

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022720\
 Data File : VL034712.D
 Acq On : 27 Feb 2020 17:15
 Operator : SY/AP
 Sample : L1662-03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IAS-3-CAFETERIA

Manual Integrations
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 2/28/2020 12:32:51 PM

Quant Time: Feb 28 02:02:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 26 2020
 QLast Update : Wed Feb 26 06:58:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1083721	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2199176	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2186384	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1850600	10.32	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	103887m	0.608	ppbv	
3) Chlorodifluoromethane	2.96	51	37481m	0.320	ppbv	
4) Chloromethane	3.11	50	32808	0.501	ppbv	92
11) Trichlorofluoromethane	3.93	101	36091	0.241	ppbv	89
13) Ethanol	3.58	45	767607	49.702	ppbv	95
15) Acetone	3.84	43	384480	3.113	ppbv	98
19) Isopropyl Alcohol	3.97	45	75362m	1.025	ppbv	
20) Methylene Chloride	4.33	84	61415	1.337	ppbv #	90
26) Hexane	5.70	57	51285	0.509	ppbv #	53
29) Chloroform	5.76	83	16751m	0.104	ppbv	
34) 2-Butanone	5.26	43	23536m	0.170	ppbv	
35) Carbon Tetrachloride	7.03	117	12072m	0.082	ppbv	
36) Benzene	6.91	78	48653	0.256	ppbv #	85
53) Toluene	9.84	91	125499	0.621	ppbv	96
59) m/p-Xylene	13.01	91	101919m	0.442	ppbv	
60) o-Xylene	13.74	91	29070m	0.127	ppbv	

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

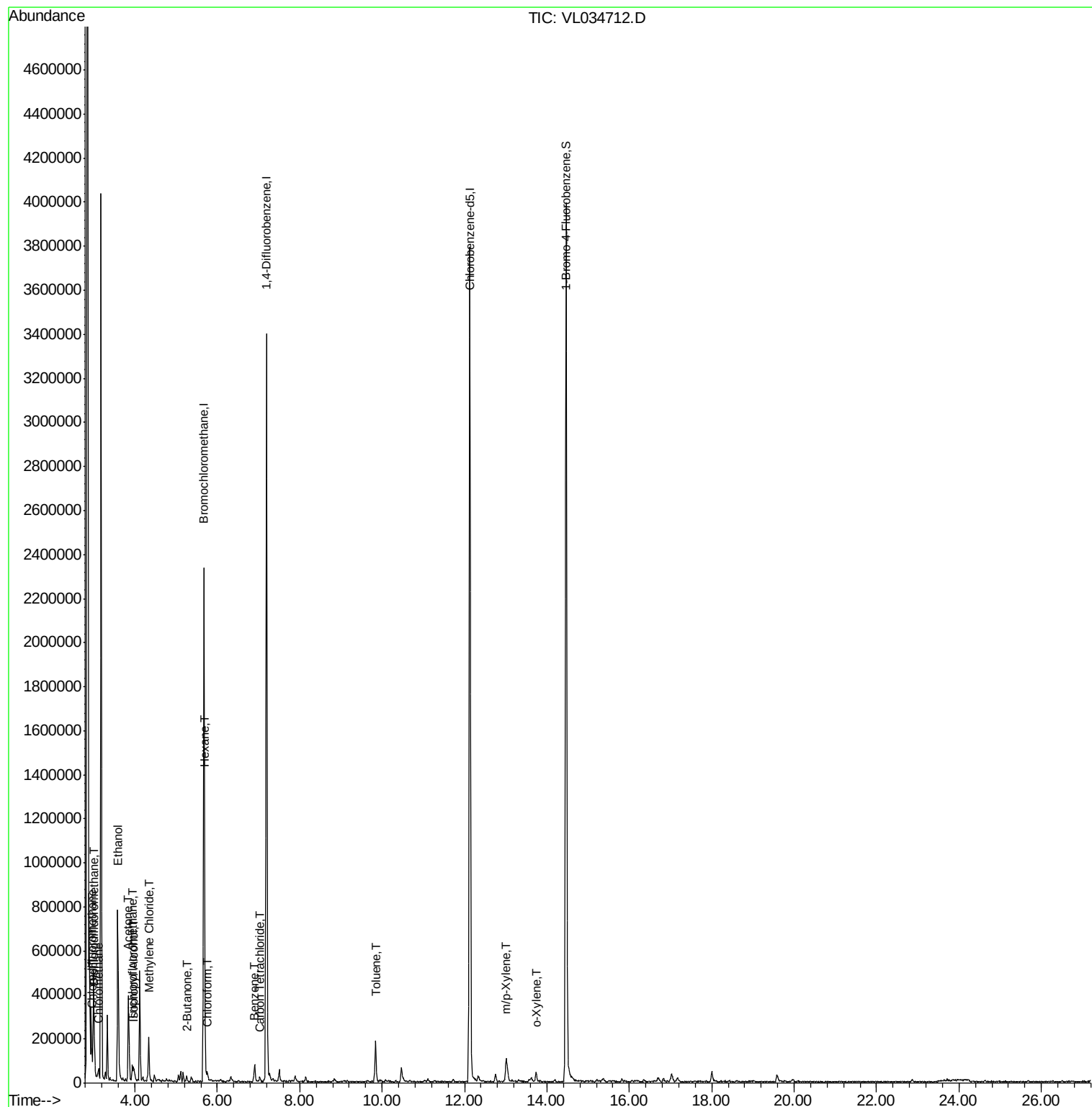
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022720\
Data File : VL034712.D
Acq On : 27 Feb 2020 17:15
Operator : SY/AP
Sample : L1662-03
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

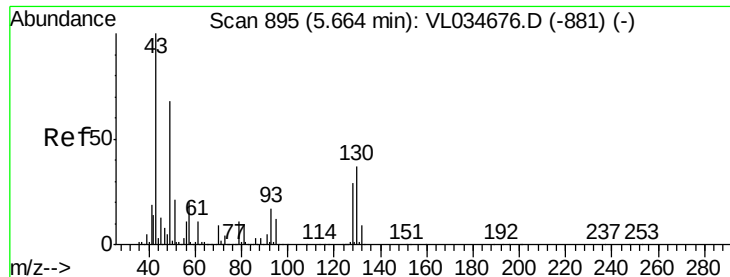
Instrument :
MSVOA_L
ClientSampleId :
IAS-3-CAFETERIA

Manual Integrations
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Quant Time: Feb 28 02:02:57 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb
QLast Update : Wed Feb 26 06:58:15 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.01 min

Lab File: VL034712.D

Acq: 27 Feb 2020 17:15

Instrument :

MSVOA_L

ClientSampleId :

IAS-3-CAFETERIA

Tot Ion: 49 Resp: 1083721

Ion Ratio Lower Upper

49 100

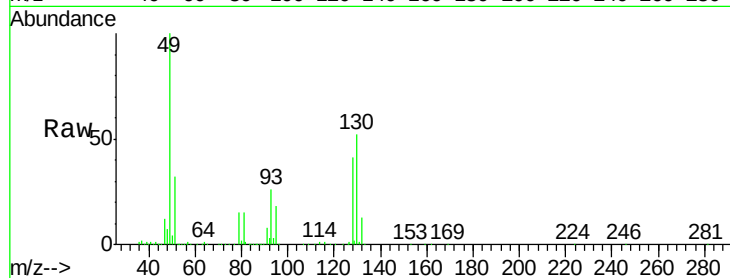
128 43.8 21.6 65.0

130 56.2 27.7 83.1

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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

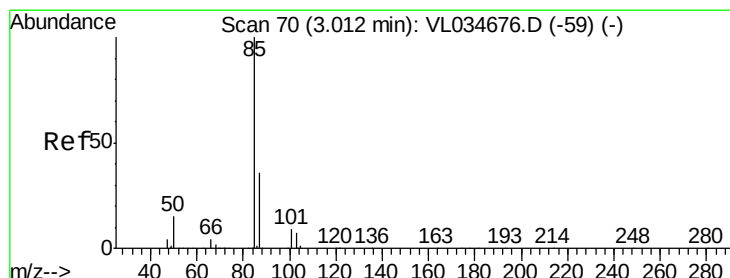
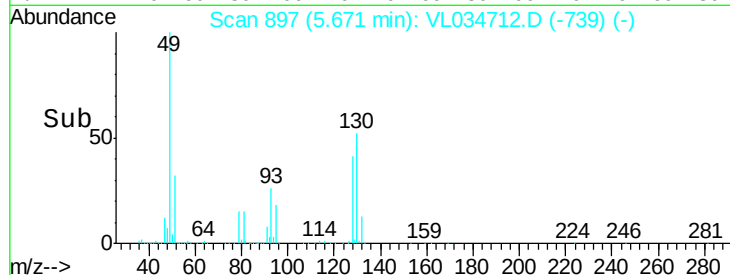
400000

200000

0

5.60 5.65 5.70 5.75

Time-->



#2

Dichlorodifluoromethane

Concen: 0.608 ppbv m

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL034712.D

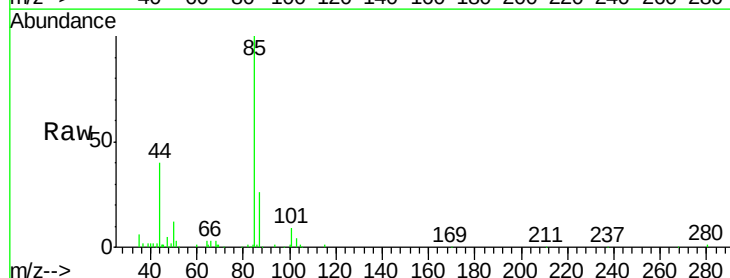
Acq: 27 Feb 2020 17:15

Tgt Ion: 85 Resp: 103887

Ion Ratio Lower Upper

85 100

87 26.5 29.2 43.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

100000

80000

60000

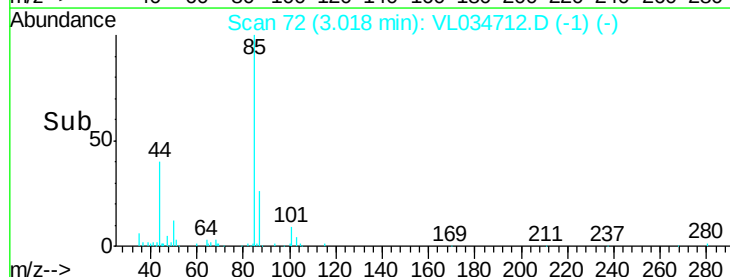
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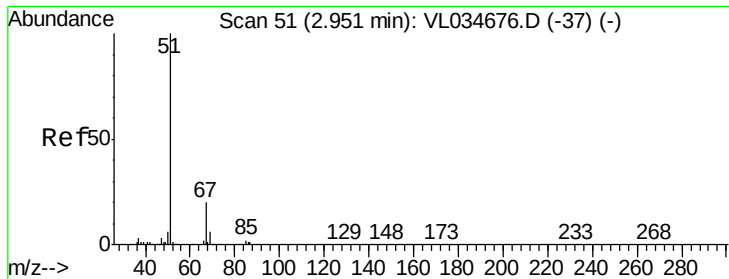
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0

2.98 3.00 3.02 3.04 3.06

Time-->





#3

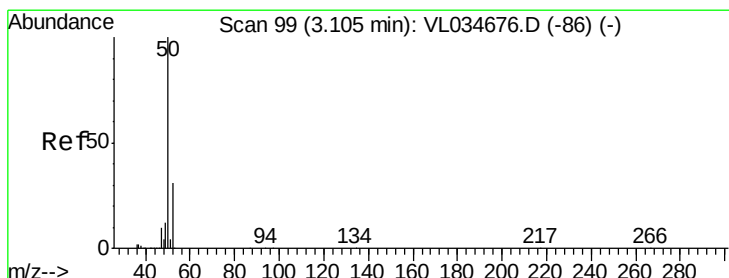
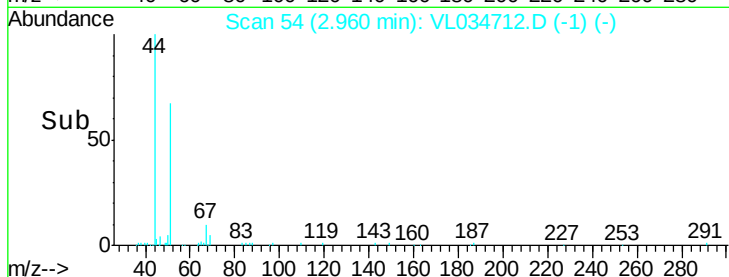
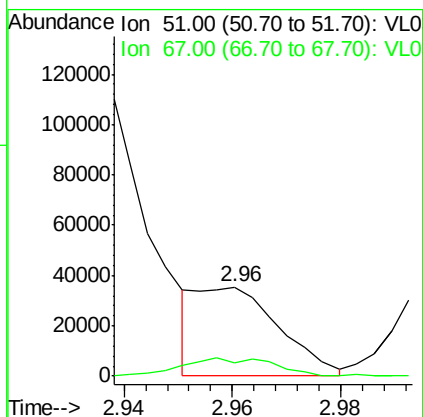
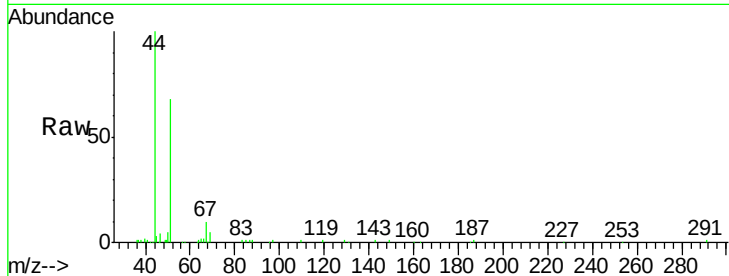
Chlorodifluoromethane
Concen: 0.320 ppbv
RT: 2.96 min Scan# 54
Delta R.T. 0.01 min
Lab File: VL034712.D
Acq: 27 Feb 2020 17:15

Instrument :
MSVOA_L
ClientSampleId :
IAS-3-CAFETERIA

Tot Ion: 51 Resp: 37481
Ion Ratio Lower Upper
51 100
67 23.5 15.5 23.3#

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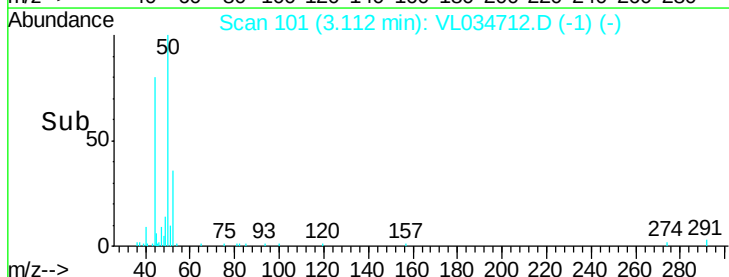
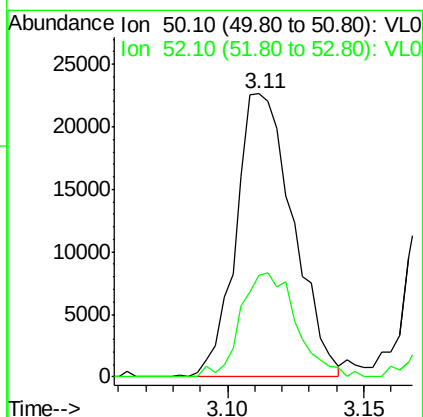
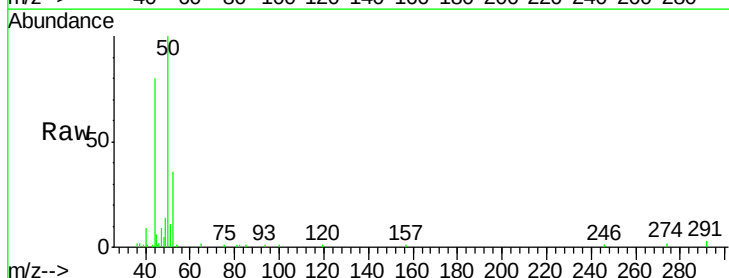
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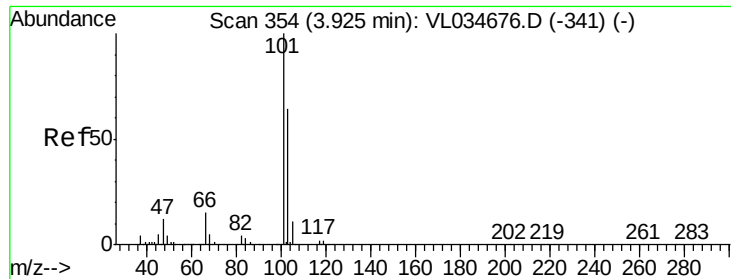


#4

Chloromethane
Concen: 0.501 ppbv
RT: 3.11 min Scan# 101
Delta R.T. 0.01 min
Lab File: VL034712.D
Acq: 27 Feb 2020 17:15

Tgt Ion: 50 Resp: 32808
Ion Ratio Lower Upper
50 100
52 35.8 25.0 37.4





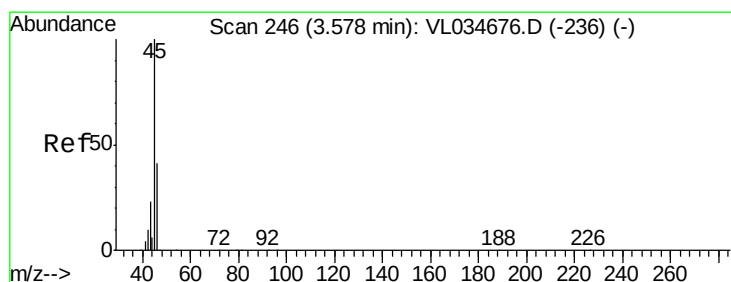
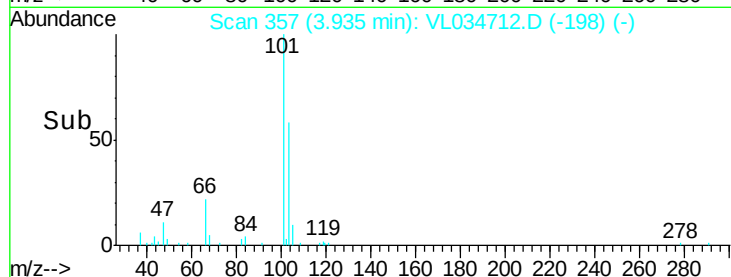
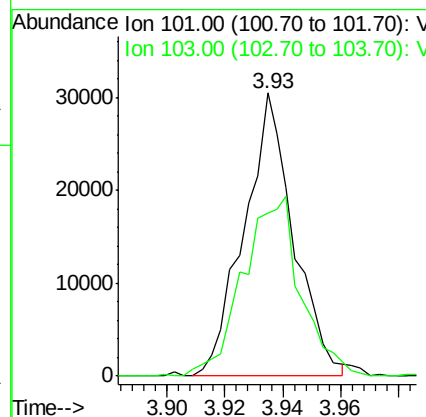
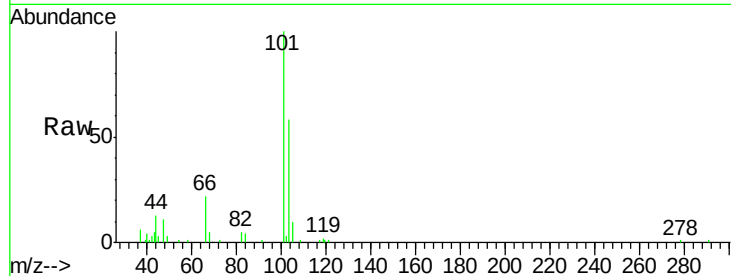
#11
 Trichlorofluoromethane
 Concen: 0.241 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. 0.01 min
 Lab File: VL034712.D
 Acq: 27 Feb 2020 17:15

Instrument :
 MSVOA_L
 ClientSampleId :
 IAS-3-CAFETERIA

Tot Ion	Ratio	Lower	Upper
101	100		
103	55.0	51.2	76.8

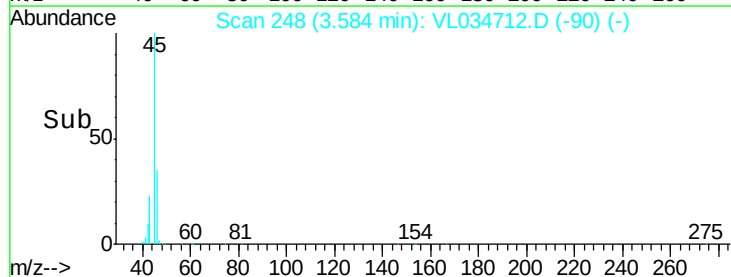
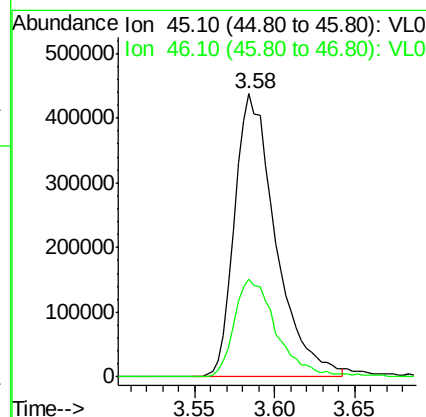
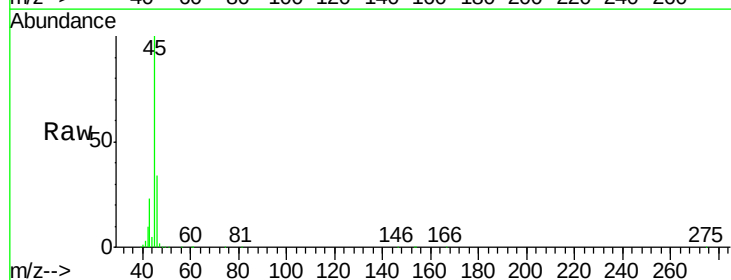
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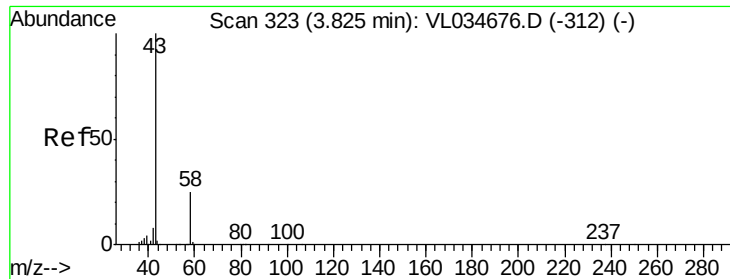
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#13
 Ethanol
 Concen: 49.702 ppbv
 RT: 3.58 min Scan# 248
 Delta R.T. 0.01 min
 Lab File: VL034712.D
 Acq: 27 Feb 2020 17:15

Tgt Ion	Ratio	Lower	Upper
45	100		
46	35.6	15.4	61.4





#15

Acetone

Concen: 3.113 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.01 min

Lab File: VL034712.D

Acq: 27 Feb 2020 17:15

Instrument :

MSVOA_L

ClientSampleId :

IAS-3-CAFETERIA

Tot Ion: 43 Resp: 384480

Ion Ratio Lower Upper

43 100

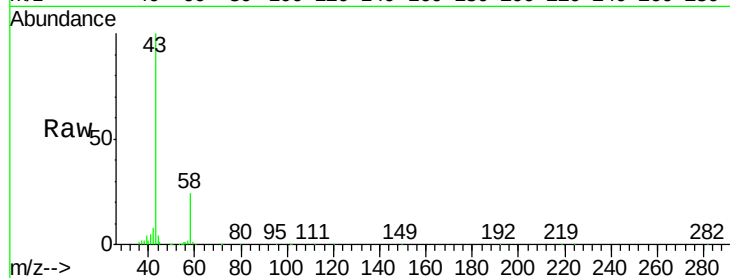
58 25.7 21.4 32.0

Manual Integrations

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

250000

200000

150000

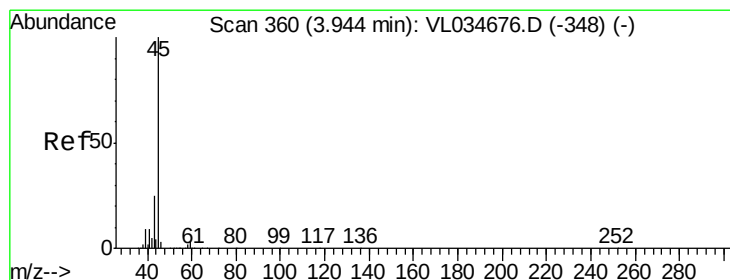
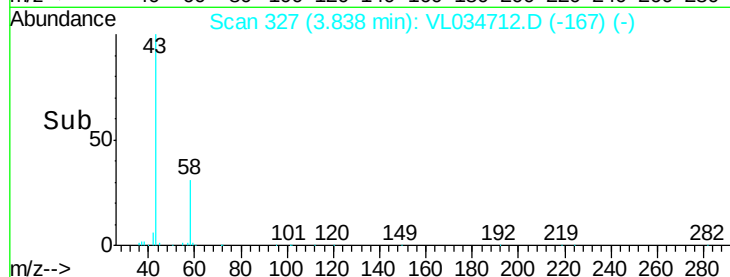
100000

50000

0

3.80 3.85 3.90

Time-->



#19

Isopropyl Alcohol

Concen: 1.025 ppbv m

RT: 3.97 min Scan# 368

Delta R.T. 0.03 min

Lab File: VL034712.D

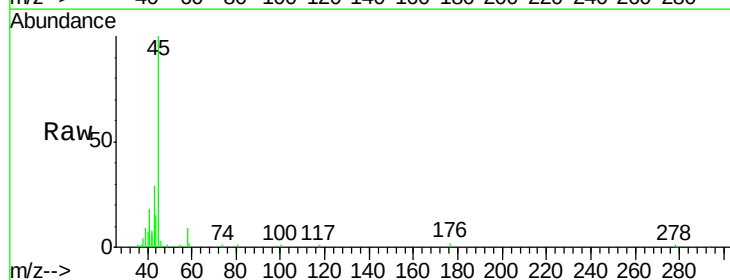
Acq: 27 Feb 2020 17:15

Tgt Ion: 45 Resp: 75362

Ion Ratio Lower Upper

45 100

58 6.7 1.8 2.6#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

40000

30000

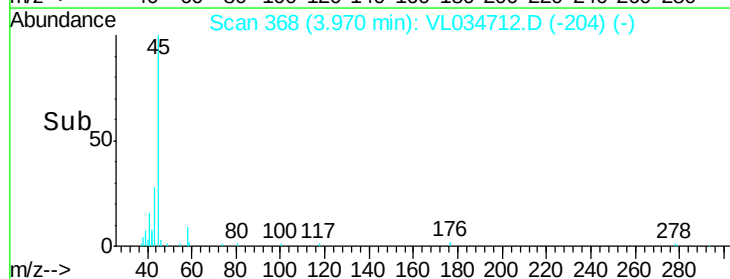
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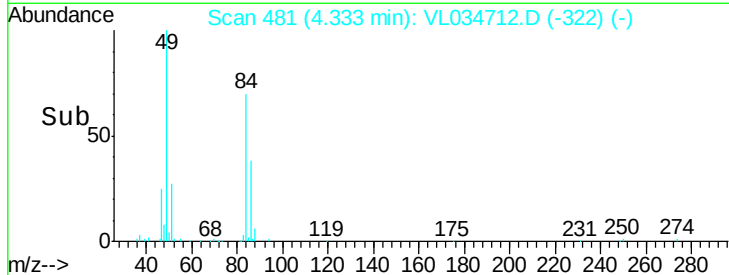
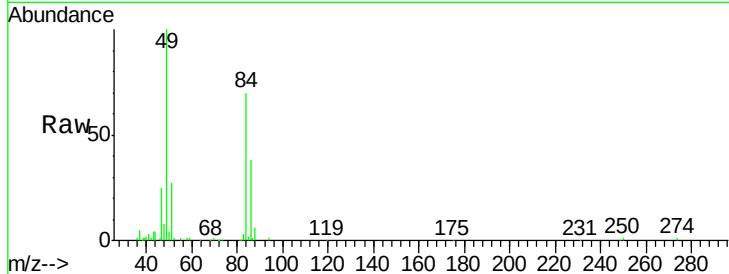
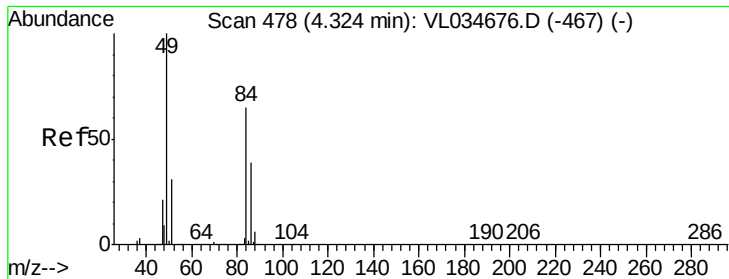
10000

0

3.90 3.95 4.00

Time-->





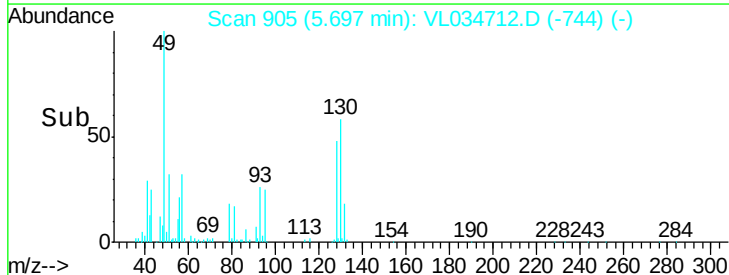
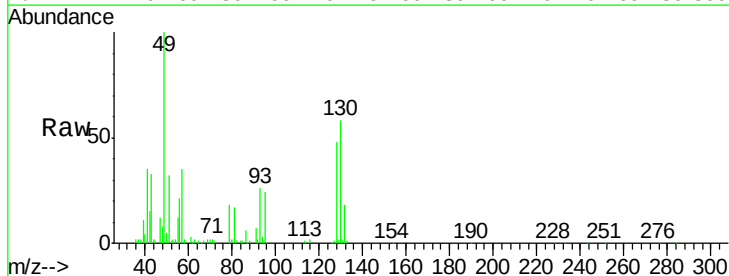
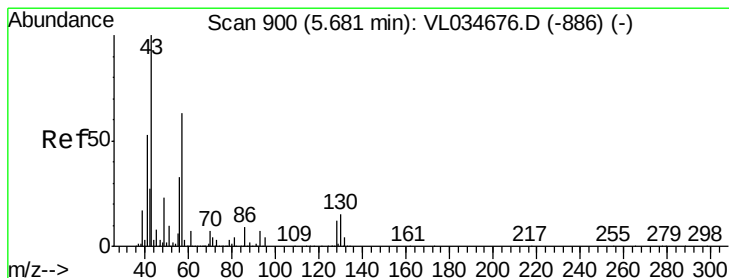
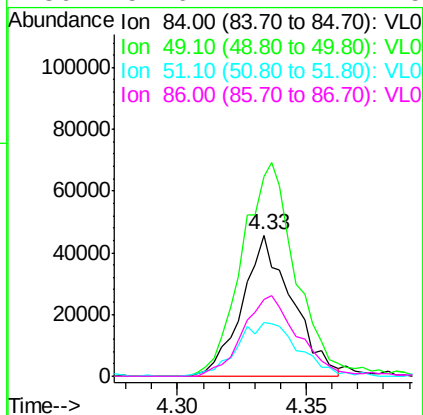
#20
Methvlene Chloride
Concen: 1.337 ppbv
RT: 4.33 min Scan# 481
Delta R.T. 0.01 min
Lab File: VL034712.D
Acq: 27 Feb 2020 17:15

Tot Ion:	84	Resp:	61415
Ion	Ratio	Lower	Upper
84	100		
49	141.6	122.8	184.2
51	37.0	38.6	58.0#
86	54.6	47.7	71.5

Instrument :
MSVOA_L
ClientSampleId :
IAS-3-CAFETERIA

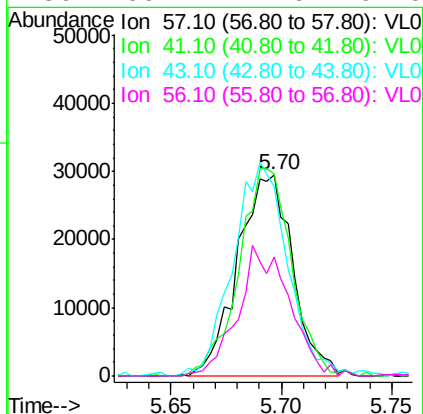
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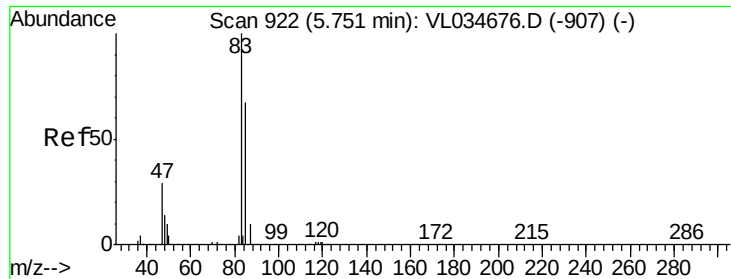
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#26
Hexane
Concen: 0.509 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.02 min
Lab File: VL034712.D
Acq: 27 Feb 2020 17:15

Tgt Ion:	57	Resp:	51285
Ion	Ratio	Lower	Upper
57	100		
41	99.4	70.3	105.5
43	108.2	177.0	265.4#
56	60.1	42.6	64.0





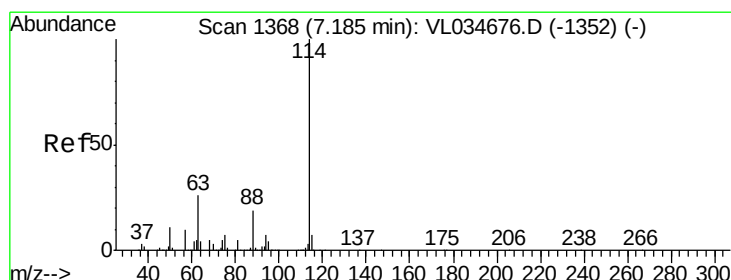
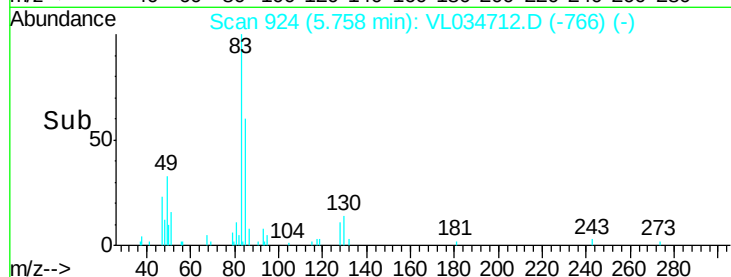
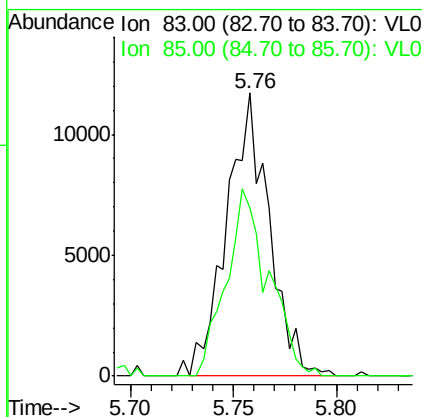
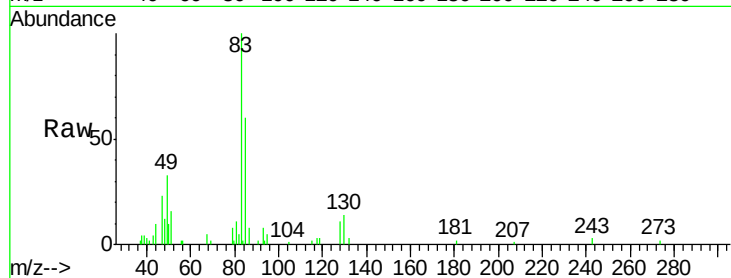
#29
Chloroform
Concen: 0.104 ppbv m
RT: 5.76 min Scan# 924
Delta R.T. 0.01 min
Lab File: VL034712.D
Acq: 27 Feb 2020 17:15

Instrument :
MSVOA_L
ClientSampleId :
IAS-3-CAFETERIA

Tot Ion	83	Resp	16751
Ion Ratio	100	Lower	Upper
83	100		
85	59.6	53.9	80.9

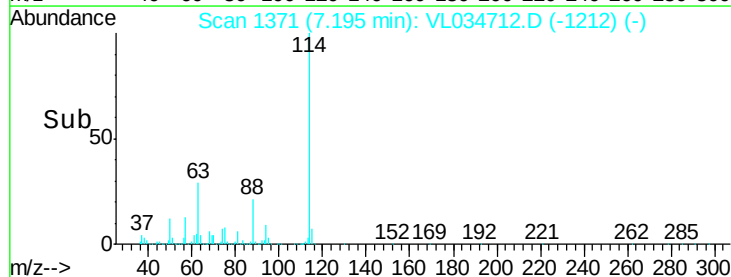
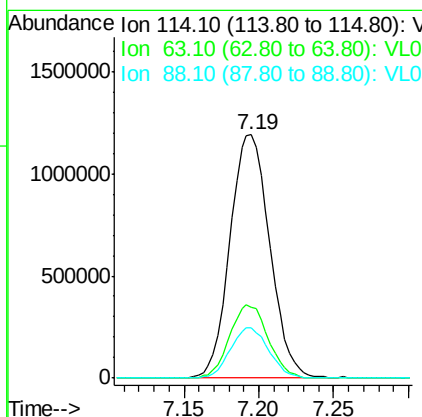
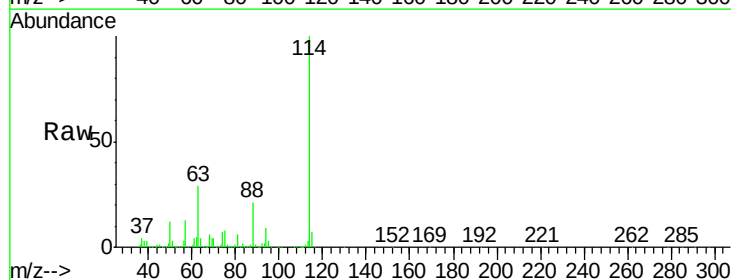
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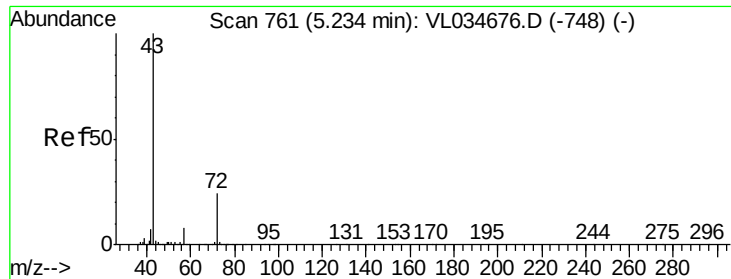
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1371
Delta R.T. 0.01 min
Lab File: VL034712.D
Acq: 27 Feb 2020 17:15

Tgt Ion	114	Resp	2199176
Ion Ratio	100	Lower	Upper
114	100		
63	29.5	22.9	34.3
88	20.1	15.8	23.6





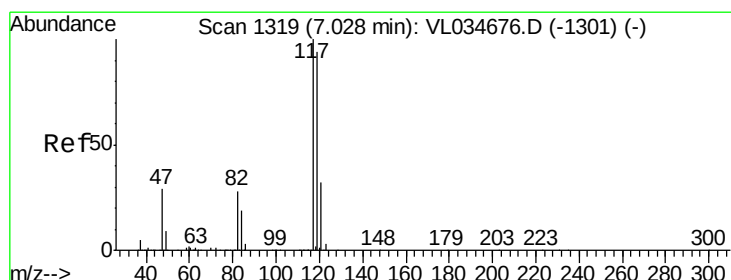
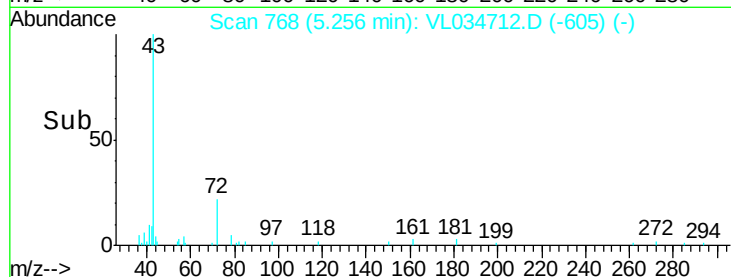
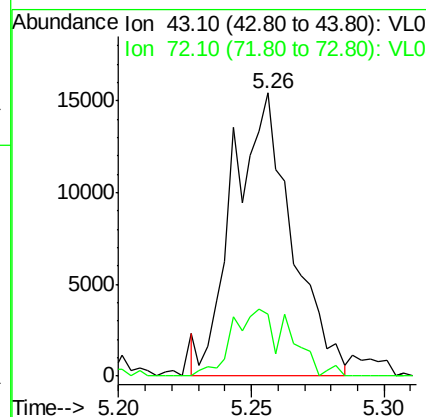
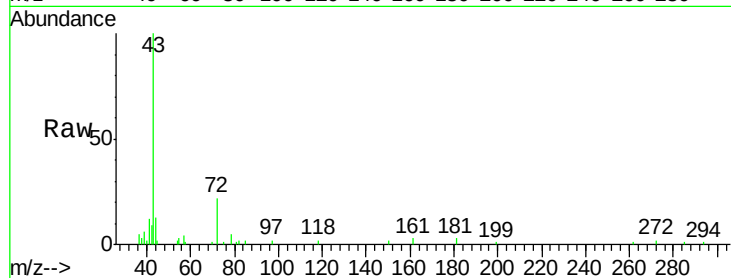
#34
2-Butanone
Concen: 0.170 ppbv m
RT: 5.26 min Scan# 768
Delta R.T. 0.02 min
Lab File: VL034712.D
Acq: 27 Feb 2020 17:15

Instrument :
MSVOA_L
ClientSampleId :
IAS-3-CAFETERIA

Tot Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.2	27.2#

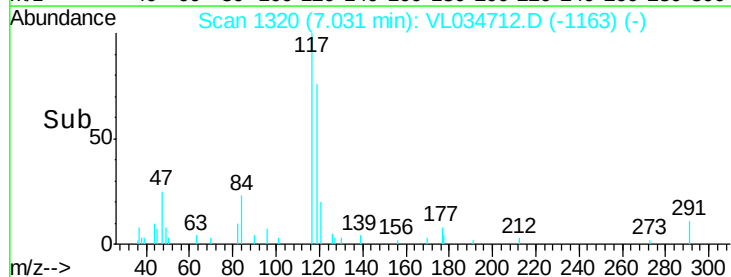
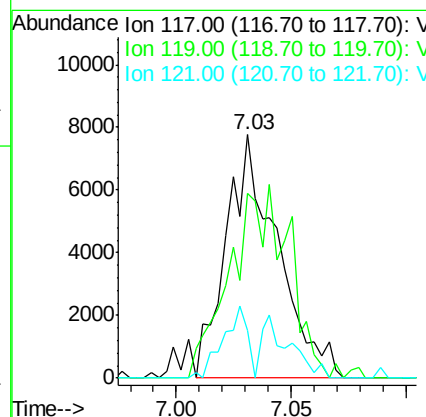
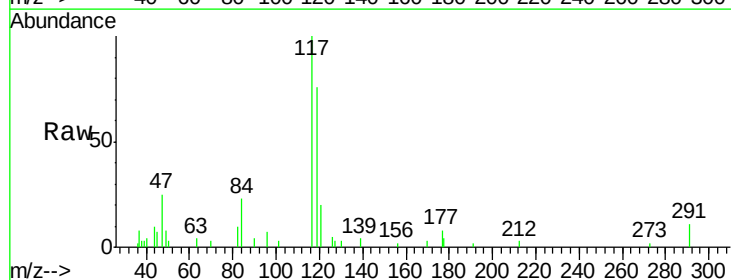
Manual Integrations
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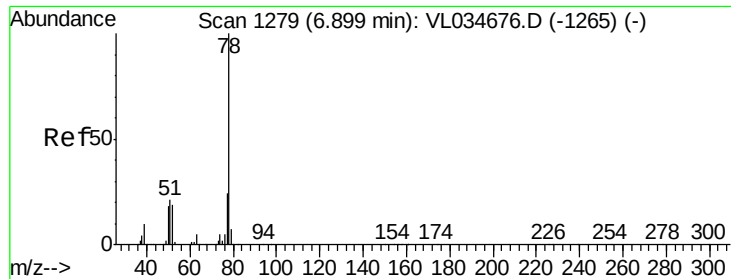
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#35
Carbon Tetrachloride
Concen: 0.082 ppbv m
RT: 7.03 min Scan# 1320
Delta R.T. 0.00 min
Lab File: VL034712.D
Acq: 27 Feb 2020 17:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	76.0	75.5	113.3
121	19.6	25.4	38.0#





#36

Benzene

Concen: 0.256 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VL034712.D

Acq: 27 Feb 2020 17:15

Instrument :

MSVOA_L

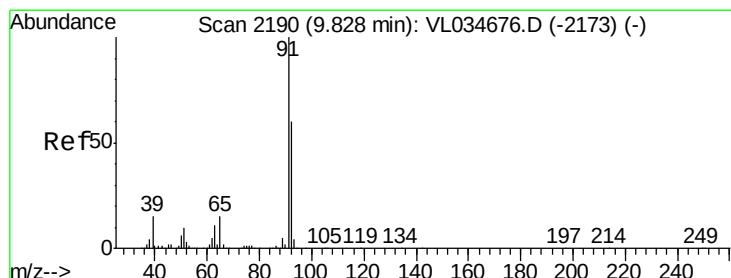
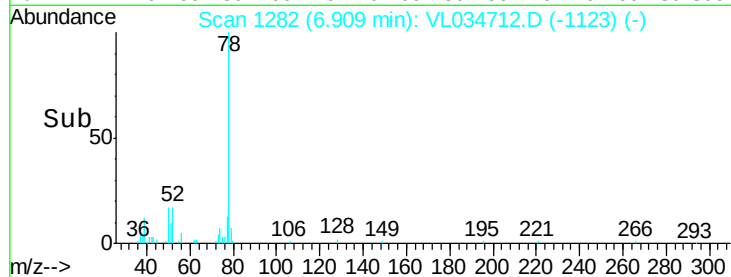
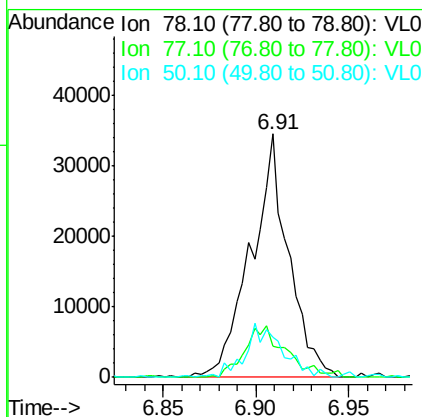
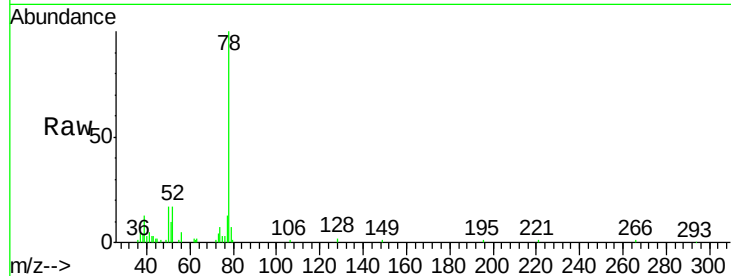
ClientSampleId :

IAS-3-CAFETERIA

Tot Ion:	78	Resp:	48653
Ion	Ratio	Lower	Upper
78	100		
77	12.9	19.5	29.3#
50	16.6	14.6	21.8

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#53

Toluene

Concen: 0.621 ppbv

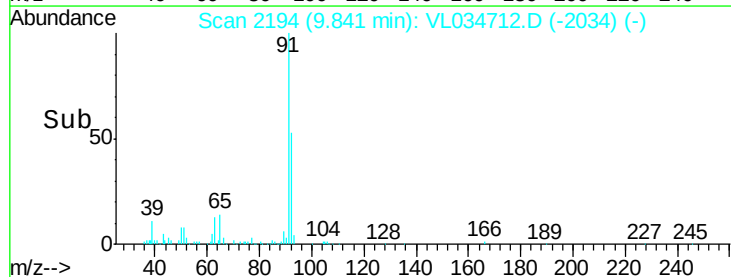
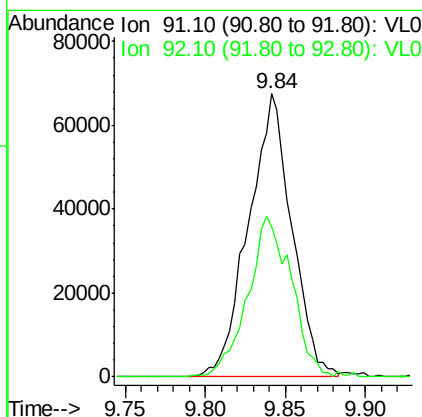
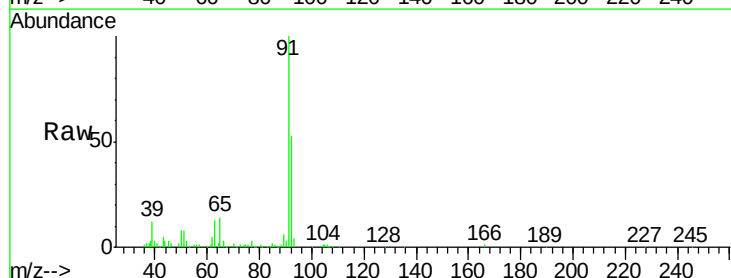
RT: 9.84 min Scan# 2194

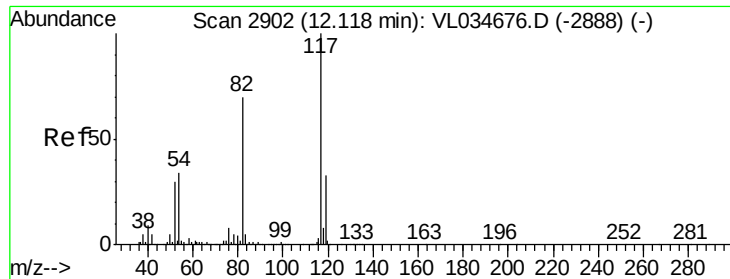
Delta R.T. 0.01 min

Lab File: VL034712.D

Acq: 27 Feb 2020 17:15

Tgt Ion:	91	Resp:	125499
Ion	Ratio	Lower	Upper
91	100		
92	57.4	48.5	72.7





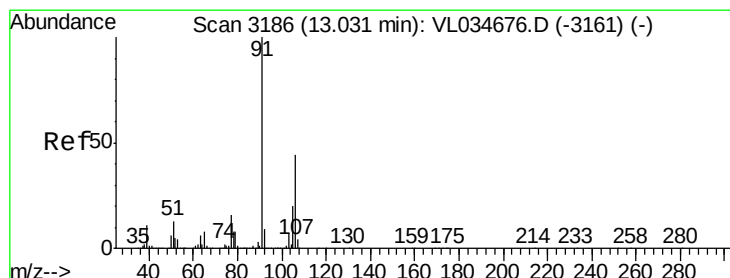
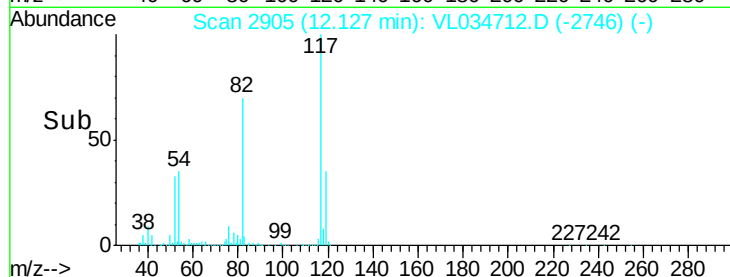
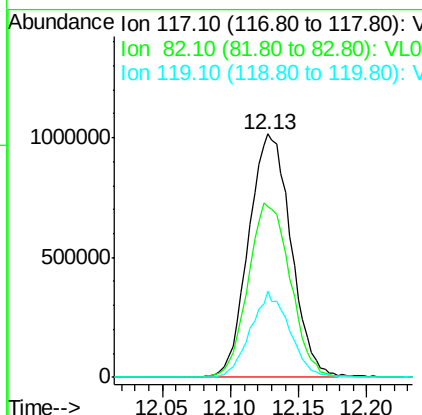
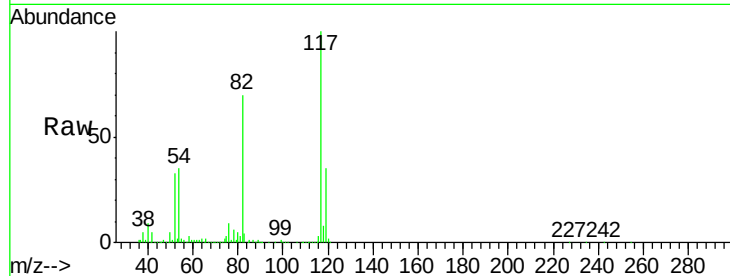
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. 0.01 min
Lab File: VL034712.D
Acq: 27 Feb 2020 17:15

Instrument :
MSVOA_L
ClientSampleId :
IAS-3-CAFETERIA

Tot Ion:117 Resp: 2186384
Ion Ratio Lower Upper
117 100
82 72.3 54.1 81.1
119 32.5 27.6 41.4

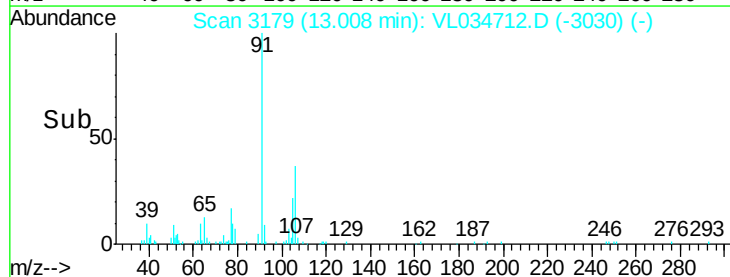
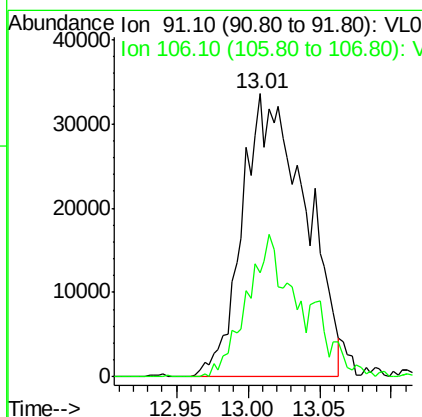
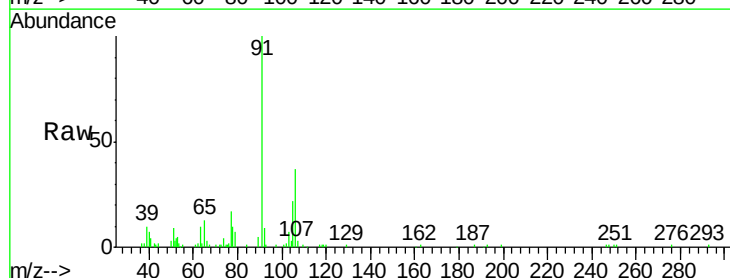
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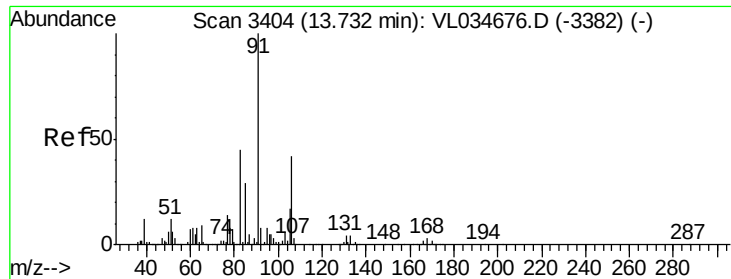
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#59
m/p-Xylene
Concen: 0.442 ppbv m
RT: 13.01 min Scan# 3179
Delta R.T. -0.02 min
Lab File: VL034712.D
Acq: 27 Feb 2020 17:15

Tgt Ion: 91 Resp: 101919
Ion Ratio Lower Upper
91 100
106 0.0 35.6 53.4#





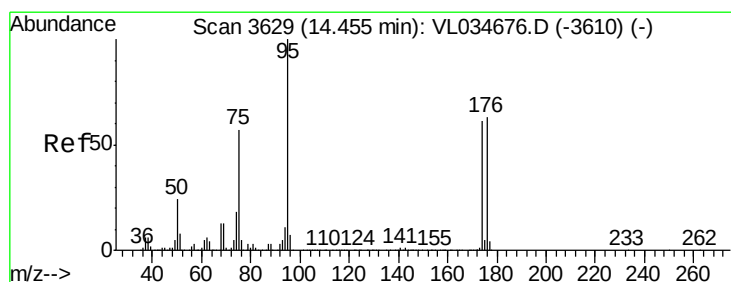
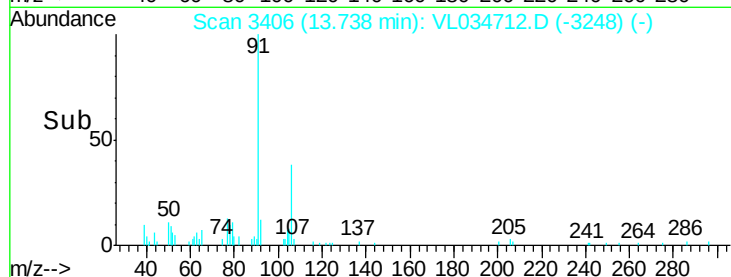
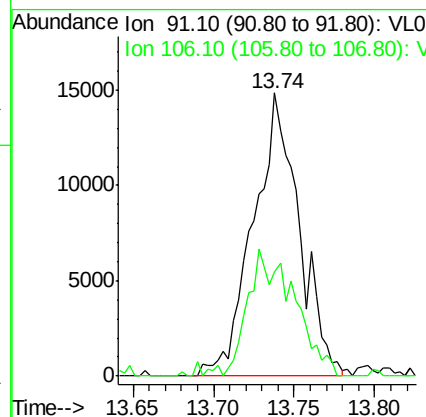
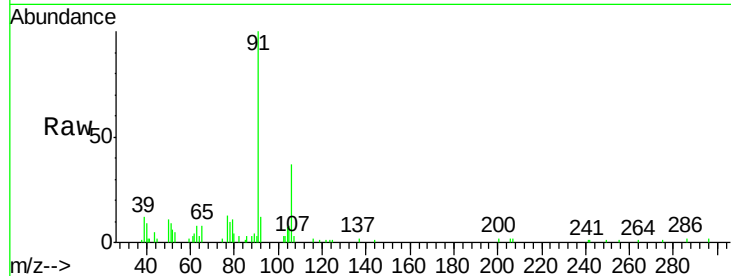
#60
o-Xylene
Concen: 0.127 ppbv m
RT: 13.74 min Scan# 3406
Delta R.T. 0.01 min
Lab File: VL034712.D
Acq: 27 Feb 2020 17:15

Instrument :
MSVOA_L
ClientSampleId :
IAS-3-CAFETERIA

Tot Ion: 91 Resp: 29070
Ion Ratio Lower Upper
91 100
106 46.9 21.9 65.5

Manual Integrations
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MMDadoda
2/28/2020 12:32:51 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.323 ppbv
RT: 14.46 min Scan# 3631
Delta R.T. 0.01 min
Lab File: VL034712.D
Acq: 27 Feb 2020 17:15

Tgt Ion: 95 Resp: 1850600
Ion Ratio Lower Upper
95 100
174 63.2 50.7 76.1
175 4.6 3.9 5.9

