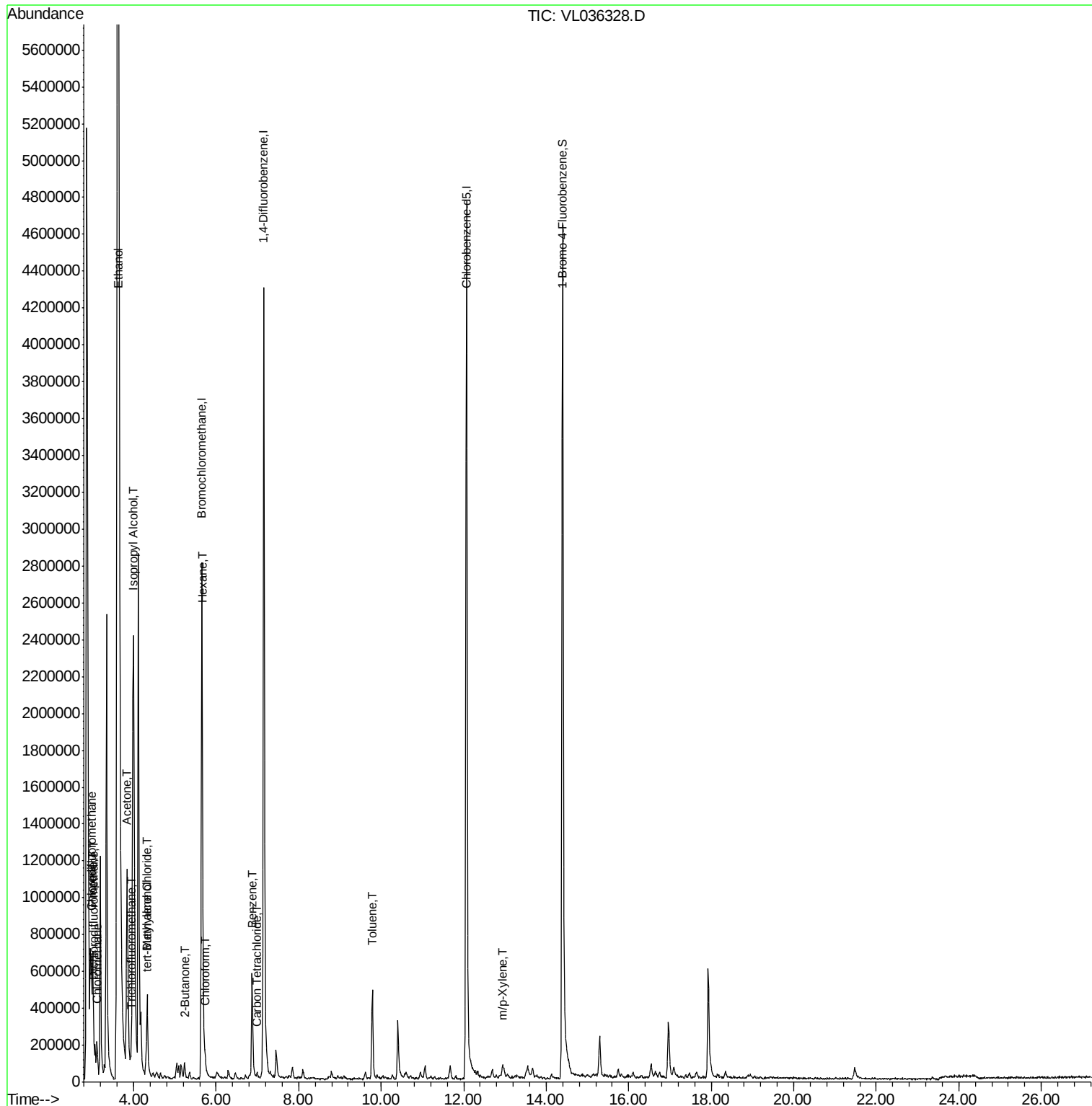
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Data File : VL036328.D
Acq On : 10 Feb 2021 21:56
Operator : SY/AP
Sample : M1343-02
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

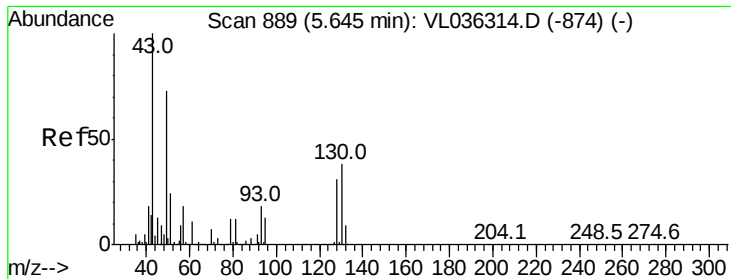
Instrument :
MSVOA_L
ClientSampleId :
SR-3B

Manual Integrations

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Quant Time: Feb 11 20:59:26 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed 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: VL036328.D

Acq: 10 Feb 2021 21:56

Instrument :

MSVOA_L

ClientSampleId :

SR-3B

Tot Ion: 49 Resp: 1559167

Ion Ratio Lower Upper

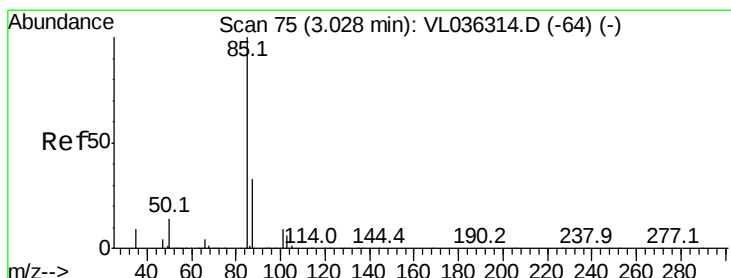
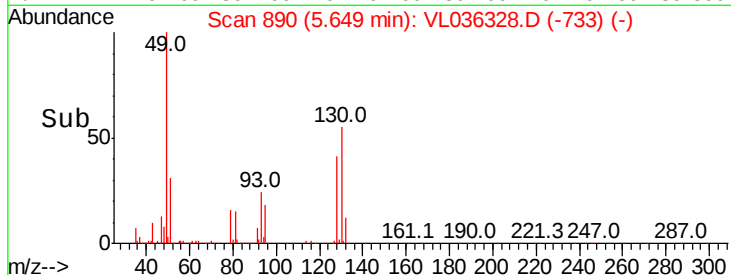
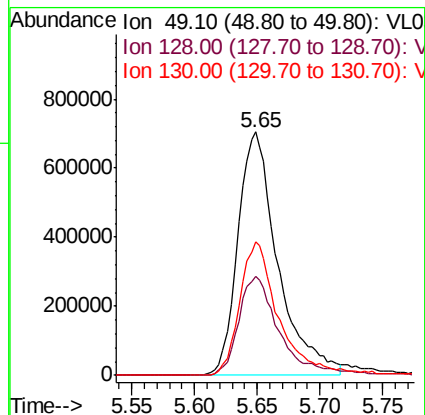
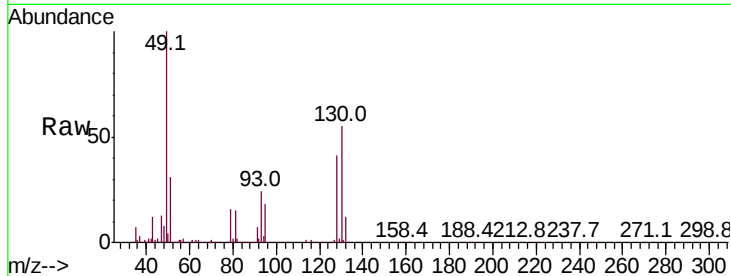
49 100

128 42.5 20.8 62.5

130 54.9 26.7 80.1

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#2

Dichlorodifluoromethane

Concen: 0.310 ppbv m

RT: 3.03 min Scan# 77

Delta R.T. 0.01 min

Lab File: VL036328.D

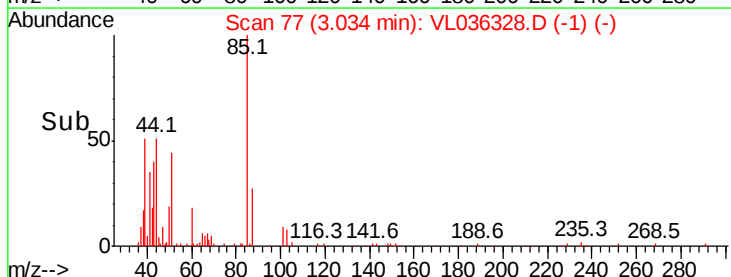
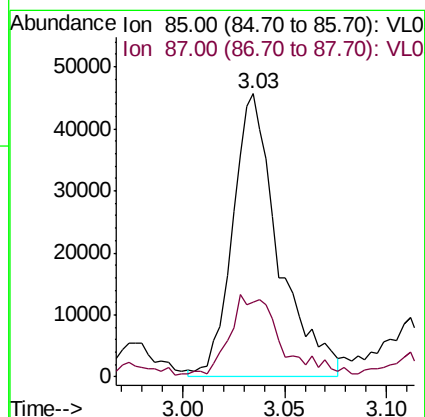
Acq: 10 Feb 2021 21:56

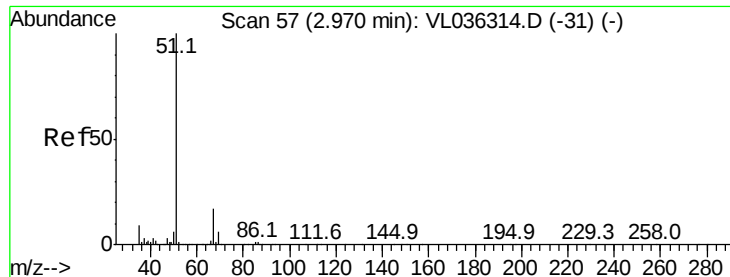
Tgt Ion: 85 Resp: 72216

Ion Ratio Lower Upper

85 100

87 26.5 26.5 39.7





#3

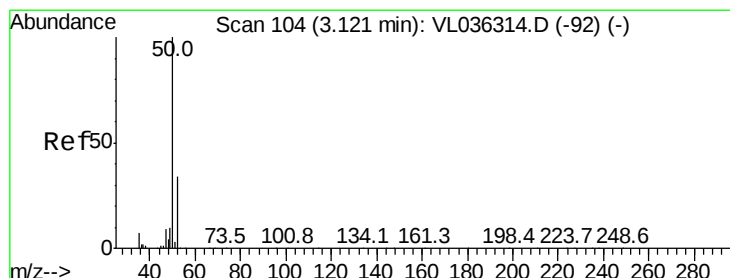
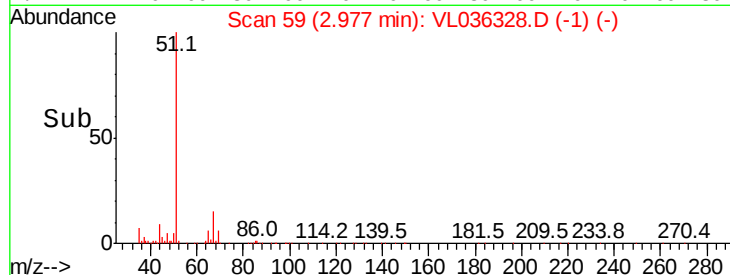
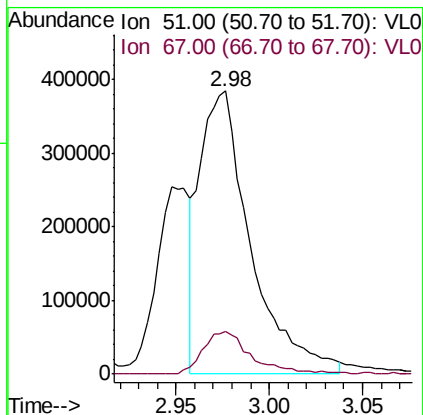
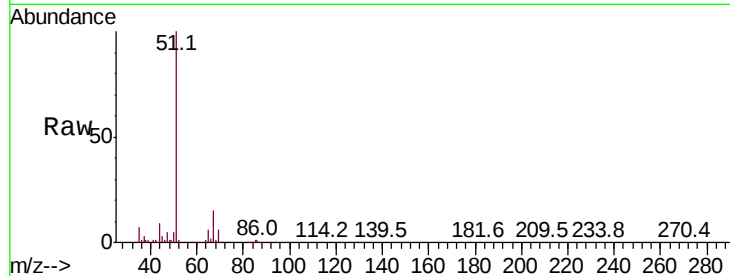
Chlorodifluoromethane
 Concen: 3.778 ppbv
 RT: 2.98 min Scan# 59
 Delta R.T. 0.01 min
 Lab File: VL036328.D
 Acq: 10 Feb 2021 21:56

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-3B

Tot Ion	Ratio	Lower	Upper
51	100		
67	15.0	14.7	22.1

Manual Integrations
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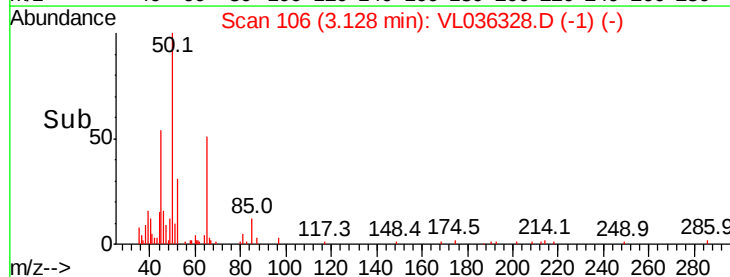
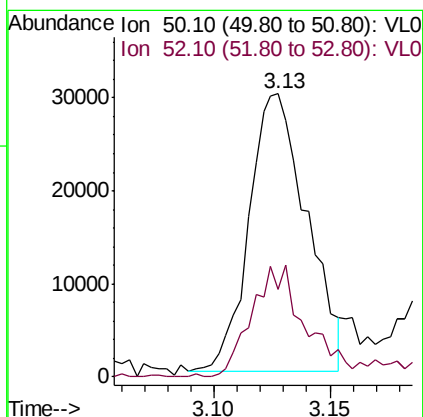
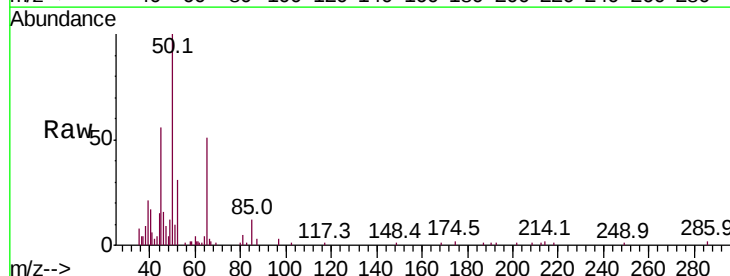
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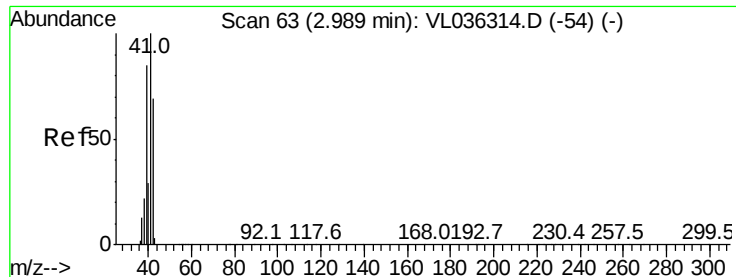


#4

Chloromethane
 Concen: 0.553 ppbv
 RT: 3.13 min Scan# 106
 Delta R.T. 0.01 min
 Lab File: VL036328.D
 Acq: 10 Feb 2021 21:56

Tgt Ion	Ratio	Lower	Upper
50	100		
52	31.6	27.0	40.4





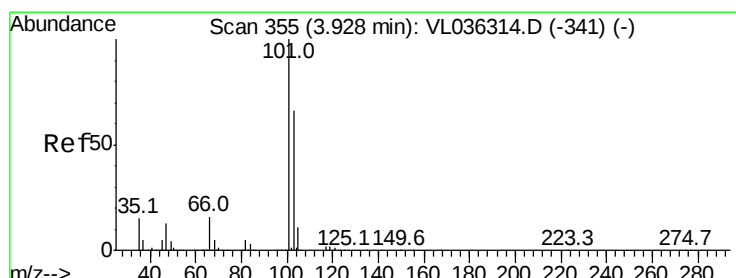
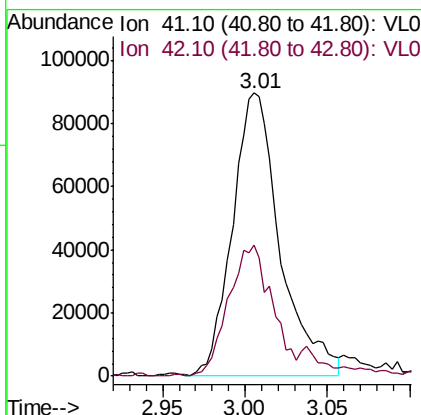
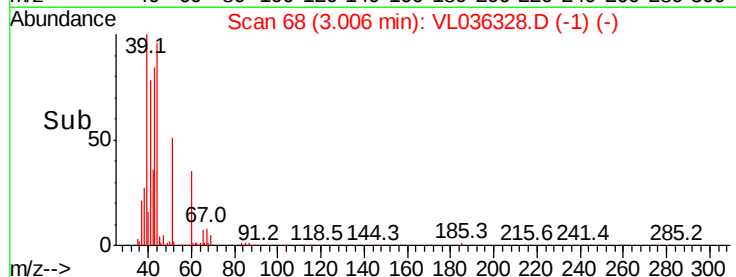
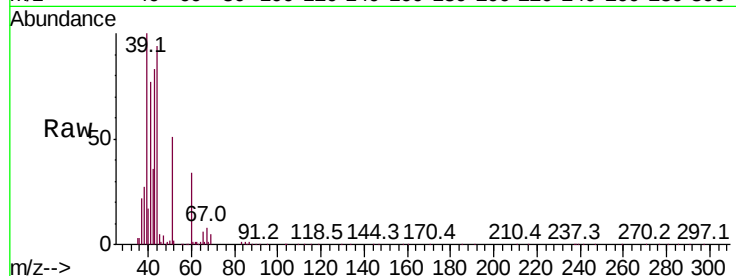
#9
 Propene
 Concen: 2.519 ppbv m
 RT: 3.01 min Scan# 68
 Delta R.T. 0.02 min
 Lab File: VL036328.D
 Acq: 10 Feb 2021 21:56

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-3B

Tot Ion: 41 Resp: 181974
 Ion Ratio Lower Upper
 41 100
 42 151.8 56.2 84.2#

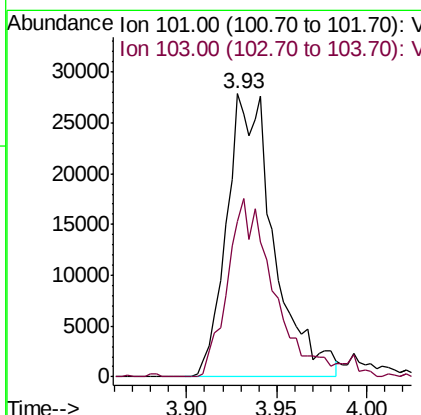
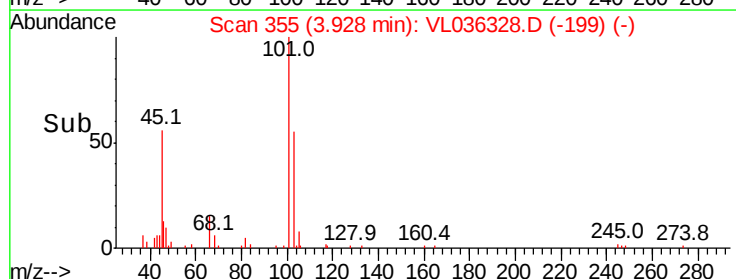
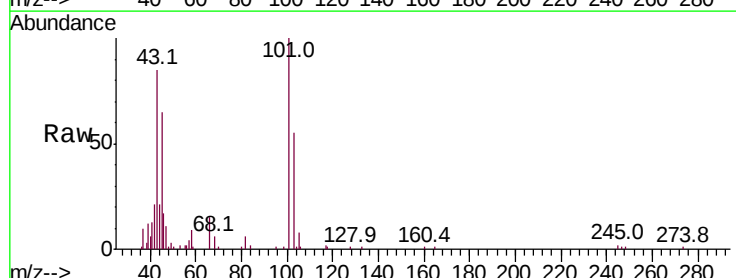
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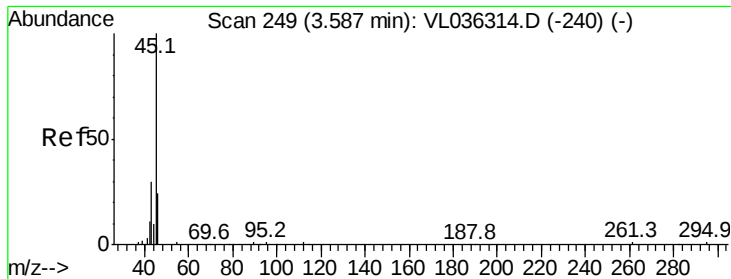
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#11
 Trichlorofluoromethane
 Concen: 0.223 ppbv m
 RT: 3.93 min Scan# 355
 Delta R.T. 0.00 min
 Lab File: VL036328.D
 Acq: 10 Feb 2021 21:56

Tgt Ion: 101 Resp: 50862
 Ion Ratio Lower Upper
 101 100
 103 55.1 52.9 79.3





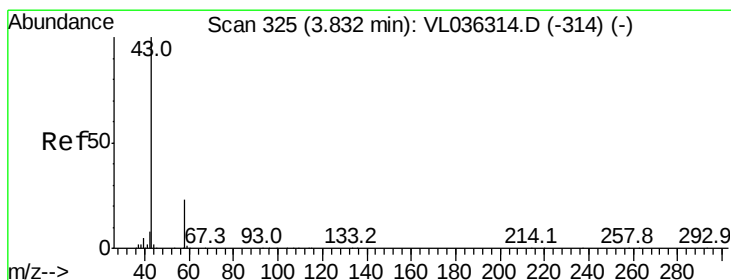
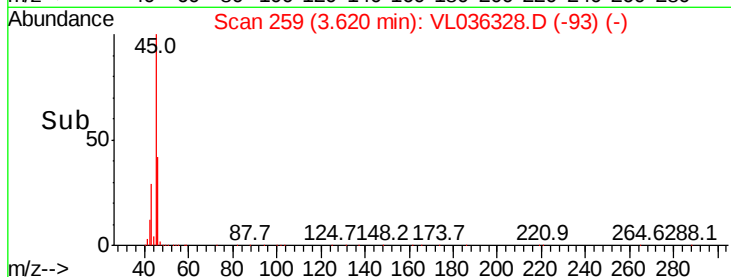
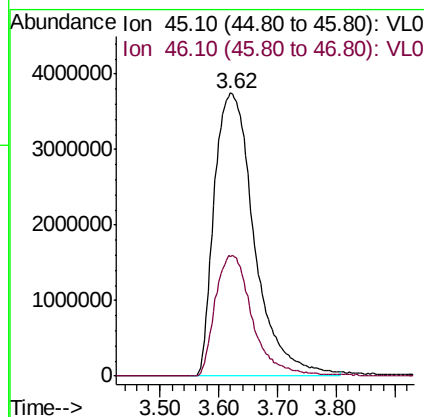
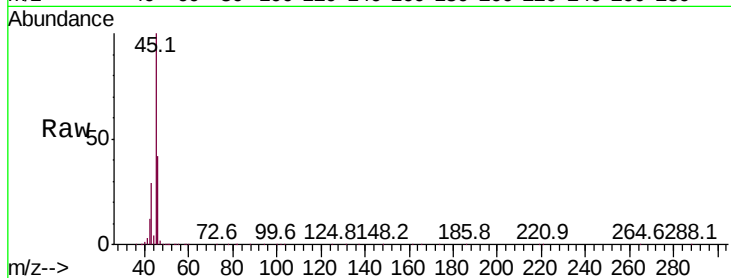
#13
Ethanol
Concen: 1315.607 ppbv
RT: 3.62 min Scan# 259
Delta R.T. 0.03 min
Lab File: VL036328.D
Acq: 10 Feb 2021 21:56

Instrument :
MSVOA_L
ClientSampleId :
SR-3B

Tot Ion: 45 Resp: 17848425
Ion Ratio Lower Upper
45 100
46 39.9 17.7 70.7

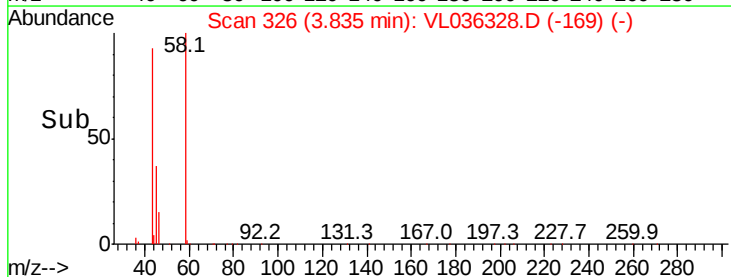
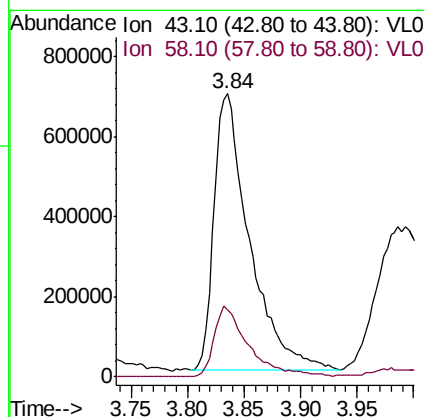
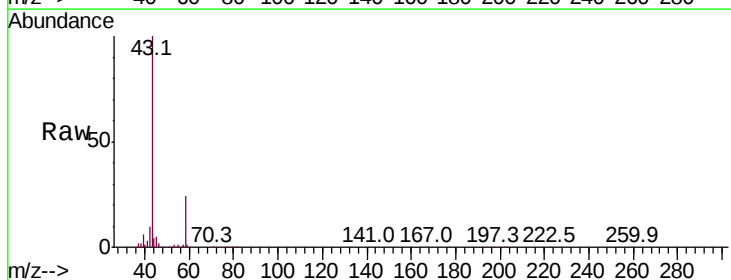
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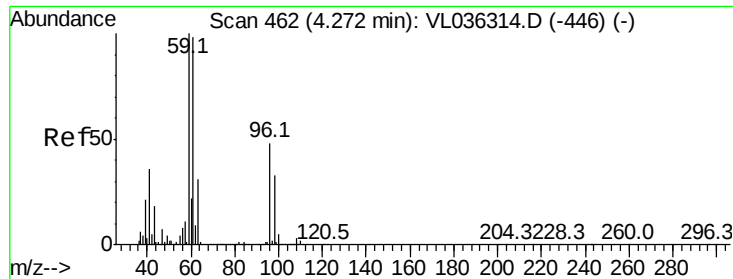
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#15
Acetone
Concen: 7.985 ppbv
RT: 3.84 min Scan# 326
Delta R.T. 0.00 min
Lab File: VL036328.D
Acq: 10 Feb 2021 21:56

Tgt Ion: 43 Resp: 1521763
Ion Ratio Lower Upper
43 100
58 24.8 20.3 30.5





#17

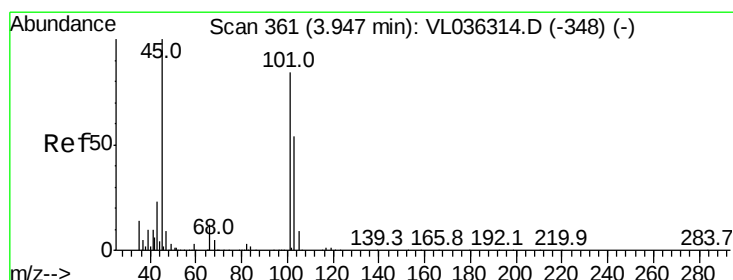
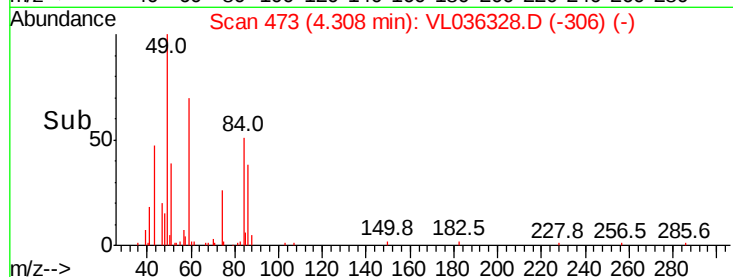
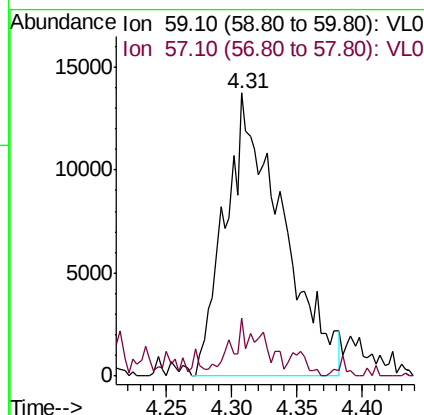
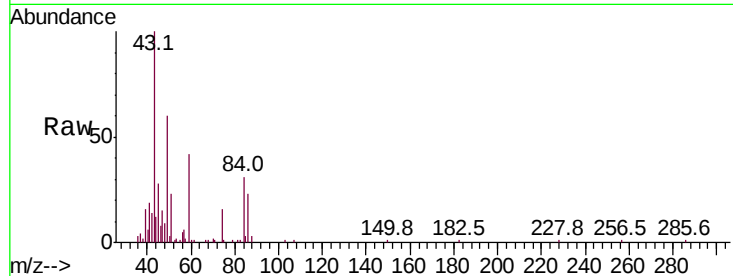
tert-Butyl alcohol
 Concen: 0.281 ppbv m
 RT: 4.31 min Scan# 473
 Delta R.T. 0.04 min
 Lab File: VL036328.D
 Acq: 10 Feb 2021 21:56

Instrument :
 MSVOA_L
 ClientSampled :
 SR-3B

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.0	13.4#

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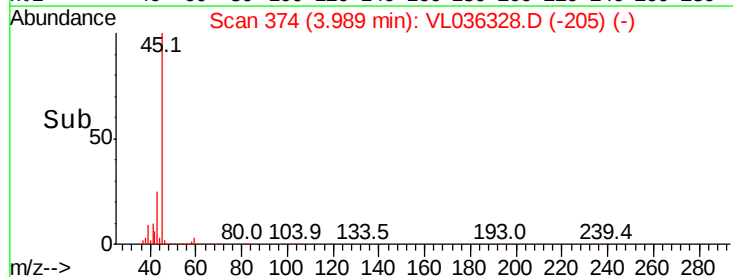
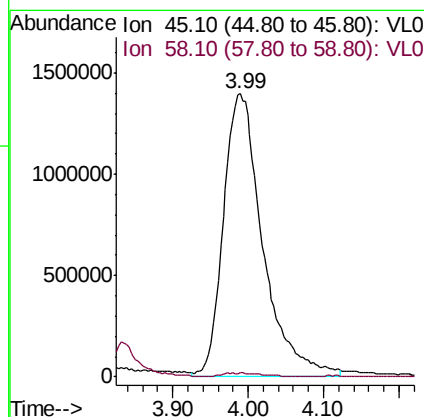
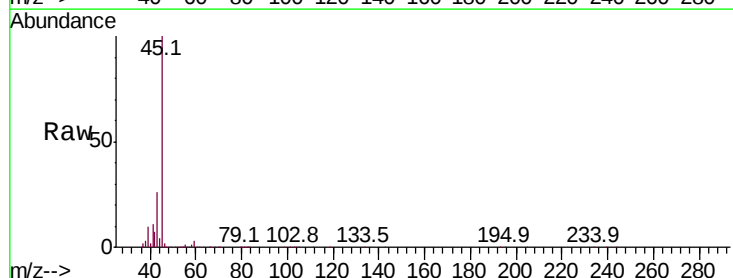
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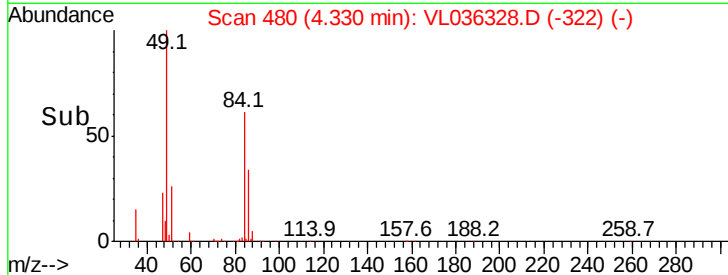
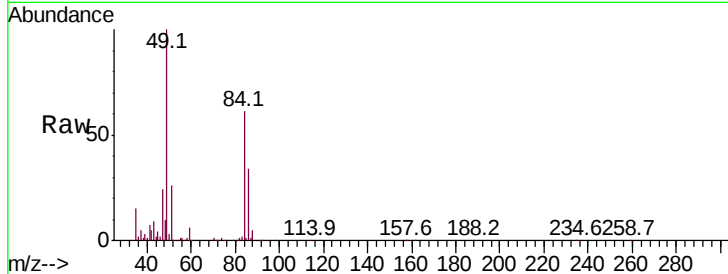
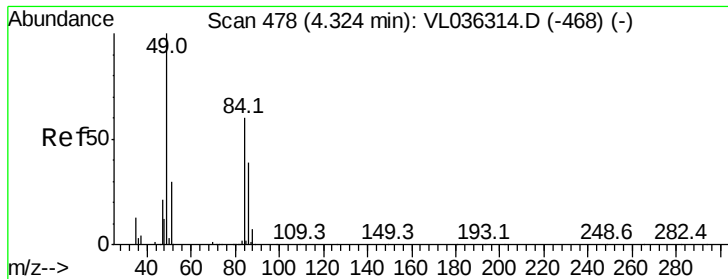


#19

Isopropyl Alcohol
 Concen: 48.140 ppbv m
 RT: 3.99 min Scan# 374
 Delta R.T. 0.04 min
 Lab File: VL036328.D
 Acq: 10 Feb 2021 21:56

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





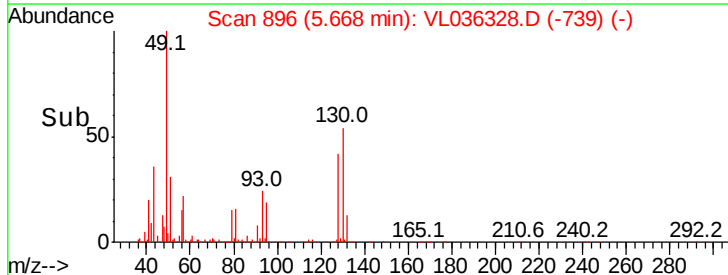
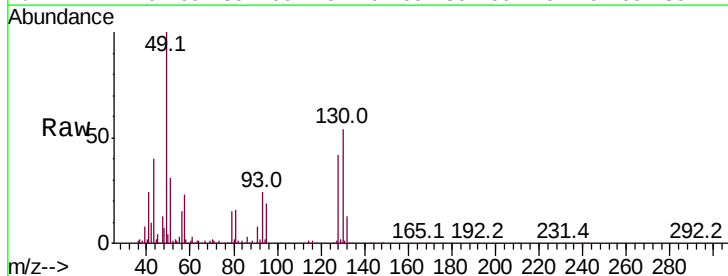
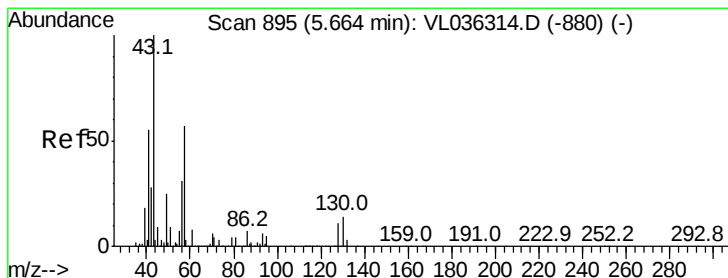
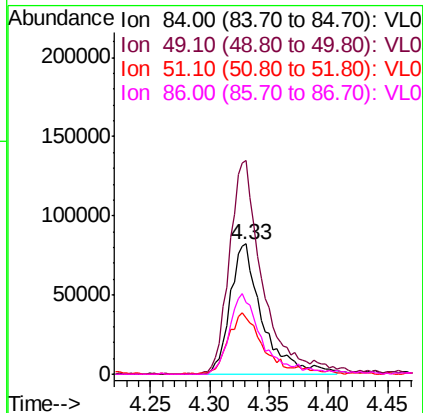
#20
Methylene Chloride
Concen: 2.542 ppbv
RT: 4.33 min Scan# 480
Delta R.T. 0.01 min
Lab File: VL036328.D
Acq: 10 Feb 2021 21:56

Tot Ion	Ion	Ratio	Resp	Lower	Upper
84	100				
49	164.1	133.8	200.8		
51	43.3	41.4	62.0		
86	55.3	51.5	77.3		

Instrument :
MSVOA_L
ClientSampleId :
SR-3B

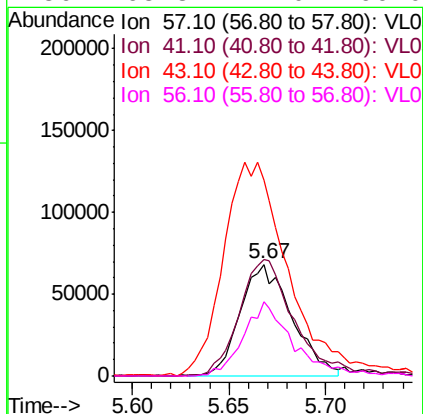
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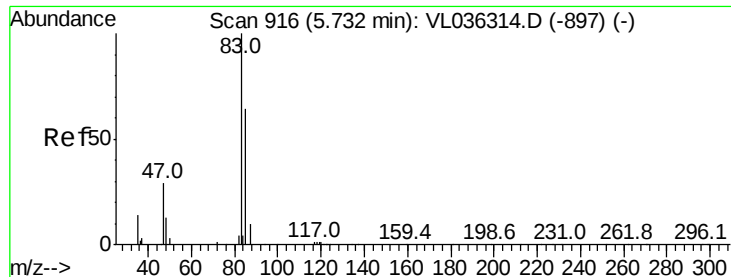
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#26
Hexane
Concen: 0.830 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.00 min
Lab File: VL036328.D
Acq: 10 Feb 2021 21:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	116.9	81.7	122.5		
43	245.0	199.1	298.7		
56	65.8	44.0	66.0		





#29

Chloroform

Concen: 0.149 ppbv

RT: 5.74 min Scan# 917

Delta R.T. 0.00 min

Lab File: VL036328.D

Acq: 10 Feb 2021 21:56

Instrument :

MSVOA_L

ClientSampled :

SR-3B

Tot Ion: 83 Resp: 36280

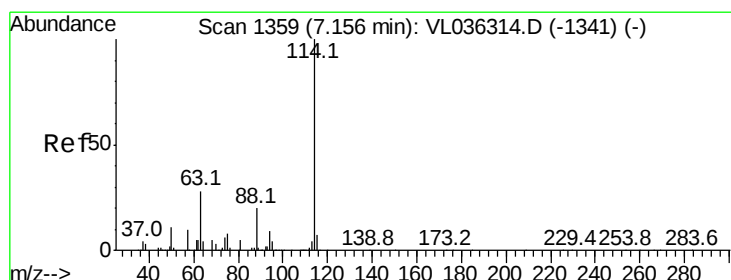
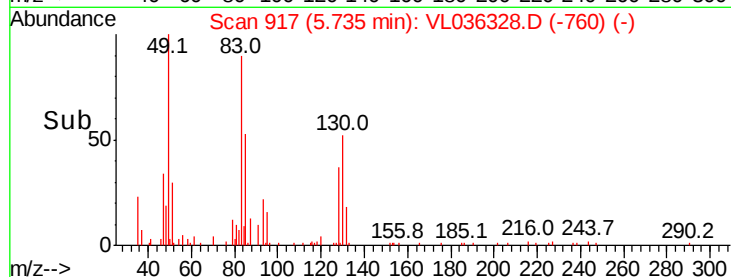
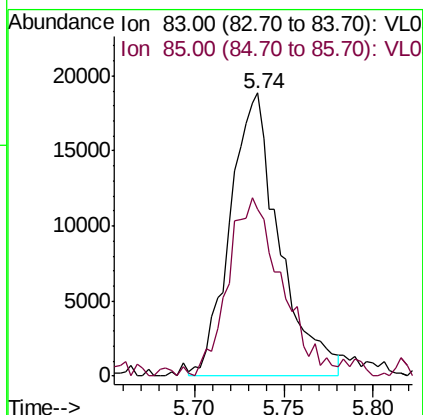
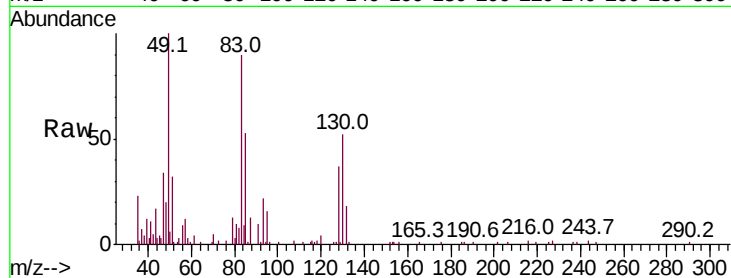
Ion Ratio Lower Upper

83 100

85 58.9 51.4 77.2

Manual Integrations
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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VL036328.D

Acq: 10 Feb 2021 21:56

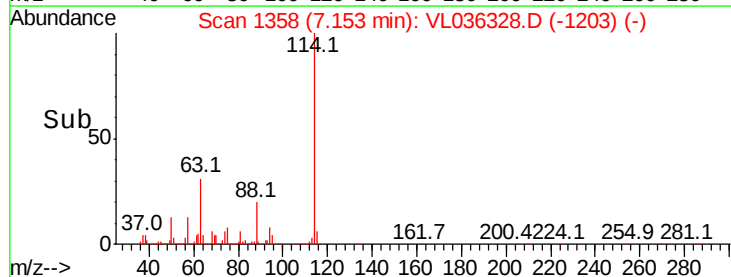
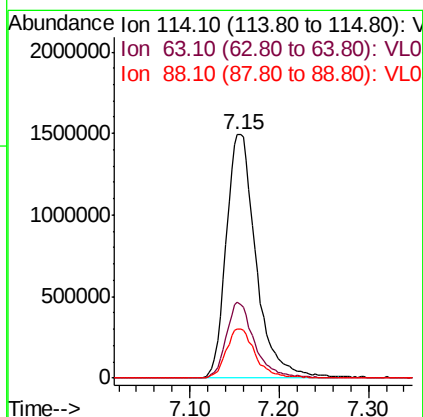
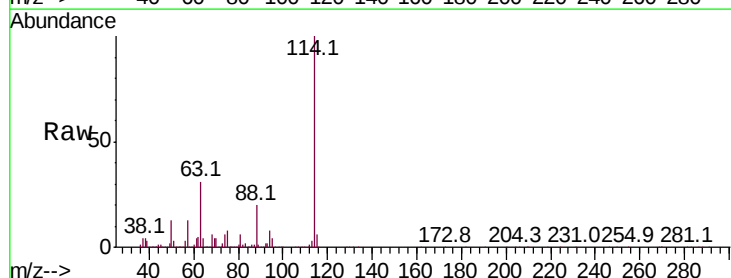
Tgt Ion: 114 Resp: 3464643

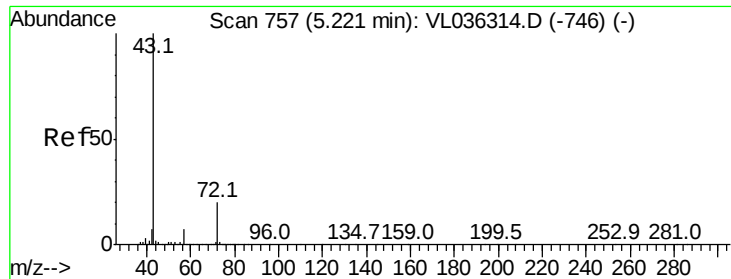
Ion Ratio Lower Upper

114 100

63 29.7 24.1 36.1

88 19.8 16.0 24.0





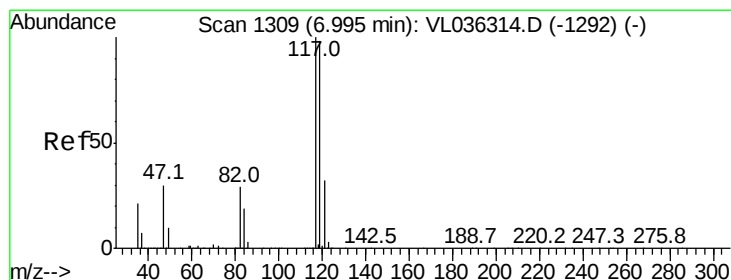
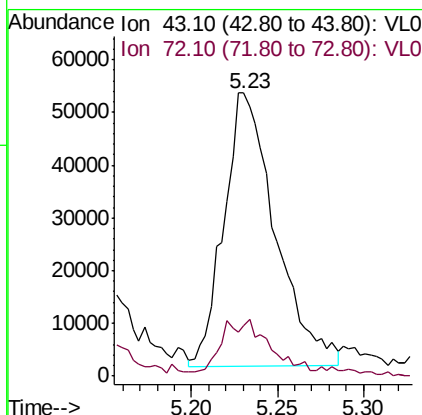
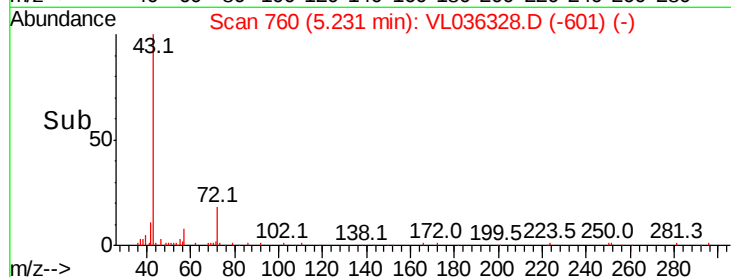
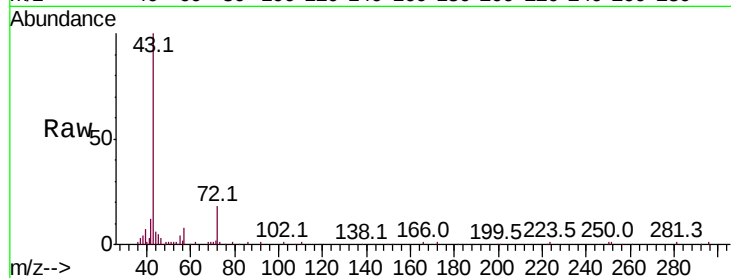
#34
2-Butanone
Concen: 0.470 ppbv
RT: 5.23 min Scan# 760
Delta R.T. 0.01 min
Lab File: VL036328.D
Acq: 10 Feb 2021 21:56

Instrument :
MSVOA_L
ClientSampleId :
SR-3B

Tot Ion: 43 Resp: 108127
Ion Ratio Lower Upper
43 100
72 22.3 16.7 25.1

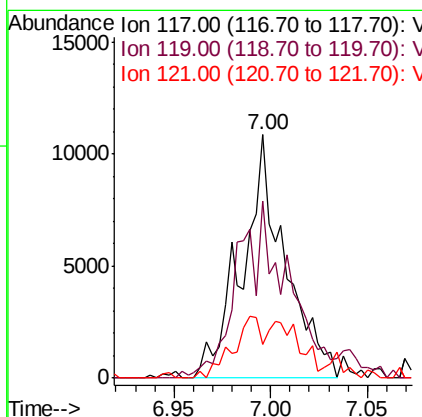
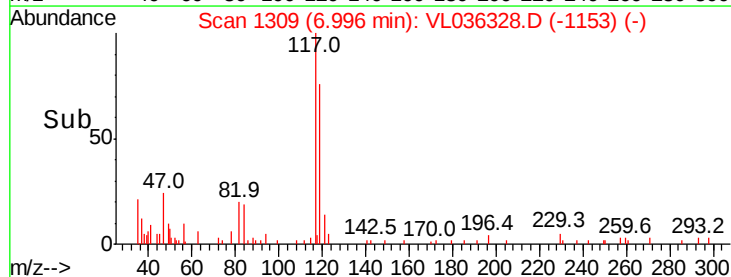
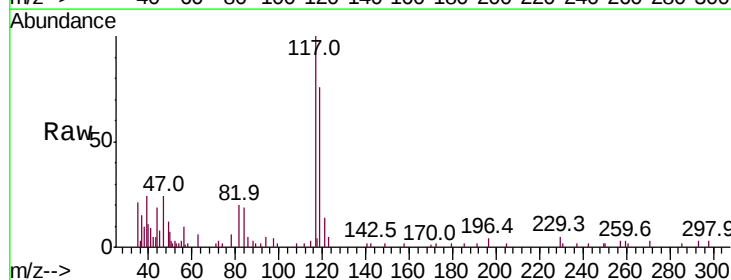
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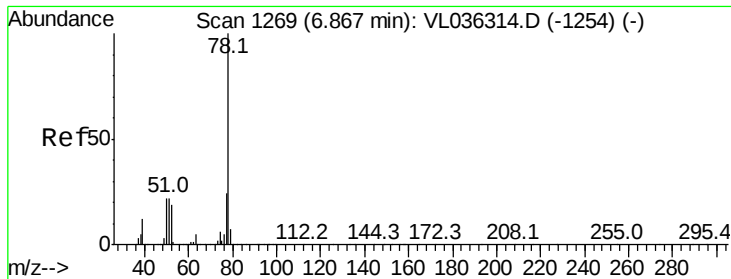
MMDadoda
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#35
Carbon Tetrachloride
Concen: 0.072 ppbv m
RT: 7.00 min Scan# 1309
Delta R.T. 0.00 min
Lab File: VL036328.D
Acq: 10 Feb 2021 21:56

Tgt Ion: 117 Resp: 16739
Ion Ratio Lower Upper
117 100
119 75.7 78.1 117.1#
121 14.1 25.8 38.8#





#36

Benzene

Concen: 1.674 ppbv

RT: 6.87 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VL036328.D

Acq: 10 Feb 2021 21:56

Instrument :

MSVOA_L

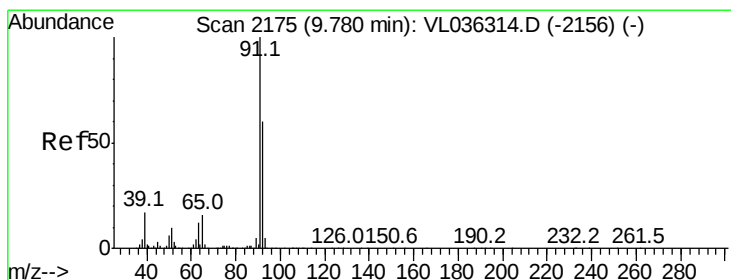
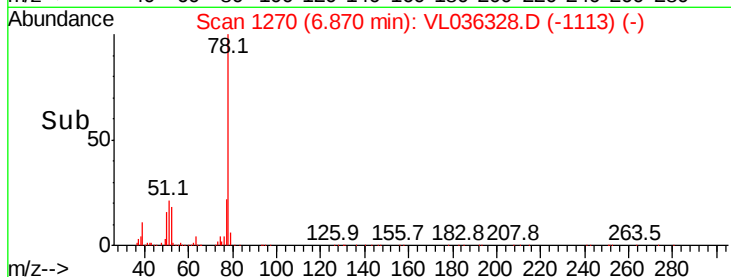
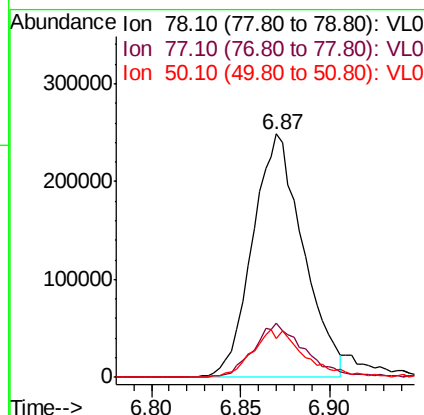
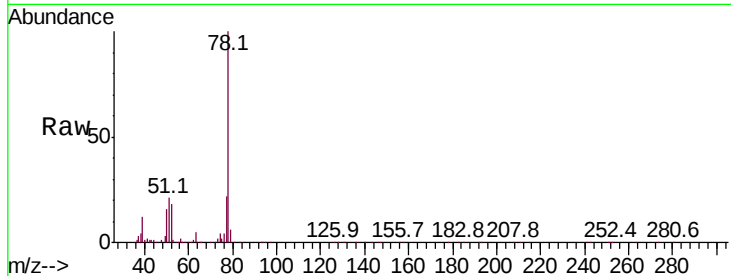
ClientSampleId :

SR-3B

Tot Ion:	78	Resp:	492667
Ion Ratio	Lower	Upper	
78	100		
77	22.2	18.9	28.3
50	15.9	17.3	25.9#

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#53

Toluene

Concen: 1.068 ppbv m

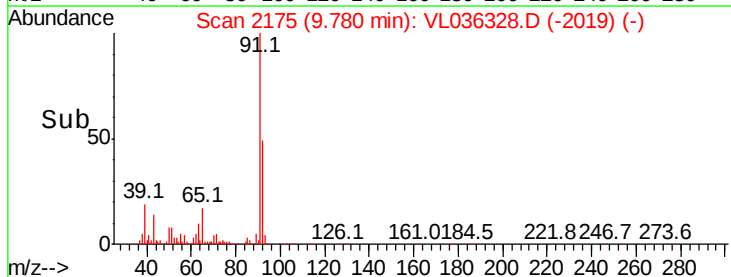
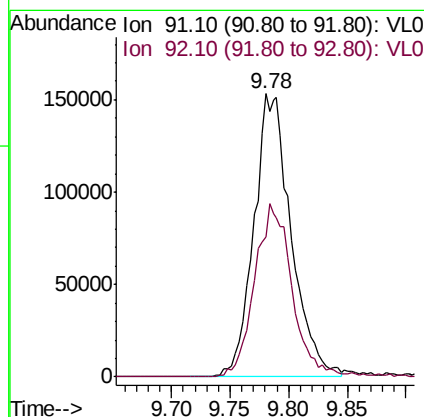
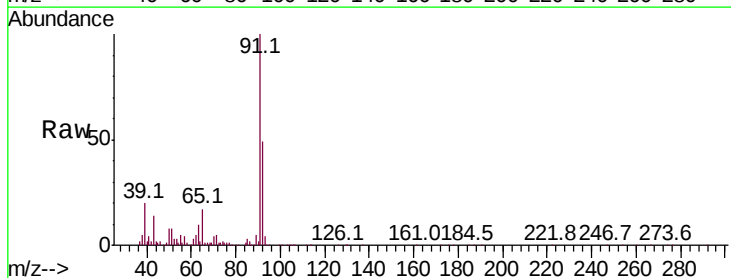
RT: 9.78 min Scan# 2175

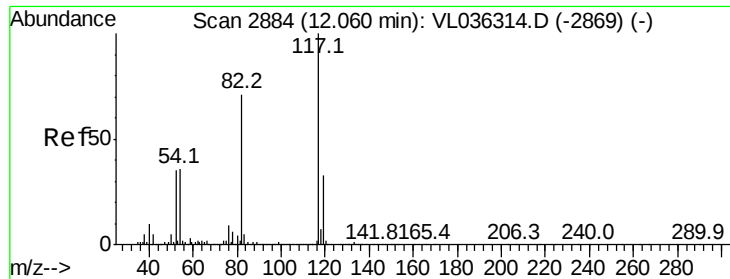
Delta R.T. 0.00 min

Lab File: VL036328.D

Acq: 10 Feb 2021 21:56

Tgt Ion:	91	Resp:	340507
Ion Ratio	Lower	Upper	
91	100		
92	62.1	48.6	72.8





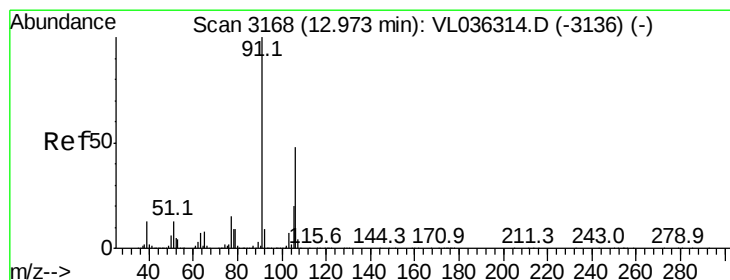
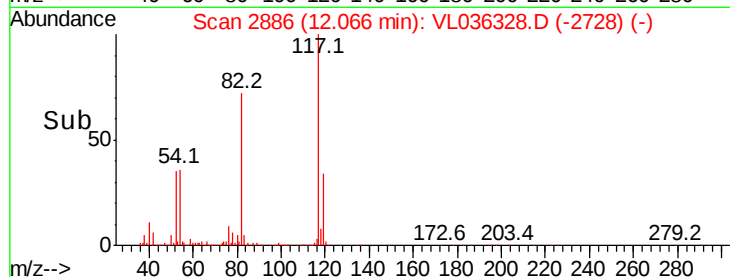
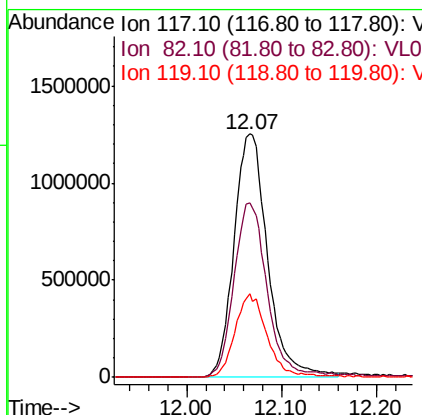
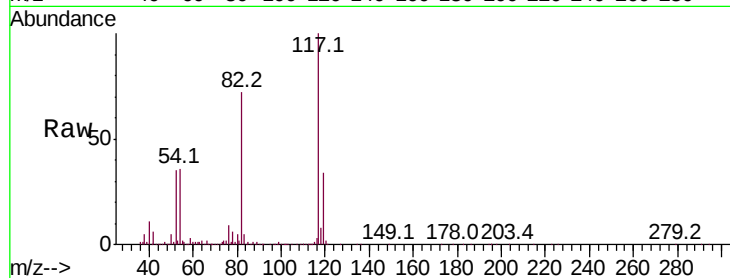
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. 0.01 min
Lab File: VL036328.D
Acq: 10 Feb 2021 21:56

Instrument :
MSVOA_L
ClientSampleId :
SR-3B

Tot Ion	Ratio	Lower	Upper
117	100		
82	72.8	59.1	88.7
119	33.2	46.3	69.5

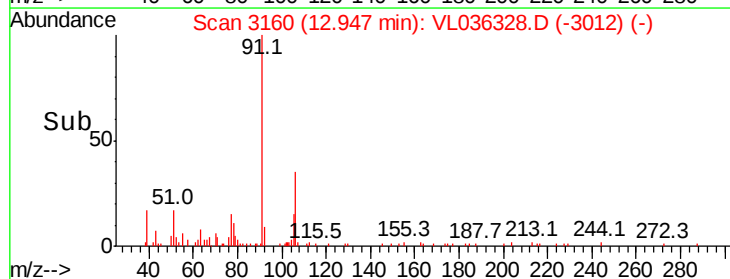
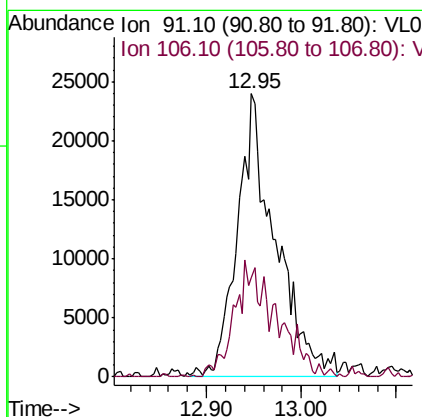
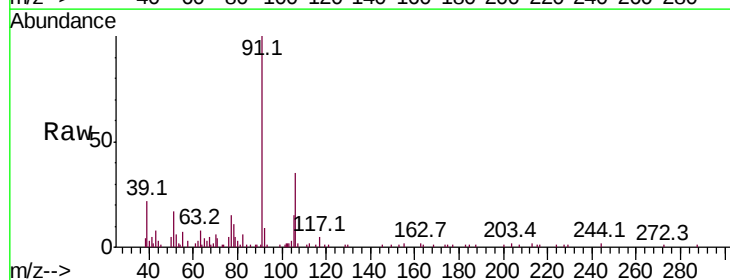
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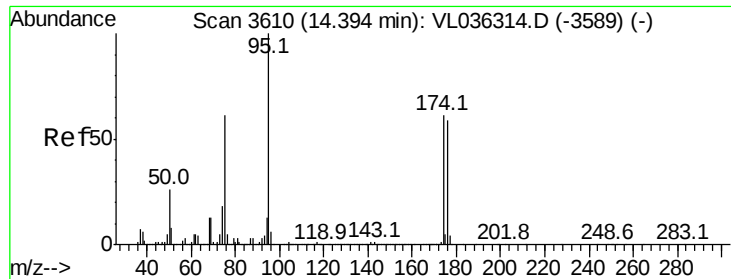
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#59
m/p-Xylene
Concen: 0.179 ppbv m
RT: 12.95 min Scan# 3160
Delta R.T. -0.03 min
Lab File: VL036328.D
Acq: 10 Feb 2021 21:56

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	34.2	51.2





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.953 ppbv
 RT: 14.40 min Scan# 3611
 Delta R.T. 0.00 min
 Lab File: VL036328.D
 Acq: 10 Feb 2021 21:56

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-3B

Tot Ion: 95 Resp: 2533930
 Ion Ratio Lower Upper
 95 100
 174 59.4 49.8 74.6
 175 4.6 3.7 5.5

Manual Integrations
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