

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032921\
 Data File : VL036540.D
 Acq On : 29 Mar 2021 15:23
 Operator : SY/AP
 Sample : M1760-02DUP
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IAS-3-CAFETERIADUP

Manual Integrations
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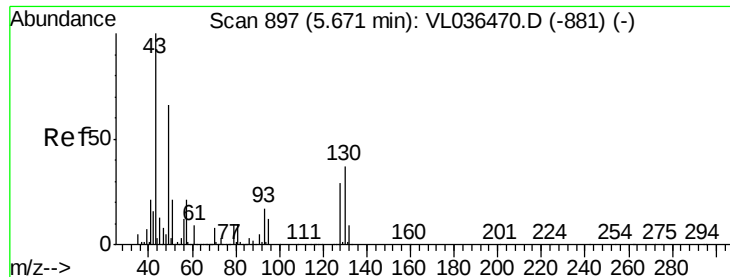
Quant Time: Mar 30 11:20:24 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1466806	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3324214	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2893326	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2281125	9.89	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	43245m	0.181	ppbv	
3) Chlorodifluoromethane	2.98	51	95231m	0.347	ppbv	
4) Chloromethane	3.14	50	45602	0.471	ppbv	91
9) Propene	3.02	41	56288	0.644	ppbv	83
11) Trichlorofluoromethane	3.94	101	49890	0.205	ppbv	84
13) Ethanol	3.61	45	702432	67.516	ppbv	95
15) Acetone	3.85	43	926411	6.417	ppbv	97
19) Isopropyl Alcohol	3.97	45	324881	4.091	ppbv #	95
20) Methylene Chloride	4.34	84	893631	13.221	ppbv	98
26) Hexane	5.68	57	1580526	9.923	ppbv #	47
34) 2-Butanone	5.25	43	53797	0.332	ppbv #	89
35) Carbon Tetrachloride	7.01	117	17462m	0.068	ppbv	
36) Benzene	6.89	78	59266m	0.193	ppbv	
53) Toluene	9.80	91	710484	2.176	ppbv	99
59) m/p-Xylene	12.96	91	62301m	0.170	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.01 min

Lab File: VL036540.D

Acq: 29 Mar 2021 15:23

Instrument :

MSVOA_L

ClientSampleId :

IAS-3-CAFETERIADUP

Tot Ion: 49 Resp: 1466806

Ion Ratio Lower Upper

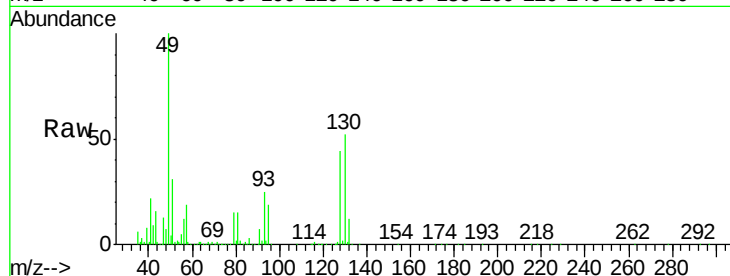
49 100

128 43.5 23.5 70.6

130 55.3 29.1 87.4

Manual Integrations
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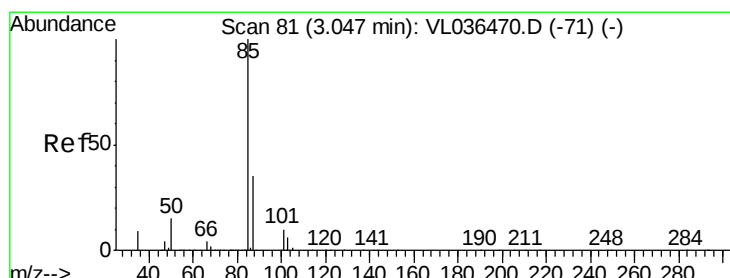
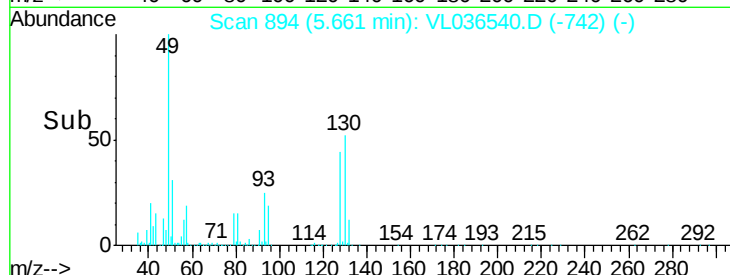
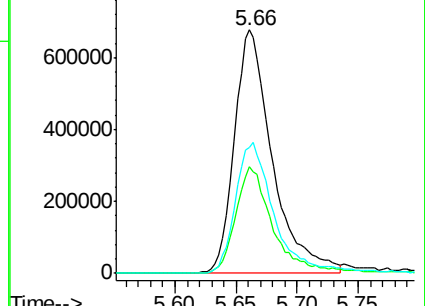
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.181 ppbv m

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL036540.D

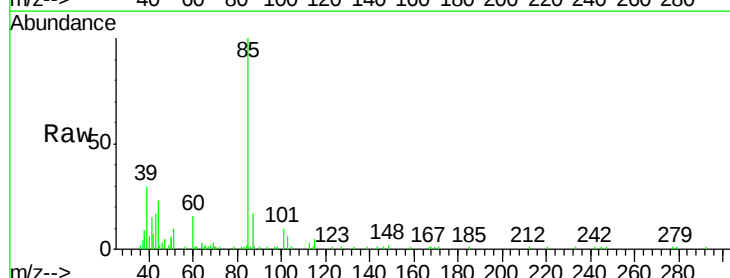
Acq: 29 Mar 2021 15:23

Tgt Ion: 85 Resp: 43245

Ion Ratio Lower Upper

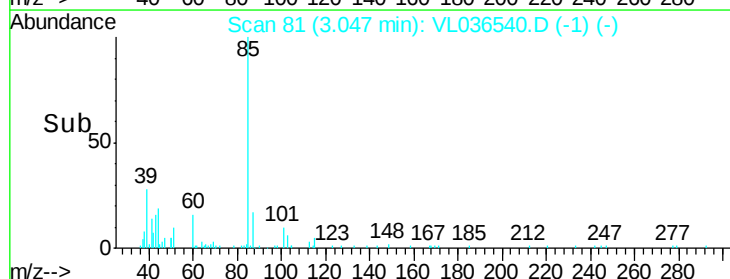
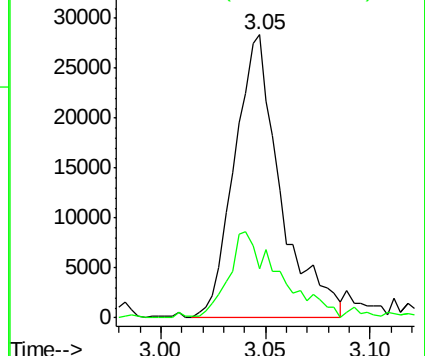
85 100

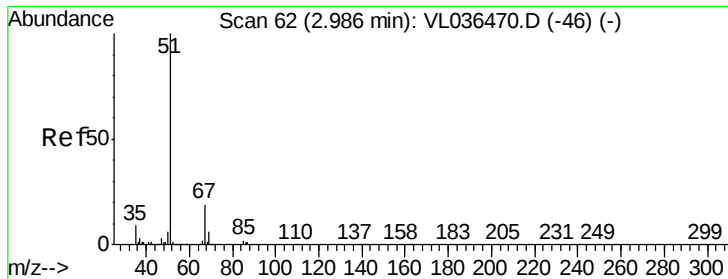
87 17.4 27.8 41.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





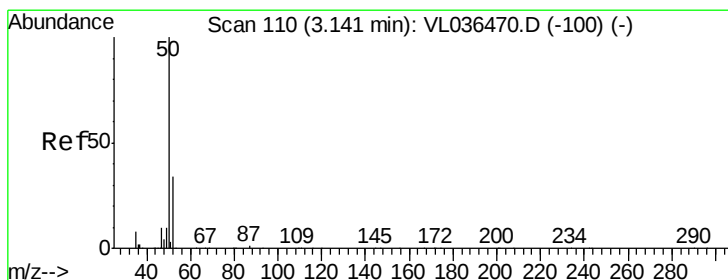
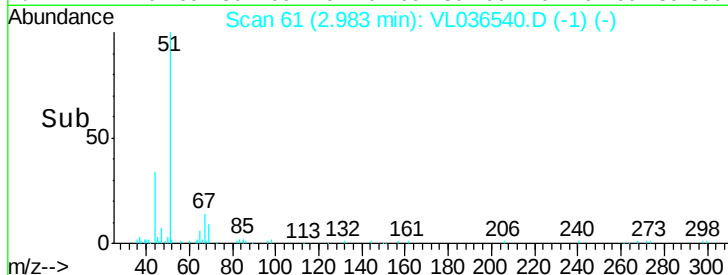
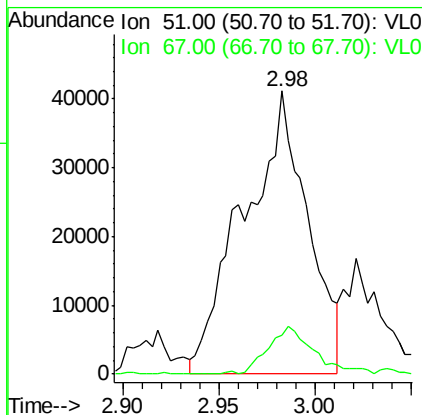
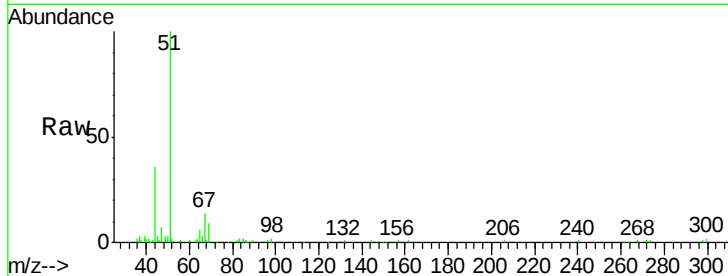
#3
Chlorodifluoromethane
Concen: 0.347 ppbv
RT: 2.98 min Scan# 61
Delta R.T. -0.00 min
Lab File: VL036540.D
Acq: 29 Mar 2021 15:23

Instrument :
MSVOA_L
ClientSampleId :
IAS-3-CAFETERIADUP

Tot Ion: 51 Resp: 95231
Ion Ratio Lower Upper
51 100
67 0.8 14.7 22.1#

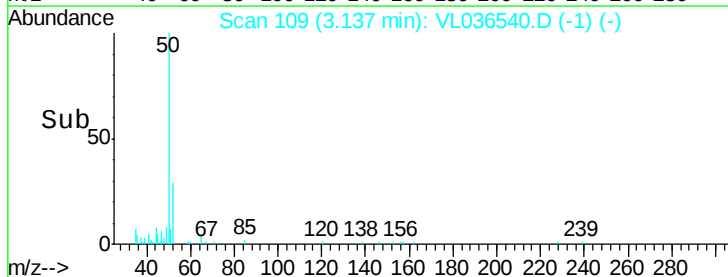
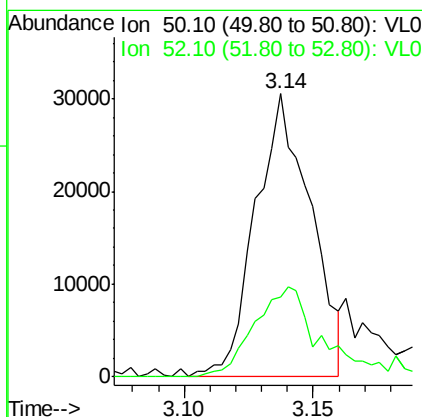
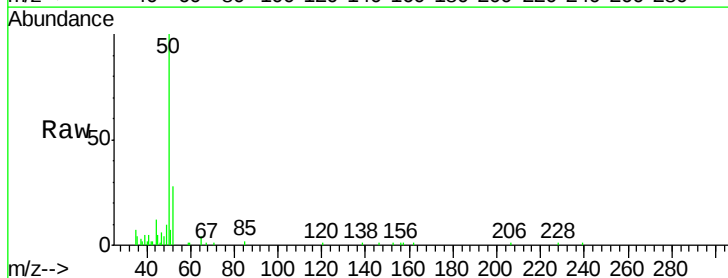
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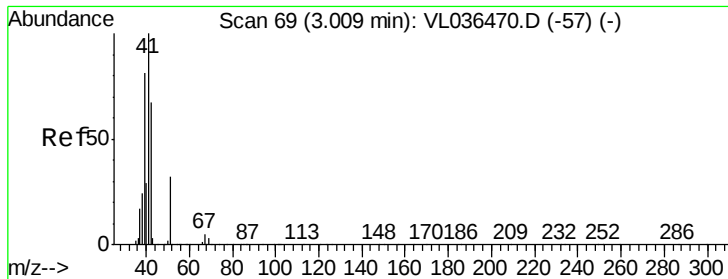
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#4
Chloromethane
Concen: 0.471 ppbv
RT: 3.14 min Scan# 109
Delta R.T. -0.00 min
Lab File: VL036540.D
Acq: 29 Mar 2021 15:23

Tgt Ion: 50 Resp: 45602
Ion Ratio Lower Upper
50 100
52 28.4 27.0 40.6





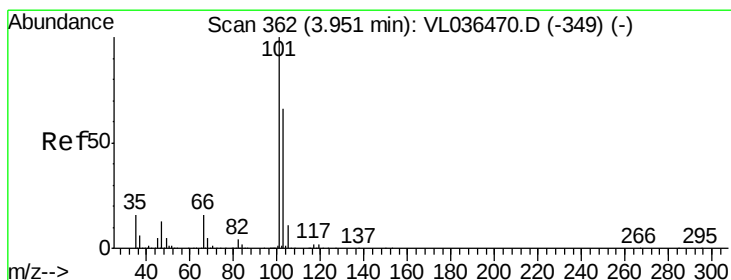
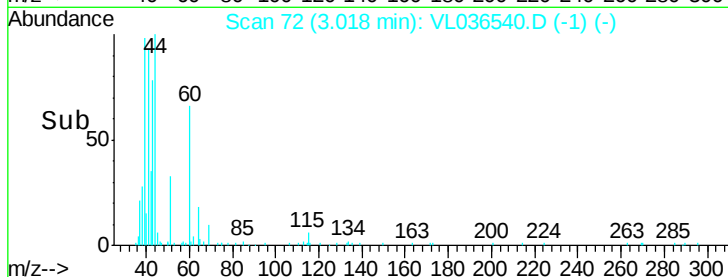
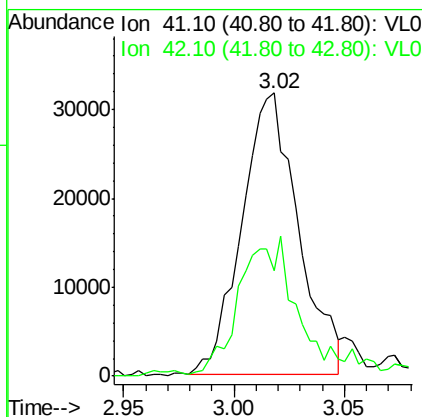
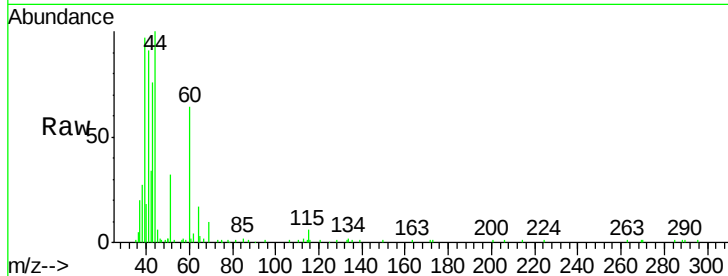
#9
 Propene
 Concen: 0.644 ppbv
 RT: 3.02 min Scan# 72
 Delta R.T. 0.01 min
 Lab File: VL036540.D
 Acq: 29 Mar 2021 15:23

Instrument :
 MSVOA_L
 ClientSampleId :
 IAS-3-CAFETERIADUP

Tot Ion: 41 Resp: 56288
 Ion Ratio Lower Upper
 41 100
 42 57.3 57.0 85.4

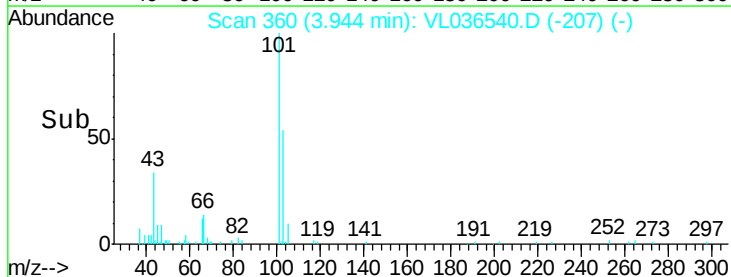
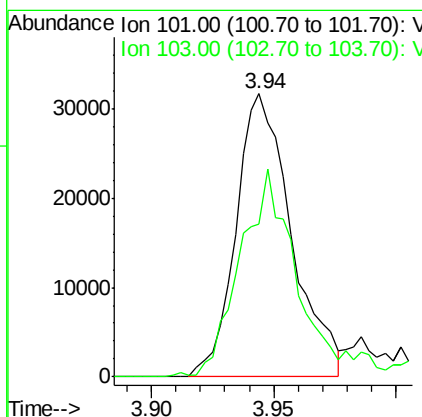
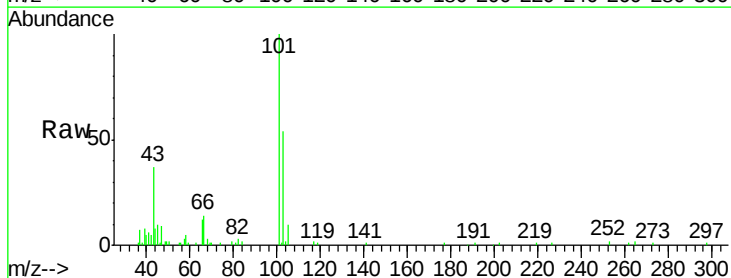
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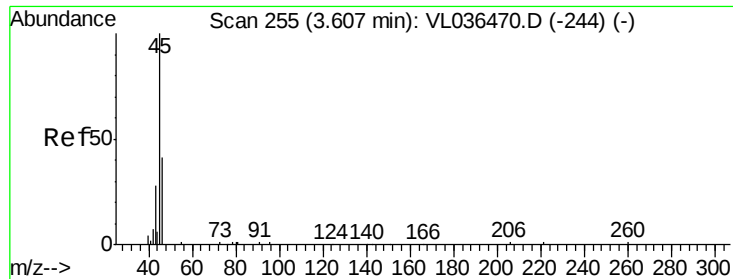
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#11
 Trichlorofluoromethane
 Concen: 0.205 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. -0.01 min
 Lab File: VL036540.D
 Acq: 29 Mar 2021 15:23

Tgt Ion: 101 Resp: 49890
 Ion Ratio Lower Upper
 101 100
 103 53.1 52.5 78.7





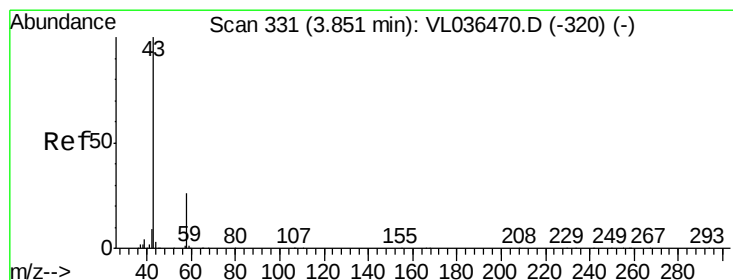
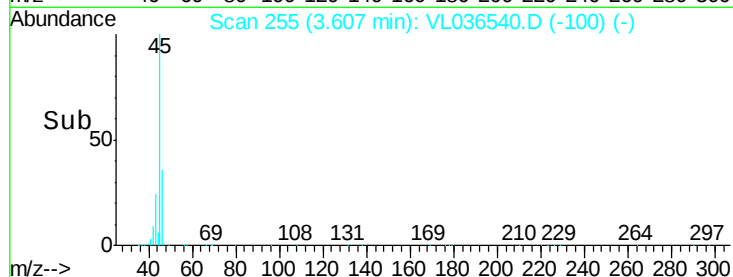
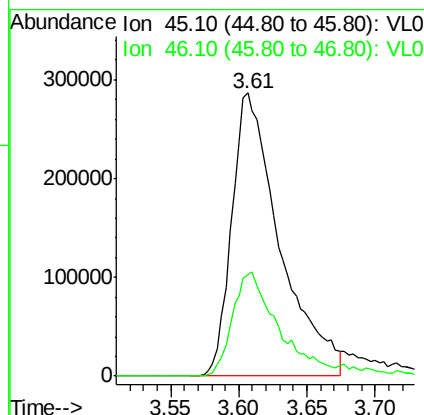
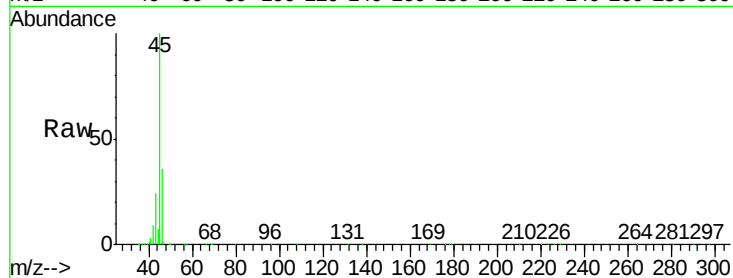
#13
Ethanol
Concen: 67.516 ppbv
RT: 3.61 min Scan# 255
Delta R.T. -0.00 min
Lab File: VL036540.D
Acq: 29 Mar 2021 15:23

Instrument :
MSVOA_L
ClientSampleId :
IAS-3-CAFETERIADUP

Tot Ion	45	46	Ratio	Lower	Upper
Resp: 702432	100	38.1		16.6	66.2

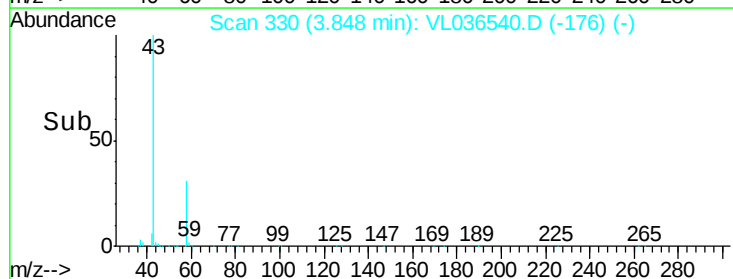
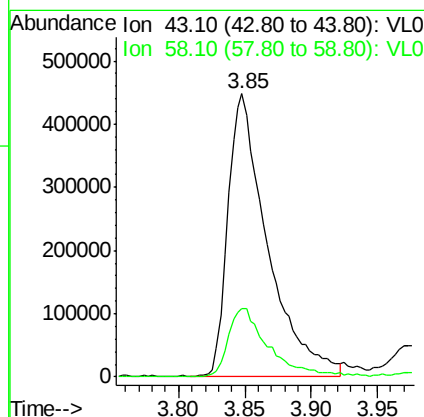
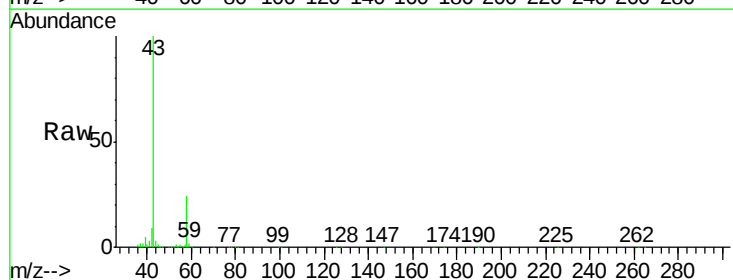
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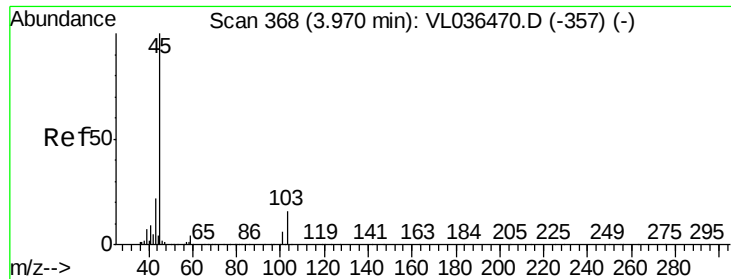
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#15
Acetone
Concen: 6.417 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL036540.D
Acq: 29 Mar 2021 15:23

Tgt Ion	43	58	Ratio	Lower	Upper
Resp: 926411	100	25.0		21.2	31.8





#19

Isopropyl Alcohol

Concen: 4.091 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.00 min

Lab File: VL036540.D

Acq: 29 Mar 2021 15:23

Instrument :

MSVOA_L

ClientSampleId :

IAS-3-CAFETERIADUP

Tot Ion: 45 Resp: 324881

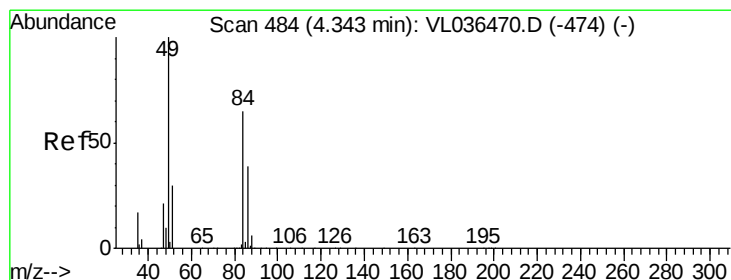
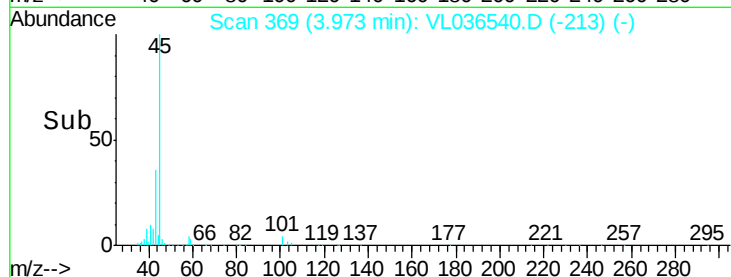
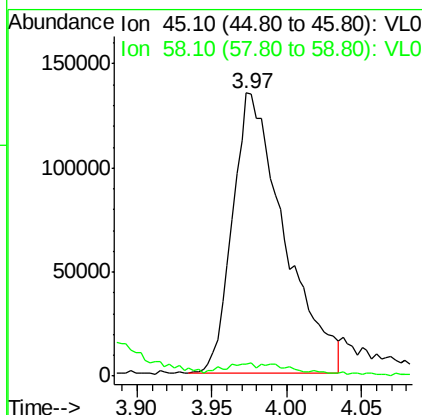
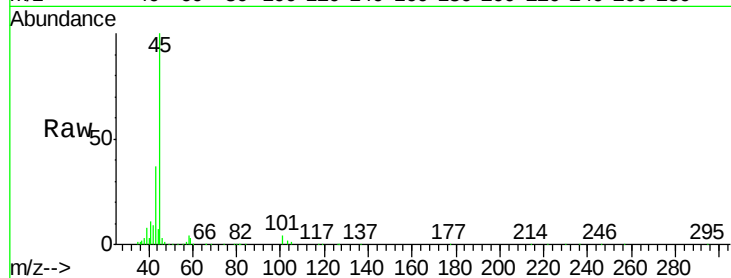
Ion Ratio Lower Upper

45 100

58 5.3 2.9 4.3#

Manual Integrations
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#20

Methylene Chloride

Concen: 13.221 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.00 min

Lab File: VL036540.D

Acq: 29 Mar 2021 15:23

Tgt Ion: 84 Resp: 893631

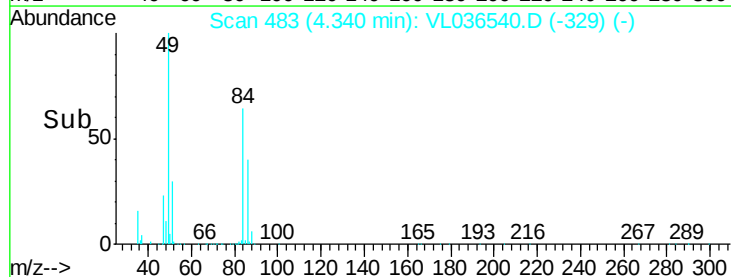
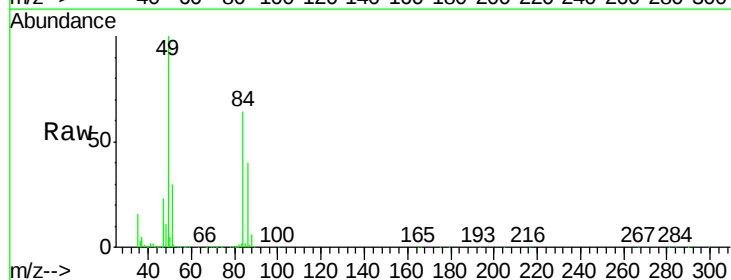
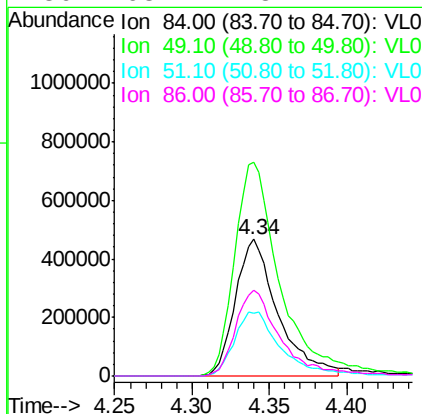
Ion Ratio Lower Upper

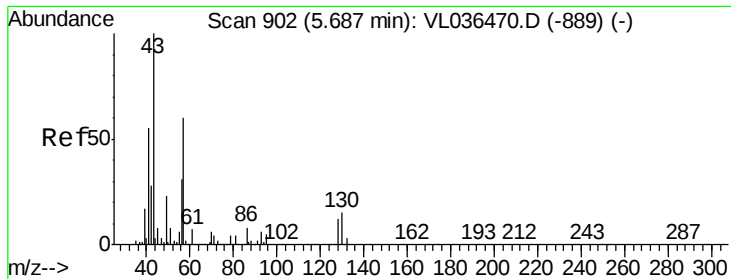
84 100

49 156.2 122.9 184.3

51 46.0 36.9 55.3

86 63.2 48.2 72.4





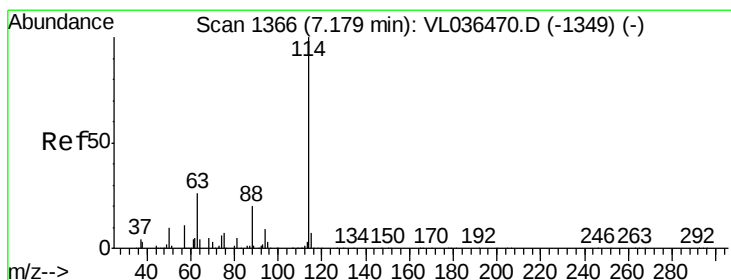
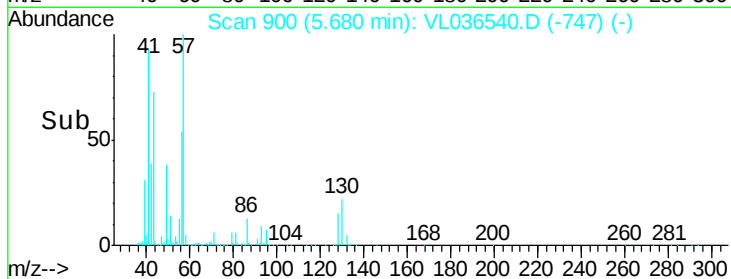
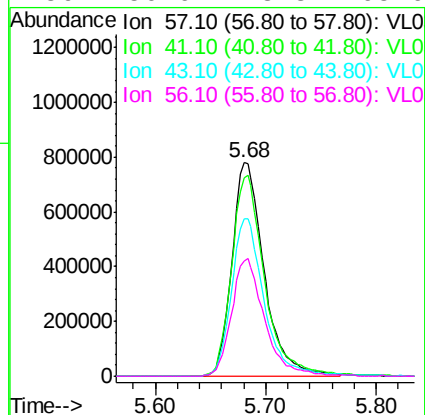
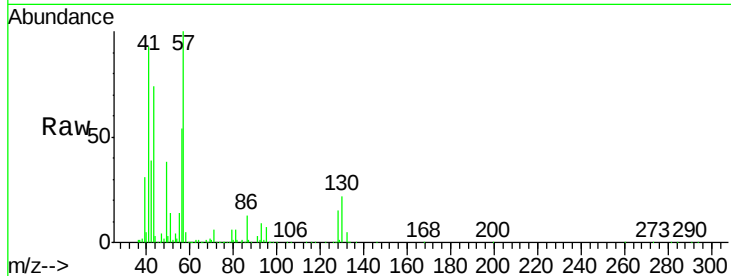
#26
Hexane
Concen: 9.923 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL036540.D
Acq: 29 Mar 2021 15:23

Instrument :
MSVOA_L
ClientSampleId :
IAS-3-CAFETERIADUP

Tot Ion	Ratio	Lower	Upper
57	100		
41	97.5	77.2	115.8
43	75.2	173.8	260.6#
56	56.6	43.8	65.6

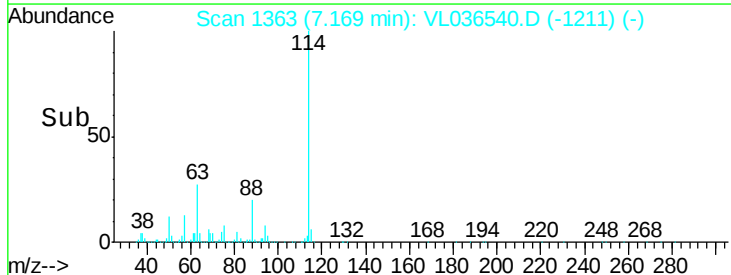
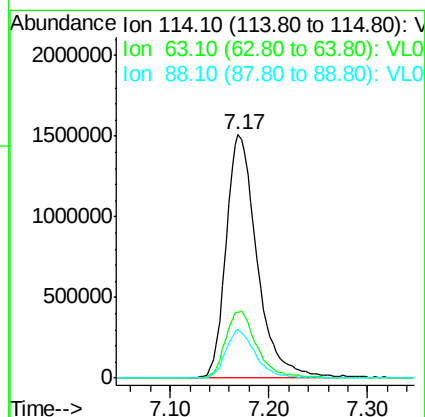
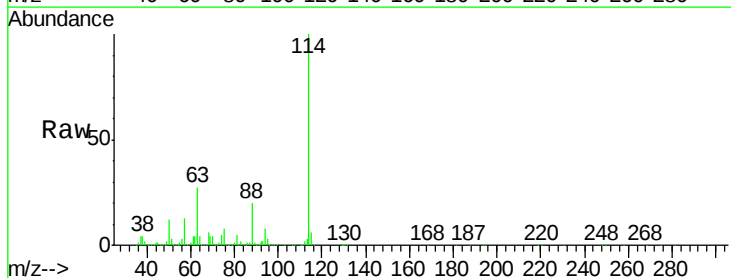
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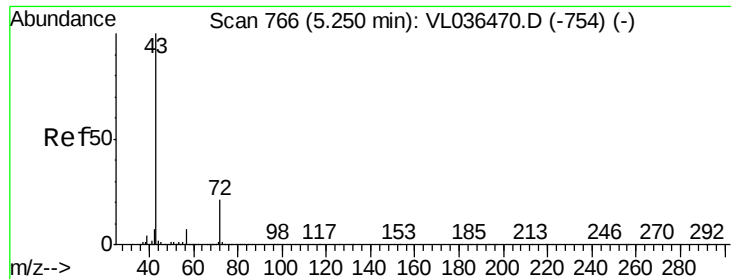
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL036540.D
Acq: 29 Mar 2021 15:23

Tgt Ion	Ratio	Lower	Upper
114	100		
63	28.1	22.4	33.6
88	19.3	15.4	23.0





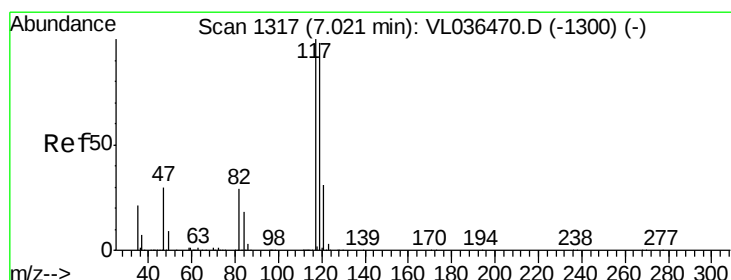
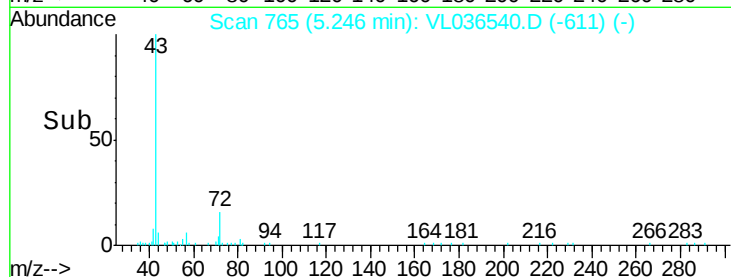
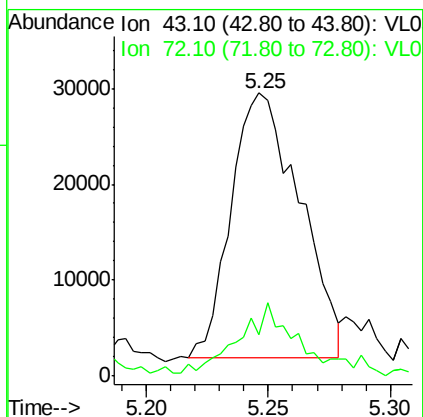
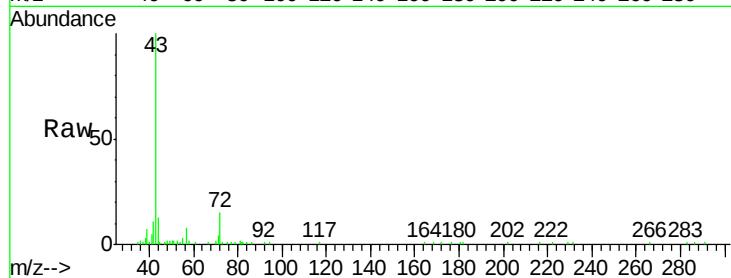
#34
2-Butanone
Concen: 0.332 ppbv
RT: 5.25 min Scan# 765
Delta R.T. -0.00 min
Lab File: VL036540.D
Acq: 29 Mar 2021 15:23

Instrument :
MSVOA_L
ClientSampleId :
IAS-3-CAFETERIADUP

Tot Ion: 43 Resp: 53797
Ion Ratio Lower Upper
43 100
72 26.5 17.0 25.6#

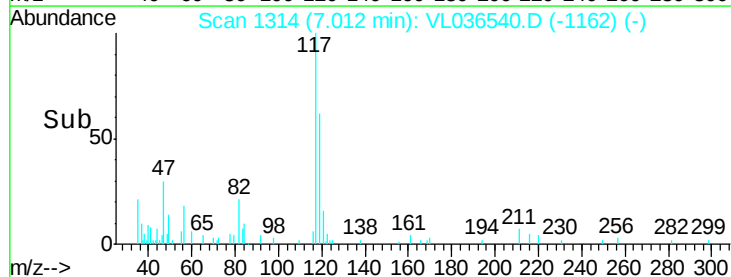
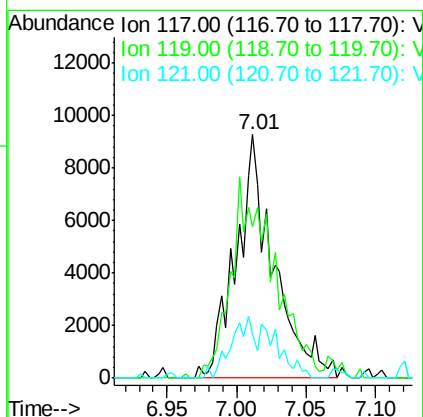
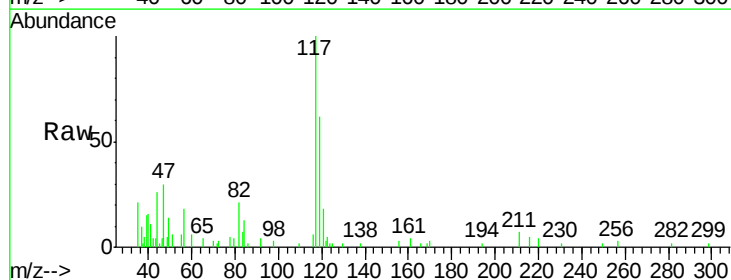
Manual Integrations
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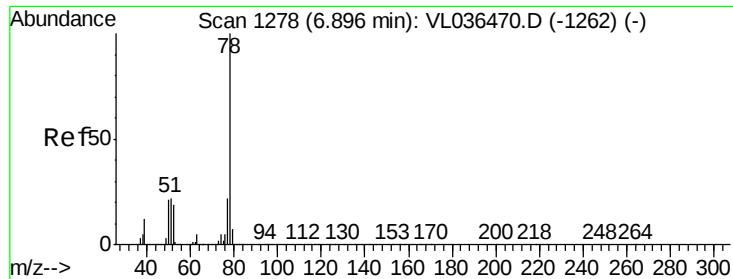
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#35
Carbon Tetrachloride
Concen: 0.068 ppbv m
RT: 7.01 min Scan# 1314
Delta R.T. -0.01 min
Lab File: VL036540.D
Acq: 29 Mar 2021 15:23

Tgt Ion: 117 Resp: 17462
Ion Ratio Lower Upper
117 100
119 62.0 78.2 117.2#
121 18.1 24.5 36.7#





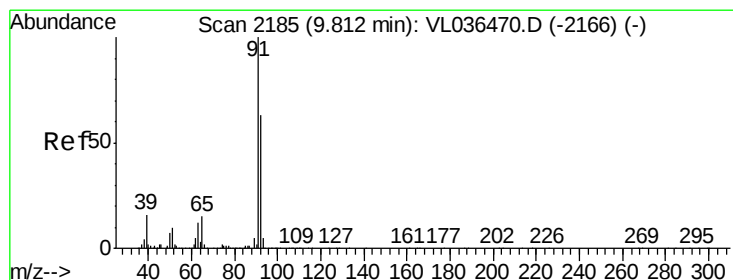
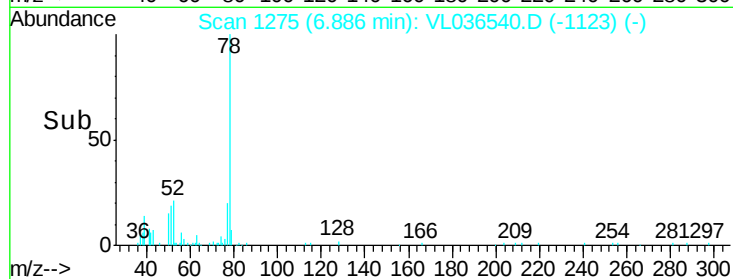
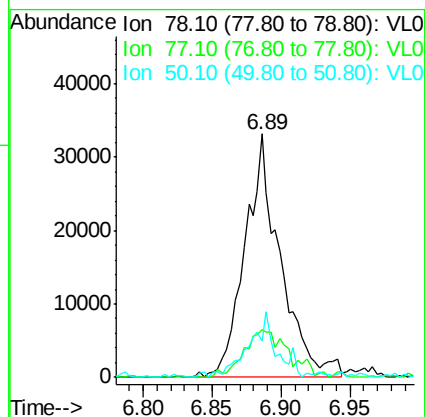
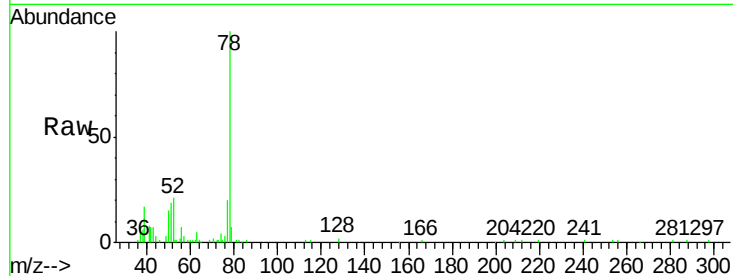
#36
Benzene
Concen: 0.193 ppbv m
RT: 6.89 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VL036540.D
Acq: 29 Mar 2021 15:23

Instrument :
MSVOA_L
ClientSampleId :
IAS-3-CAFETERIADUP

Tot Ion	Ratio	Lower	Upper
78	100		
77	19.9	18.0	27.0
50	14.7	16.5	24.7#

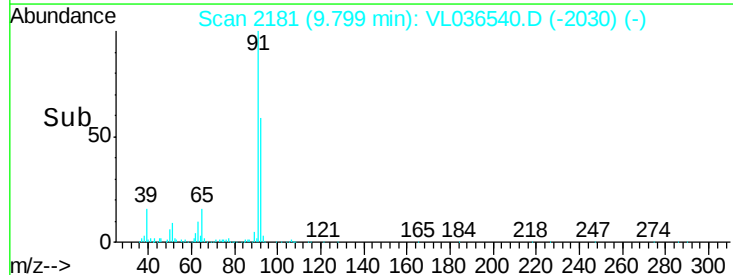
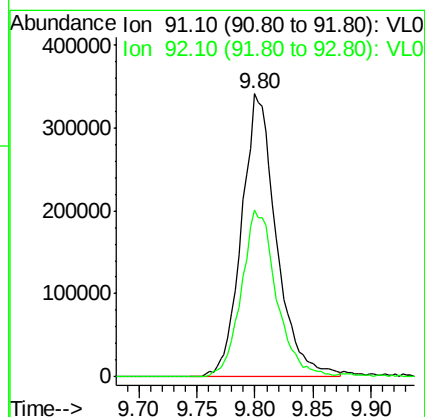
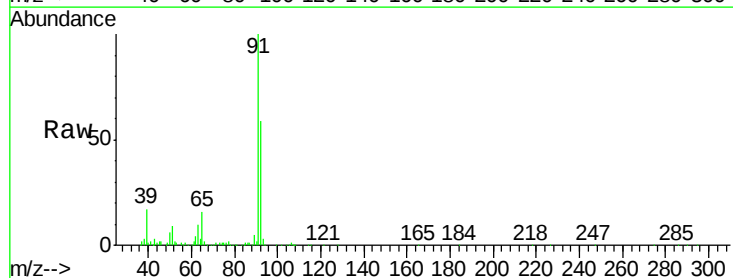
Manual Integrations
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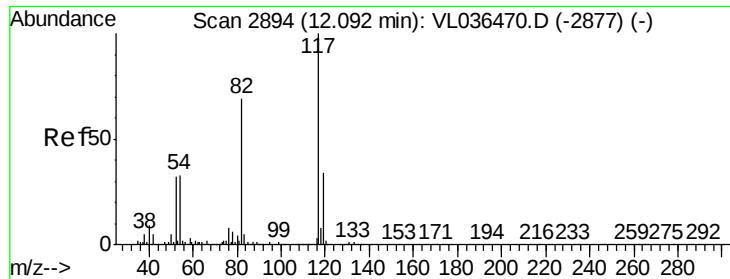
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#53
Toluene
Concen: 2.176 ppbv
RT: 9.80 min Scan# 2181
Delta R.T. -0.01 min
Lab File: VL036540.D
Acq: 29 Mar 2021 15:23

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.0	48.8	73.2





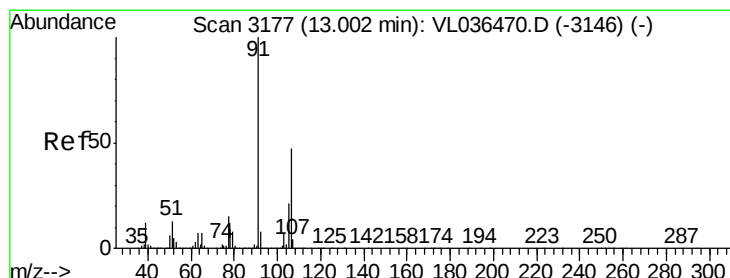
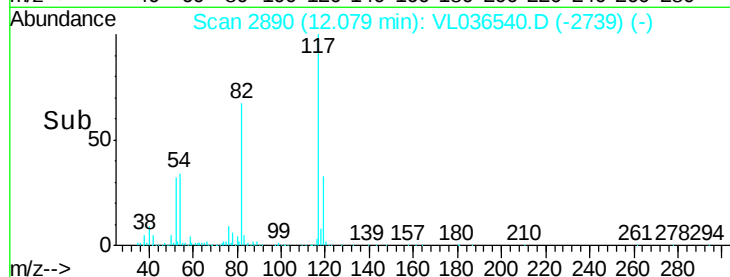
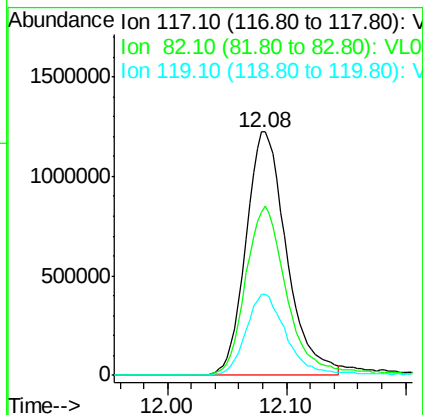
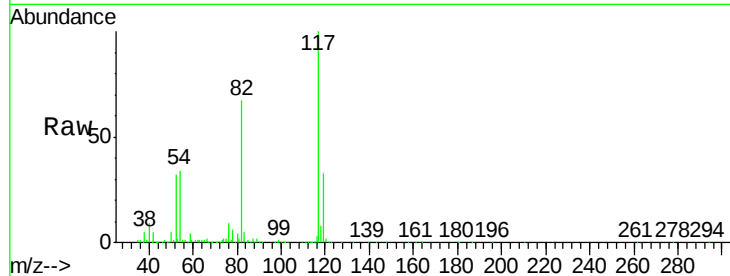
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL036540.D
Acq: 29 Mar 2021 15:23

Instrument :
MSVOA_L
ClientSampleId :
IAS-3-CAFETERIADUP

Tot Ion:117 Resp: 2893326
Ion Ratio Lower Upper
117 100
82 72.3 57.4 86.0
119 34.4 47.4 71.0#

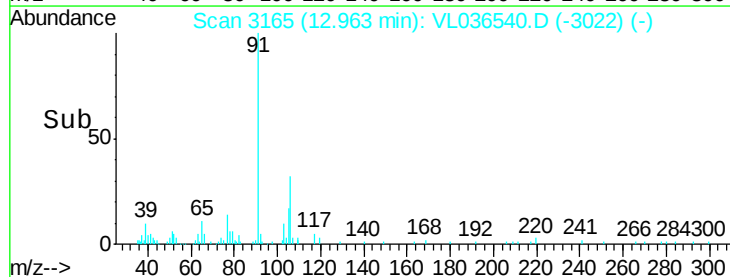
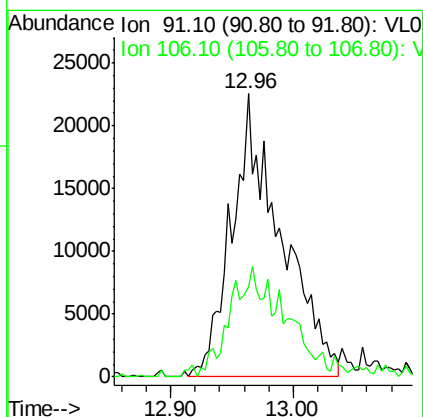
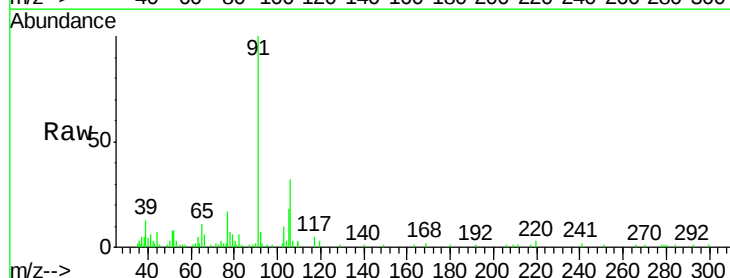
Manual Integrations
APPROVED

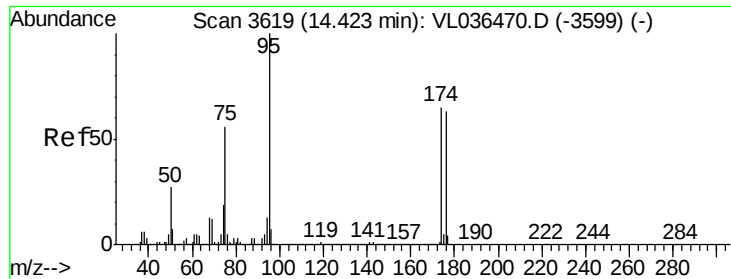
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#59
m/p-Xylene
Concen: 0.170 ppbv m
RT: 12.96 min Scan# 3165
Delta R.T. -0.04 min
Lab File: VL036540.D
Acq: 29 Mar 2021 15:23

Tgt Ion: 91 Resp: 62301
Ion Ratio Lower Upper
91 100
106 0.0 35.3 52.9#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.892 ppbv
 RT: 14.41 min Scan# 3615
 Delta R.T. -0.01 min
 Lab File: VL036540.D
 Acq: 29 Mar 2021 15:23

Instrument :
 MSVOA_L
 ClientSampleId :
 IAS-3-CAFETERIADUP

Tot Ion	Ratio	Lower	Upper
95	100		
174	67.0	51.0	76.6
175	4.6	3.9	5.9

Manual Integrations
 APPROVED

MMDadoda
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