

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100719\
 Data File : VL034246.D
 Acq On : 8 Oct 2019 9:53
 Operator : SY/AP
 Sample : K5225-02DL2 40X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA3DL2

Quant Time: Oct 09 02:24:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 18 12:53:31 2019
 QLast Update : Wed Sep 18 12:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	889823	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.21	114	1599620	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.15	117	1611737	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.48	95	1390310	9.93	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.30%

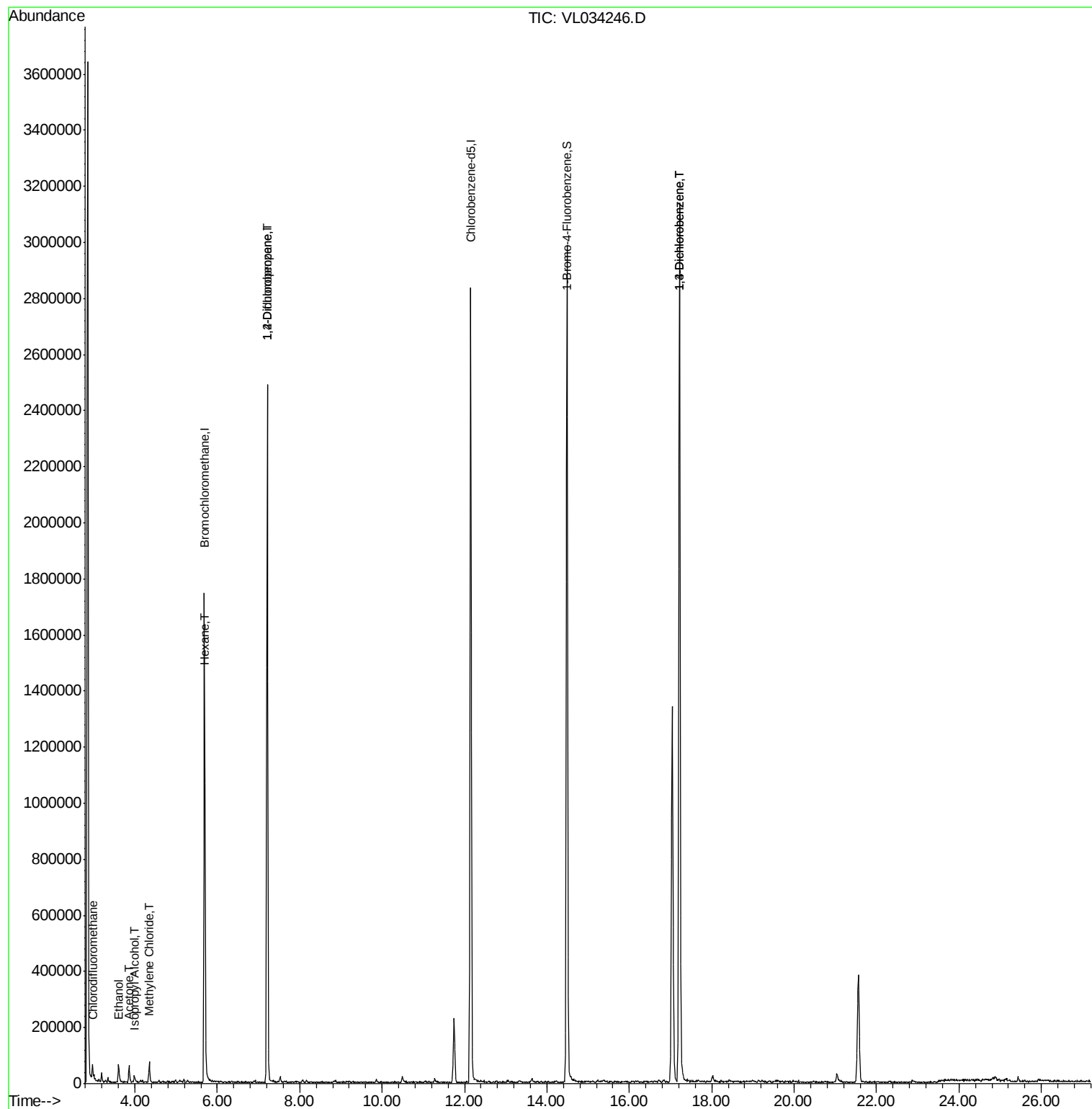
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.97	51	46227	0.443	ppbv	95
13) Ethanol	3.60	45	58767	4.715	ppbv	98
15) Acetone	3.86	43	58825	0.493	ppbv	97
19) Isopropyl Alcohol	3.99	45	13146	0.179	ppbv #	90
20) Methylene Chloride	4.35	84	21505	0.625	ppbv #	89
26) Hexane	5.71	57	12771	0.136	ppbv #	53
39) 1,2-Dichloropropane	7.21	63	500728	6.308	ppbv #	20
75) 1,3-Dichlorobenzene	17.22	146	1492993	11.148	ppbv	98
76) 1,4-Dichlorobenzene	17.22	146	1492993	10.885	ppbv	100

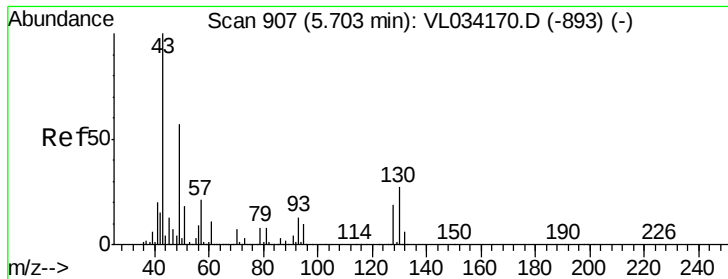
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL100719\
Data File : VL034246.D
Acq On : 8 Oct 2019 9:53
Operator : SY/AP
Sample : K5225-02DL2 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA3DL2

Quant Time: Oct 09 02:24:55 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 18 12:53:31 2019
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. -0.02 min

Lab File: VL034246.D

Acq: 8 Oct 2019 9:53

Instrument :

MSVOA_L

ClientSampleId :

IA3DL2

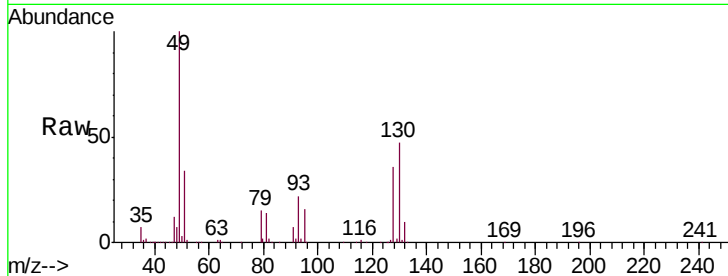
Tgt Ion: 49 Resp: 889823

Ion Ratio Lower Upper

49 100

128 37.2 17.6 52.9

130 46.4 22.3 66.9

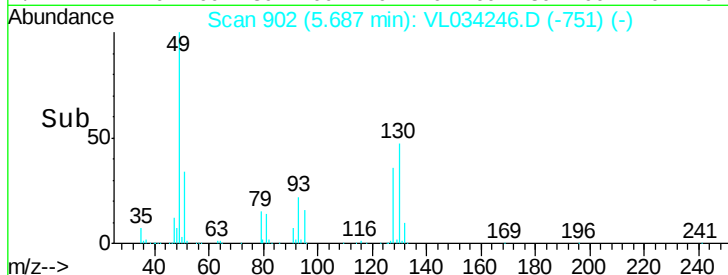


Abundance Ion 49.10 (48.80 to 49.80): VL0

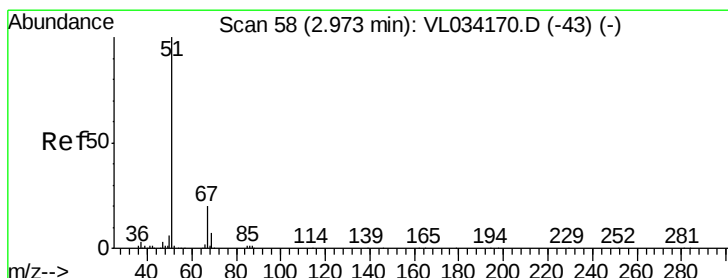
Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

Time-->



Time-->



#3

Chlorodifluoromethane

Concen: 0.443 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.00 min

Lab File: VL034246.D

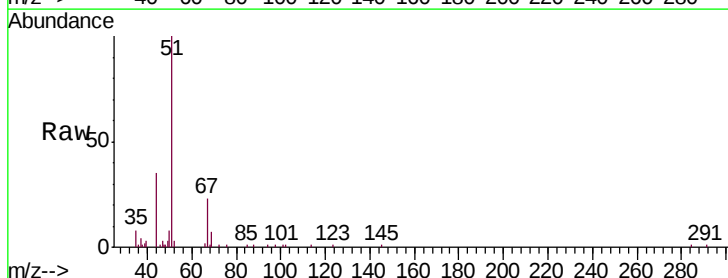
Acq: 8 Oct 2019 9:53

Tgt Ion: 51 Resp: 46227

Ion Ratio Lower Upper

51 100

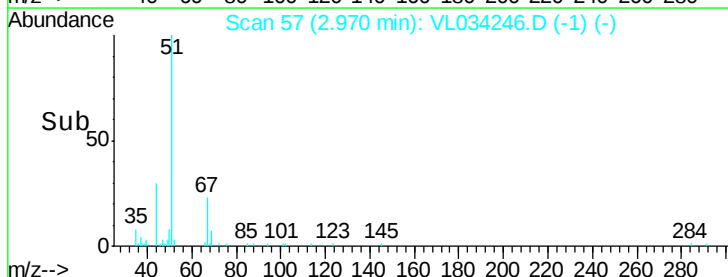
67 16.3 14.8 22.2



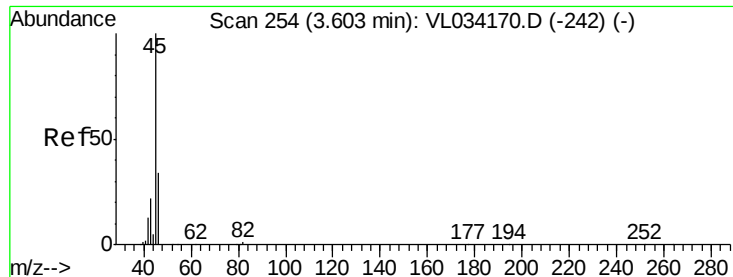
Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

Time-->



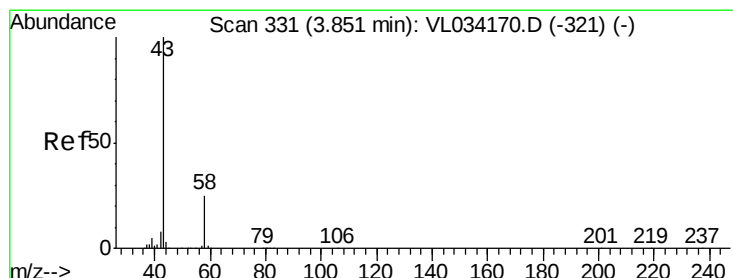
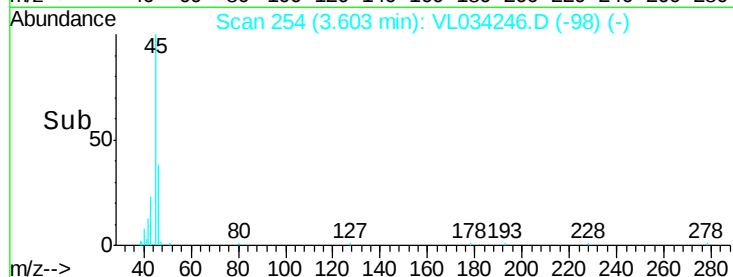
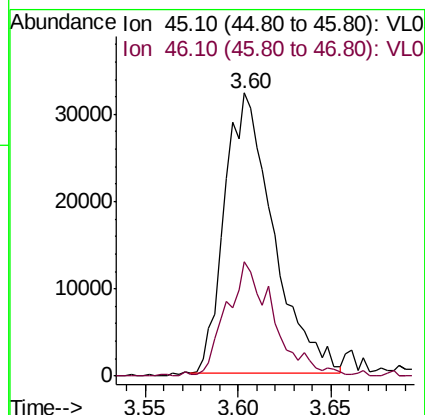
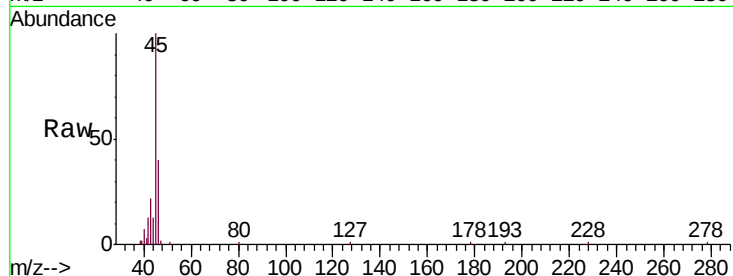
Time-->



#13
Ethanol
Concen: 4.715 ppbv
RT: 3.60 min Scan# 254
Delta R.T. 0.00 min
Lab File: VL034246.D
Acq: 8 Oct 2019 9:53

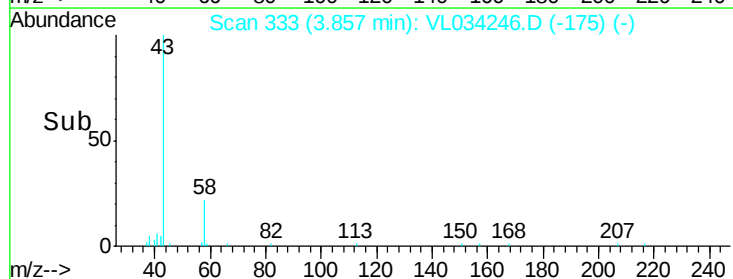
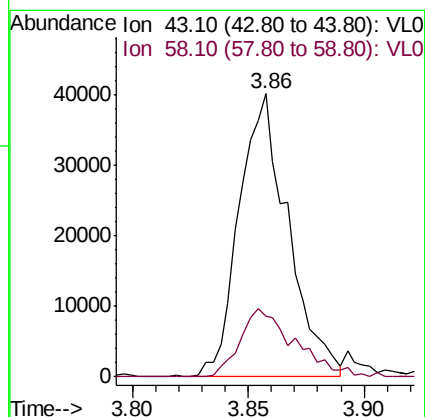
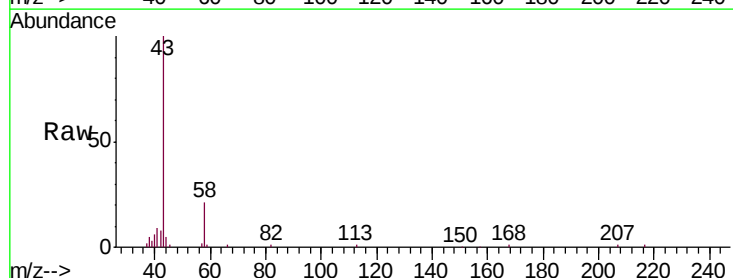
Instrument :
MSVOA_L
ClientSampleId :
IA3DL2

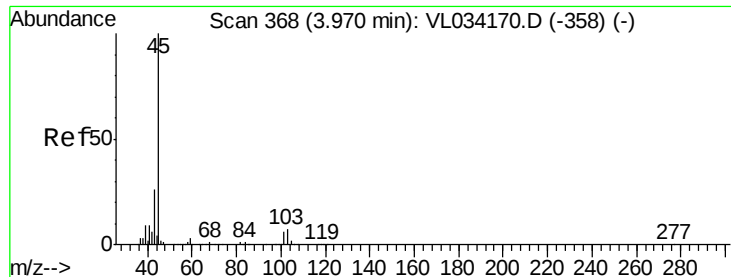
Tgt Ion: 45 Resp: 58767
Ion Ratio Lower Upper
45 100
46 40.0 15.5 61.9



#15
Acetone
Concen: 0.493 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.01 min
Lab File: VL034246.D
Acq: 8 Oct 2019 9:53

Tgt Ion: 43 Resp: 58825
Ion Ratio Lower Upper
43 100
58 27.0 20.5 30.7





#19

Isopropyl Alcohol

Concen: 0.179 ppbv

RT: 3.99 min Scan# 374

Delta R.T. 0.02 min

Lab File: VL034246.D

Acq: 8 Oct 2019 9:53

Instrument :

MSVOA_L

ClientSampleId :

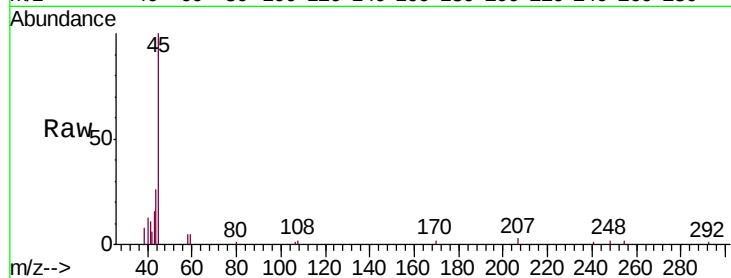
IA3DL2

Tgt Ion: 45 Resp: 13146

Ion Ratio Lower Upper

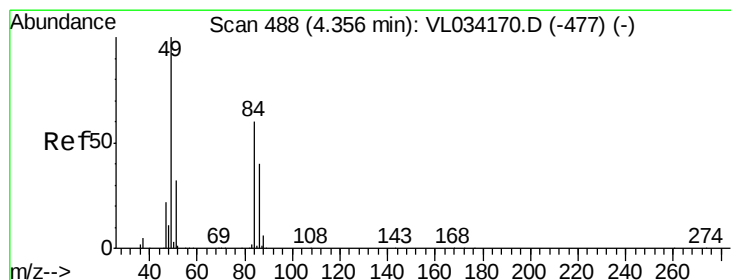
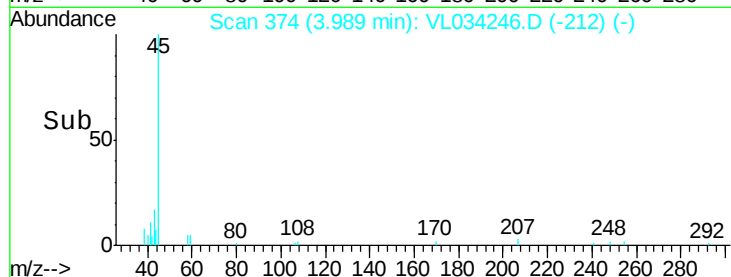
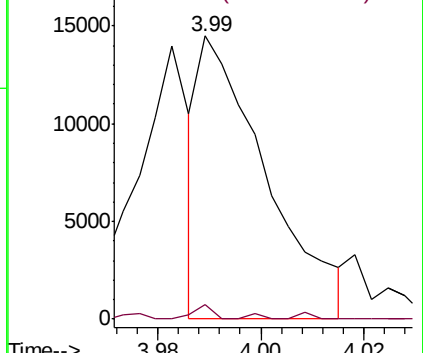
45 100

58 5.3 1.4 2.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.625 ppbv

RT: 4.35 min Scan# 486

Delta R.T. -0.01 min

Lab File: VL034246.D

Acq: 8 Oct 2019 9:53

Tgt Ion: 84 Resp: 21505

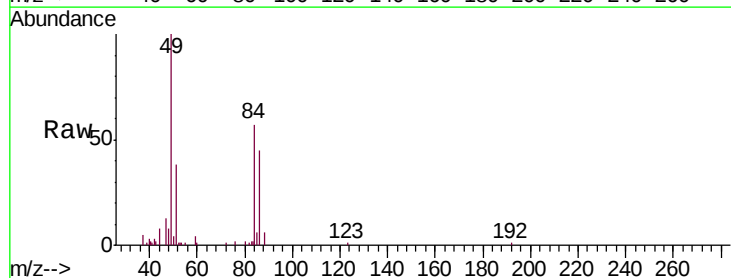
Ion Ratio Lower Upper

84 100

49 176.3 133.8 200.8

51 68.5 43.6 65.4#

86 78.1 53.1 79.7

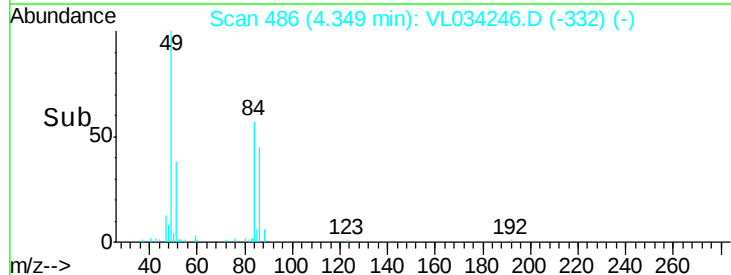
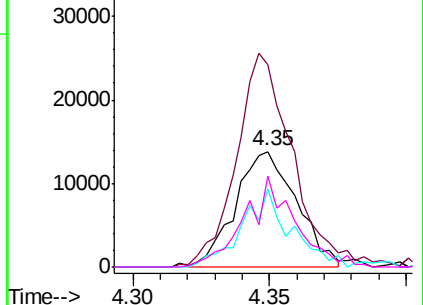


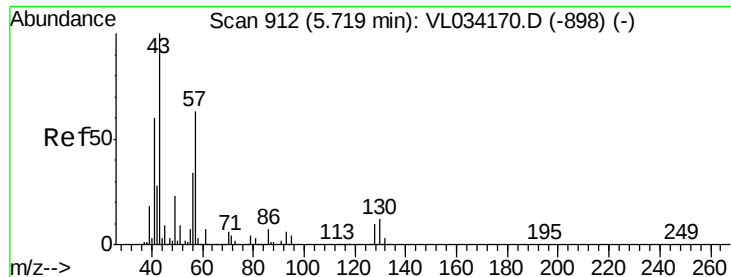
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

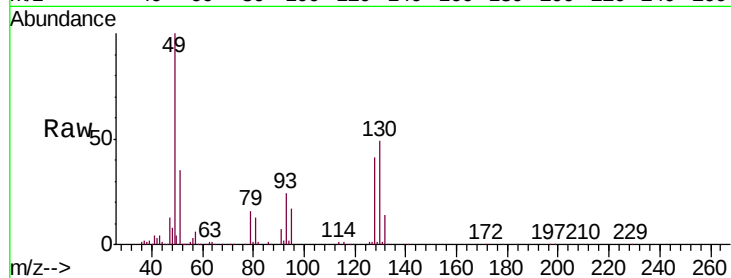




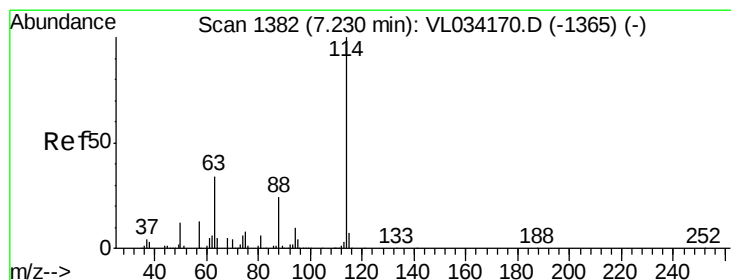
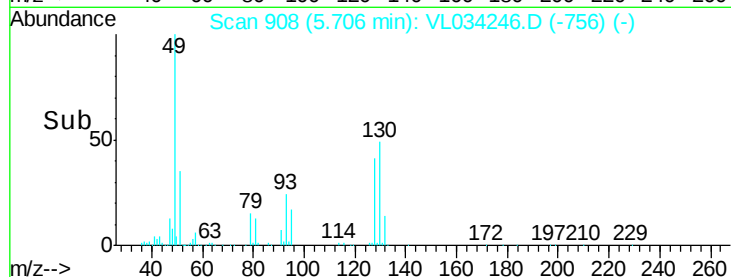
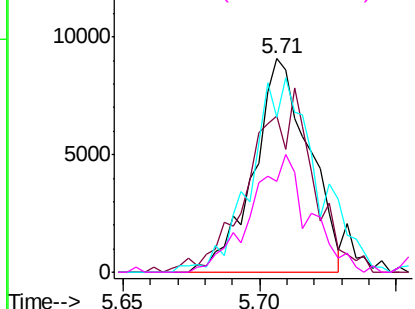
#26
Hexane
Concen: 0.136 ppbv
RT: 5.71 min Scan# 908
Delta R.T. -0.01 min
Lab File: VL034246.D
Acq: 8 Oct 2019 9:53

Instrument :
MSVOA_L
ClientSampleId :
IA3DL2

Tgt Ion: 57 Resp: 12771
Ion Ratio Lower Upper
57 100
41 97.1 78.5 117.7
43 109.8 189.5 284.3#
56 58.0 43.2 64.8

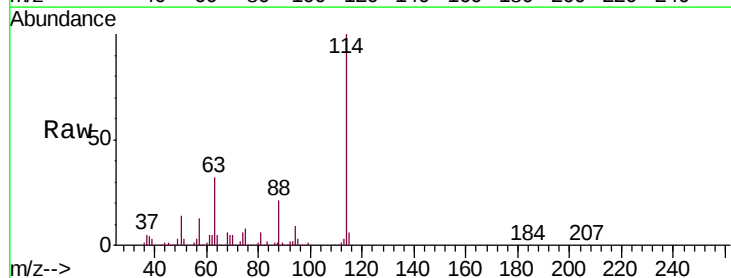


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

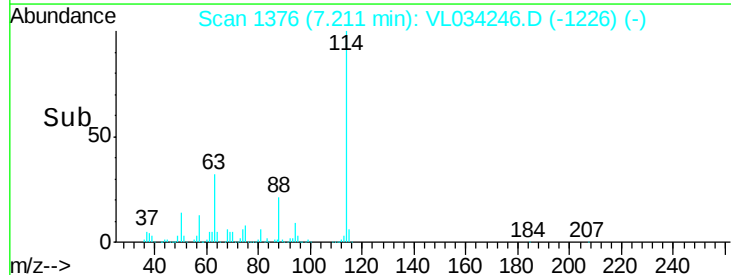
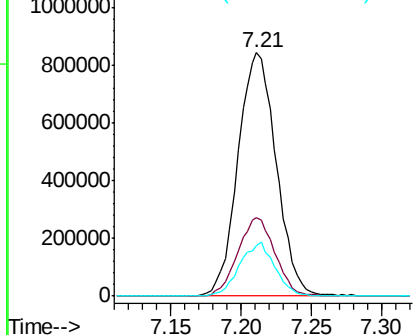


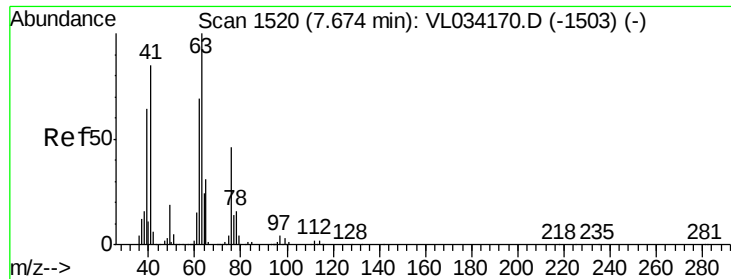
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1376
Delta R.T. -0.02 min
Lab File: VL034246.D
Acq: 8 Oct 2019 9:53

Tgt Ion: 114 Resp: 1599620
Ion Ratio Lower Upper
114 100
63 31.5 27.8 41.6
88 20.4 17.1 25.7



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0

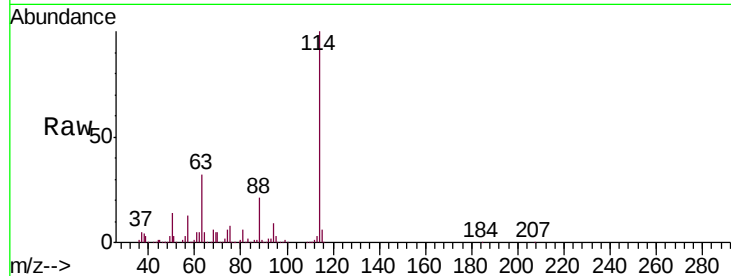




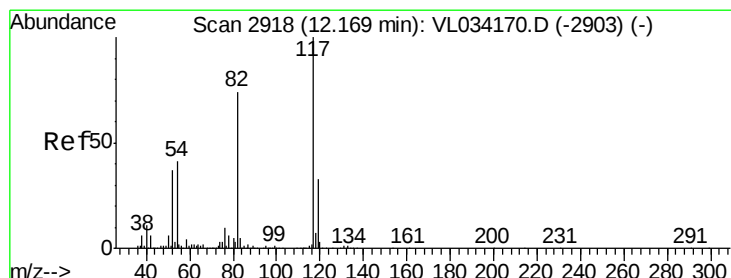
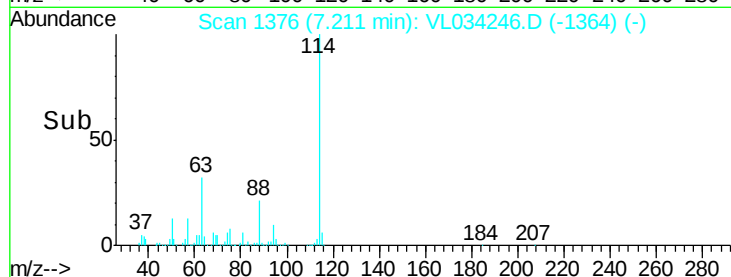
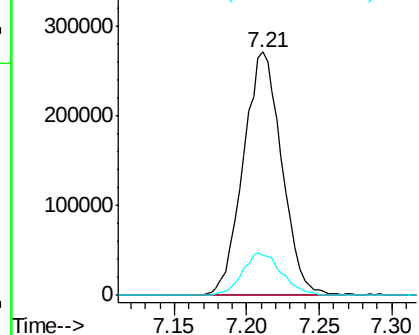
#39
 1,2-Dichloropropane
 Concen: 6.308 ppbv
 RT: 7.21 min Scan# 1376
 Delta R.T. -0.46 min
 Lab File: VL034246.D
 Acq: 8 Oct 2019 9:53

Instrument :
 MSVOA_L
 ClientSampleId :
 IA3DL2

Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.0	68.4	102.6#
62	16.6	55.4	83.2#

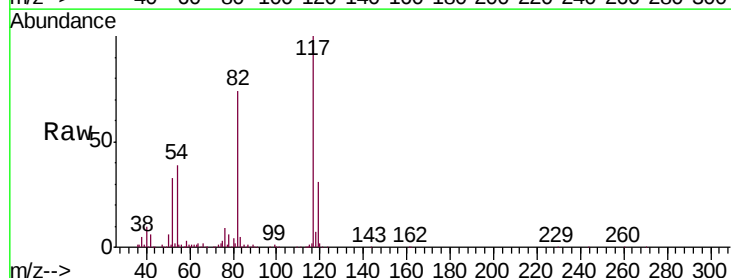


Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

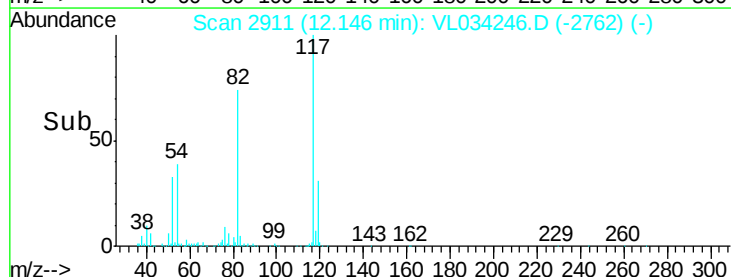
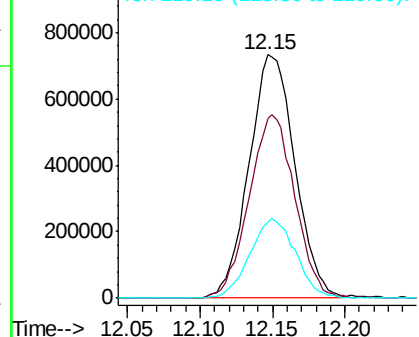


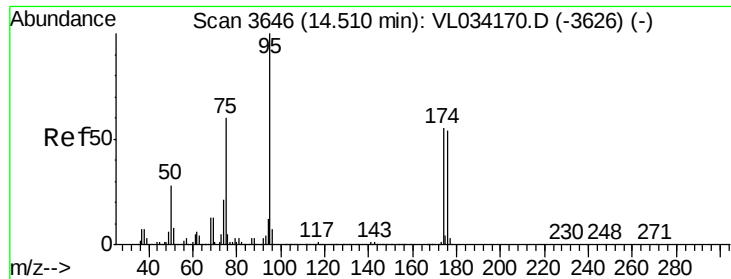
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.15 min Scan# 2911
 Delta R.T. -0.02 min
 Lab File: VL034246.D
 Acq: 8 Oct 2019 9:53

Tgt Ion	Ratio	Lower	Upper
117	100		
82	75.7	58.2	87.4
119	32.7	23.7	35.5



Abundance Ion 117.10 (116.80 to 117.80): V
 Ion 82.10 (81.80 to 82.80): VL0
 Ion 119.10 (118.80 to 119.80): V

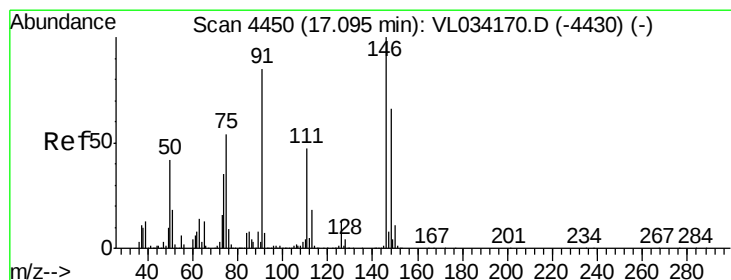
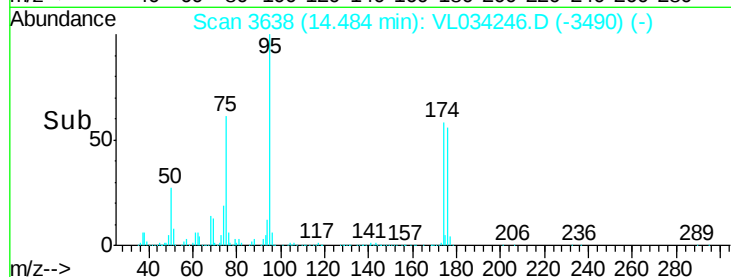
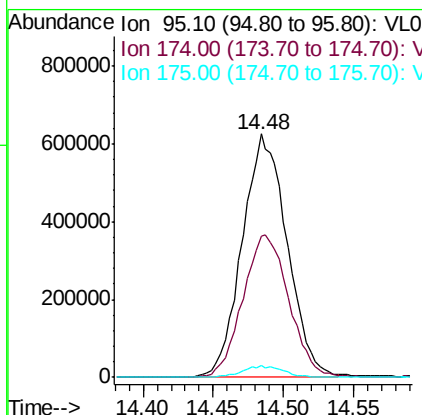
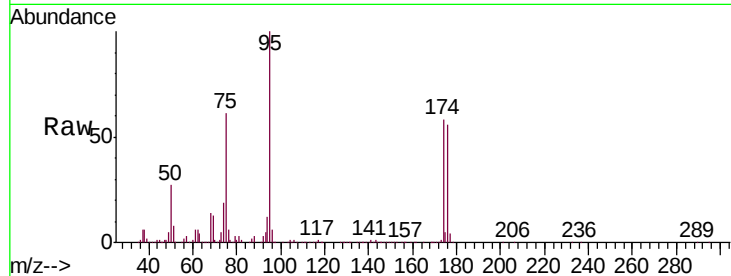




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.927 ppbv
 RT: 14.48 min Scan# 3638
 Delta R.T. -0.03 min
 Lab File: VL034246.D
 Acq: 8 Oct 2019 9:53

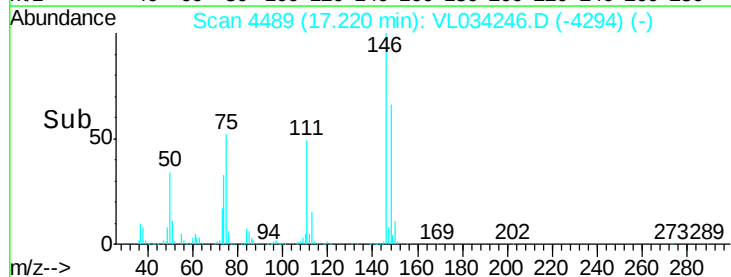
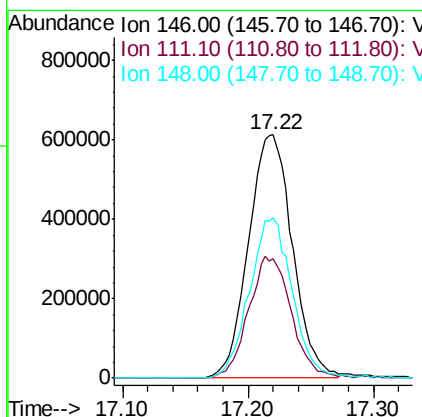
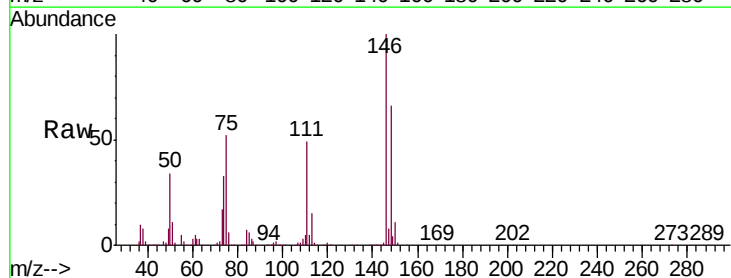
Instrument :
 MSVOA_L
 ClientSampleId :
 IA3DL2

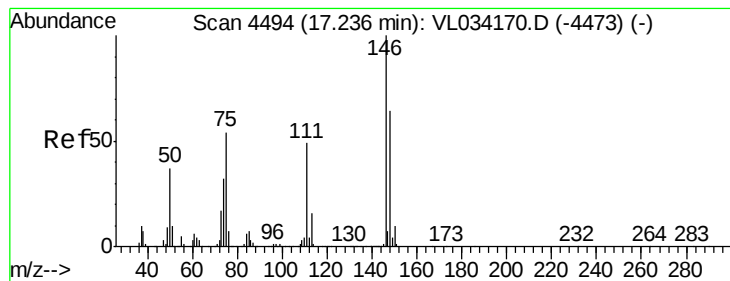
Tgt Ion: 95 Resp: 1390310
 Ion Ratio Lower Upper
 95 100
 174 60.5 45.1 67.7
 175 4.4 3.3 4.9



#75
 1,3-Dichlorobenzene
 Concen: 11.148 ppbv
 RT: 17.22 min Scan# 4489
 Delta R.T. 0.13 min
 Lab File: VL034246.D
 Acq: 8 Oct 2019 9:53

Tgt Ion: 146 Resp: 1492993
 Ion Ratio Lower Upper
 146 100
 111 48.9 25.9 77.8
 148 64.7 32.6 97.7





#76

1,4-Dichlorobenzene

Concen: 10.885 ppbv

RT: 17.22 min Scan# 4489

Delta R.T. -0.02 min

Lab File: VL034246.D

Acq: 8 Oct 2019 9:53

Instrument :

MSVOA_L

ClientSampleId :

IA3DL2

Tgt Ion:146 Resp: 1492993

Ion Ratio Lower Upper

146 100

111 48.9 24.6 74.0

148 64.6 32.4 97.0

