

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032921\
 Data File : VL036541.D
 Acq On : 29 Mar 2021 16:05
 Operator : SY/AP
 Sample : M1760-19
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-3-CAFETERIA-RM

Manual Integrations
 APPROVED

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 3/30/2021 7:44:07 PM

Quant Time: Mar 30 11:22:26 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 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	1505157	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3356715	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3021258	10.00	ppbv	-0.01

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.41	95	2343739	9.73	ppbv	-0.01	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	42997m	0.175	ppbv	
3) Chlorodifluoromethane	2.98	51	55330m	0.197	ppbv	
4) Chloromethane	3.13	50	57204m	0.576	ppbv	
9) Propene	3.02	41	28465	0.318	ppbv	93
11) Trichlorofluoromethane	3.94	101	50391	0.201	ppbv	85
13) Ethanol	3.60	45	334335	31.317	ppbv	100
15) Acetone	3.85	43	634068	4.280	ppbv	99
19) Isopropyl Alcohol	3.97	45	996148	12.224	ppbv	99
20) Methylene Chloride	4.34	84	122389	1.765	ppbv	97
26) Hexane	5.68	57	87165	0.533	ppbv #	46
34) 2-Butanone	5.24	43	38248	0.233	ppbv #	79
35) Carbon Tetrachloride	7.01	117	16076m	0.062	ppbv	
52) Tetrachloroethene	11.21	164	7656m	0.067	ppbv	
53) Toluene	9.80	91	36309m	0.110	ppbv	

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

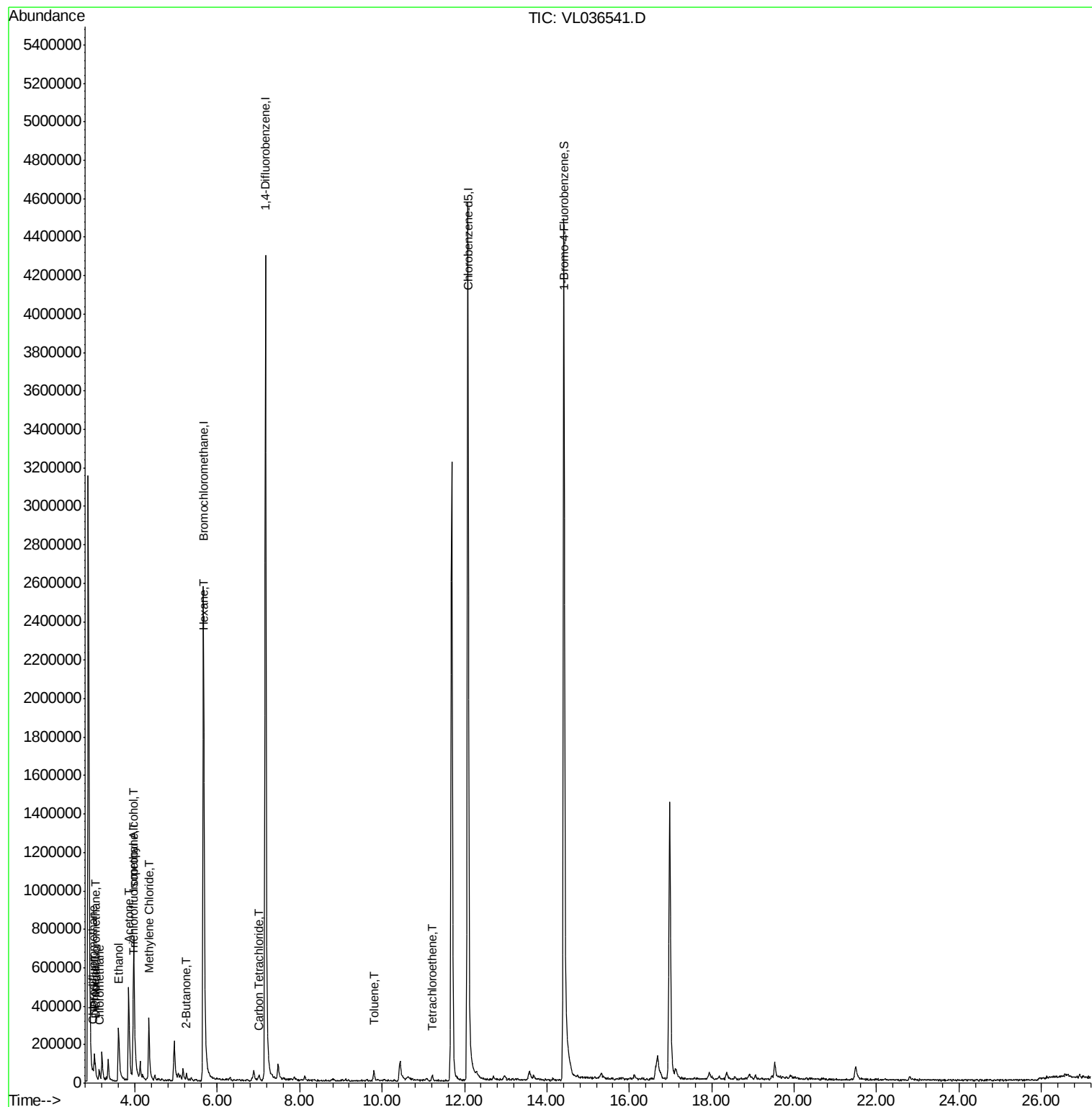
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032921\
Data File : VL036541.D
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Operator : SY/AP
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Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

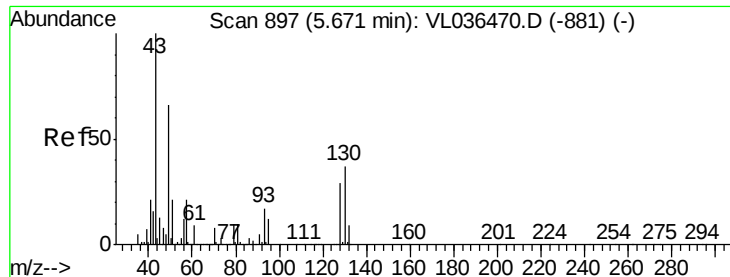
Instrument :
MSVOA_L
ClientSampleId :
SS-3-CAFETERIA-RM

Manual Integrations
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Quant Time: Mar 30 11:22:26 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: 5.66 min Scan# 894

Delta R.T. -0.01 min

Lab File: VL036541.D

Acq: 29 Mar 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

SS-3-CAFETERIA-RM

Tot Ion: 49 Resp: 1505157

Ion Ratio Lower Upper

49 100

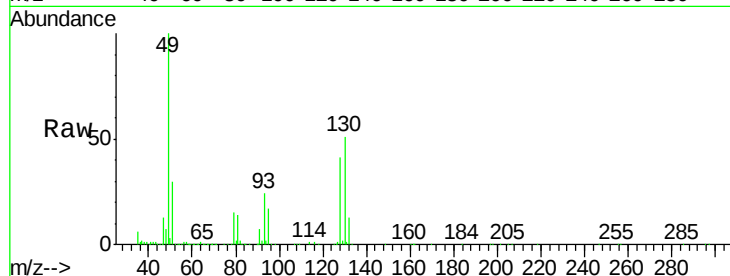
128 43.4 23.5 70.6

130 55.6 29.1 87.4

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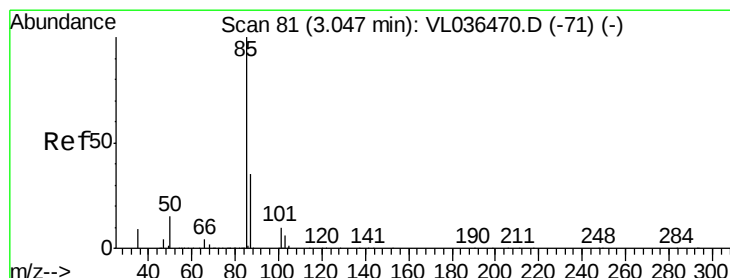
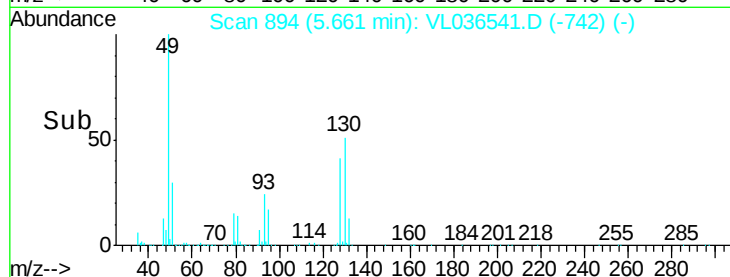
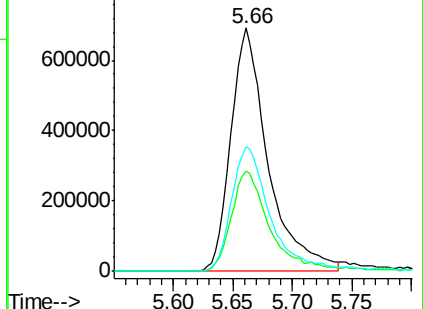
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.175 ppbv m

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL036541.D

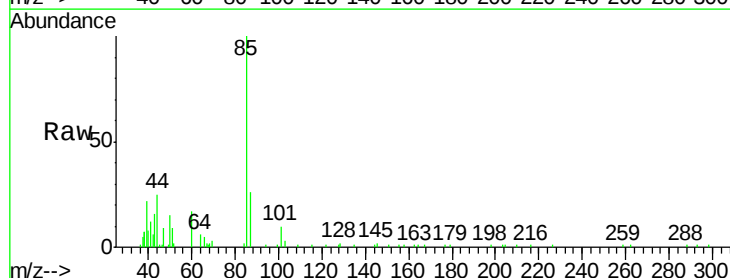
Acq: 29 Mar 2021 16:05

Tgt Ion: 85 Resp: 42997

Ion Ratio Lower Upper

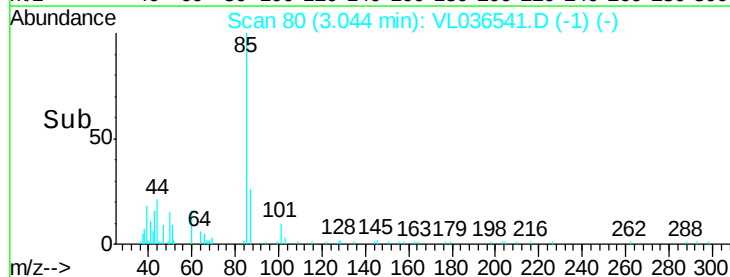
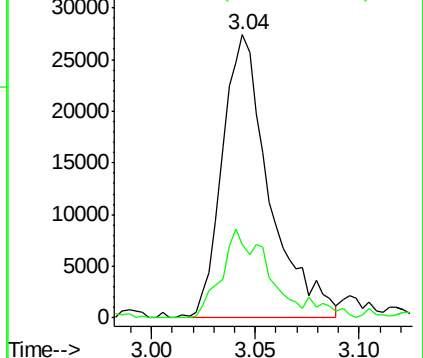
85 100

87 26.0 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: 0.197 ppbv m

RT: 2.98 min Scan# 59

Delta R.T. -0.01 min

Lab File: VL036541.D

Acq: 29 Mar 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

SS-3-CAFETERIA-RM

Tot Ion: 51 Resp: 55330

Ion Ratio Lower Upper

51 100

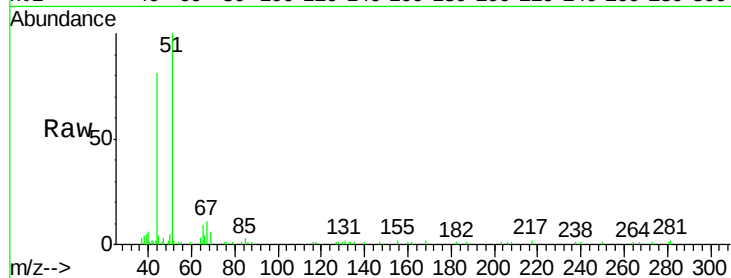
67 16.0 14.7 22.1

Manual Integrations

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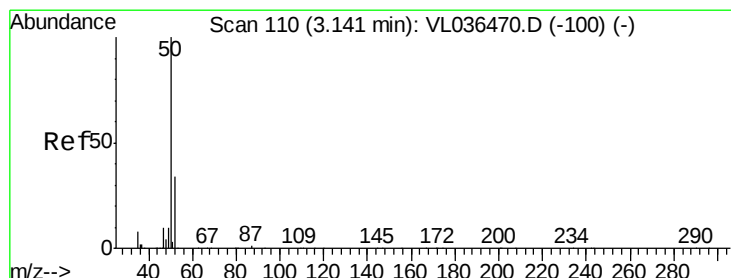
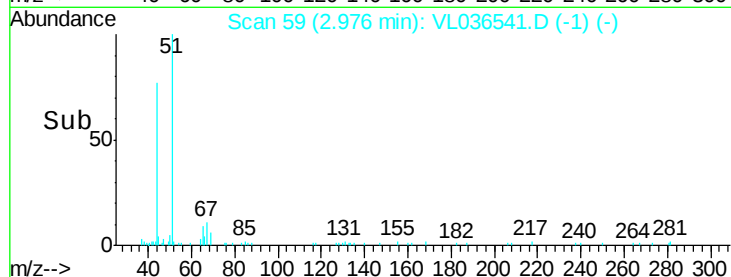
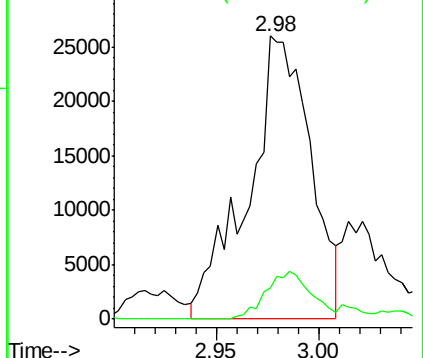
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.576 ppbv m

RT: 3.13 min Scan# 108

Delta R.T. -0.01 min

Lab File: VL036541.D

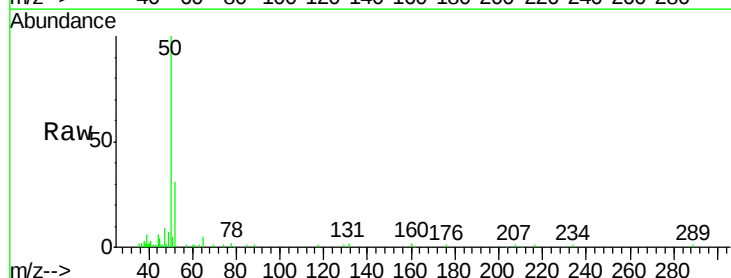
Acq: 29 Mar 2021 16:05

Tgt Ion: 50 Resp: 57204

Ion Ratio Lower Upper

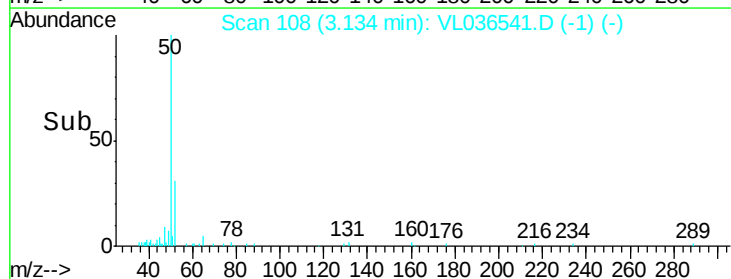
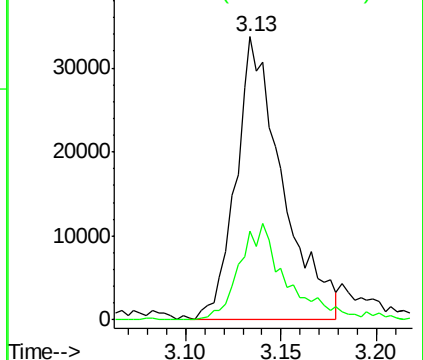
50 100

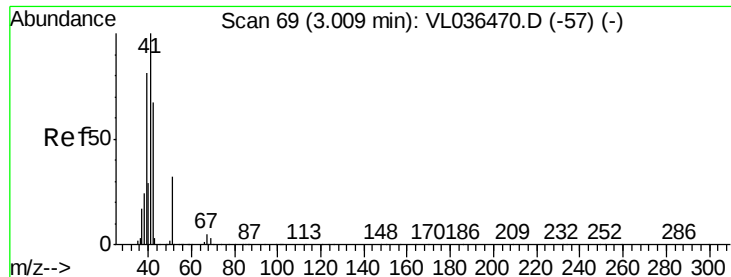
52 31.4 27.0 40.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.318 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL036541.D

Acq: 29 Mar 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

SS-3-CAFETERIA-RM

Tot Ion: 41 Resp: 28465

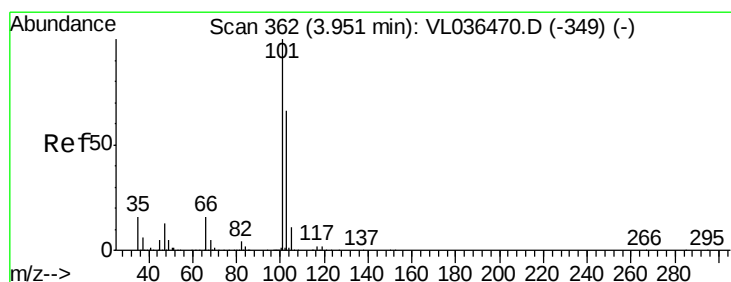
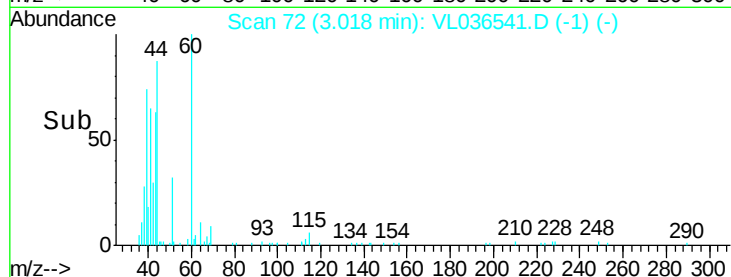
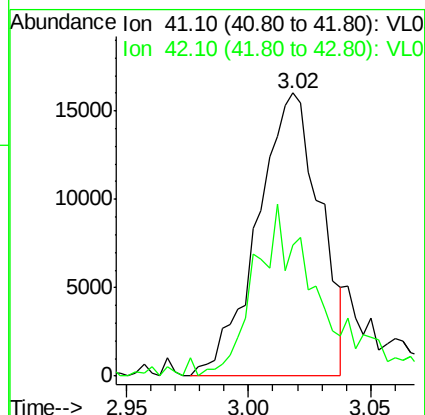
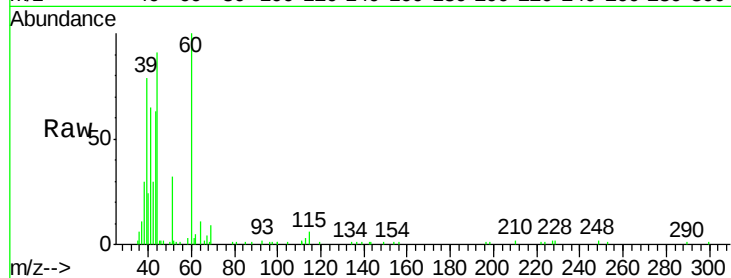
Ion Ratio Lower Upper

41 100

42 65.1 57.0 85.4

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#11

Trichlorofluoromethane

Concen: 0.201 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.01 min

Lab File: VL036541.D

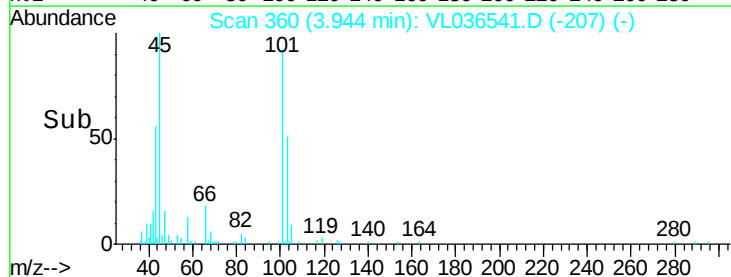
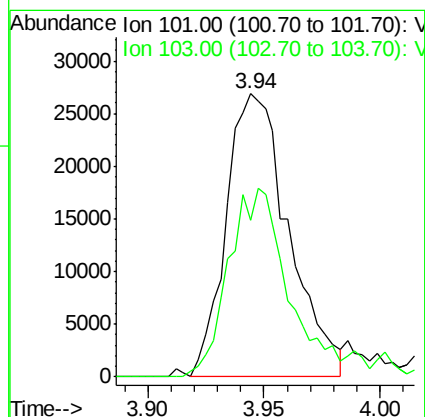
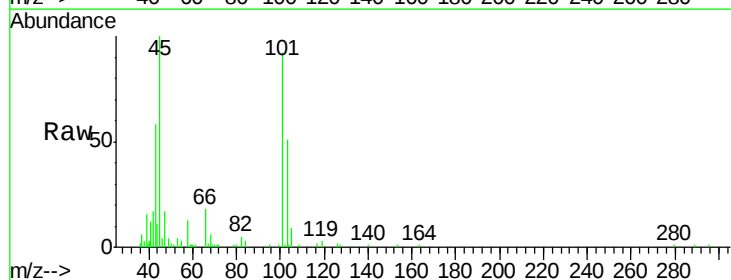
Acq: 29 Mar 2021 16:05

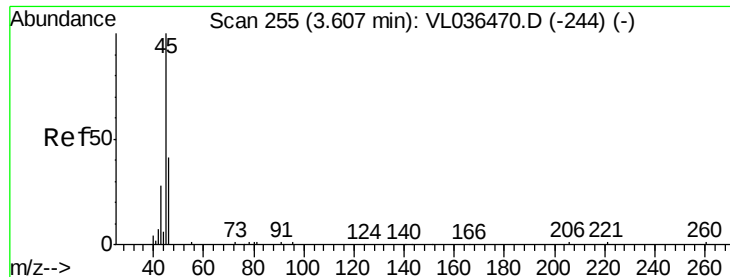
Tgt Ion: 101 Resp: 50391

Ion Ratio Lower Upper

101 100

103 53.6 52.5 78.7





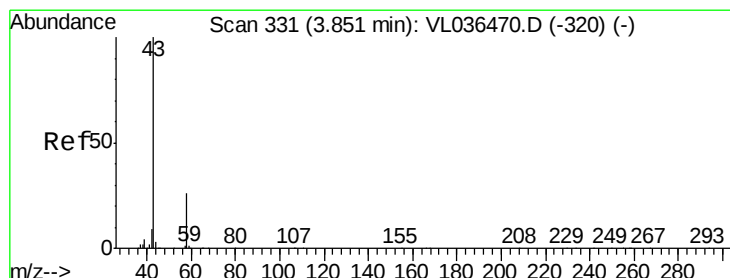
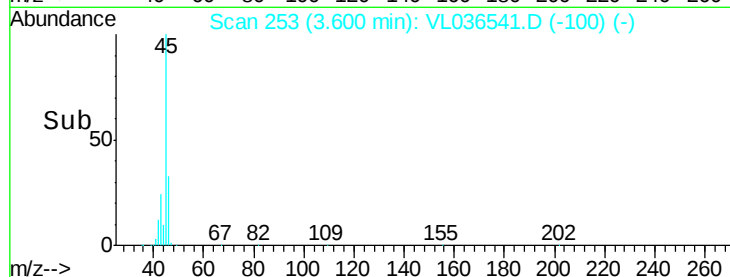
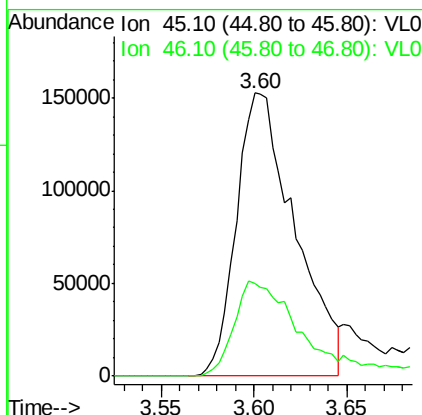
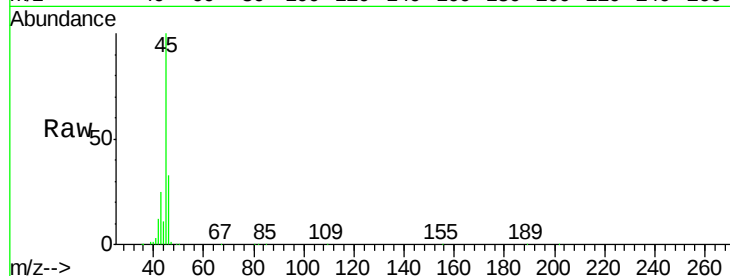
#13
Ethanol
Concen: 31.317 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.01 min
Lab File: VL036541.D
Acq: 29 Mar 2021 16:05

Instrument :
MSVOA_L
ClientSampleId :
SS-3-CAFETERIA-RM

Tot Ion	45	46	Ratio	Lower	Upper
45	100				
46	41.6		16.6	66.2	

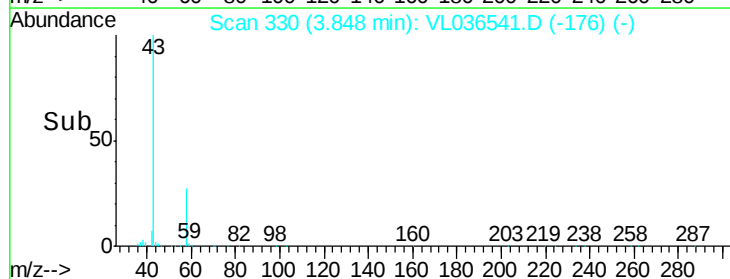
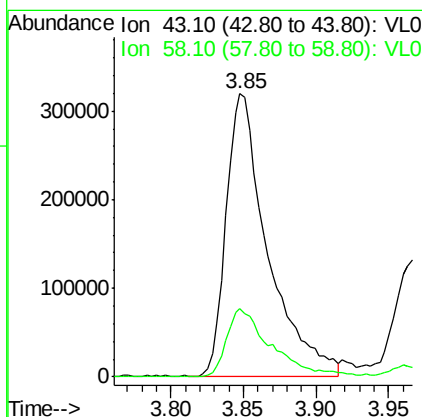
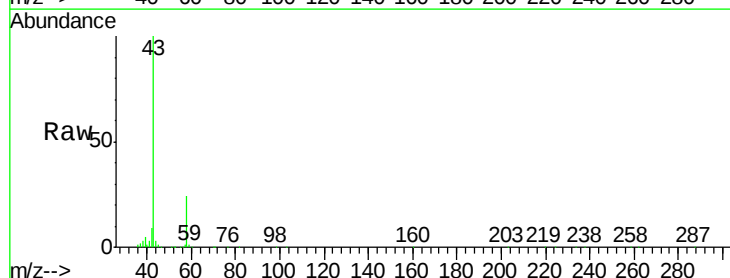
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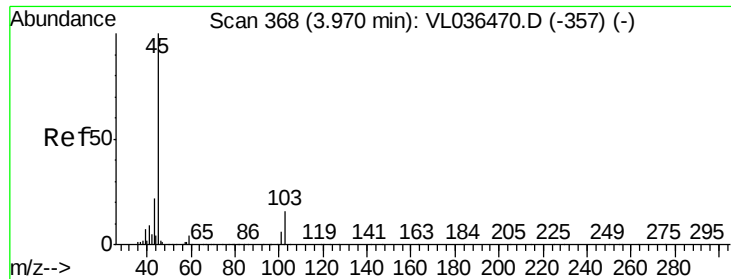
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#15
Acetone
Concen: 4.280 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL036541.D
Acq: 29 Mar 2021 16:05

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





#19

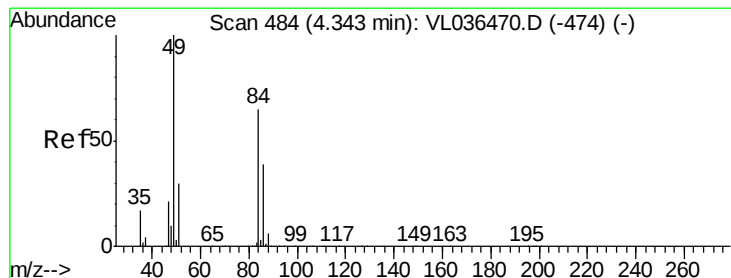
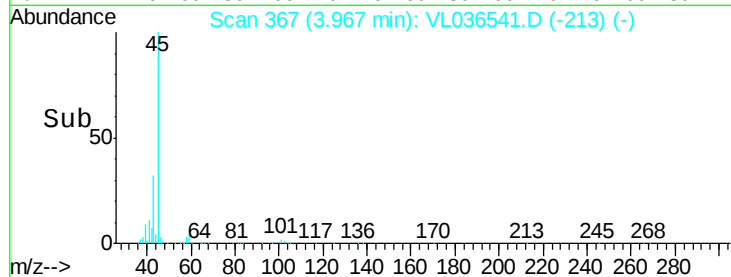
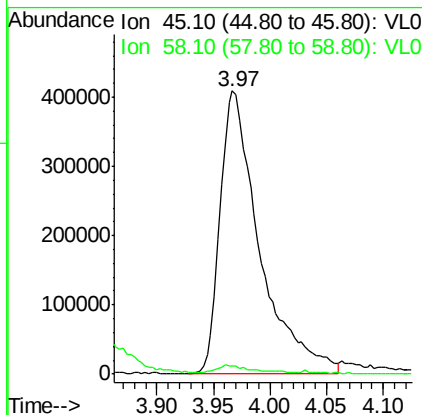
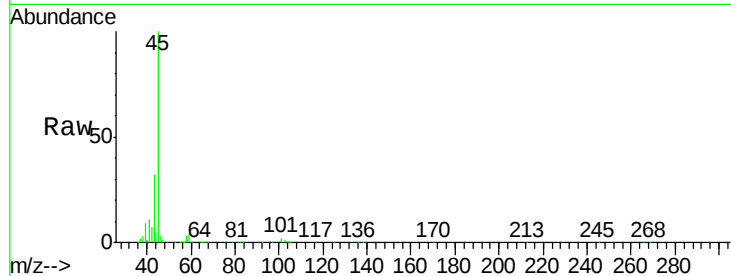
Isopropyl Alcohol
 Concen: 12.224 ppbv
 RT: 3.97 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: VL036541.D
 Acq: 29 Mar 2021 16:05

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-3-CAFETERIA-RM

Tot Ion	Ratio	Lower	Upper
45	100		
58	3.2	2.9	4.3

Manual Integrations
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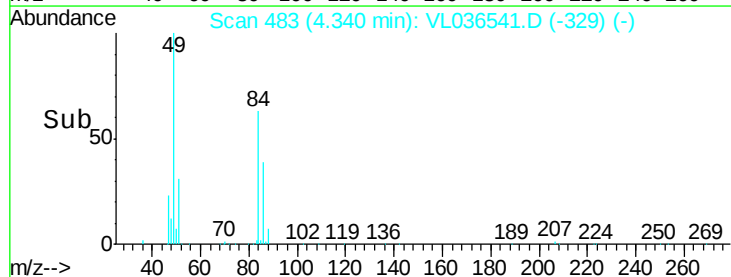
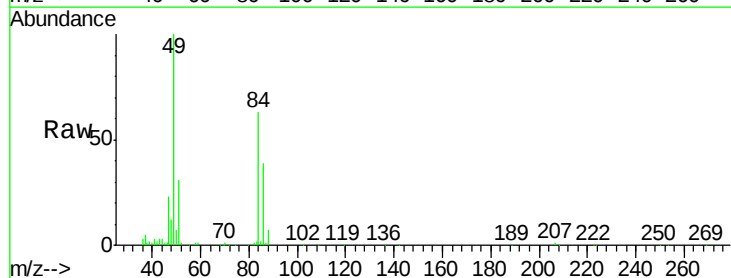
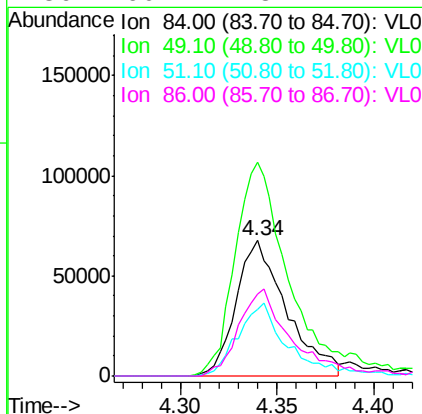
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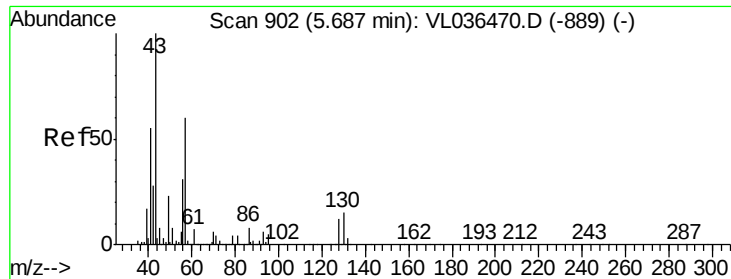


#20

Methylene Chloride
 Concen: 1.765 ppbv
 RT: 4.34 min Scan# 483
 Delta R.T. -0.00 min
 Lab File: VL036541.D
 Acq: 29 Mar 2021 16:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	157.6	122.9	184.3
51	48.9	36.9	55.3
86	60.7	48.2	72.4





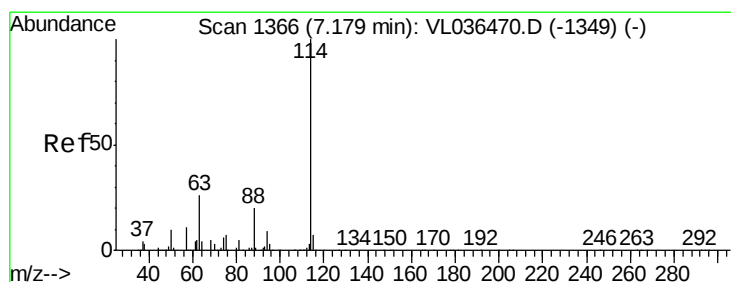
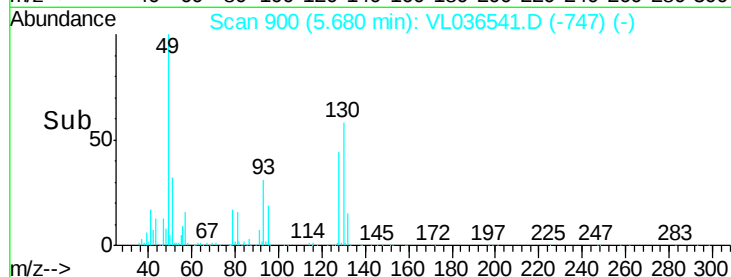
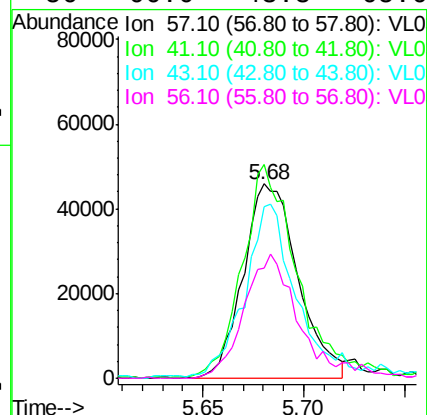
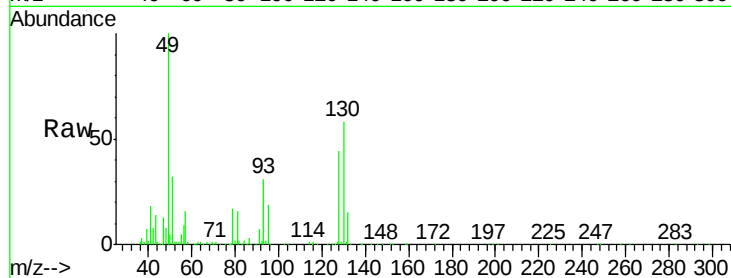
#26
Hexane
Concen: 0.533 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL036541.D
Acq: 29 Mar 2021 16:05

Instrument :
MSVOA_L
ClientSampleId :
SS-3-CAFETERIA-RM

Tot Ion	Ratio	Lower	Upper
57	100		
41	115.2	77.2	115.8
43	91.3	173.8	260.6#
56	66.0	43.8	65.6#

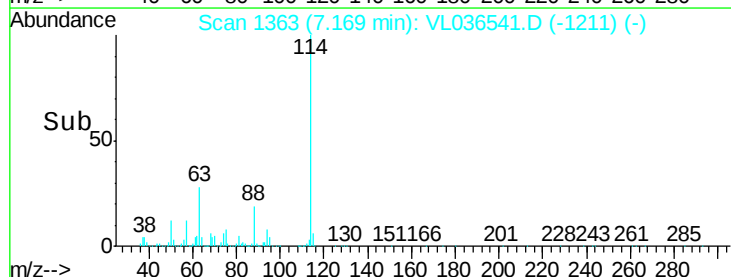
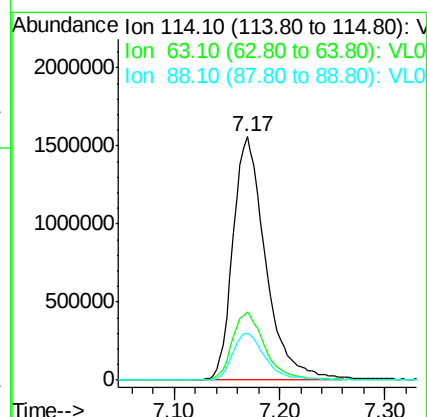
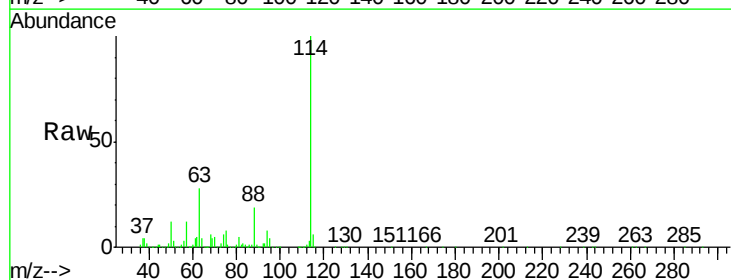
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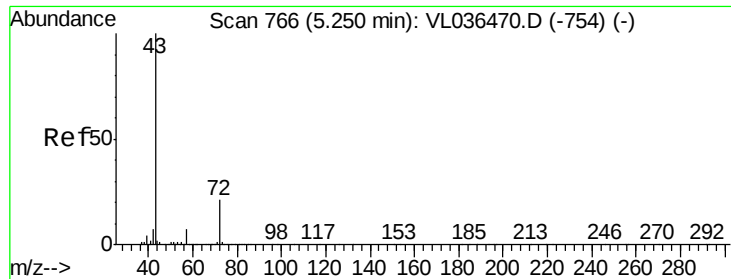
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL036541.D
Acq: 29 Mar 2021 16:05

Tgt Ion	Ratio	Lower	Upper
114	100		
63	28.4	22.4	33.6
88	19.4	15.4	23.0





#34

2-Butanone

Concen: 0.233 ppbv

RT: 5.24 min Scan# 764

Delta R.T. -0.01 min

Lab File: VL036541.D

Acq: 29 Mar 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

SS-3-CAFETERIA-RM

Tot Ion: 43 Resp: 38248

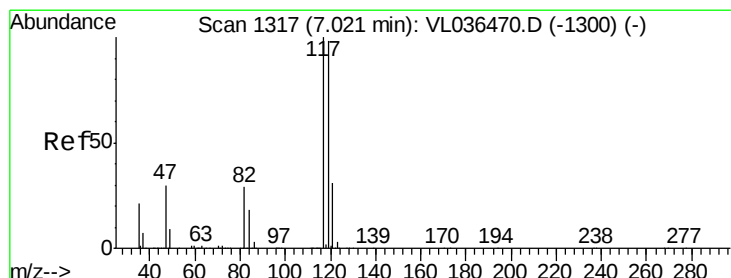
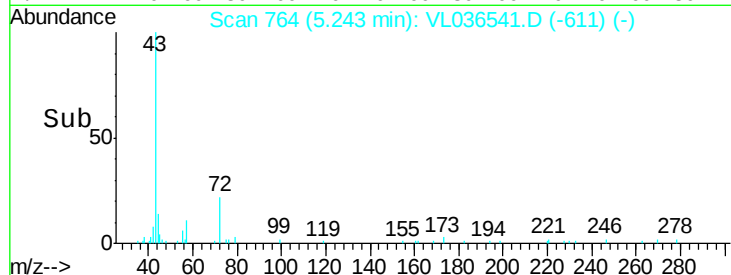
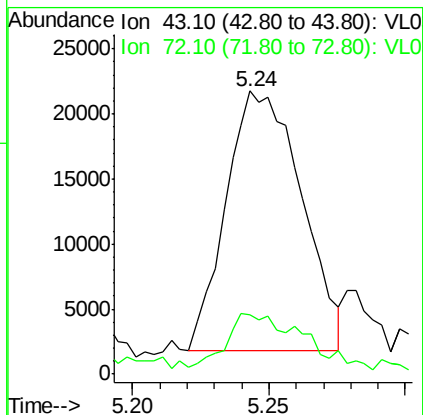
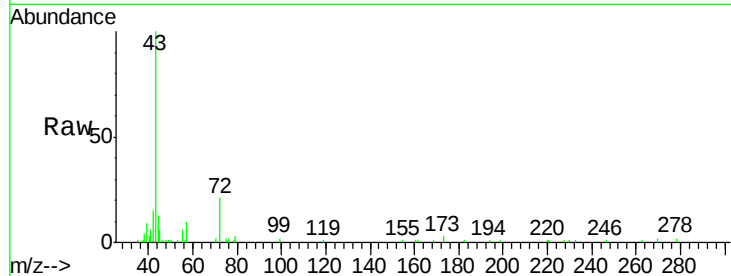
Ion Ratio Lower Upper

43 100

72 31.0 17.0 25.6#

Manual Integrations
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#35

Carbon Tetrachloride

Concen: 0.062 ppbv m

RT: 7.01 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VL036541.D

Acq: 29 Mar 2021 16:05

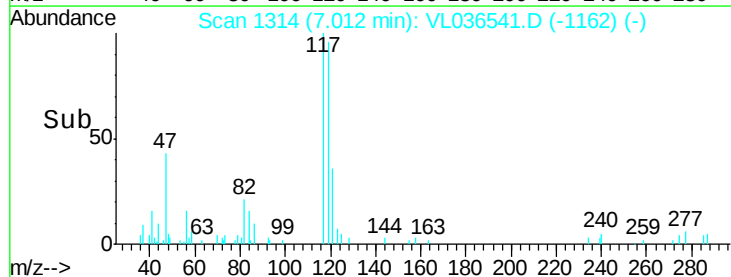
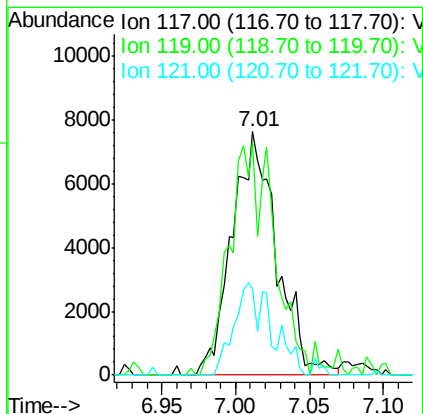
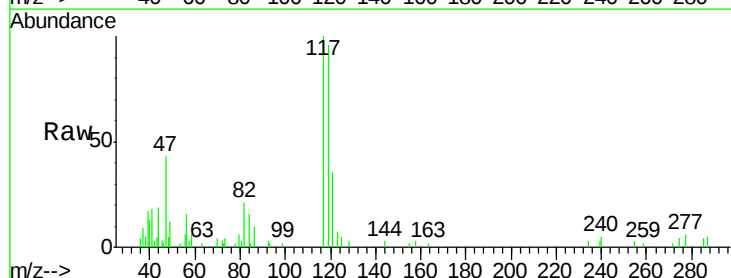
Tgt Ion: 117 Resp: 16076

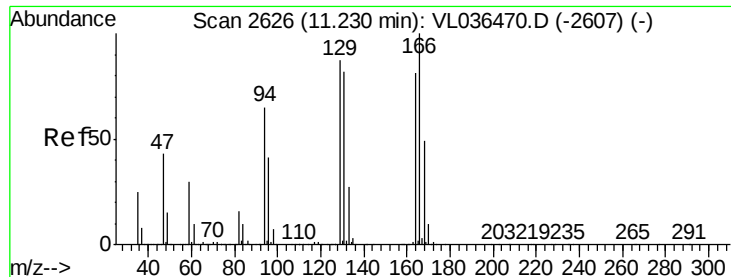
Ion Ratio Lower Upper

117 100

119 95.9 78.2 117.2

121 35.5 24.5 36.7





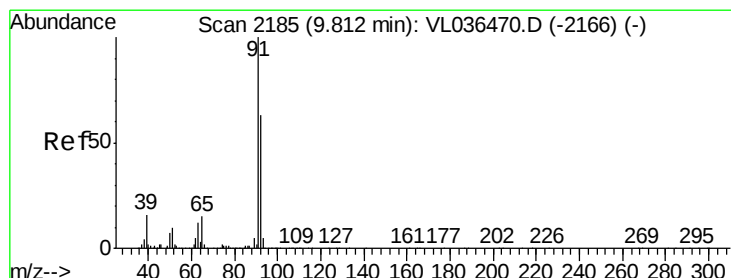
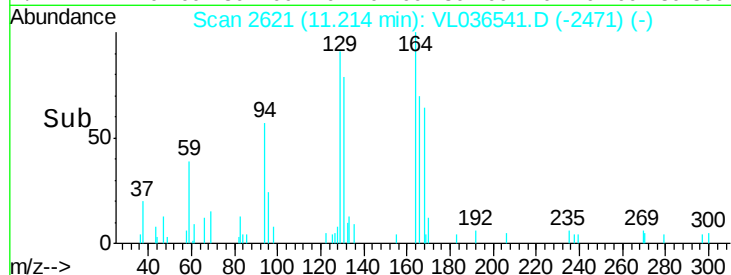
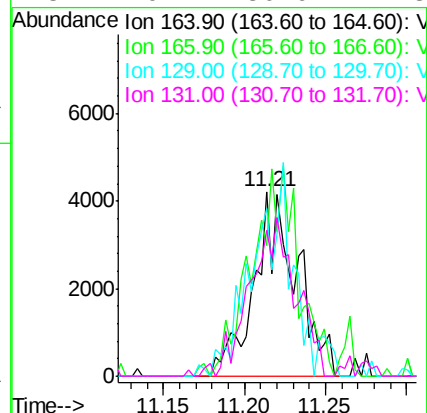
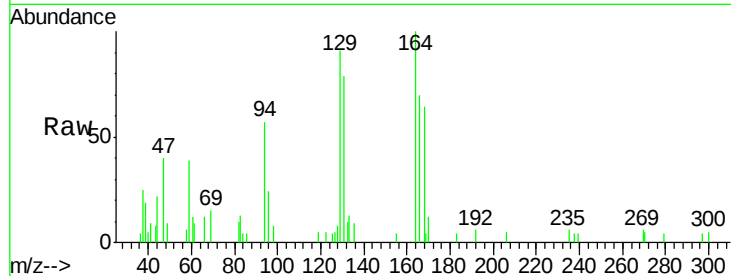
#52
Tetrachloroethene
Concen: 0.067 ppbv m
RT: 11.21 min Scan# 2621
Delta R.T. -0.02 min
Lab File: VL036541.D
Acq: 29 Mar 2021 16:05

Instrument :
MSVOA_L
ClientSampleId :
SS-3-CAFETERIA-RM

Tot Ion	Ratio	Lower	Upper
164	100		
166	70.5	98.3	147.5#
129	90.7	85.8	128.8
131	79.2	80.9	121.3#

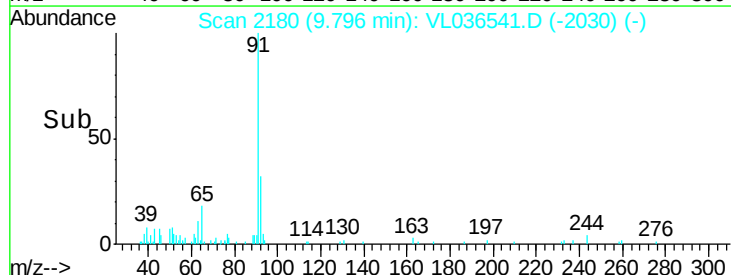
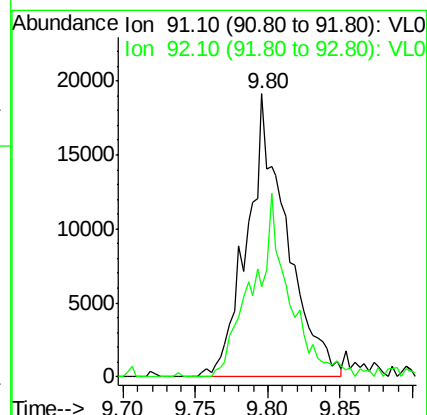
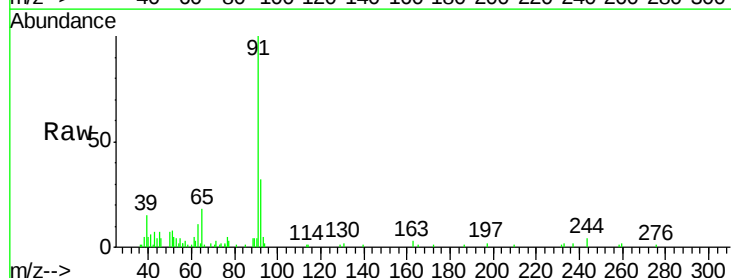
Manual Integrations
APPROVED

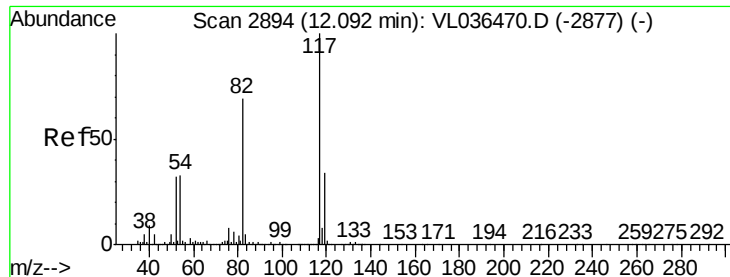
MMDadoda
3/30/2021 7:44:07 PM



#53
Toluene
Concen: 0.110 ppbv m
RT: 9.80 min Scan# 2180
Delta R.T. -0.02 min
Lab File: VL036541.D
Acq: 29 Mar 2021 16:05

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.8	73.2#





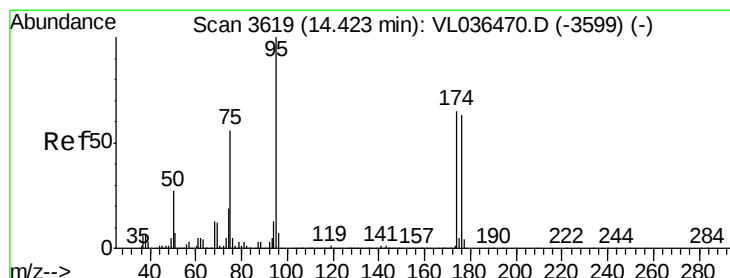
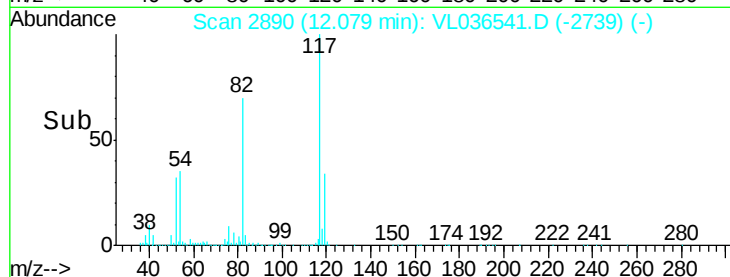
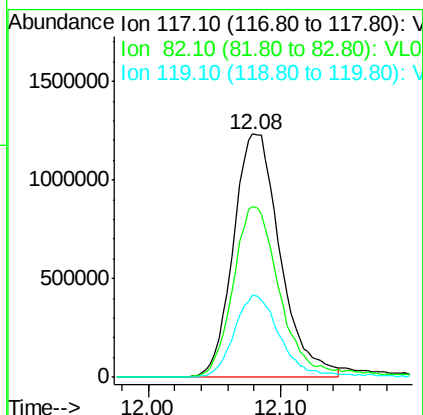
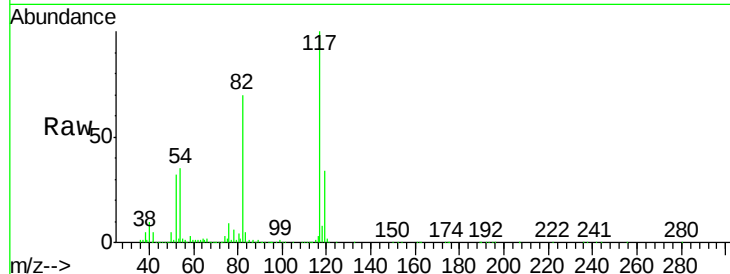
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL036541.D
Acq: 29 Mar 2021 16:05

Instrument :
MSVOA_L
ClientSampleId :
SS-3-CAFETERIA-RM

Tot Ion: 117 Resp: 3021258
Ion Ratio Lower Upper
117 100
82 72.9 57.4 86.0
119 34.5 47.4 71.0#

Manual Integrations
APPROVED

MMDadoda
3/30/2021 7:44:07 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 9.733 ppbv
RT: 14.41 min Scan# 3615
Delta R.T. -0.01 min
Lab File: VL036541.D
Acq: 29 Mar 2021 16:05

Tgt Ion: 95 Resp: 2343739
Ion Ratio Lower Upper
95 100
174 66.8 51.0 76.6
175 5.0 3.9 5.9

