

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030320\
 Data File : VL034763.D
 Acq On : 3 Mar 2020 14:29
 Operator : SY/AP
 Sample : L1704-03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-3-4

Manual Integrations
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 3/4/2020 4:49:04 PM

Quant Time: Mar 04 06:35:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 2020
 QLast Update : Fri Feb 28 01:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	930575	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.21	114	1934272	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.14	117	1801540	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1576460	10.67	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	64672	0.441	ppbv #	84
3) Chlorodifluoromethane	2.96	51	34312m	0.342	ppbv	
4) Chloromethane	3.11	50	46731	0.831	ppbv	91
9) Propene	3.00	41	926786m	22.077	ppbv	
11) Trichlorofluoromethane	3.94	101	34914	0.272	ppbv	96
13) Ethanol	3.60	45	394742	29.766	ppbv	95
15) Acetone	3.84	43	9752793	91.973	ppbv #	69
20) Methylene Chloride	4.35	84	61706	1.565	ppbv #	93

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

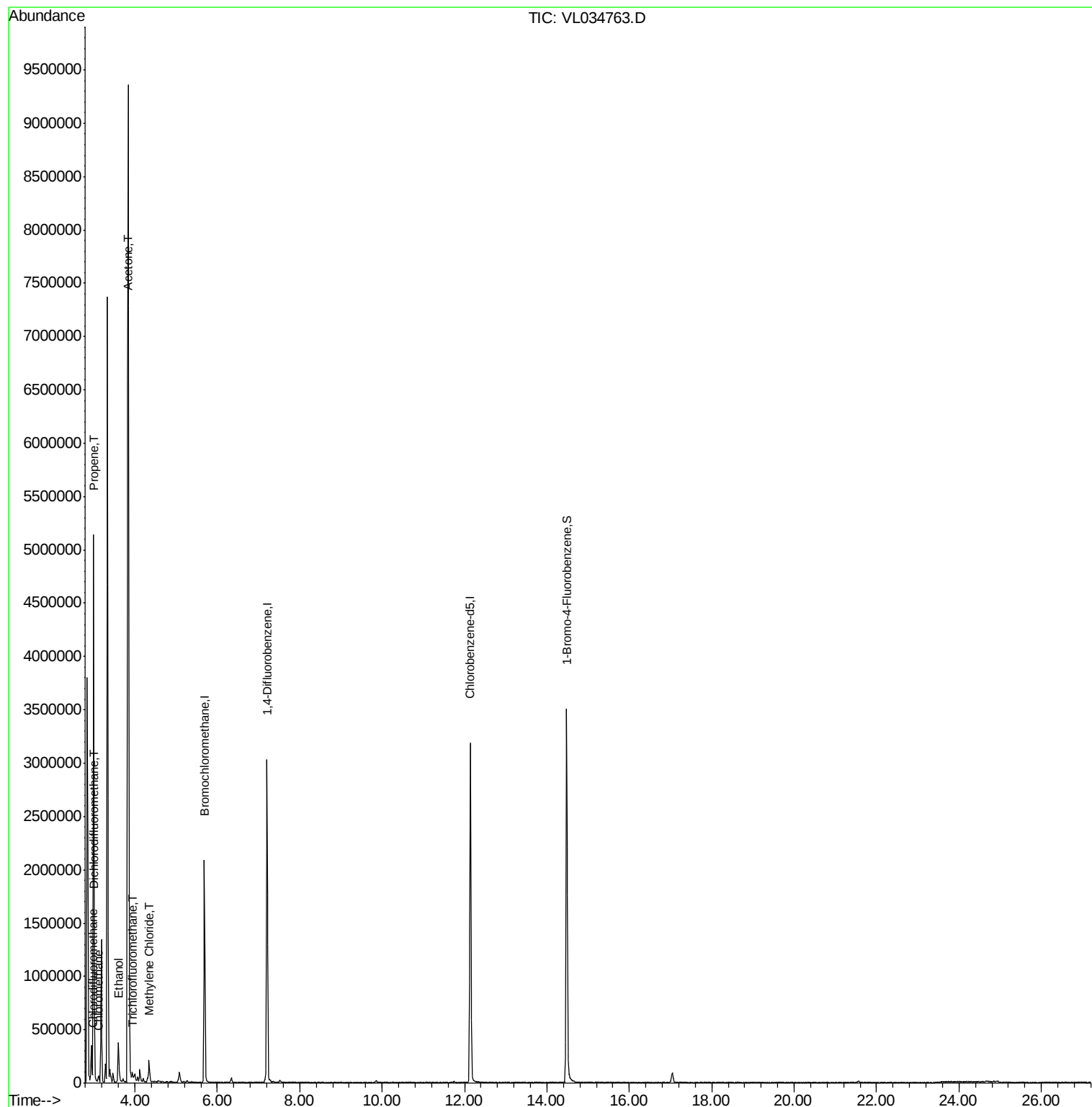
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Data File : VL034763.D
Acq On : 3 Mar 2020 14:29
Operator : SY/AP
Sample : L1704-03
Misc : 400ml/MSVOA L
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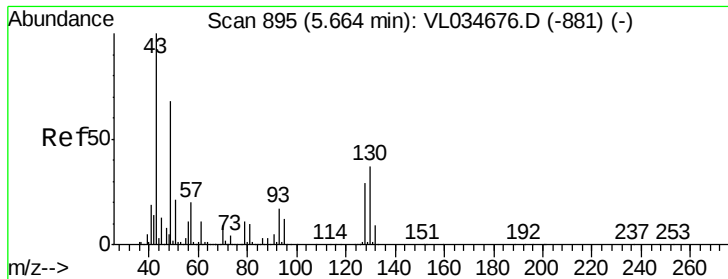
Instrument :
MSVOA_L
ClientSampleId :
IA-3-4

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
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QLast Update : Fri Feb 28 01:15:02 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.03 min

Lab File: VL034763.D

Acq: 3 Mar 2020 14:29

Instrument :

MSVOA_L

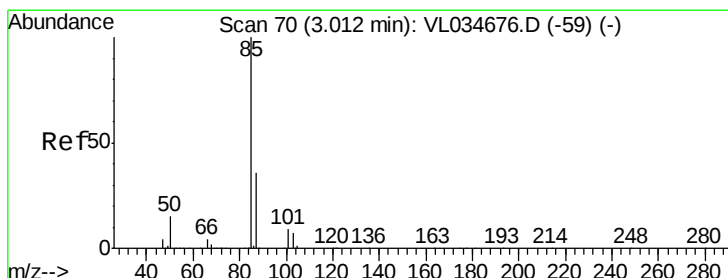
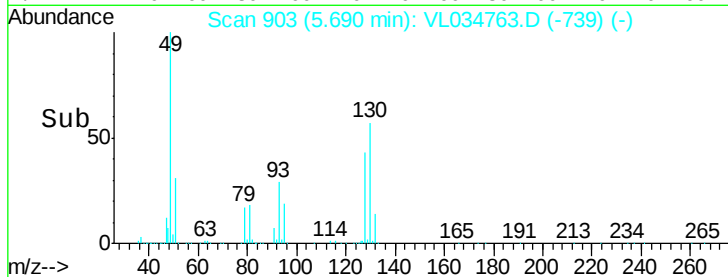
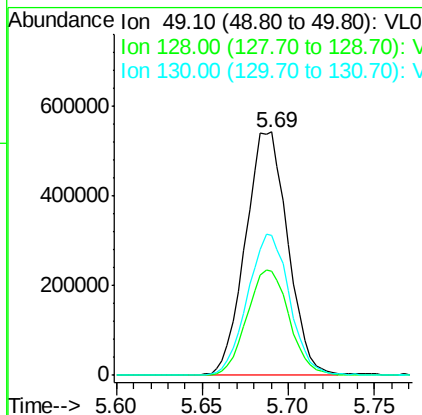
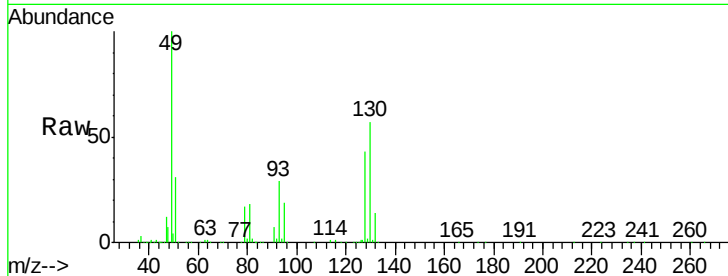
ClientSampled :

IA-3-4

Tot Ion:	49	Resp:	930575
Ion Ratio	Lower	Upper	
49	100		
128	43.3	21.6	65.0
130	57.8	27.7	83.1

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#2

Dichlorodifluoromethane

Concen: 0.441 ppbv

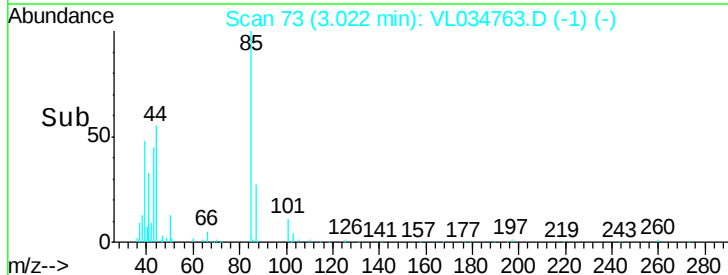
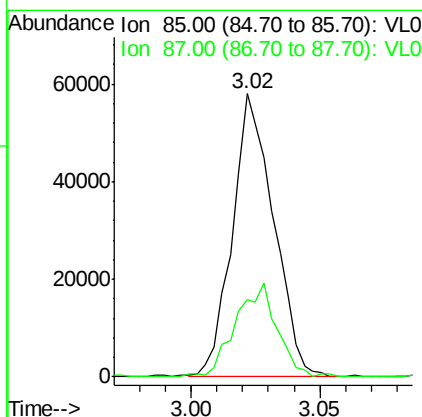
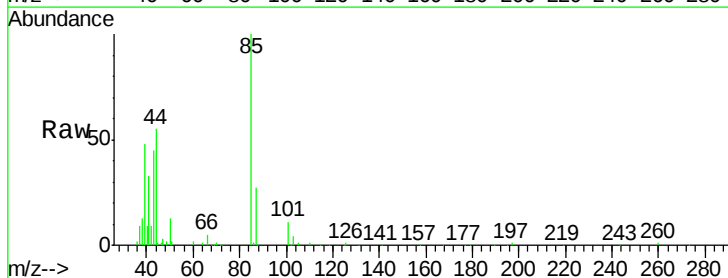
RT: 3.02 min Scan# 73

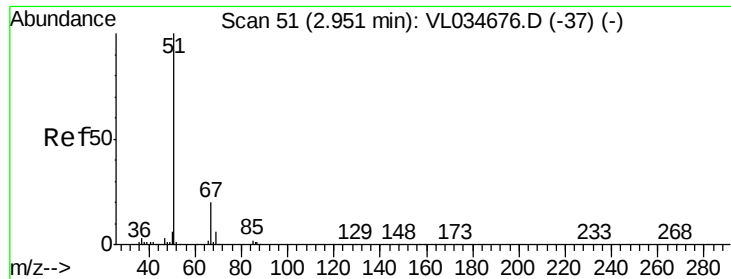
Delta R.T. 0.01 min

Lab File: VL034763.D

Acq: 3 Mar 2020 14:29

Tgt Ion:	85	Resp:	64672
Ion Ratio	Lower	Upper	
85	100		
87	27.2	29.2	43.8#





#3

Chlorodifluoromethane

Concen: 0.342 ppbv

RT: 2.96 min Scan# 55

Delta R.T. 0.01 min

Lab File: VL034763.D

Acq: 3 Mar 2020 14:29

Instrument :

MSVOA_L

ClientSampled :

IA-3-4

Tot Ion: 51 Resp: 34312

Ion Ratio Lower Upper

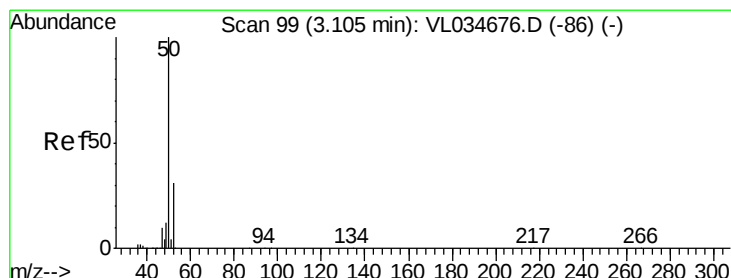
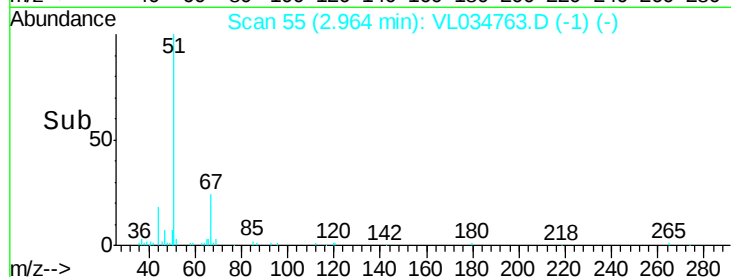
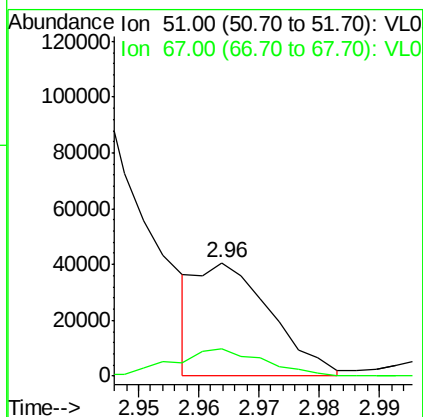
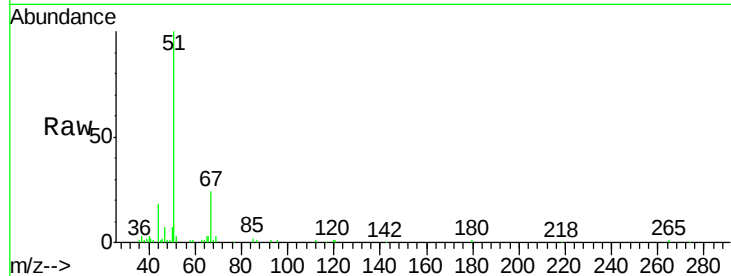
51 100

67 30.5 15.5 23.3#

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#4

Chloromethane

Concen: 0.831 ppbv

RT: 3.11 min Scan# 102

Delta R.T. 0.01 min

Lab File: VL034763.D

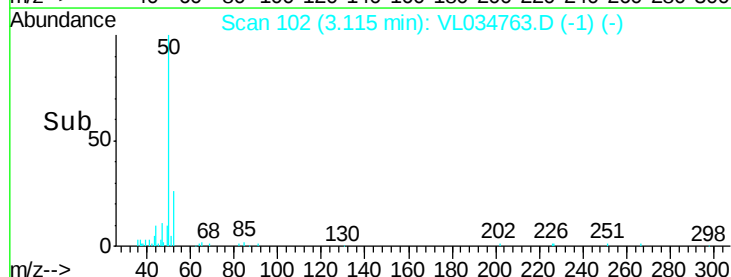
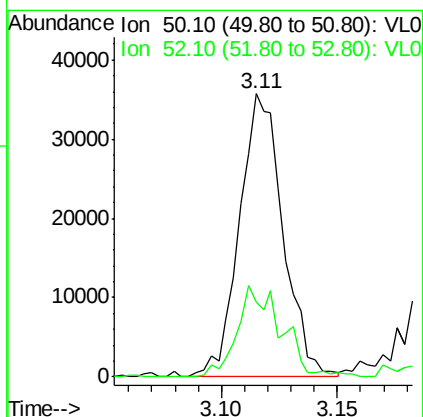
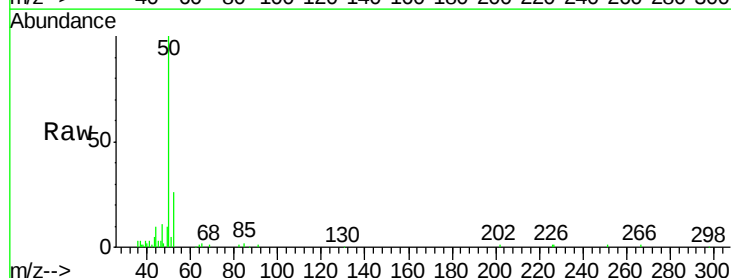
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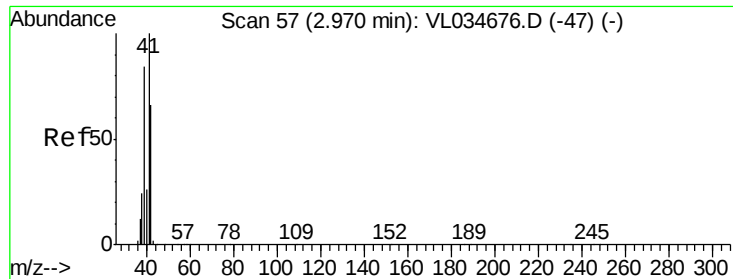
Tgt Ion: 50 Resp: 46731

Ion Ratio Lower Upper

50 100

52 26.2 25.0 37.4





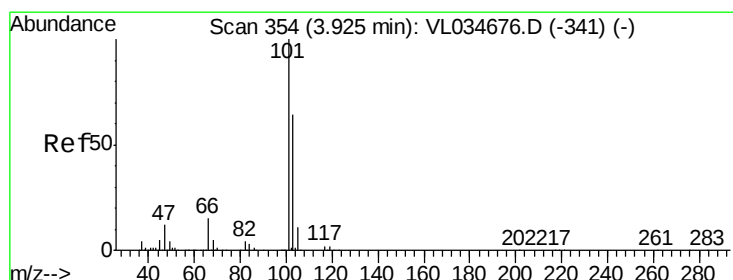
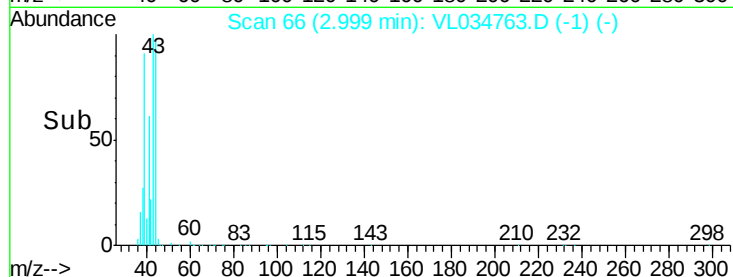
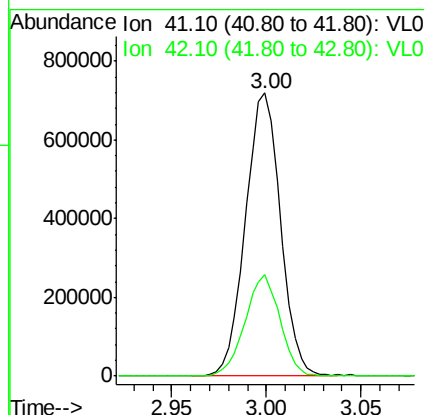
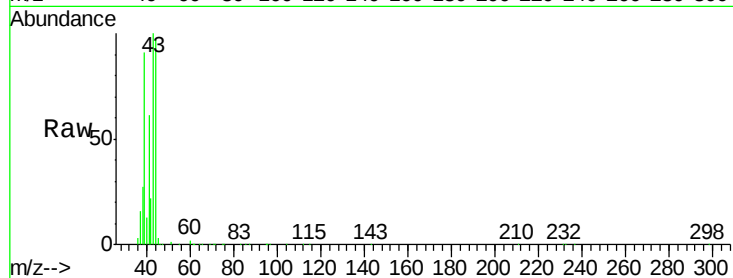
#9
 Propene
 Concen: 22.077 ppbv m
 RT: 3.00 min Scan# 66
 Delta R.T. 0.03 min
 Lab File: VL034763.D
 Acq: 3 Mar 2020 14:29

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-3-4

Tot Ion: 41 Resp: 926786
 Ion Ratio Lower Upper
 41 100
 42 24.6 54.9 82.3#

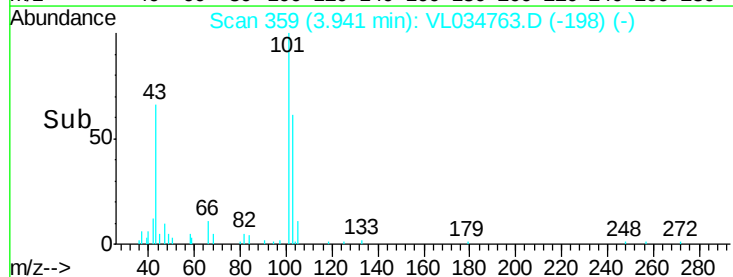
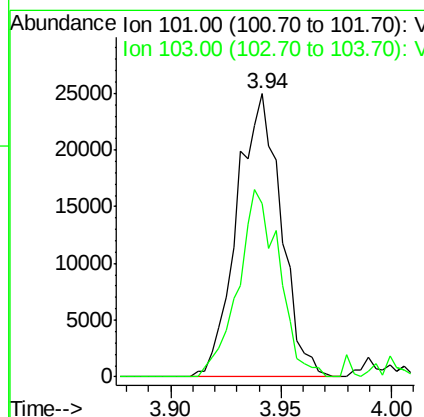
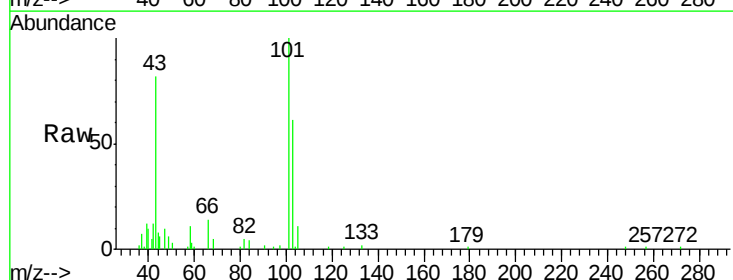
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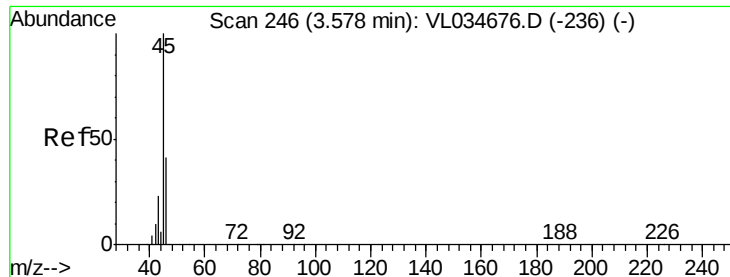
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#11
 Trichlorofluoromethane
 Concen: 0.272 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. 0.02 min
 Lab File: VL034763.D
 Acq: 3 Mar 2020 14:29

Tgt Ion: 101 Resp: 34914
 Ion Ratio Lower Upper
 101 100
 103 61.1 51.2 76.8





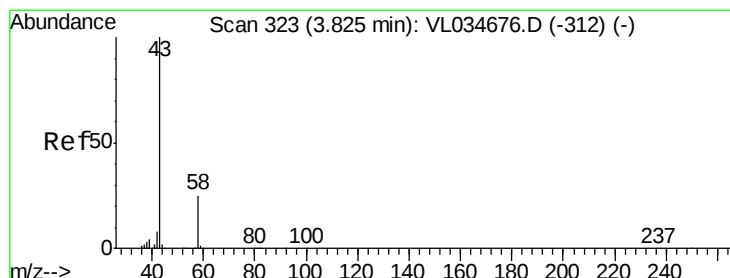
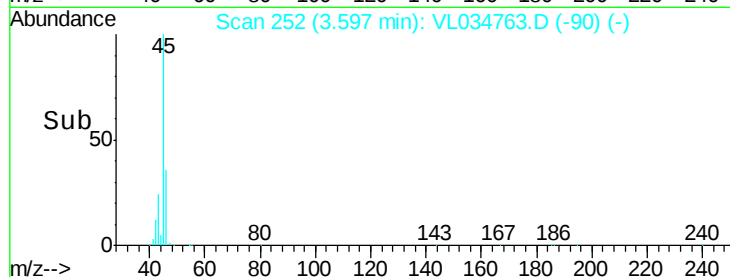
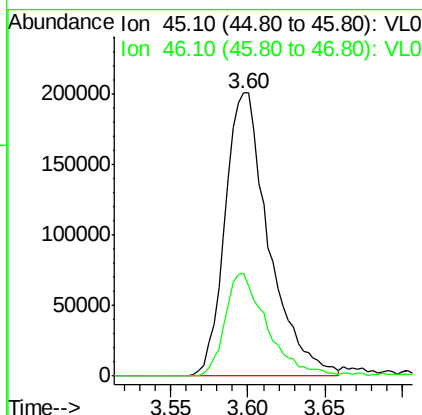
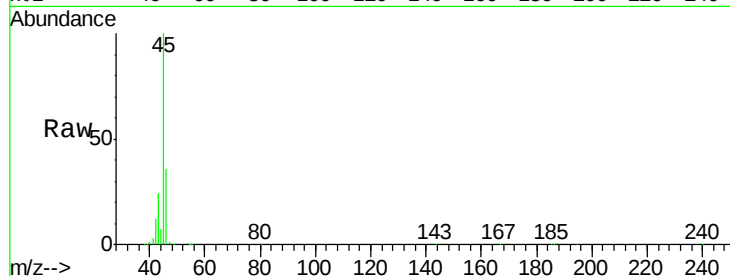
#13
Ethanol
Concen: 29.766 ppbv
RT: 3.60 min Scan# 252
Delta R.T. 0.02 min
Lab File: VL034763.D
Acq: 3 Mar 2020 14:29

Instrument :
MSVOA_L
ClientSampleId :
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Tot Ion: 45 Resp: 394742
Ion Ratio Lower Upper
45 100
46 35.4 15.4 61.4

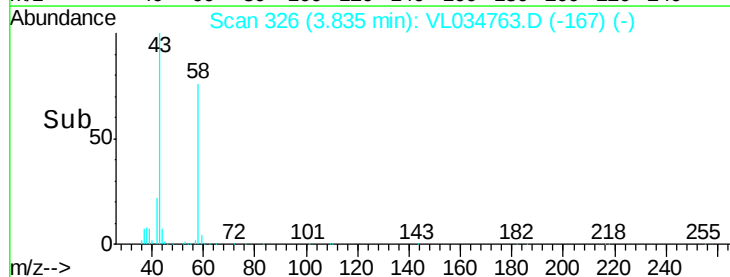
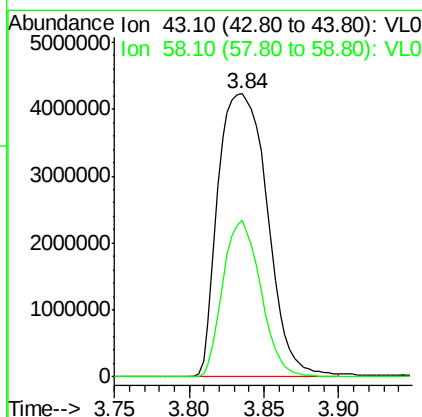
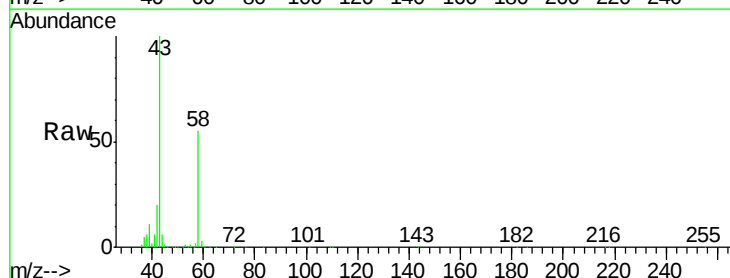
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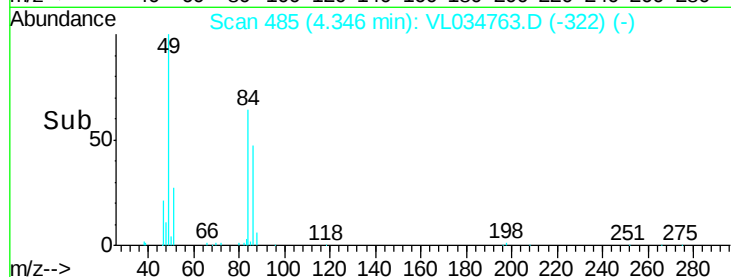
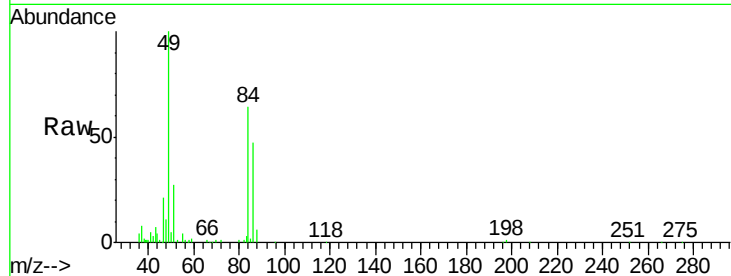
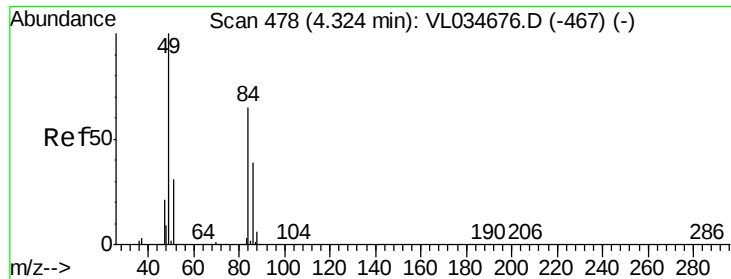
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#15
Acetone
Concen: 91.973 ppbv
RT: 3.84 min Scan# 326
Delta R.T. 0.01 min
Lab File: VL034763.D
Acq: 3 Mar 2020 14:29

Tgt Ion: 43 Resp: 9752793
Ion Ratio Lower Upper
43 100
58 42.7 21.4 32.0#





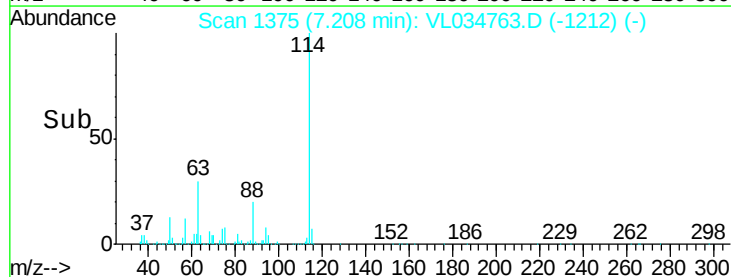
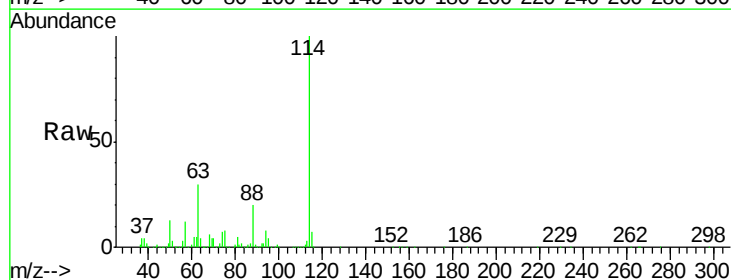
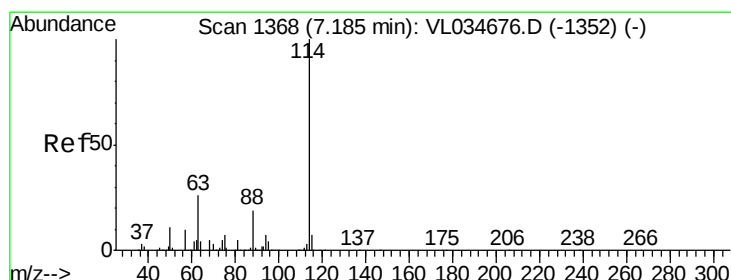
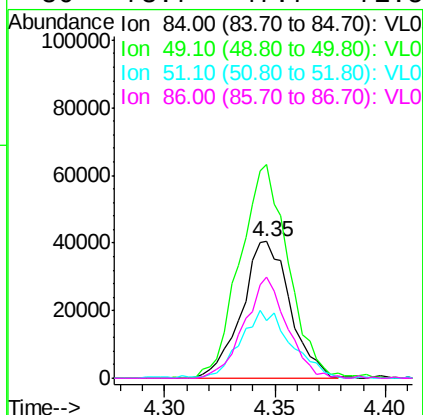
#20
Methvlene Chloride
Concen: 1.565 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.02 min
Lab File: VL034763.D
Acq: 3 Mar 2020 14:29

Tot Ion	84	Resp	61706
Ion Ratio	Lower	Upper	
84	100		
49	156.0	122.8	184.2
51	41.3	38.6	58.0
86	73.7	47.7	71.5#

Instrument :
MSVOA_L
ClientSampled :
IA-3-4

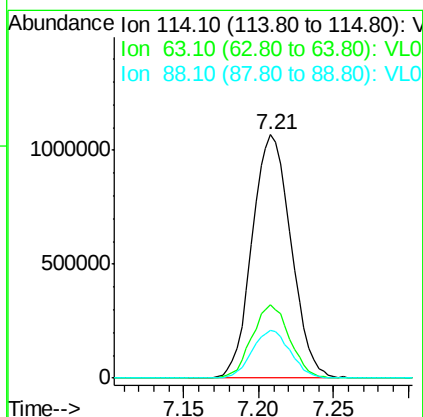
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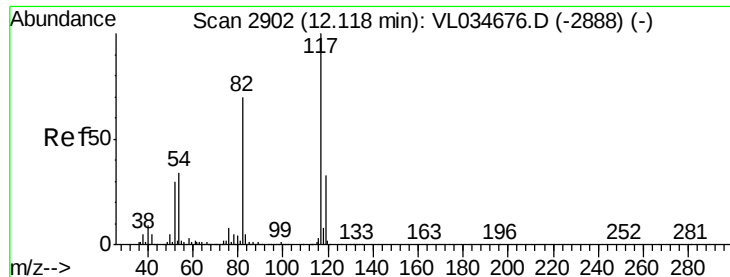
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1375
Delta R.T. 0.02 min
Lab File: VL034763.D
Acq: 3 Mar 2020 14:29

Tgt Ion	114	Resp	1934272
Ion Ratio	Lower	Upper	
114	100		
63	29.4	22.9	34.3
88	19.3	15.8	23.6





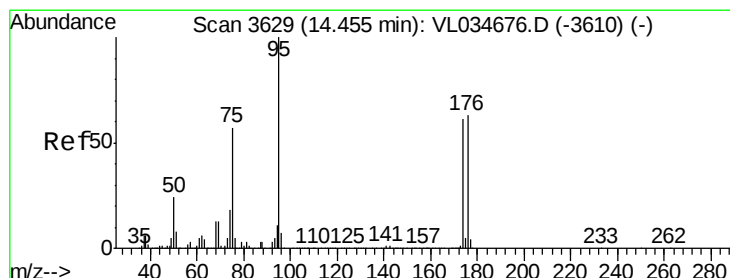
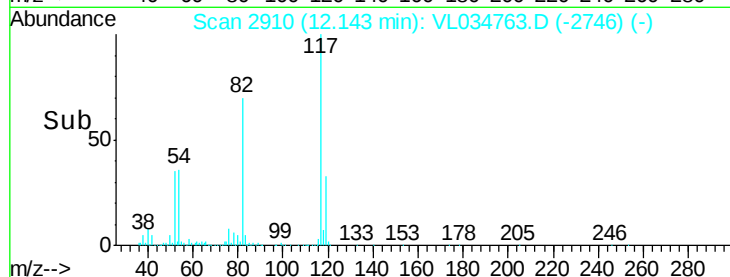
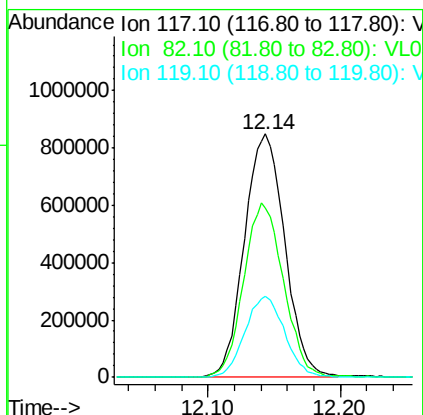
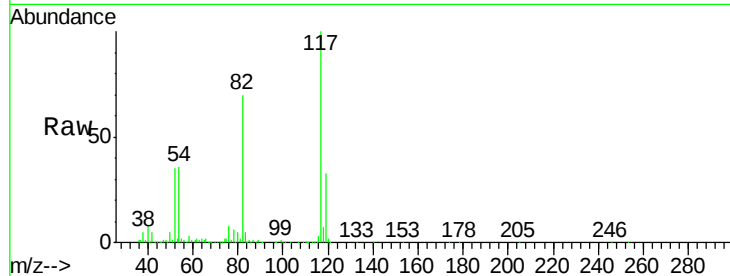
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Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. 0.03 min
Lab File: VL034763.D
Acq: 3 Mar 2020 14:29

Instrument :
MSVOA_L
ClientSampled :
IA-3-4

Tot Ion:117 Resp: 1801540
Ion Ratio Lower Upper
117 100
82 71.2 54.1 81.1
119 33.0 27.6 41.4

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.672 ppbv
RT: 14.48 min Scan# 3636
Delta R.T. 0.02 min
Lab File: VL034763.D
Acq: 3 Mar 2020 14:29

Tgt Ion: 95 Resp: 1576460
Ion Ratio Lower Upper
95 100
174 63.0 50.7 76.1
175 4.5 3.9 5.9

