

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032921\
 Data File : VL036546.D
 Acq On : 29 Mar 2021 19:31
 Operator : SY/AP
 Sample : M1760-10
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IAS-7-ENT-CABINET

Manual Integrations
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 3/30/2021 7:44:16 PM

Quant Time: Mar 30 11:30:02 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 09:42:40 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	1499395	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	3368311	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	2978765	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2385788	10.05	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	51455	0.210	ppbv	92
3) Chlorodifluoromethane	2.98	51	66909m	0.239	ppbv	
4) Chloromethane	3.13	50	49084	0.496	ppbv	91
9) Propene	3.02	41	80107m	0.897	ppbv	
11) Trichlorofluoromethane	3.94	101	52969m	0.213	ppbv	
13) Ethanol	3.61	45	3579729	336.595	ppbv	95
15) Acetone	3.84	43	1127280	7.639	ppbv	95
19) Isopropyl Alcohol	3.97	45	3933804	48.457	ppbv #	95
20) Methylene Chloride	4.33	84	796332	11.525	ppbv	97
26) Hexane	5.68	57	1219435	7.490	ppbv #	47
34) 2-Butanone	5.24	43	69850	0.425	ppbv #	90
35) Carbon Tetrachloride	7.01	117	14601m	0.056	ppbv	
36) Benzene	6.88	78	75899m	0.244	ppbv	
53) Toluene	9.80	91	698522	2.111	ppbv	99
59) m/p-Xylene	12.95	91	112459m	0.298	ppbv	
60) o-Xylene	13.69	91	34785m	0.095	ppbv	

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

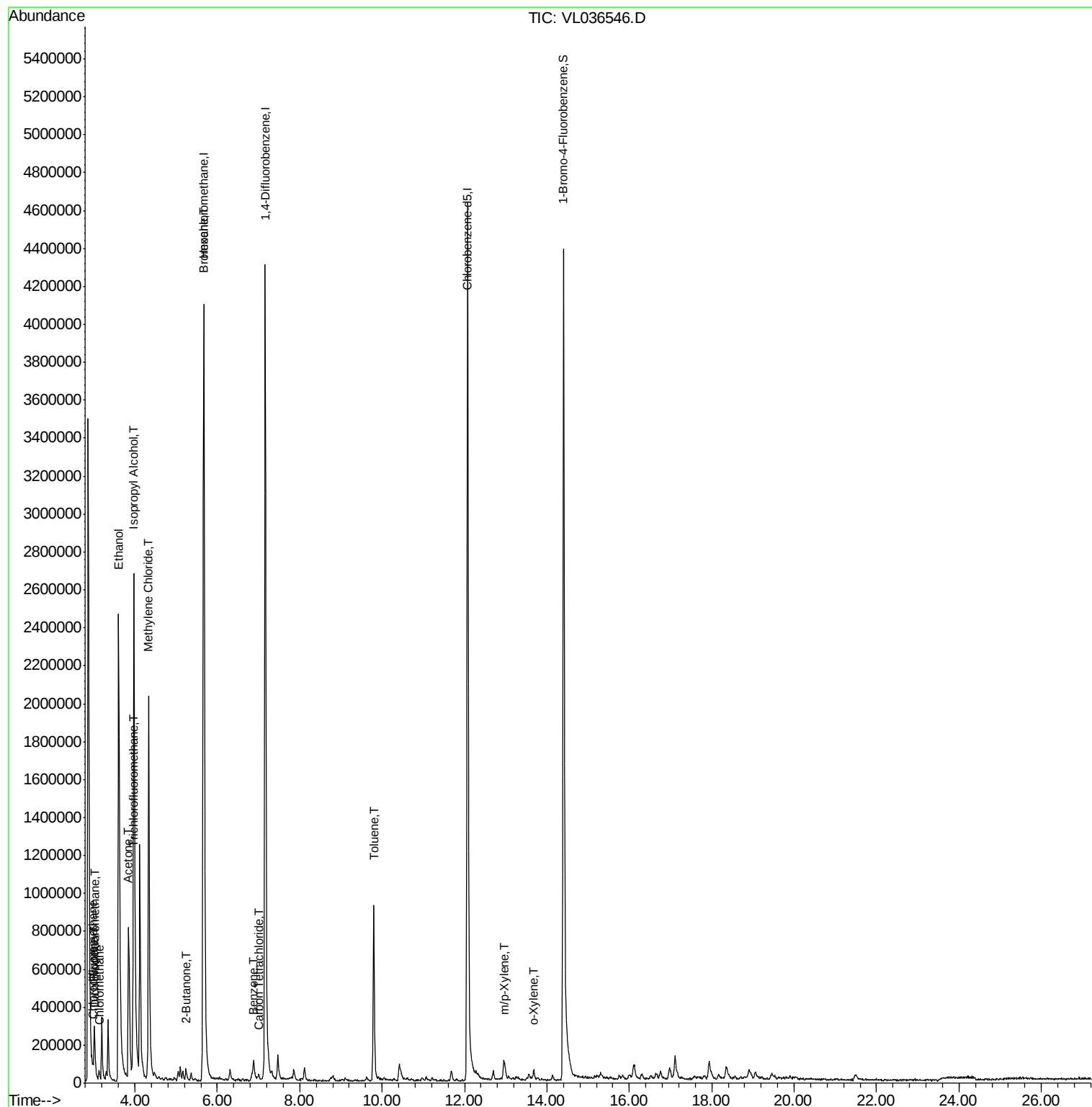
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032921\
Data File : VL036546.D
Acq On : 29 Mar 2021 19:31
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IAS-7-ENT-CABINET

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Quant Time: Mar 30 11:30:02 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# 893

Delta R.T. -0.01 min

Lab File: VL036546.D

Acq: 29 Mar 2021 19:31

Instrument :

MSVOA_L

ClientSampleId :

IAS-7-ENT-CABINET

Tot Ion: 49 Resp: 1499395

Ion Ratio Lower Upper

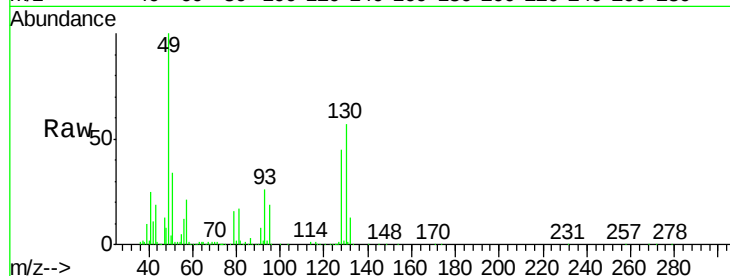
49 100

128 44.1 23.5 70.6

130 56.6 29.1 87.4

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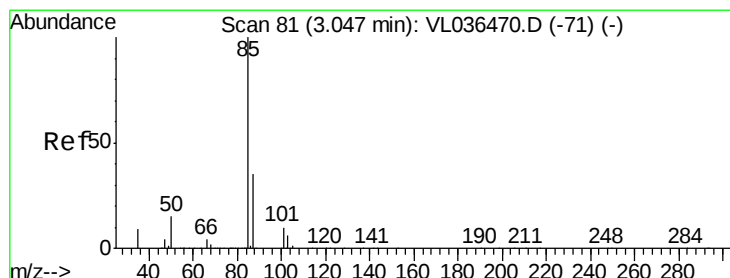
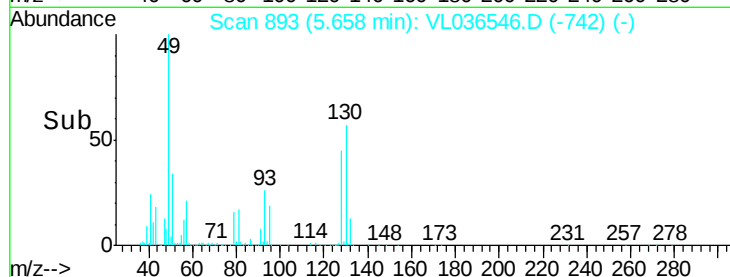
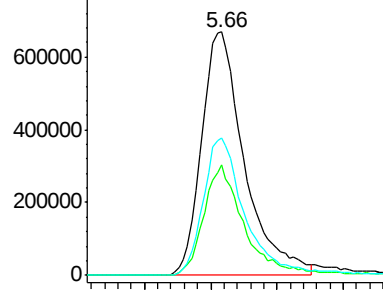
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.210 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL036546.D

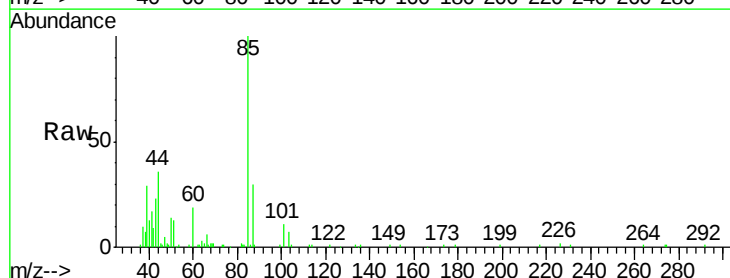
Acq: 29 Mar 2021 19:31

Tgt Ion: 85 Resp: 51455

Ion Ratio Lower Upper

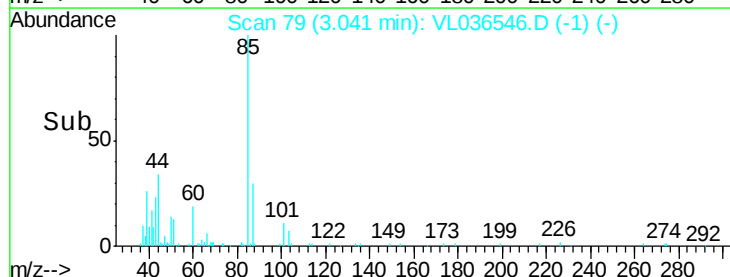
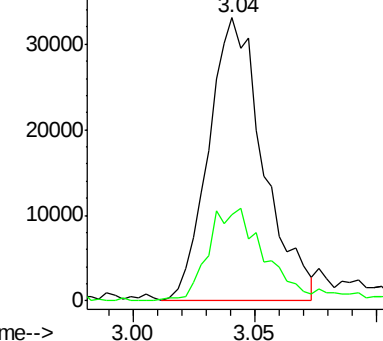
85 100

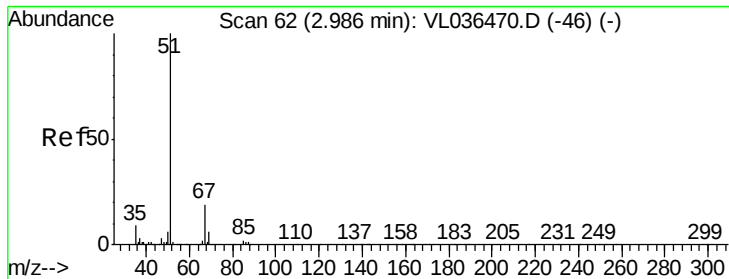
87 30.0 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





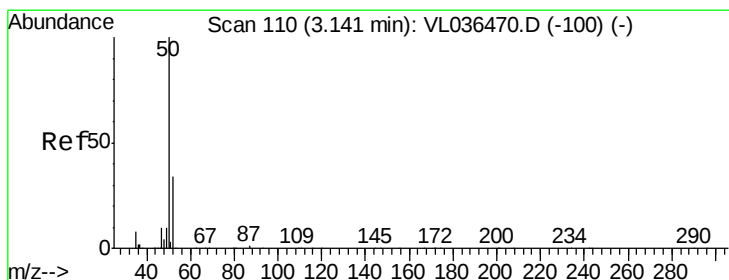
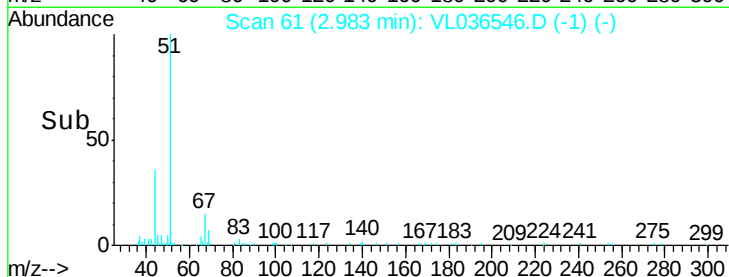
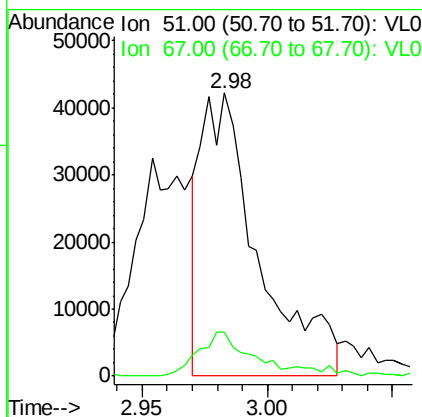
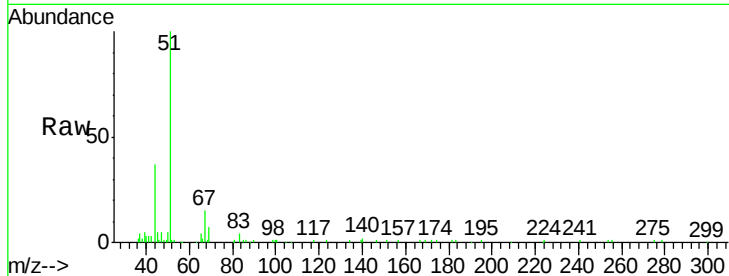
#3
Chlorodifluoromethane
Concen: 0.239 ppbv
RT: 2.98 min Scan# 61
Delta R.T. -0.00 min
Lab File: VL036546.D
Acq: 29 Mar 2021 19:31

Instrument :
MSVOA_L
ClientSampleId :
IAS-7-ENT-CABINET

Tot Ion: 51 Resp: 66909
Ion Ratio Lower Upper
51 100
67 16.8 14.7 22.1

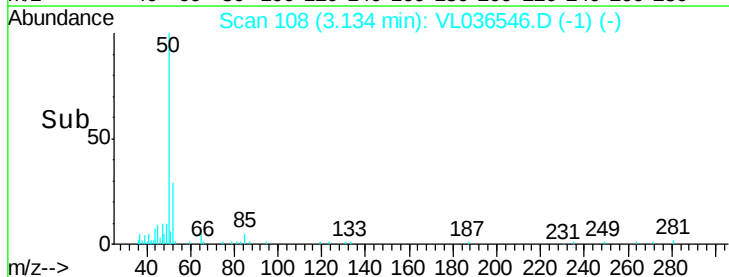
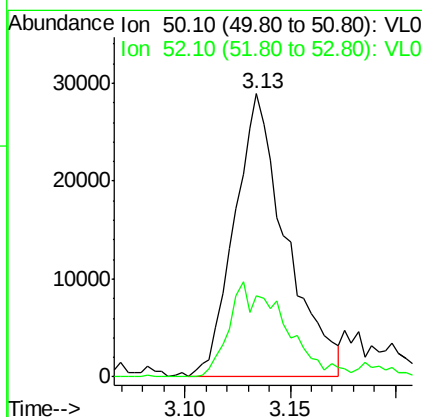
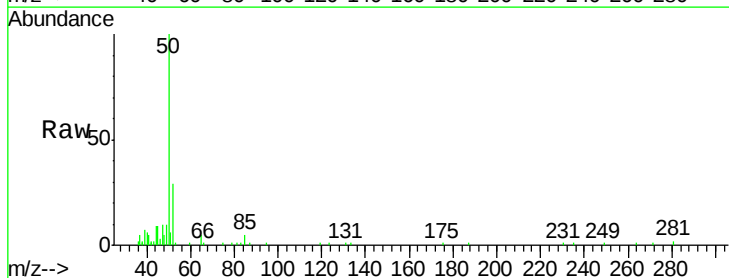
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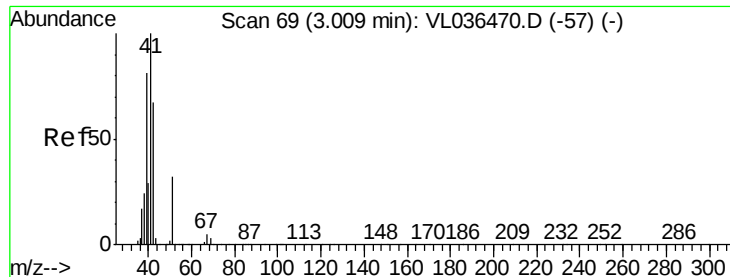
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#4
Chloromethane
Concen: 0.496 ppbv
RT: 3.13 min Scan# 108
Delta R.T. -0.01 min
Lab File: VL036546.D
Acq: 29 Mar 2021 19:31

Tgt Ion: 50 Resp: 49084
Ion Ratio Lower Upper
50 100
52 28.6 27.0 40.6





#9

Propene

Concen: 0.897 ppbv m

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL036546.D

Acq: 29 Mar 2021 19:31

Instrument :

MSVOA_L

ClientSampleId :

IAS-7-ENT-CABINET

Tot Ion: 41 Resp: 80107

Ion Ratio Lower Upper

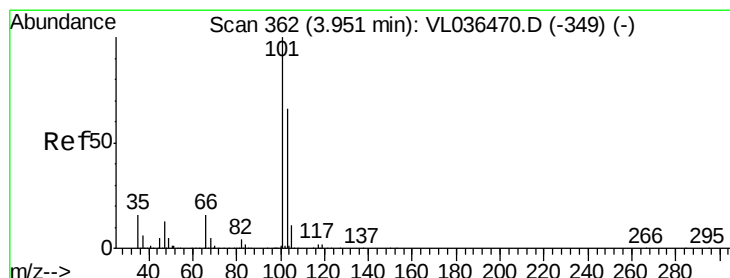
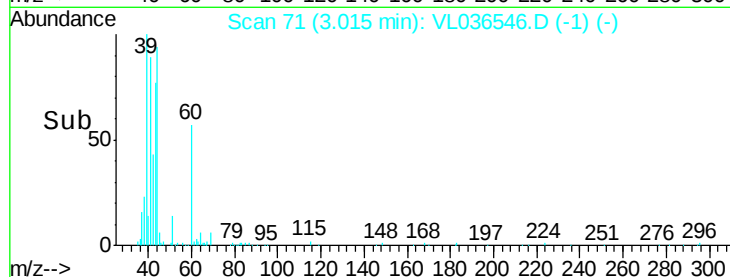
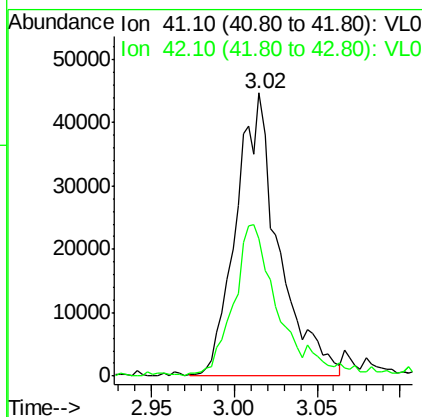
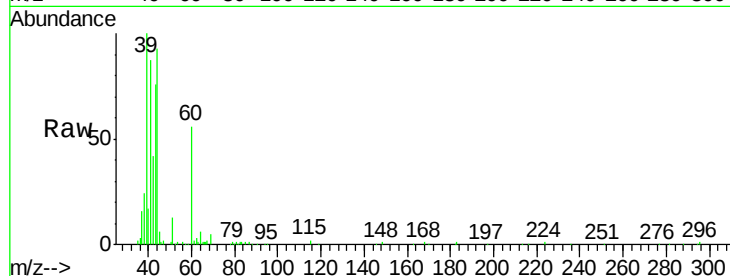
41 100

42 0.0 57.0 85.4#

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#11

Trichlorofluoromethane

Concen: 0.213 ppbv m

RT: 3.94 min Scan# 360

Delta R.T. -0.01 min

Lab File: VL036546.D

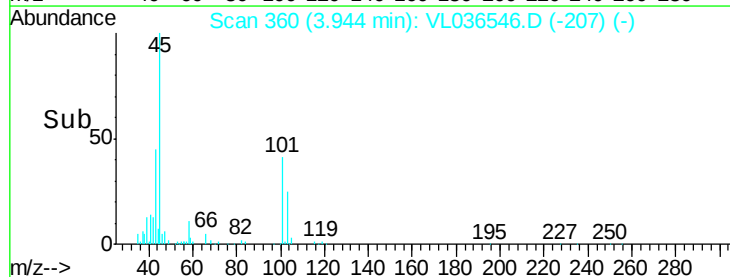
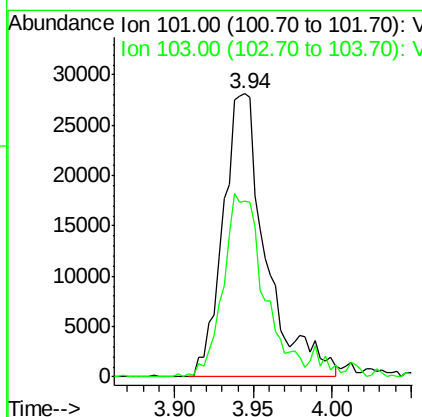
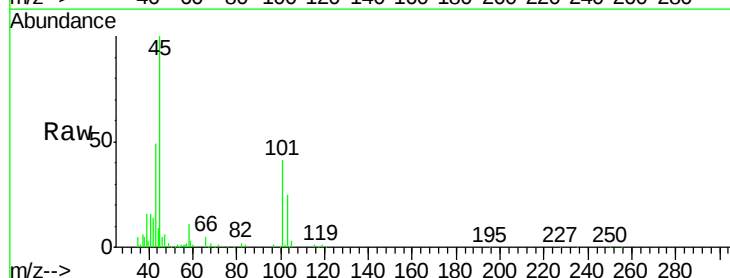
Acq: 29 Mar 2021 19:31

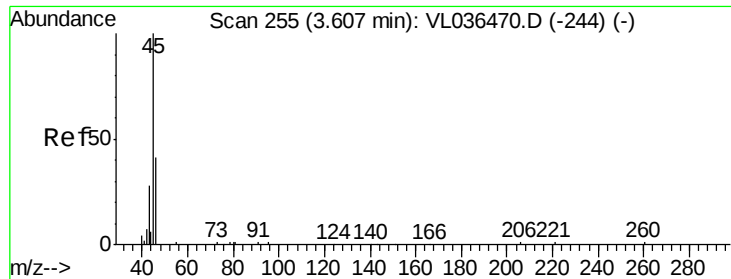
Tgt Ion: 101 Resp: 52969

Ion Ratio Lower Upper

101 100

103 62.3 52.5 78.7





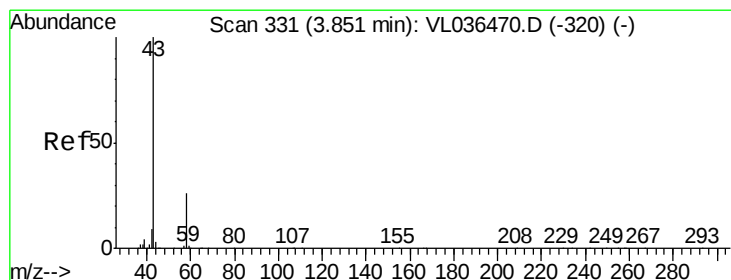
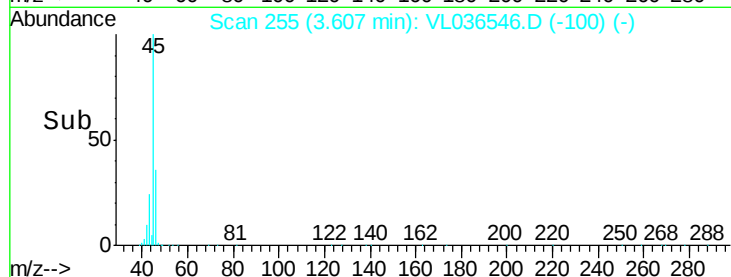
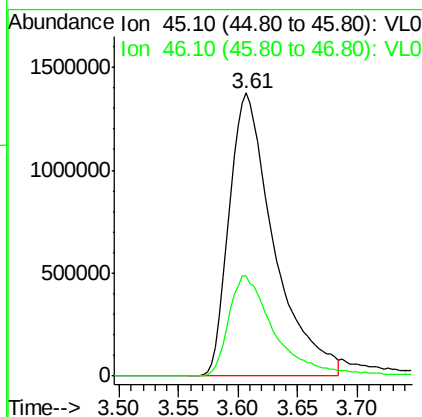
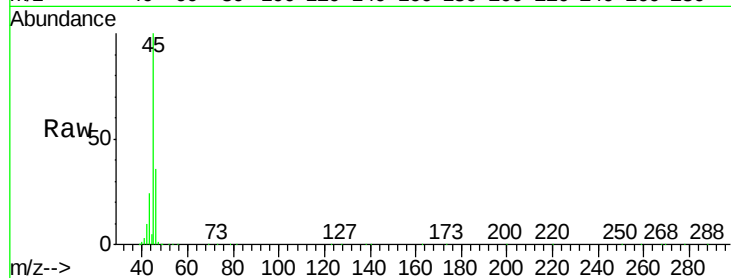
#13
Ethanol
Concen: 336.595 ppbv
RT: 3.61 min Scan# 255
Delta R.T. -0.00 min
Lab File: VL036546.D
Acq: 29 Mar 2021 19:31

Instrument :
MSVOA_L
ClientSampleId :
IAS-7-ENT-CABINET

Tot Ion: 45 Resp: 3579729
Ion Ratio Lower Upper
45 100
46 38.1 16.6 66.2

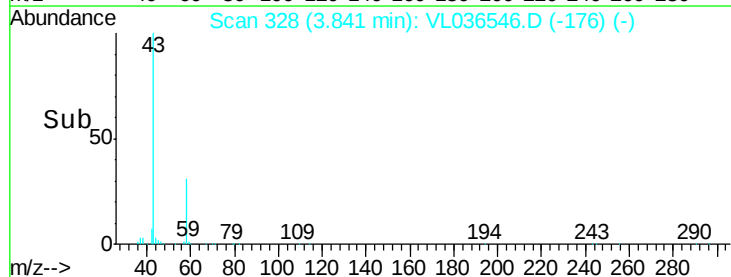
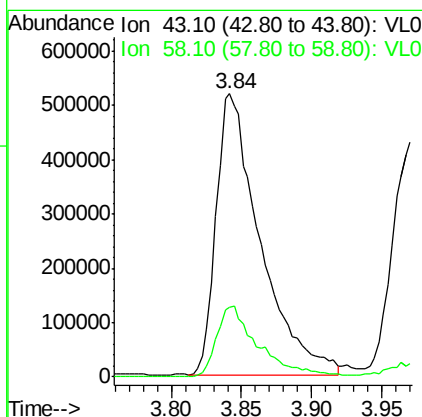
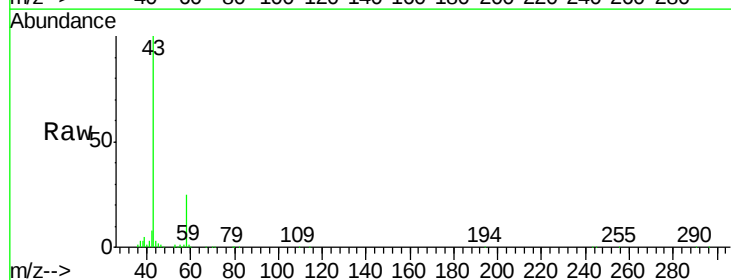
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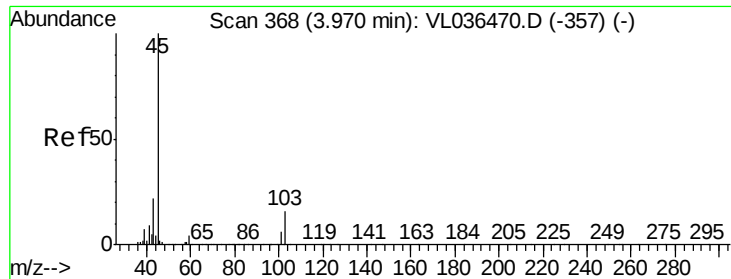
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#15
Acetone
Concen: 7.639 ppbv
RT: 3.84 min Scan# 328
Delta R.T. -0.01 min
Lab File: VL036546.D
Acq: 29 Mar 2021 19:31

Tgt Ion: 43 Resp: 1127280
Ion Ratio Lower Upper
43 100
58 24.2 21.2 31.8





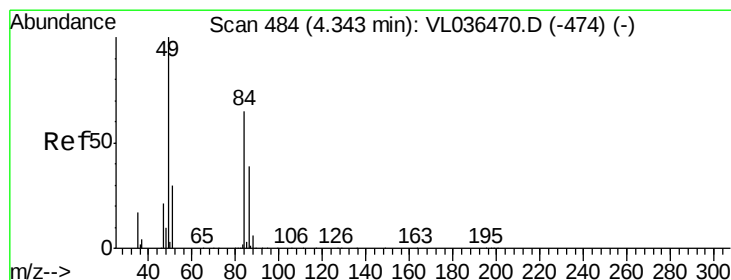
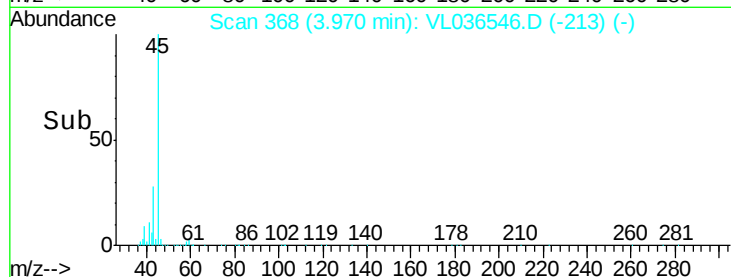
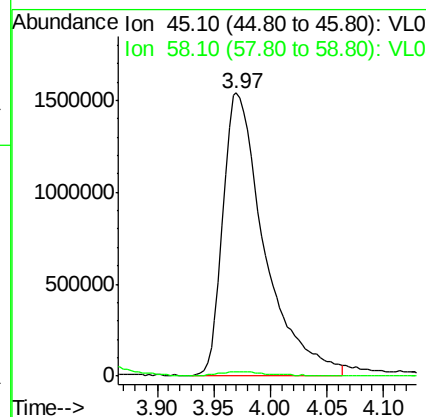
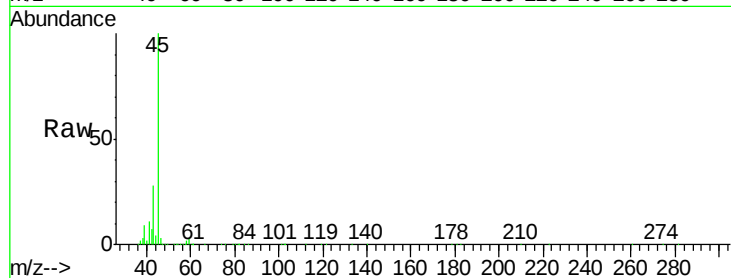
#19
Isopropyl Alcohol
Concen: 48.457 ppbv
RT: 3.97 min Scan# 368
Delta R.T. -0.00 min
Lab File: VL036546.D
Acq: 29 Mar 2021 19:31

Instrument :
MSVOA_L
ClientSampleId :
IAS-7-ENT-CABINET

Tot Ion: 45 Resp: 3933804
Ion Ratio Lower Upper
45 100
58 2.0 2.9 4.3#

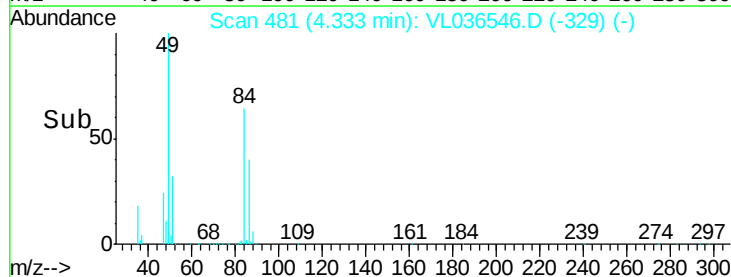
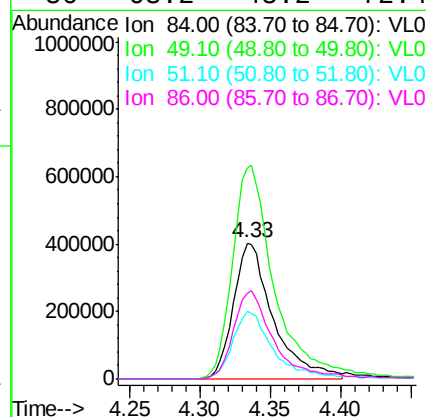
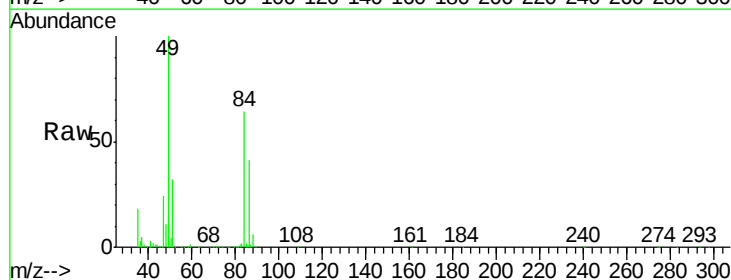
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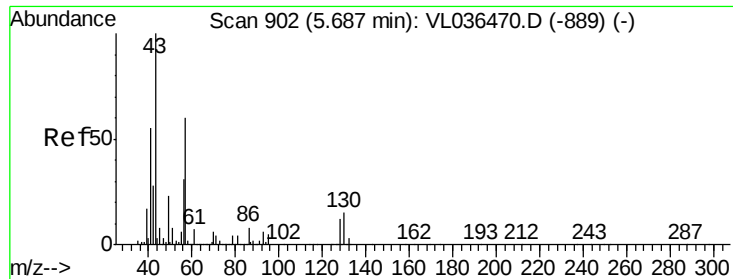
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#20
Methylene Chloride
Concen: 11.525 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.01 min
Lab File: VL036546.D
Acq: 29 Mar 2021 19:31

Tgt Ion: 84 Resp: 796332
Ion Ratio Lower Upper
84 100
49 155.6 122.9 184.3
51 49.5 36.9 55.3
86 63.2 48.2 72.4





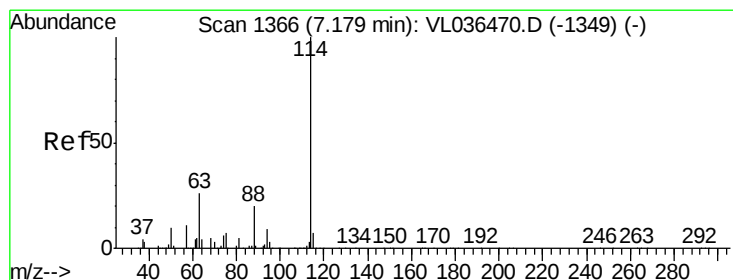
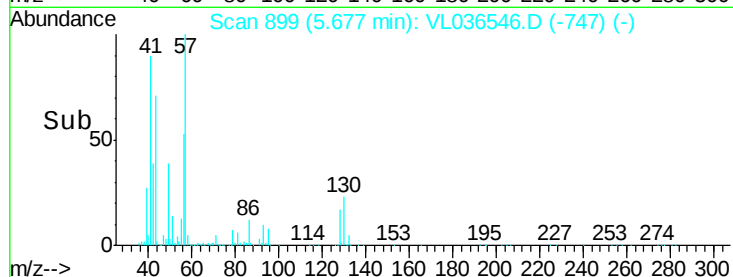
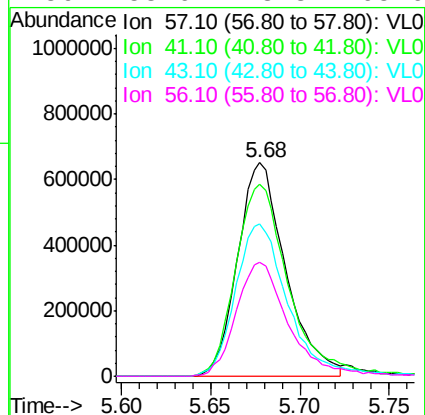
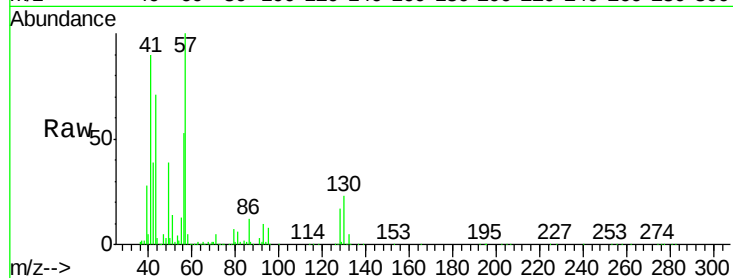
#26
Hexane
Concen: 7.490 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL036546.D
Acq: 29 Mar 2021 19:31

Instrument :
MSVOA_L
ClientSampleId :
IAS-7-ENT-CABINET

Tot Ion	57	Resp	1219435
Ion	Ratio	Lower	Upper
57	100		
41	100.8	77.2	115.8
43	79.1	173.8	260.6#
56	58.6	43.8	65.6

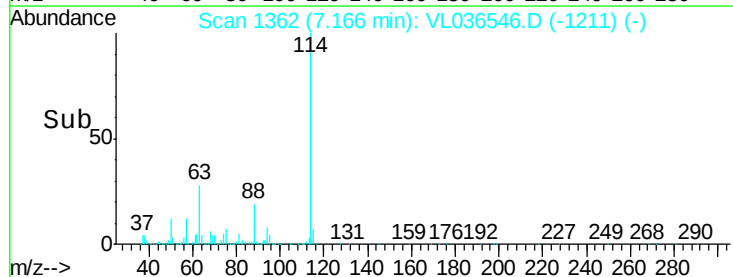
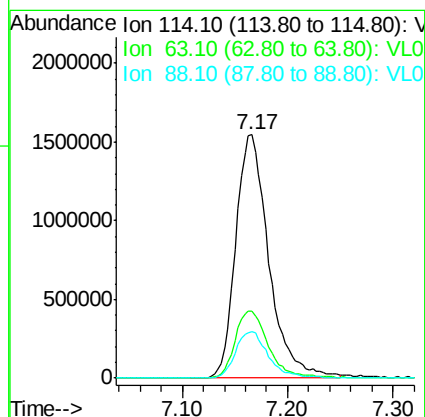
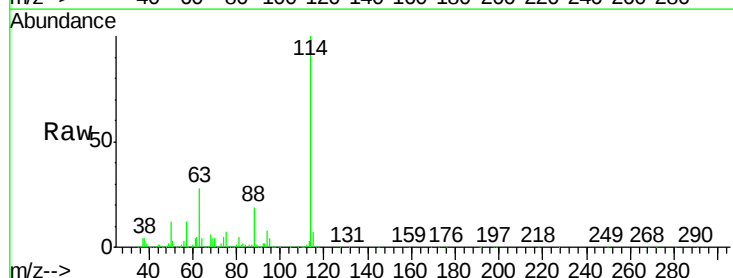
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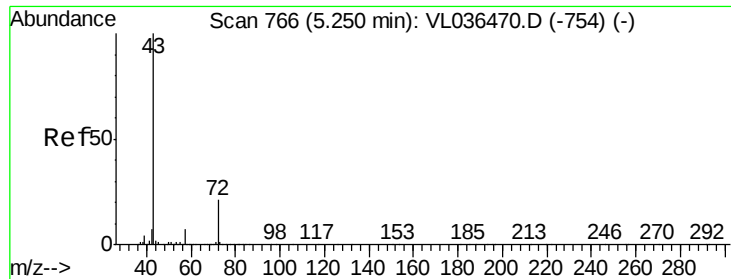
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VL036546.D
Acq: 29 Mar 2021 19:31

Tgt Ion	114	Resp	3368311
Ion	Ratio	Lower	Upper
114	100		
63	28.0	22.4	33.6
88	19.4	15.4	23.0





#34

2-Butanone

Concen: 0.425 ppbv

RT: 5.24 min Scan# 762

Delta R.T. -0.01 min

Lab File: VL036546.D

Acq: 29 Mar 2021 19:31

Instrument :

MSVOA_L

ClientSampleId :

IAS-7-ENT-CABINET

Tot Ion: 43 Resp: 69850

Ion Ratio Lower Upper

43 100

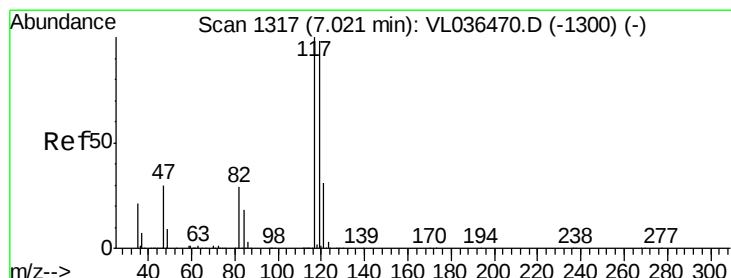
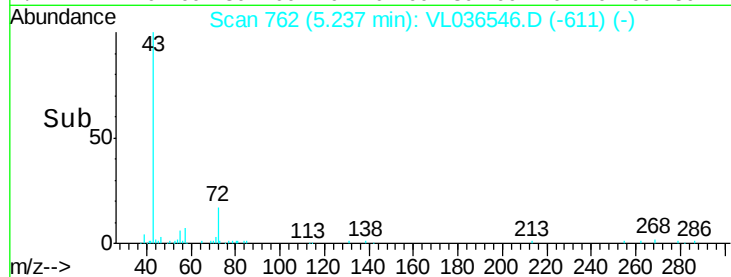
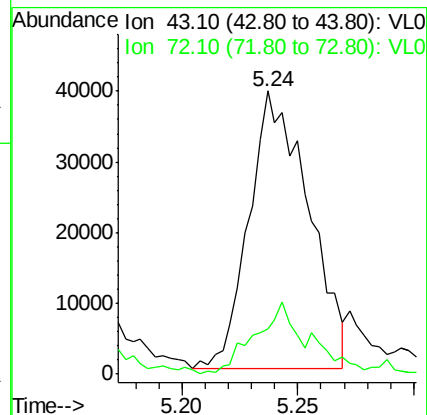
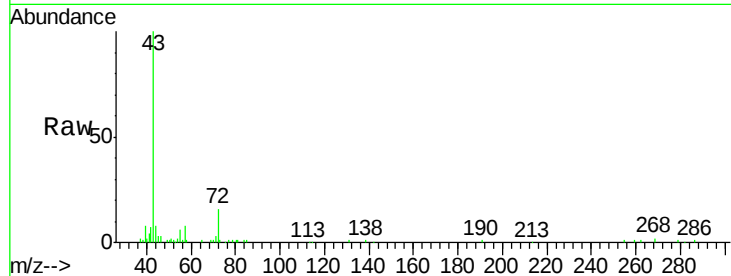
72 25.9 17.0 25.6#

Manual Integrations

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#35

Carbon Tetrachloride

Concen: 0.056 ppbv m

RT: 7.01 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VL036546.D

Acq: 29 Mar 2021 19:31

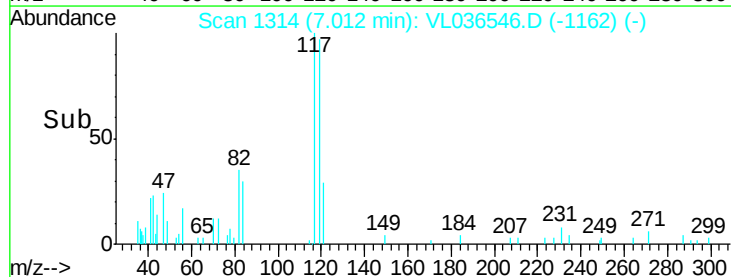
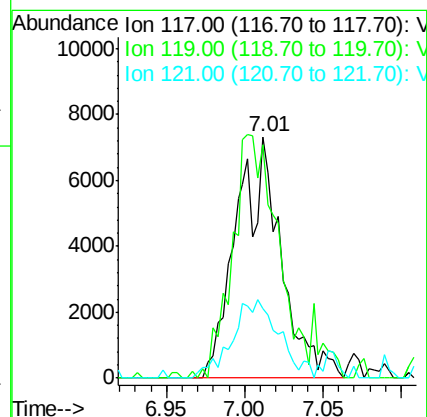
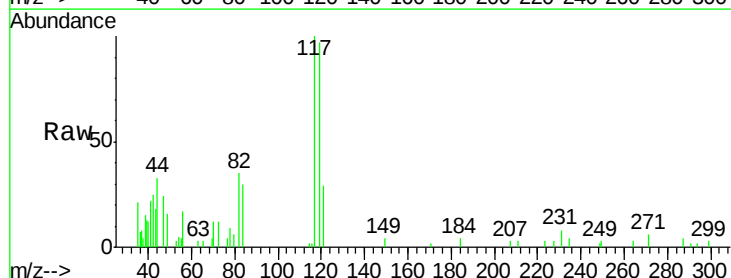
Tgt Ion: 117 Resp: 14601

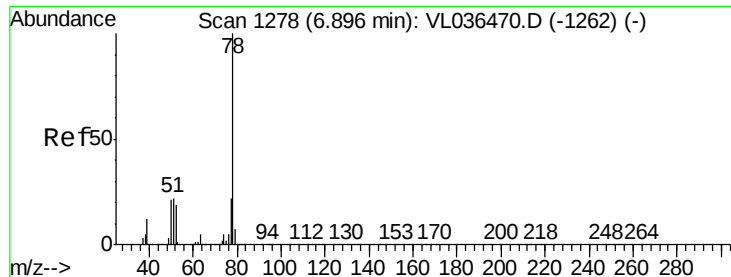
Ion Ratio Lower Upper

117 100

119 96.6 78.2 117.2

121 28.7 24.5 36.7





#36

Benzene

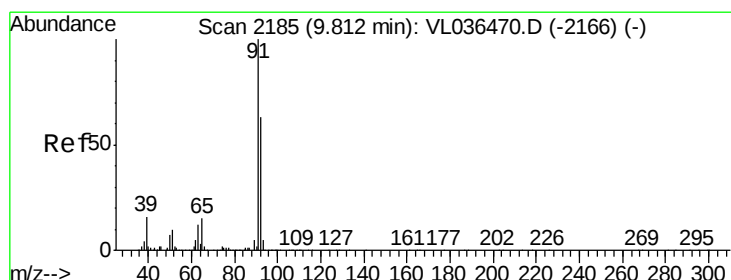
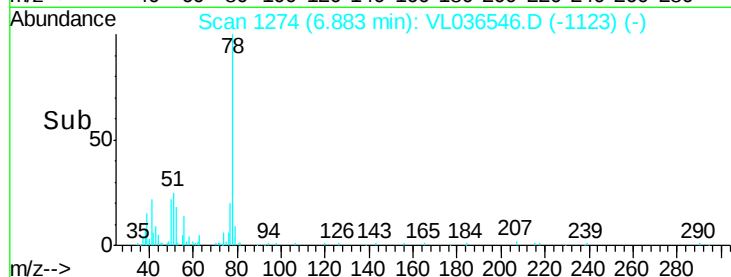
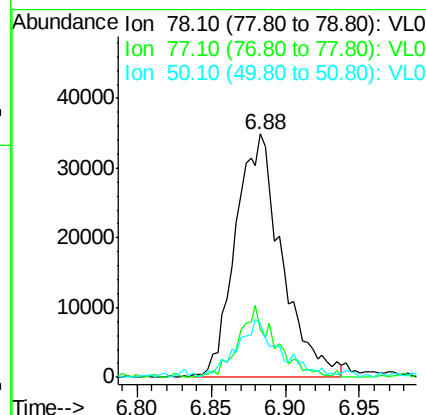
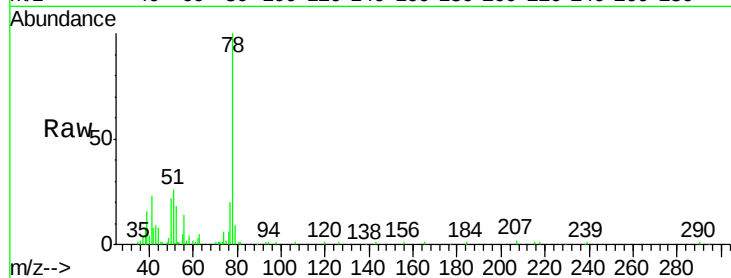
Concen: 0.244 ppbv m
RT: 6.88 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VL036546.D
Acq: 29 Mar 2021 19:31

Instrument :
MSVOA_L
ClientSampleId :
IAS-7-ENT-CABINET

Tot Ion	Ratio	Lower	Upper
78	100		
77	19.8	18.0	27.0
50	22.2	16.5	24.7

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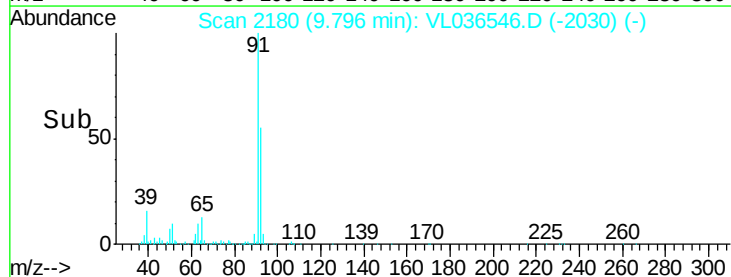
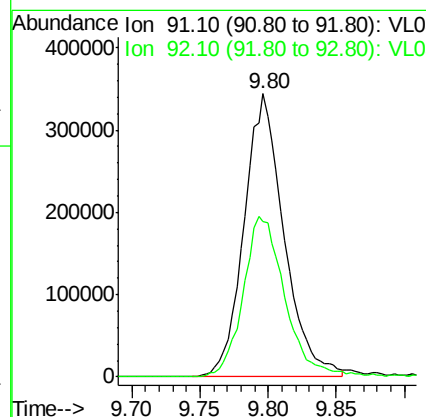
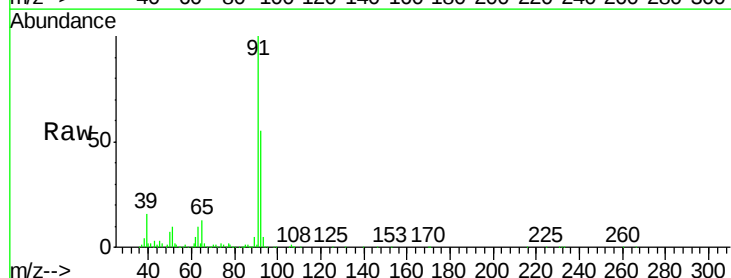


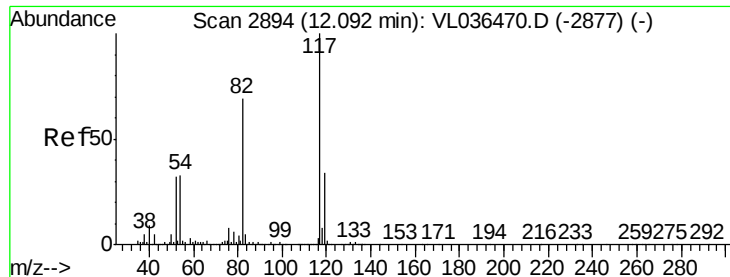
#53

Toluene

Concen: 2.111 ppbv
RT: 9.80 min Scan# 2180
Delta R.T. -0.02 min
Lab File: VL036546.D
Acq: 29 Mar 2021 19:31

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.2	48.8	73.2





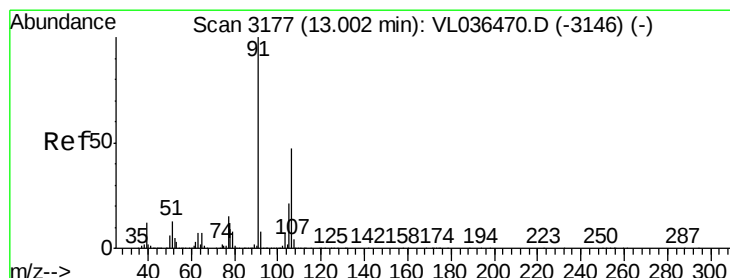
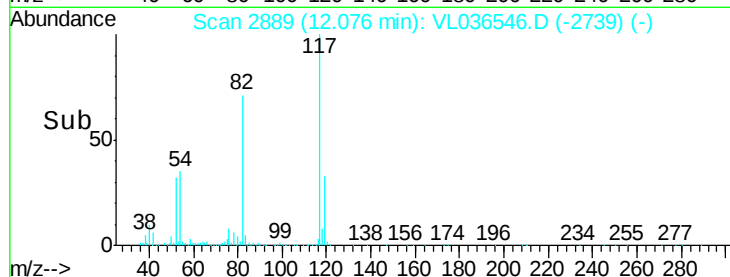
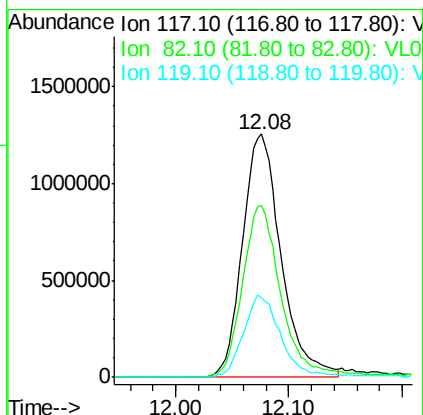
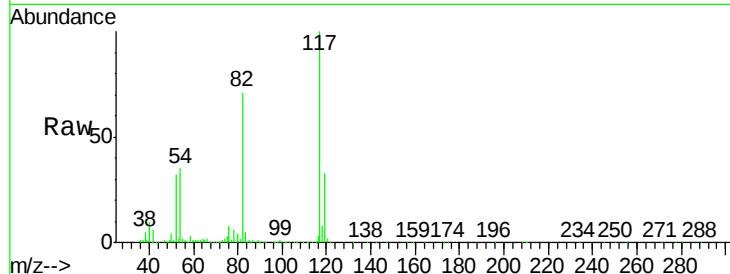
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2889
Delta R.T. -0.02 min
Lab File: VL036546.D
Acq: 29 Mar 2021 19:31

Instrument :
MSVOA_L
ClientSampleId :
IAS-7-ENT-CABINET

Tot Ion:117 Resp: 2978765
Ion Ratio Lower Upper
117 100
82 73.5 57.4 86.0
119 34.2 47.4 71.0#

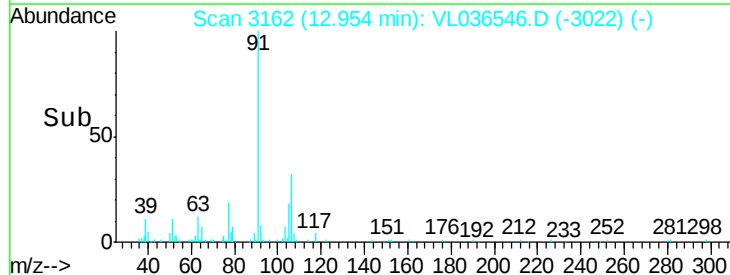
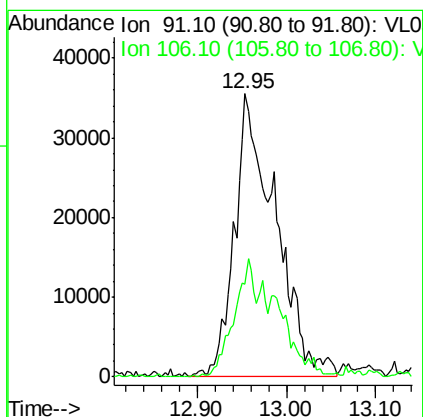
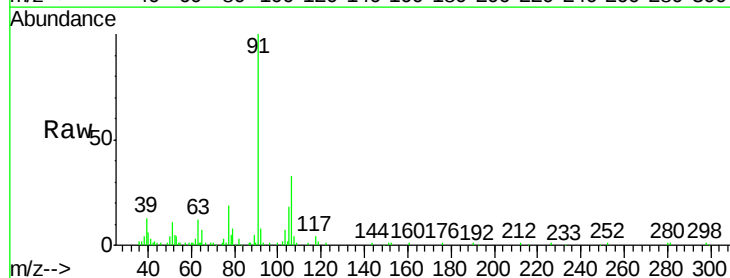
Manual Integrations
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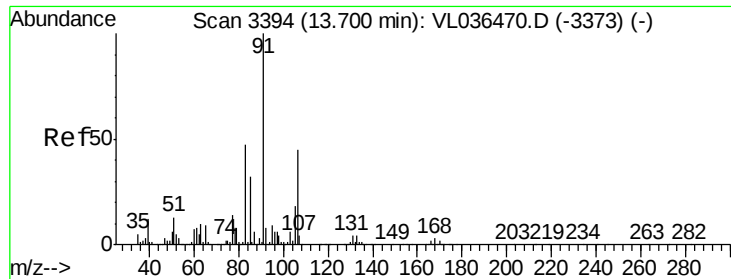
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#59
m/p-Xylene
Concen: 0.298 ppbv m
RT: 12.95 min Scan# 3162
Delta R.T. -0.05 min
Lab File: VL036546.D
Acq: 29 Mar 2021 19:31

Tgt Ion: 91 Resp: 112459
Ion Ratio Lower Upper
91 100
106 0.0 35.3 52.9#





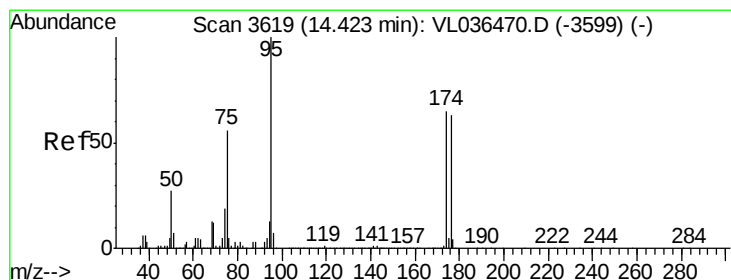
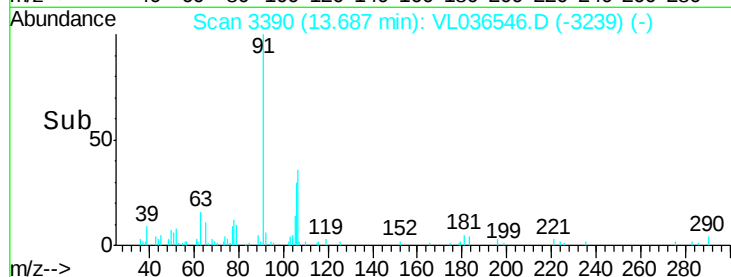
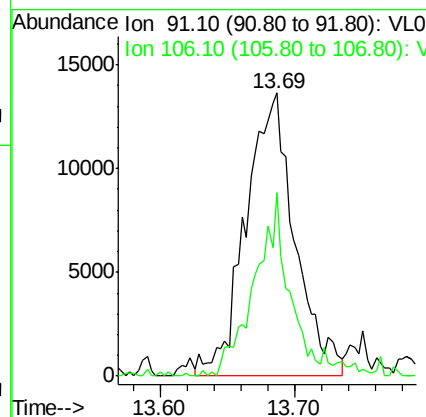
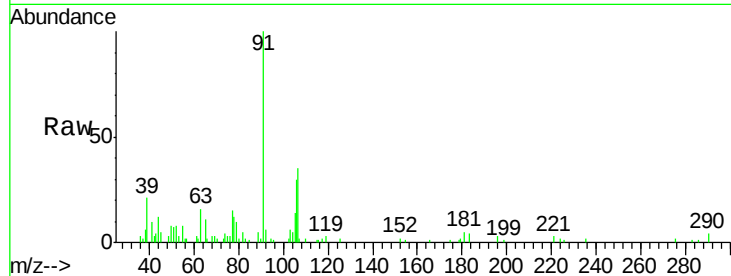
#60
o-Xylene
Concen: 0.095 ppbv m
RT: 13.69 min Scan# 3390
Delta R.T. -0.01 min
Lab File: VL036546.D
Acq: 29 Mar 2021 19:31

Instrument :
MSVOA_L
ClientSampleId :
IAS-7-ENT-CABINET

Tot Ion: 91 Resp: 34785
Ion Ratio Lower Upper
91 100
106 49.4 22.3 66.9

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.049 ppbv
RT: 14.40 min Scan# 3613
Delta R.T. -0.02 min
Lab File: VL036546.D
Acq: 29 Mar 2021 19:31

Tgt Ion: 95 Resp: 2385788
Ion Ratio Lower Upper
95 100
174 65.6 51.0 76.6
175 4.7 3.9 5.9

