

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032621\
 Data File : VL036528.D
 Acq On : 27 Mar 2021 00:30
 Operator : SY/AP
 Sample : M1760-17
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-5-TEACHERS-WORK-RM

Manual Integrations
 APPROVED

MMDadoda
 3/29/2021 4:39:49 PM

Quant Time: Mar 28 21:29:27 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 28 2021
 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	5.66	49	1362359	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3112149	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2770703	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.42	95	2194610	9.94	ppbv	0.00	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	48018	0.216	ppbv	90
4) Chloromethane	3.13	50	49386m	0.549	ppbv	
9) Propene	3.02	41	102885m	1.268	ppbv	
11) Trichlorofluoromethane	3.95	101	54681m	0.241	ppbv	
13) Ethanol	3.62	45	1567274	162.191	ppbv	94
15) Acetone	3.85	43	1227901	9.157	ppbv	98
19) Isopropyl Alcohol	3.98	45	417272	5.657	ppbv #	98
20) Methylene Chloride	4.34	84	744789	11.863	ppbv	93
26) Hexane	5.68	57	468586	3.167	ppbv #	48
34) 2-Butanone	5.25	43	54865m	0.361	ppbv	
35) Carbon Tetrachloride	7.02	117	14428m	0.060	ppbv	
36) Benzene	6.89	78	35200m	0.123	ppbv	
53) Toluene	9.81	91	58453m	0.191	ppbv	
59) m/p-Xylene	12.97	91	67884m	0.193	ppbv	

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

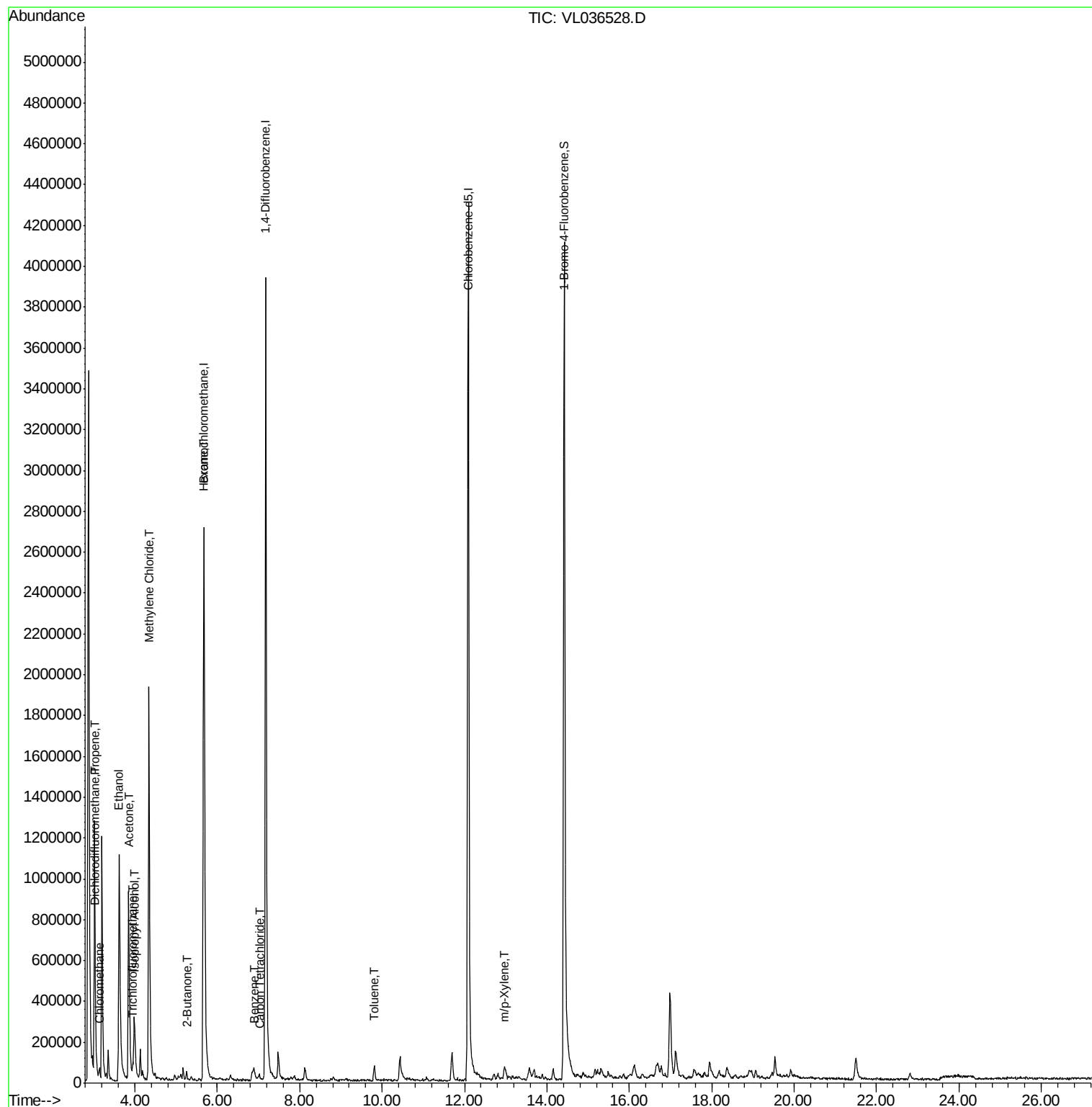
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032621\
Data File : VL036528.D
Acq On : 27 Mar 2021 00:30
Operator : SY/AP
Sample : M1760-17
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

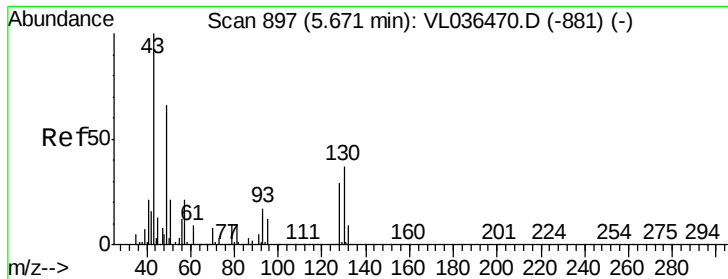
Instrument :
MSVOA_L
ClientSampleId :
SS-5-TEACHERS-WORK-RM

Manual Integrations
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Quant Time: Mar 28 21:29:27 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: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL036528.D

Acq: 27 Mar 2021 00:30

Instrument :

MSVOA_L

ClientSampleId :

SS-5-TEACHERS-WORK-RM

Tot Ion: 49 Resp: 1362359

Ion Ratio Lower Upper

49 100

128 45.1 23.5 70.6

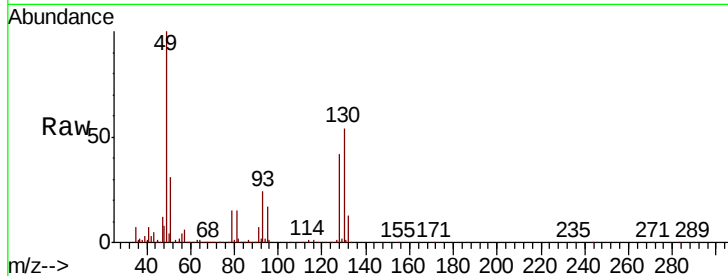
130 57.4 29.1 87.4

Manual Integrations

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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

800000

600000

400000

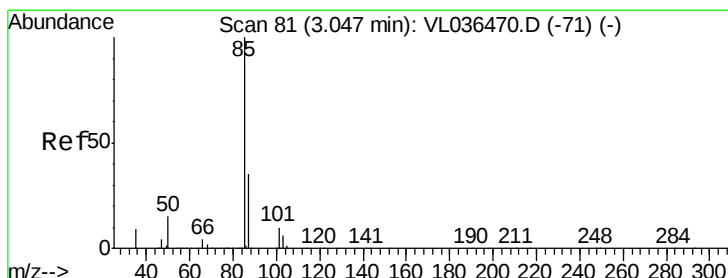
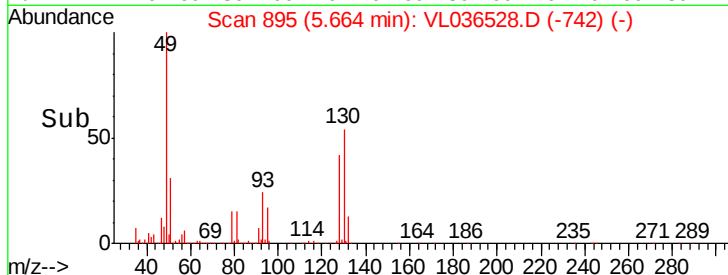
200000

0

5.66

5.60 5.65 5.70 5.75

Time-->



#2

Dichlorodifluoromethane

Concen: 0.216 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL036528.D

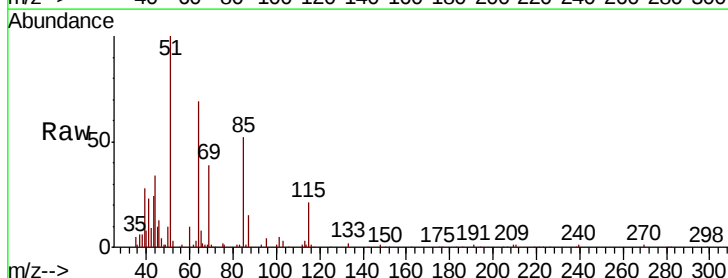
Acq: 27 Mar 2021 00:30

Tgt Ion: 85 Resp: 48018

Ion Ratio Lower Upper

85 100

87 29.0 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

20000

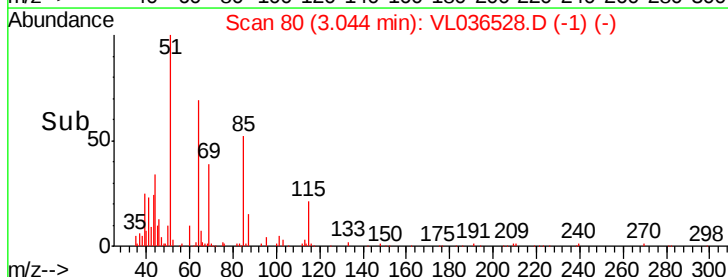
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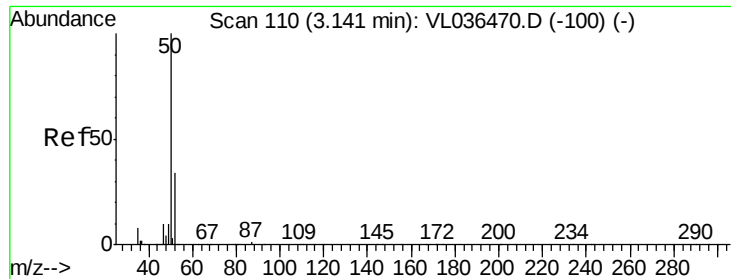
0

3.04

3.00 3.05

Time-->





#4

Chloromethane

Concen: 0.549 ppbv m

RT: 3.13 min Scan# 108

Delta R.T. -0.01 min

Lab File: VL036528.D

Acq: 27 Mar 2021 00:30

Instrument :

MSVOA_L

ClientSampleId :

SS-5-TEACHERS-WORK-RM

Tot Ion: 50 Resp: 49386

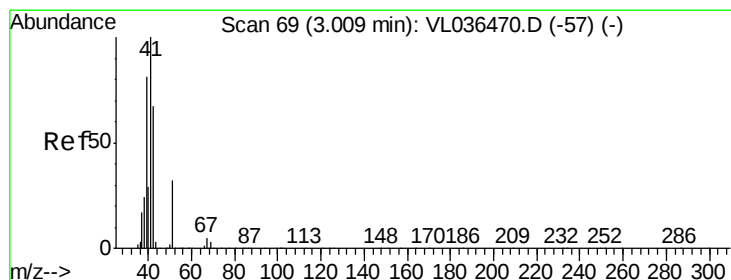
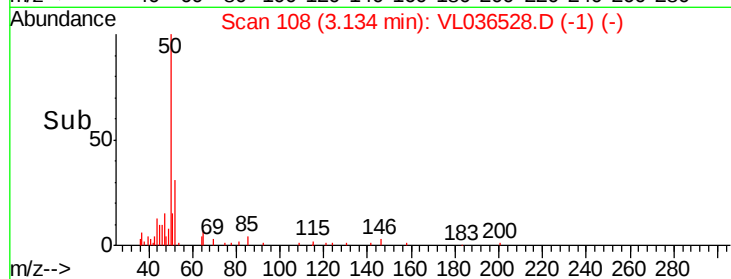
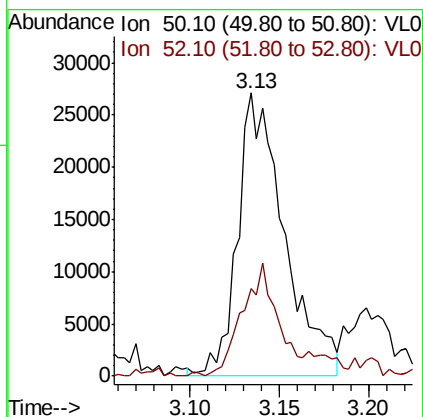
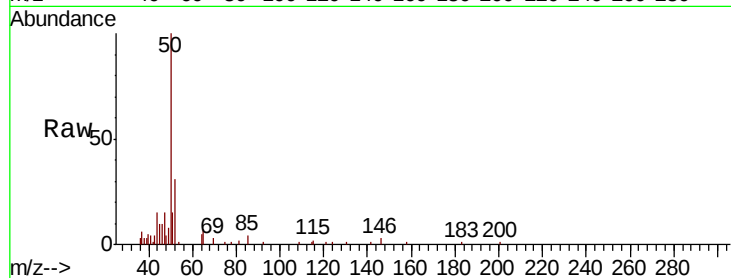
Ion Ratio Lower Upper

50 100

52 31.1 27.0 40.6

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#9

Propene

Concen: 1.268 ppbv m

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL036528.D

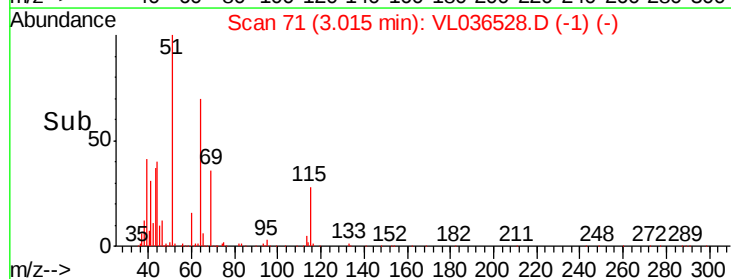
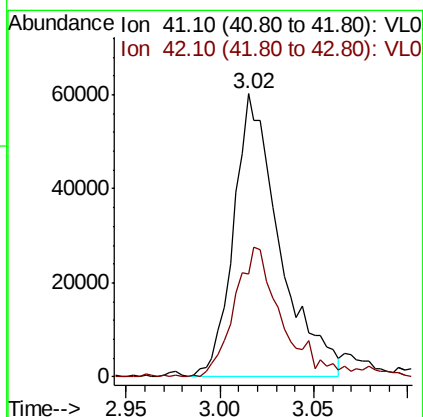
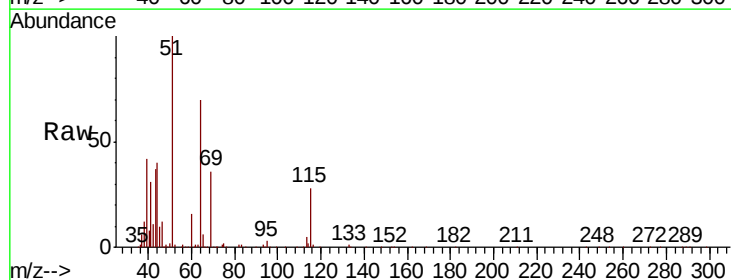
Acq: 27 Mar 2021 00:30

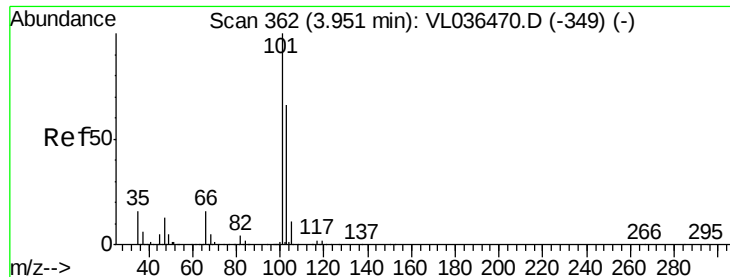
Tgt Ion: 41 Resp: 102885

Ion Ratio Lower Upper

41 100

42 264.0 57.0 85.4#





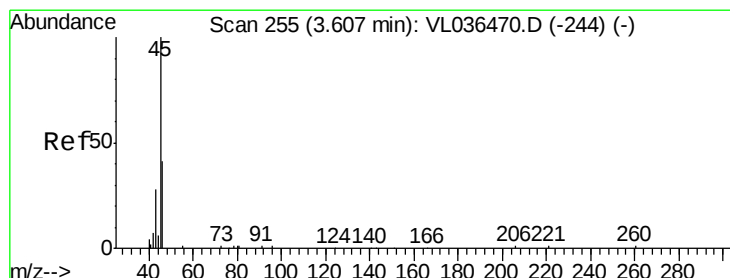
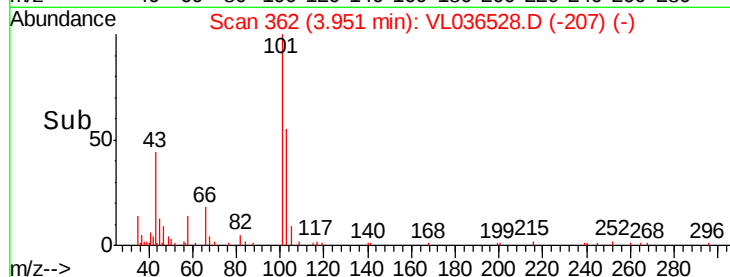
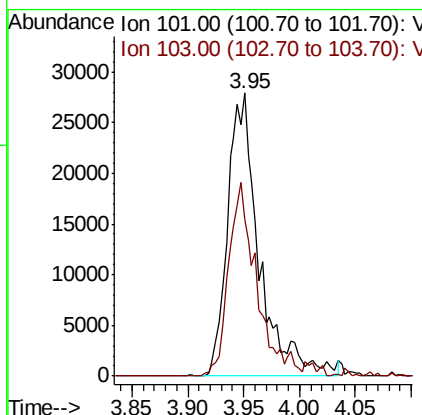
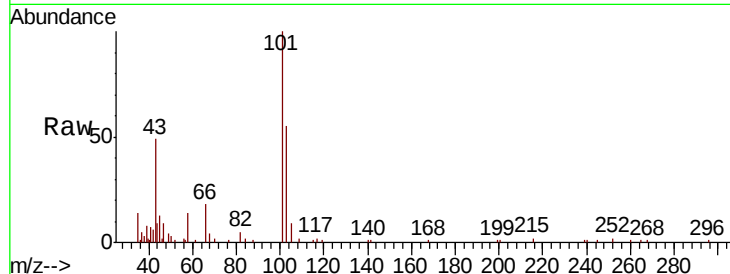
#11
Trichlorofluoromethane
Concen: 0.241 ppbv m
RT: 3.95 min Scan# 362
Delta R.T. -0.00 min
Lab File: VL036528.D
Acq: 27 Mar 2021 00:30

Instrument :
MSVOA_L
ClientSampleId :
SS-5-TEACHERS-WORK-RM

Tot Ion	Ratio	Lower	Upper
101	100		
103	55.3	52.5	78.7

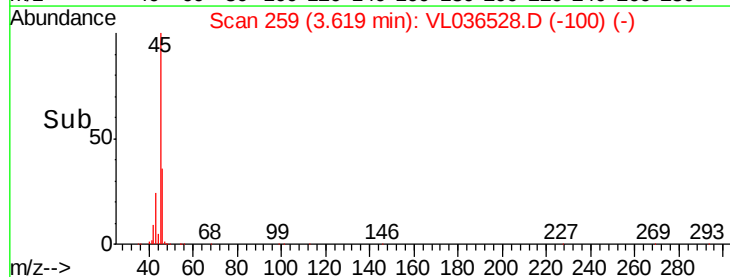
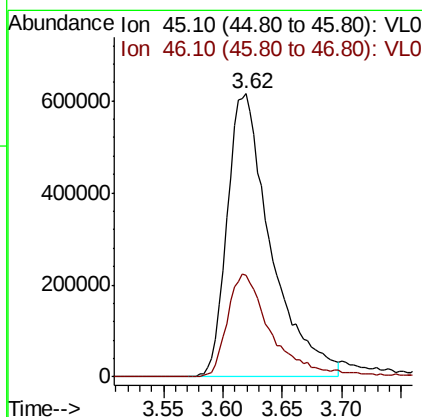
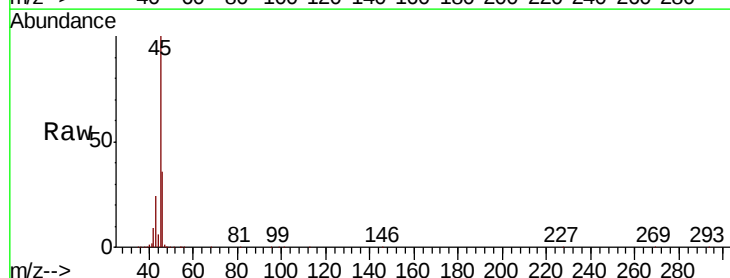
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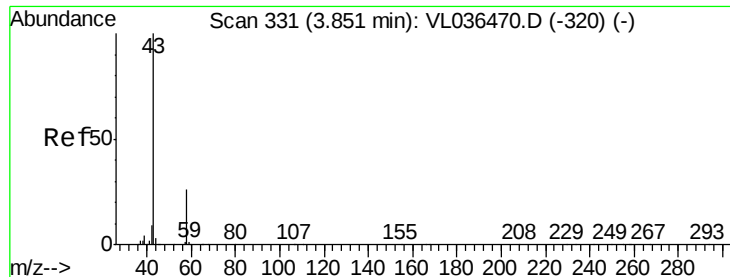
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#13
Ethanol
Concen: 162.191 ppbv
RT: 3.62 min Scan# 259
Delta R.T. 0.01 min
Lab File: VL036528.D
Acq: 27 Mar 2021 00:30

Tgt Ion	Ratio	Lower	Upper
45	100		
46	37.5	16.6	66.2





#15

Acetone

Concen: 9.157 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL036528.D

Acq: 27 Mar 2021 00:30

Instrument :

MSVOA_L

ClientSampleId :

SS-5-TEACHERS-WORK-RM

Tot Ion: 43 Resp: 1227901

Ion Ratio Lower Upper

43 100

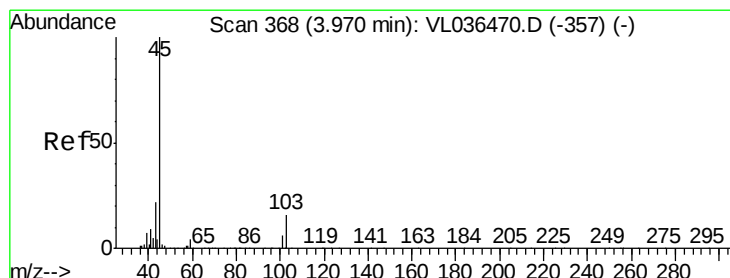
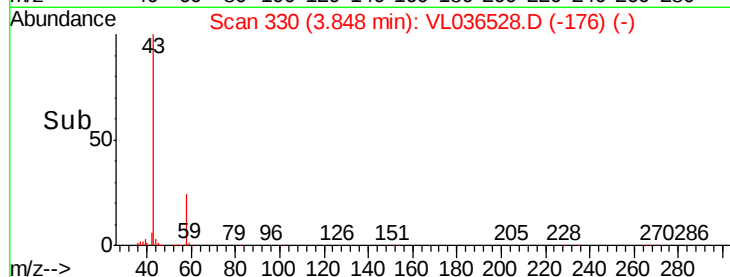
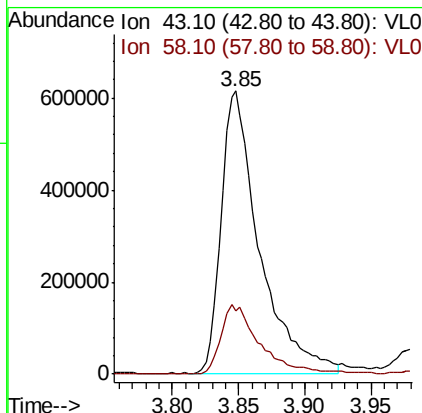
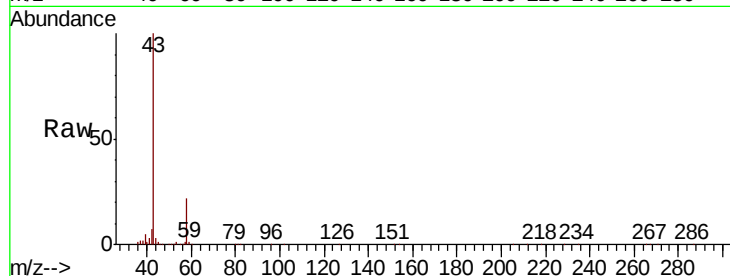
58 25.6 21.2 31.8

Manual Integrations

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#19

Isopropyl Alcohol

Concen: 5.657 ppbv

RT: 3.98 min Scan# 372

Delta R.T. 0.01 min

Lab File: VL036528.D

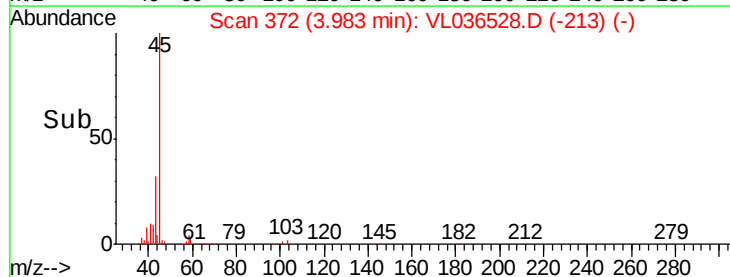
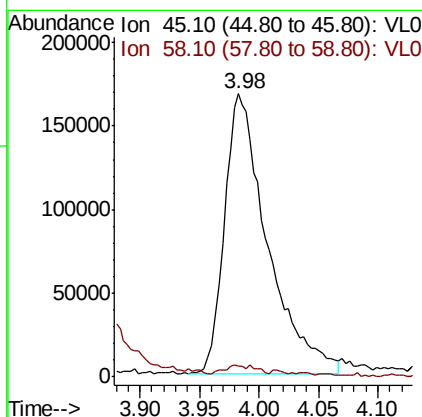
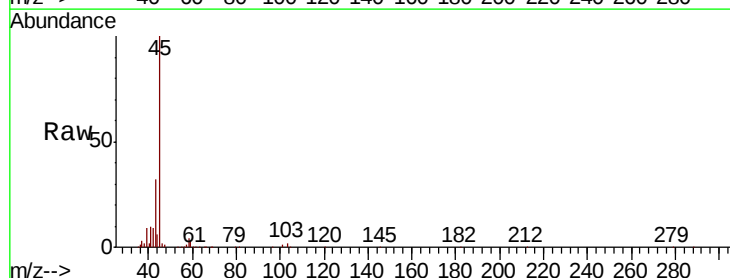
Acq: 27 Mar 2021 00:30

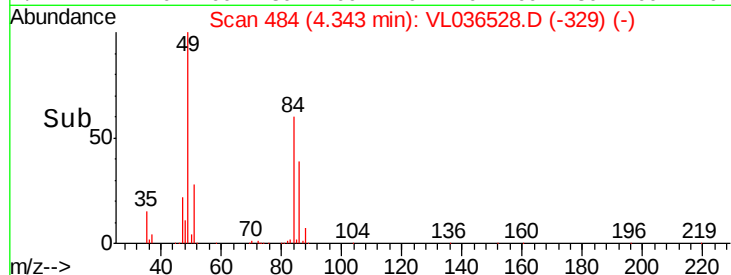
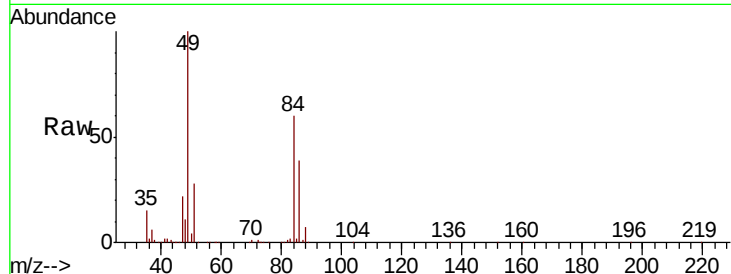
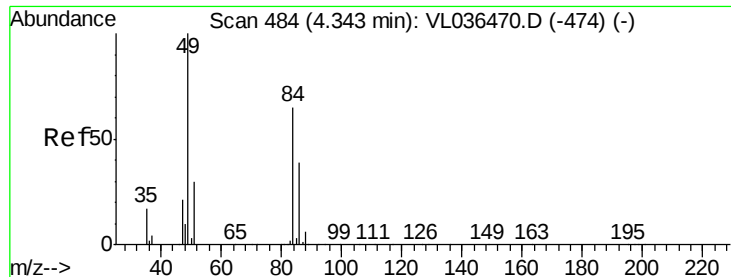
Tgt Ion: 45 Resp: 417272

Ion Ratio Lower Upper

45 100

58 4.3 2.9 4.3#





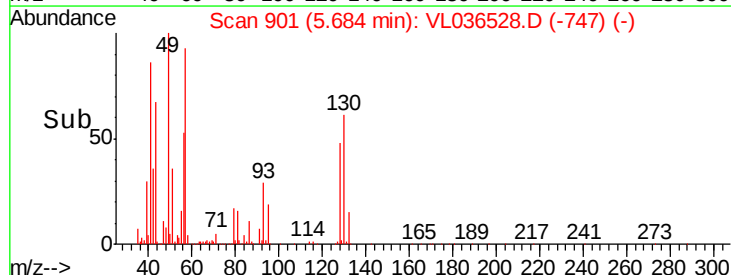
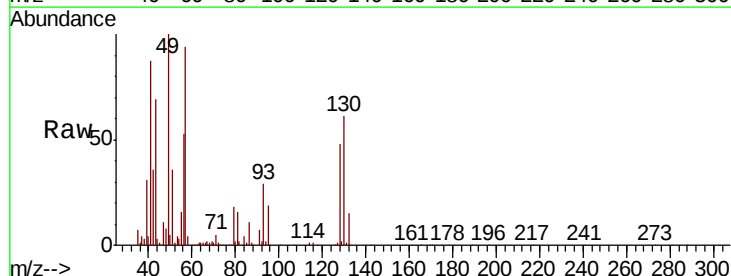
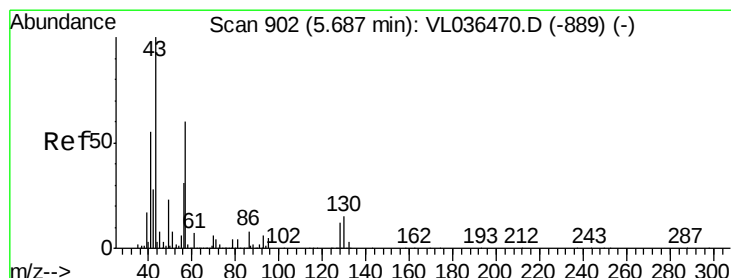
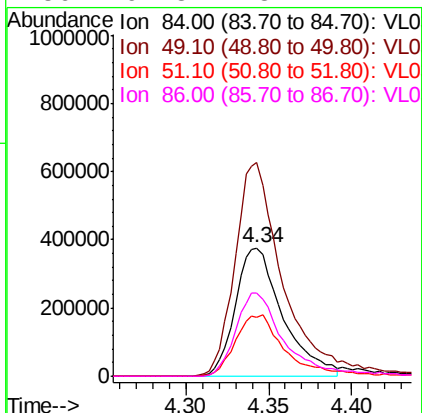
#20
Methvlene Chloride
Concen: 11.863 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.00 min
Lab File: VL036528.D
Acq: 27 Mar 2021 00:30

Tot Ion	84	Resp	744789
Ion Ratio	Lower	Upper	
84	100		
49	166.6	122.9	184.3
51	46.4	36.9	55.3
86	64.8	48.2	72.4

Instrument :
MSVOA_L
ClientSampleId :
SS-5-TEACHERS-WORK-RM

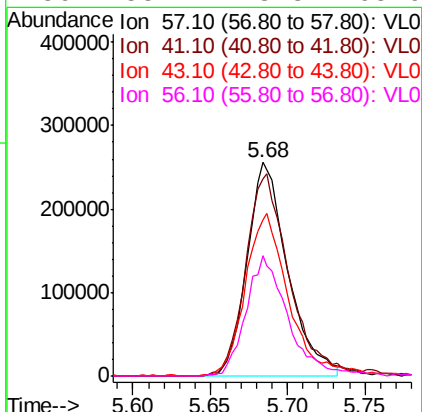
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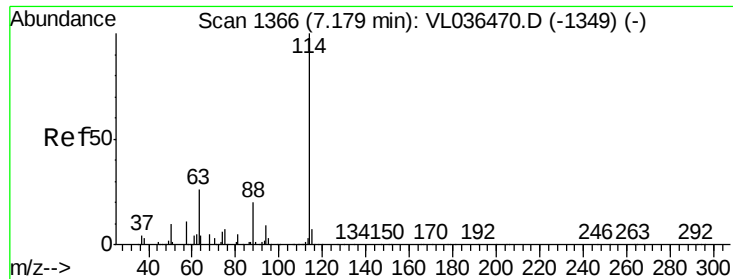
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#26
Hexane
Concen: 3.167 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL036528.D
Acq: 27 Mar 2021 00:30

Tgt Ion	57	Resp	468586
Ion Ratio	Lower	Upper	
57	100		
41	103.2	77.2	115.8
43	82.3	173.8	260.6#
56	58.7	43.8	65.6





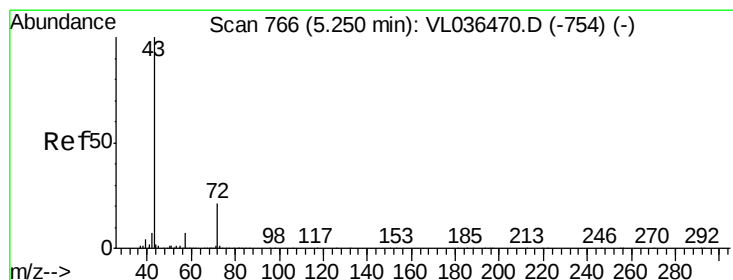
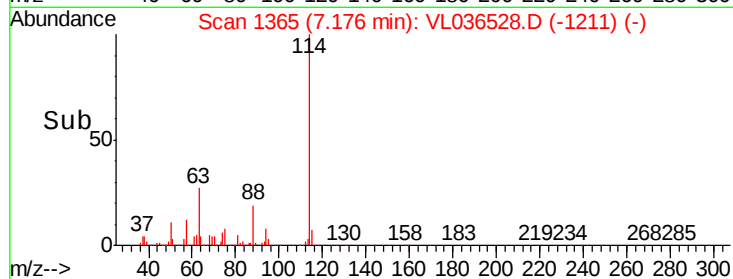
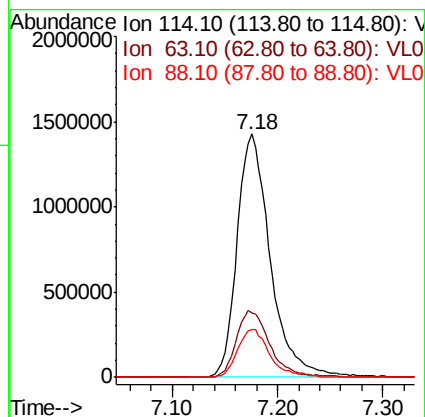
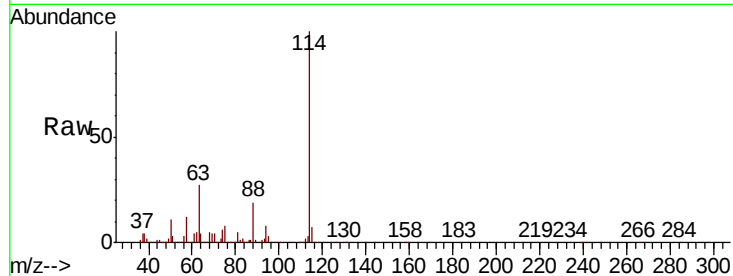
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 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VL036528.D
 Acq: 27 Mar 2021 00:30

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-5-TEACHERS-WORK-RM

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.3	22.4	33.6
88	19.6	15.4	23.0

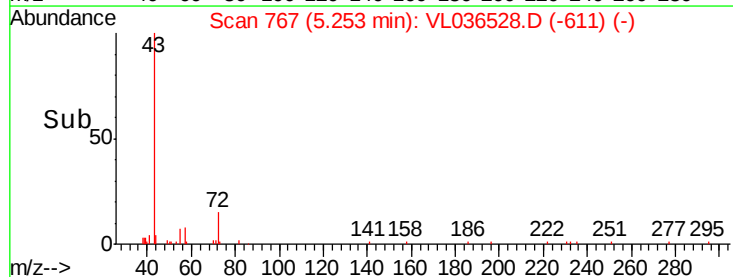
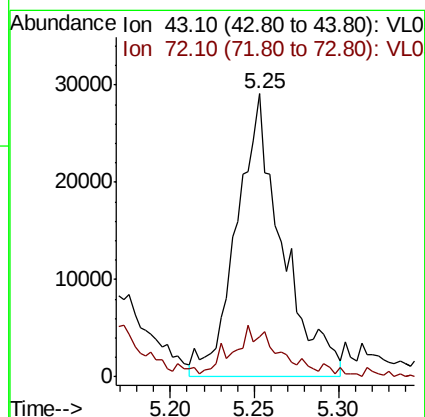
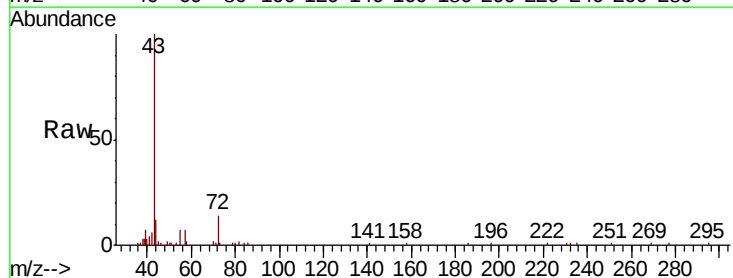
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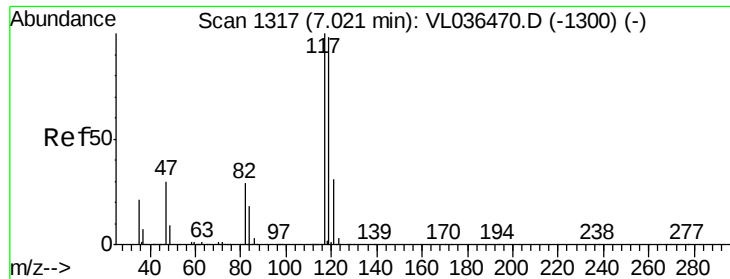
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 3/29/2021 4:39:49 PM



#34
 2-Butanone
 Concen: 0.361 ppbv m
 RT: 5.25 min Scan# 767
 Delta R.T. 0.00 min
 Lab File: VL036528.D
 Acq: 27 Mar 2021 00:30

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.2	17.0	25.6





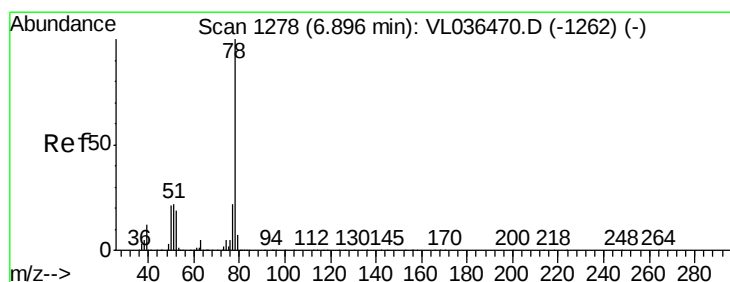
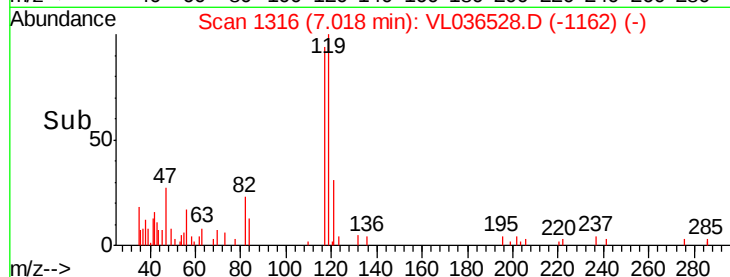
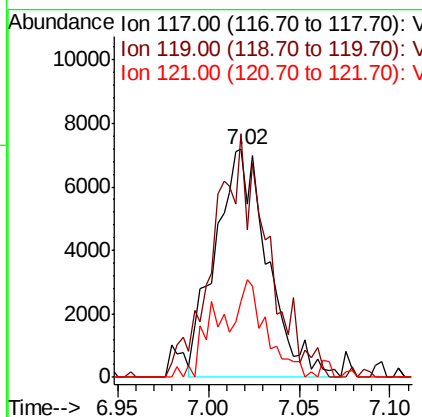
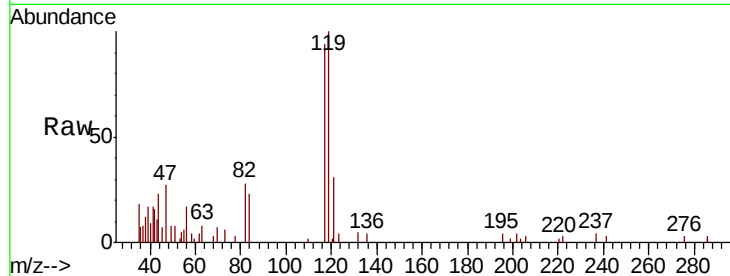
#35
Carbon Tetrachloride
Concen: 0.060 ppbv m
RT: 7.02 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VL036528.D
Acq: 27 Mar 2021 00:30

Instrument :
MSVOA_L
ClientSampleId :
SS-5-TEACHERS-WORK-RM

Tot Ion	Ratio	Lower	Upper
117	100		
119	106.7	78.2	117.2
121	33.4	24.5	36.7

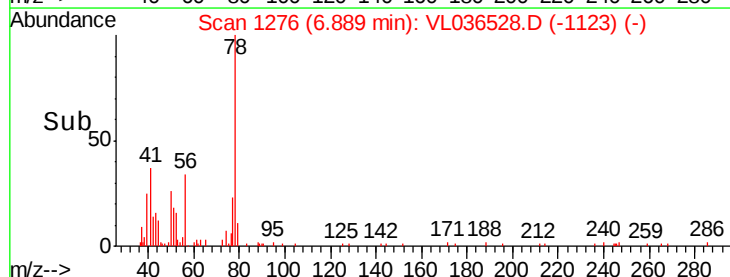
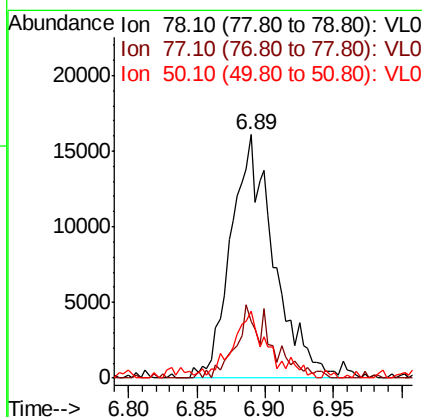
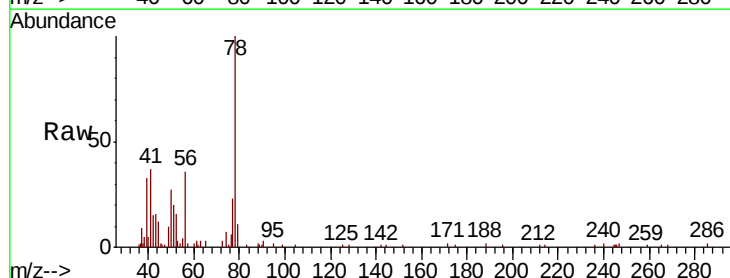
Manual Integrations
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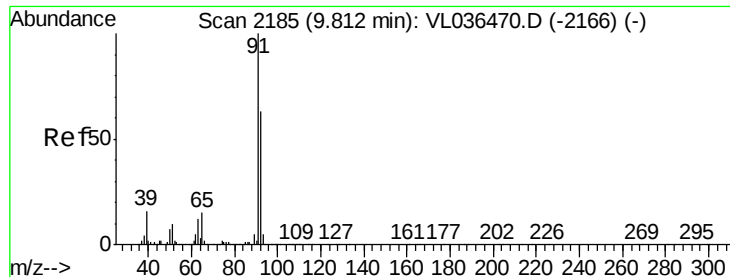
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#36
Benzene
Concen: 0.123 ppbv m
RT: 6.89 min Scan# 1276
Delta R.T. -0.01 min
Lab File: VL036528.D
Acq: 27 Mar 2021 00:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.0	27.0
50	27.4	16.5	24.7#





#53

Toluene

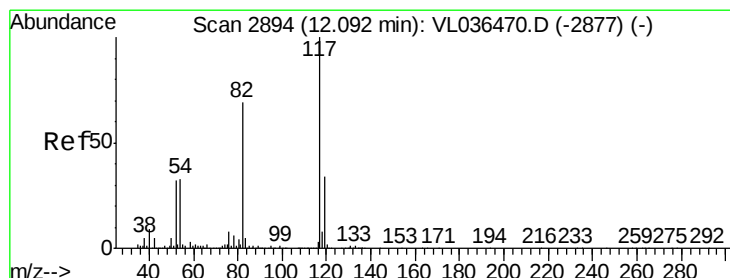
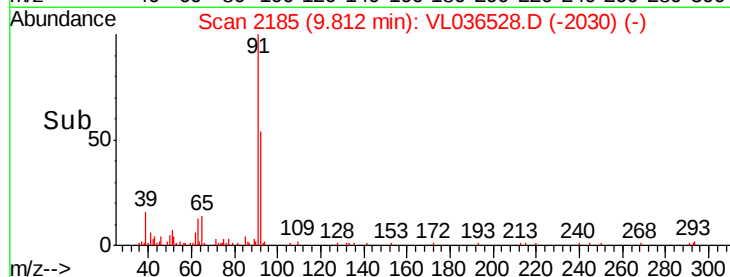
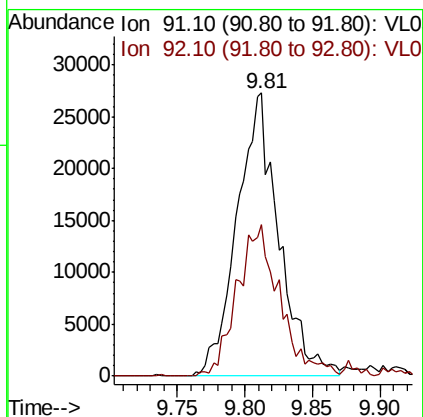
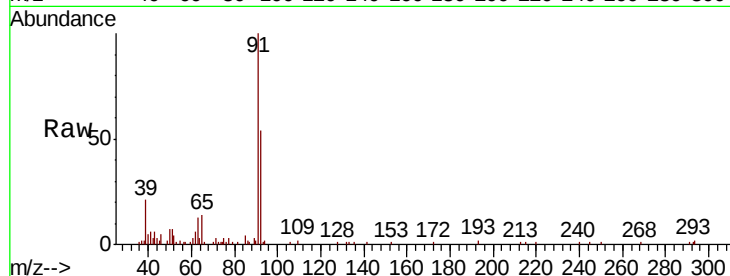
Concen: 0.191 ppbv m
 RT: 9.81 min Scan# 2185
 Delta R.T. -0.00 min
 Lab File: VL036528.D
 Acq: 27 Mar 2021 00:30

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-5-TEACHERS-WORK-RM

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	56.0	48.8	73.2	

Manual Integrations
 APPROVED

MMDadoda
 3/29/2021 4:39:49 PM

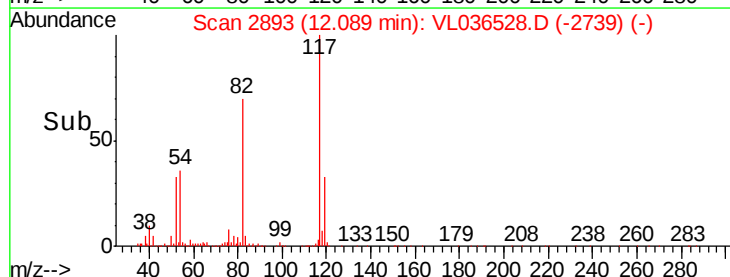
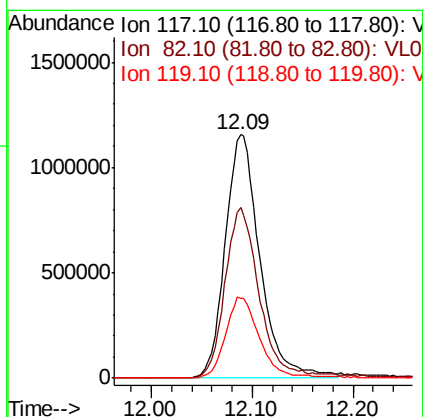
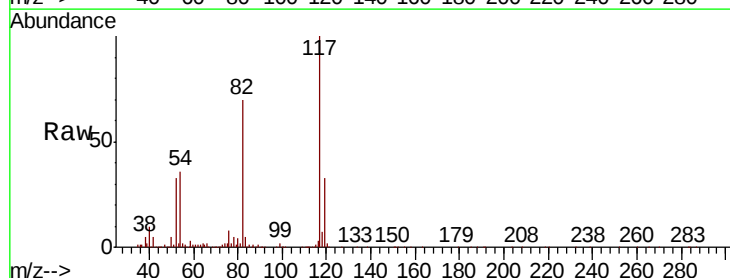


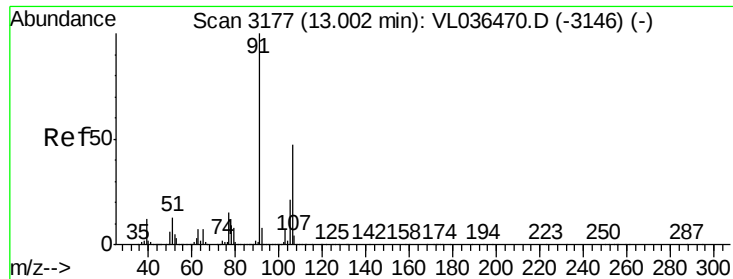
#55

Chlorobenzene-d5

Concen: 10.000 ppbv
 RT: 12.09 min Scan# 2893
 Delta R.T. -0.00 min
 Lab File: VL036528.D
 Acq: 27 Mar 2021 00:30

Tgt Ion	Ion	Ratio	Lower	Upper
117	100			
82	70.7	57.4	86.0	
119	33.4	47.4	71.0	





#59

m/p-Xylene

Concen: 0.193 ppbv m

RT: 12.97 min Scan# 3167

Delta R.T. -0.03 min

Lab File: VL036528.D

Acq: 27 Mar 2021 00:30

Instrument :

MSVOA_L

ClientSampleId :

SS-5-TEACHERS-WORK-RM

Tot Ion: 91 Resp: 67884

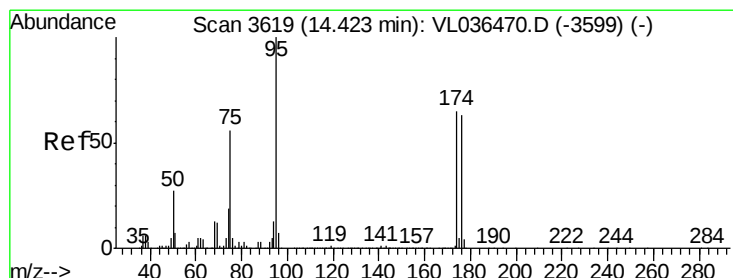
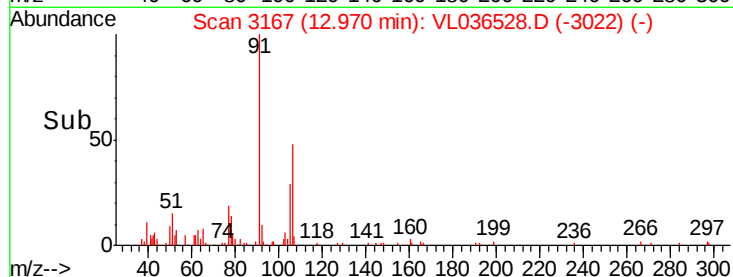
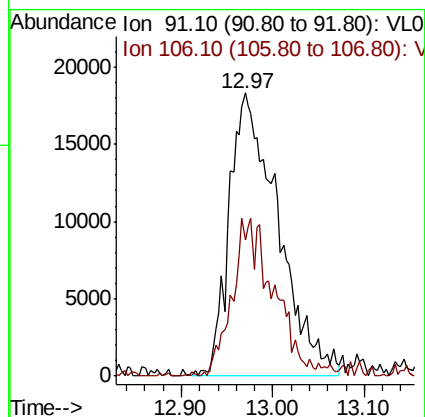
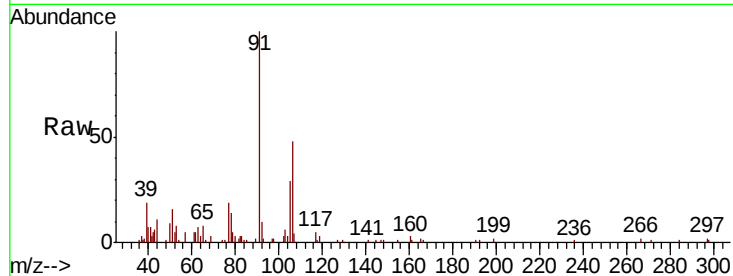
Ion Ratio Lower Upper

91 100

106 0.0 35.3 52.9#

Manual Integrations
APPROVED

MMDadoda
3/29/2021 4:39:49 PM



#68

1-Bromo-4-Fluorobenzene

Concen: 9.938 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. -0.01 min

Lab File: VL036528.D

Acq: 27 Mar 2021 00:30

Tgt Ion: 95 Resp: 2194610

Ion Ratio Lower Upper

95 100

174 64.7 51.0 76.6

175 4.7 3.9 5.9

