

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101419\
 Data File : VL034284.D
 Acq On : 14 Oct 2019 16:38
 Operator : SY/AP
 Sample : K5353-02
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1

Quant Time: Oct 15 02:49:24 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	939362	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.21	114	1582727	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.15	117	1548076	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1376703	10.23	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

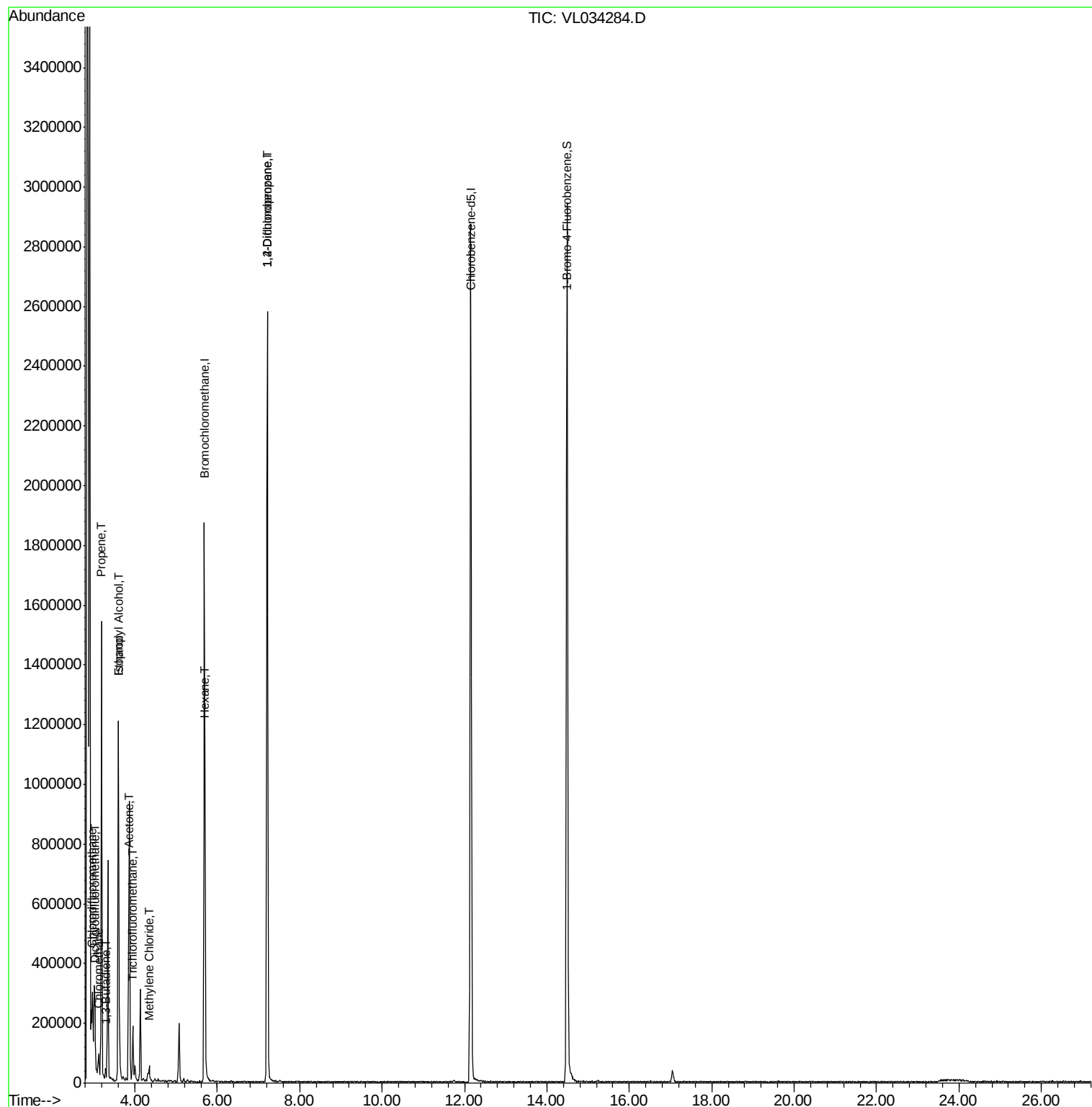
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	126129	0.909	ppbv	91
3) Chlorodifluoromethane	2.97	51	264591	2.402	ppbv #	88
4) Chloromethane	3.12	50	45025	0.696	ppbv	91
9) Propene	3.19	41	403371	7.423	ppbv	91
11) Trichlorofluoromethane	3.95	101	113540	0.899	ppbv	96
13) Ethanol	3.60	45	1189552	90.402	ppbv	98
15) Acetone	3.85	43	391858	3.112	ppbv	97
16) 1,3-Butadiene	3.29	39	8602	0.157	ppbv #	13
19) Isopropyl Alcohol	3.60	45	1189552	15.365	ppbv #	95
20) Methylene Chloride	4.35	84	14118	0.389	ppbv #	80
26) Hexane	5.71	57	3837	0.039	ppbv #	87
39) 1,2-Dichloropropane	7.21	63	537586	6.845	ppbv #	20

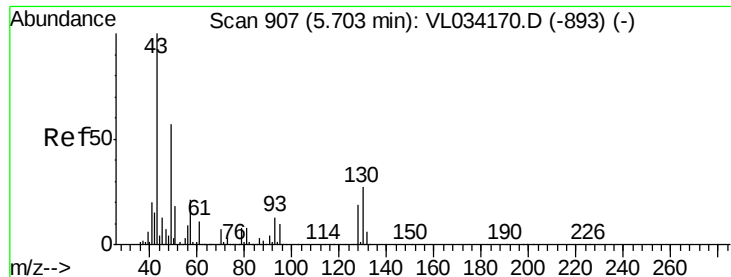
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 903

Delta R.T. -0.01 min

Lab File: VL034284.D

Acq: 14 Oct 2019 16:38

Instrument :

MSVOA_L

ClientSampleId :

IA-1

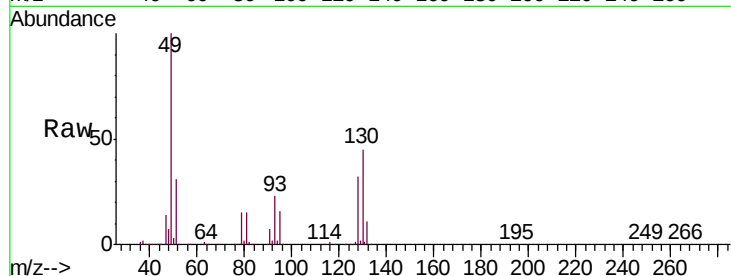
Tgt Ion: 49 Resp: 939362

Ion Ratio Lower Upper

49 100

128 35.6 17.6 52.9

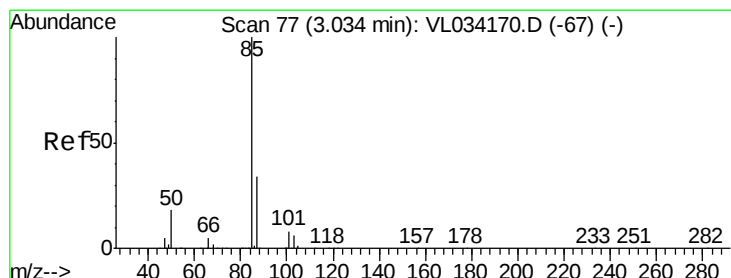
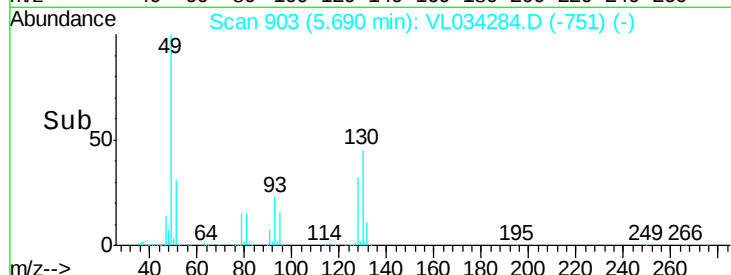
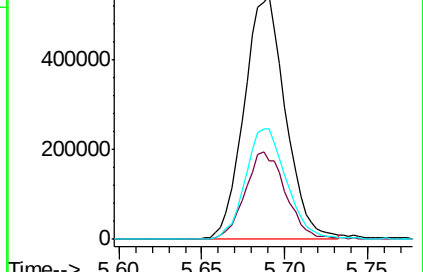
130 46.0 22.3 66.9



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



#2

Dichlorodifluoromethane

Concen: 0.909 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.01 min

Lab File: VL034284.D

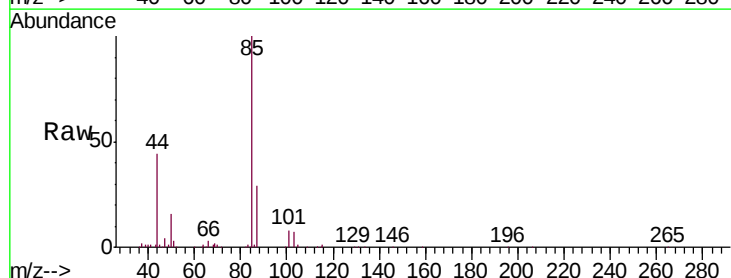
Acq: 14 Oct 2019 16:38

Tgt Ion: 85 Resp: 126129

Ion Ratio Lower Upper

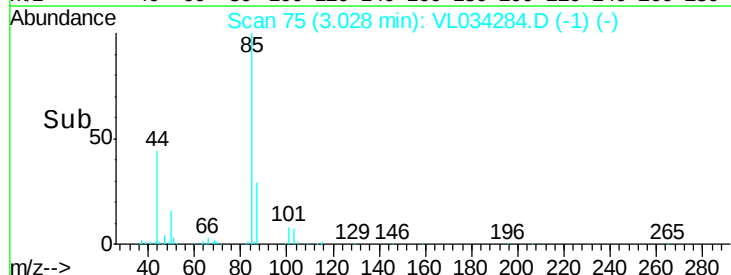
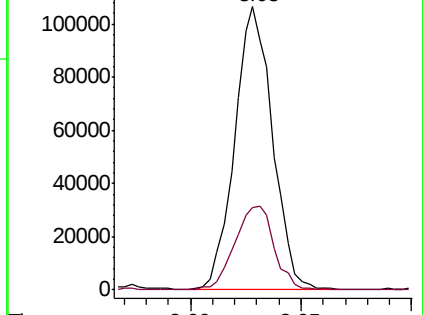
85 100

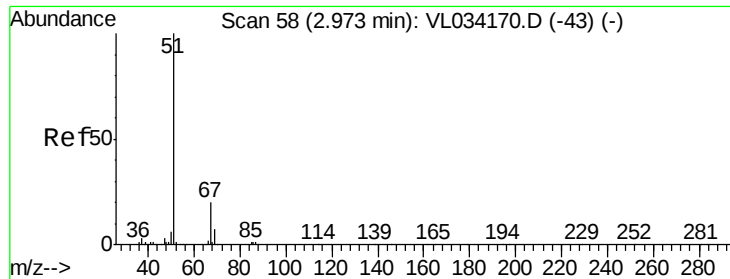
87 29.0 27.2 40.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 2.402 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.01 min

Lab File: VL034284.D

Acq: 14 Oct 2019 16:38

Instrument :

MSVOA_L

ClientSampleId :

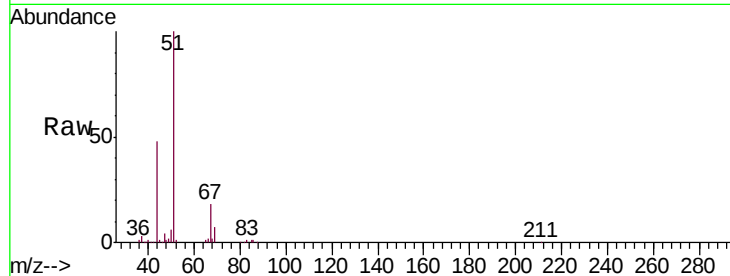
IA-1

Tgt Ion: 51 Resp: 264591

Ion Ratio Lower Upper

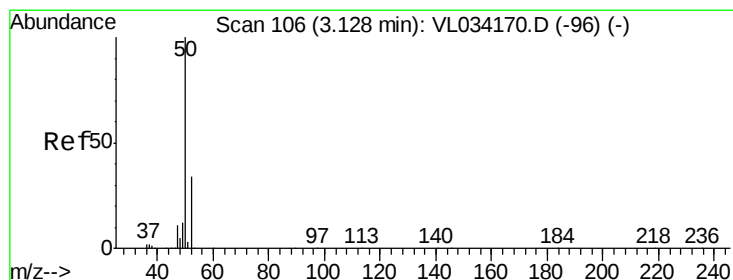
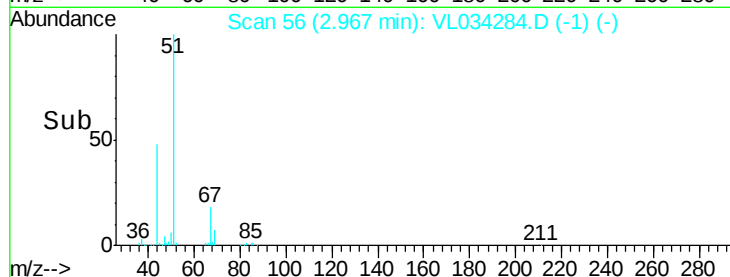
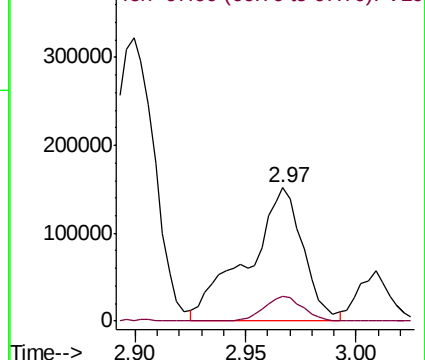
51 100

67 13.1 14.8 22.2#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.696 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.01 min

Lab File: VL034284.D

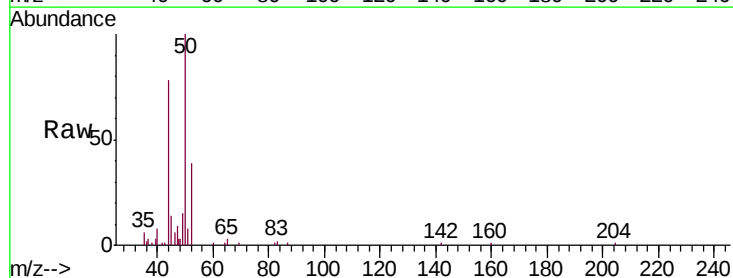
Acq: 14 Oct 2019 16:38

Tgt Ion: 50 Resp: 45025

Ion Ratio Lower Upper

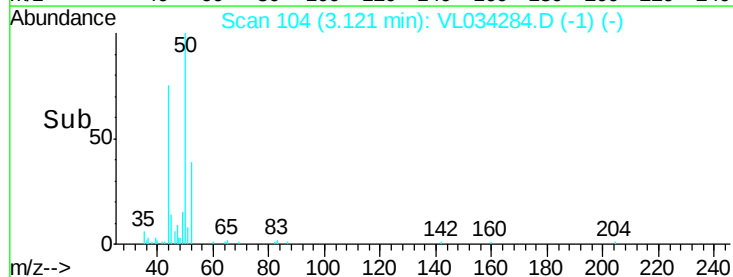
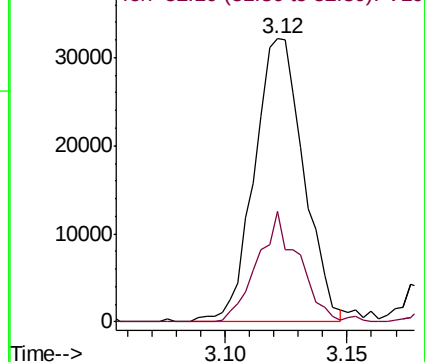
50 100

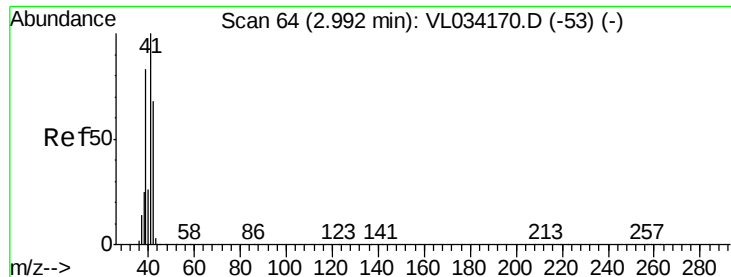
52 39.1 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 7.423 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.20 min

Lab File: VL034284.D

Acq: 14 Oct 2019 16:38

Instrument :

MSVOA_L

ClientSampleId :

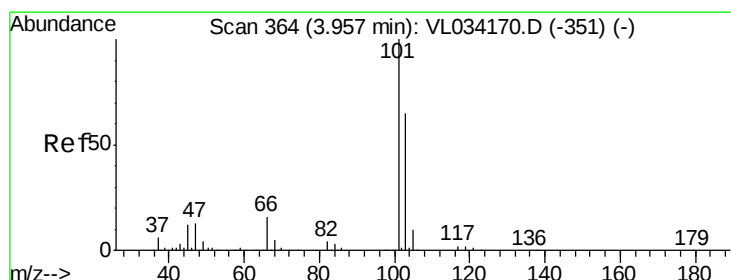
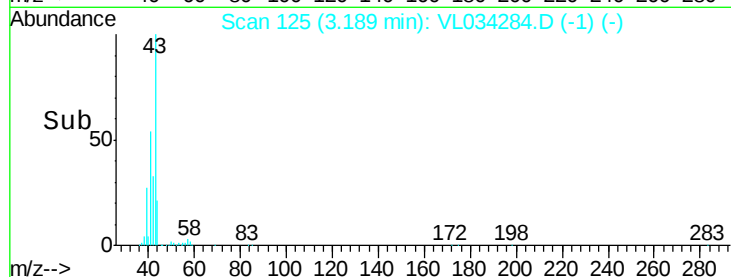
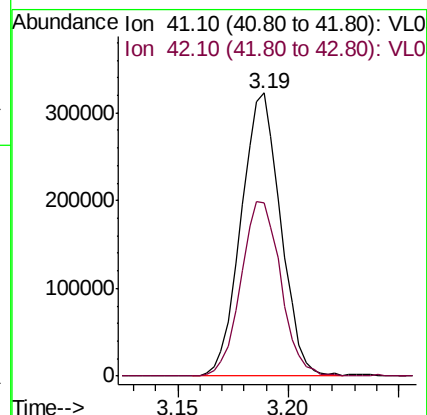
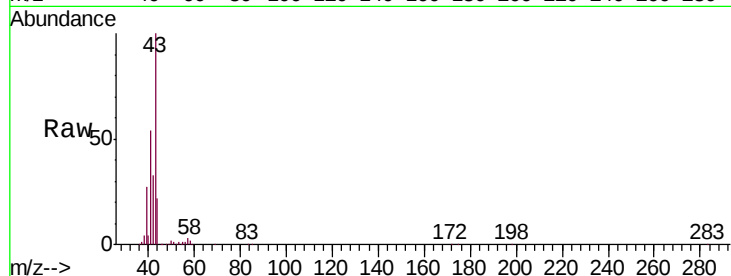
IA-1

Tgt Ion: 41 Resp: 403371

Ion Ratio Lower Upper

41 100

42 62.4 55.8 83.6



#11

Trichlorofluoromethane

Concen: 0.899 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.01 min

Lab File: VL034284.D

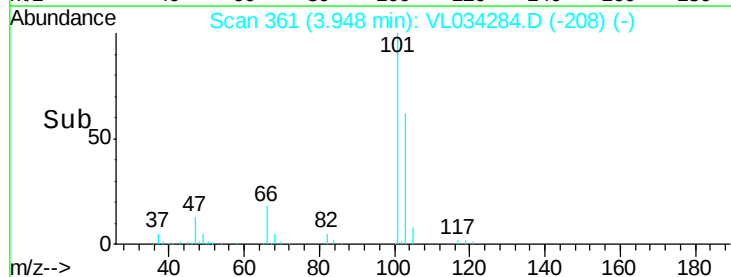
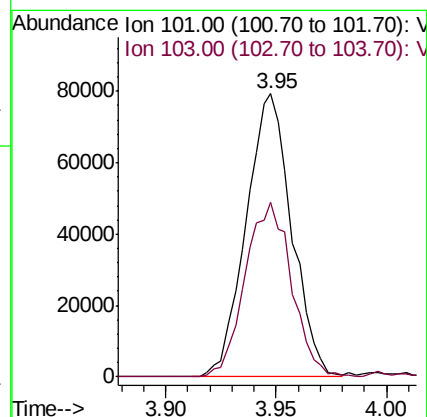
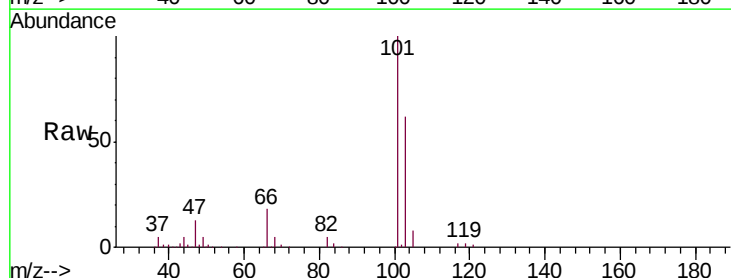
Acq: 14 Oct 2019 16:38

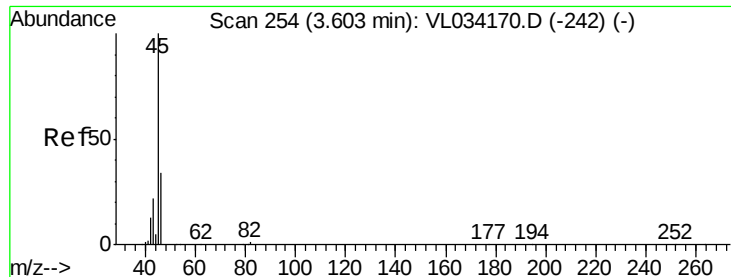
Tgt Ion: 101 Resp: 113540

Ion Ratio Lower Upper

101 100

103 61.8 52.1 78.1





#13

Ethanol

Concen: 90.402 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.01 min

Lab File: VL034284.D

Acq: 14 Oct 2019 16:38

Instrument :

MSVOA_L

ClientSampleId :

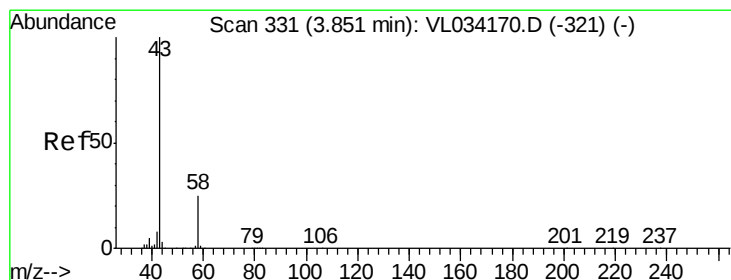
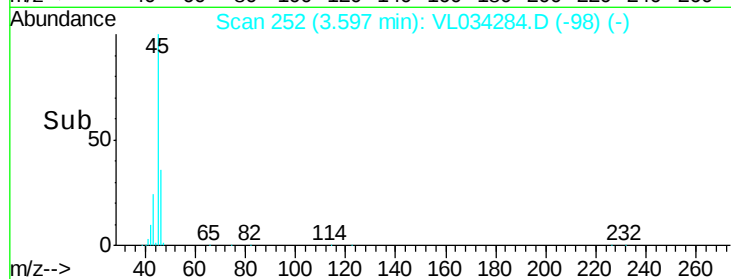
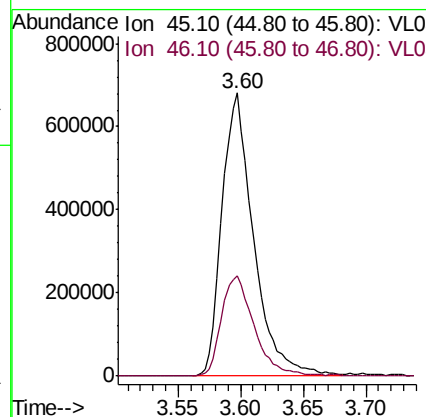
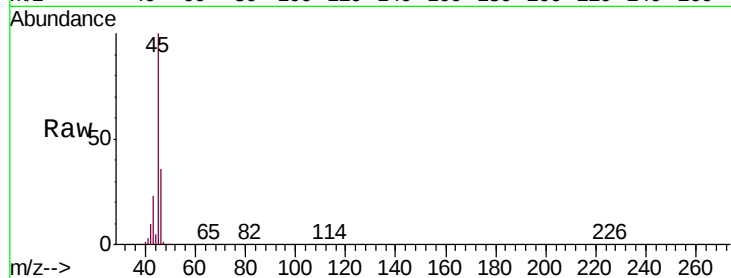
IA-1

Tgt Ion: 45 Resp: 1189552

Ion Ratio Lower Upper

45 100

46 37.3 15.5 61.9



#15

Acetone

Concen: 3.112 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL034284.D

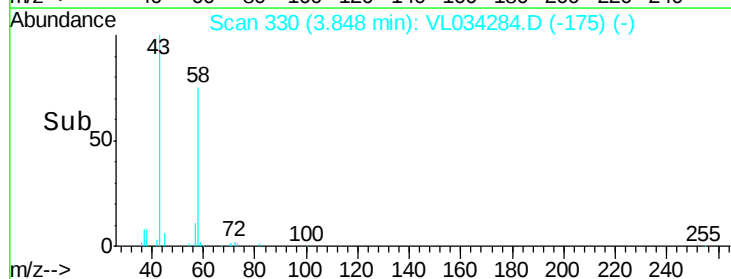
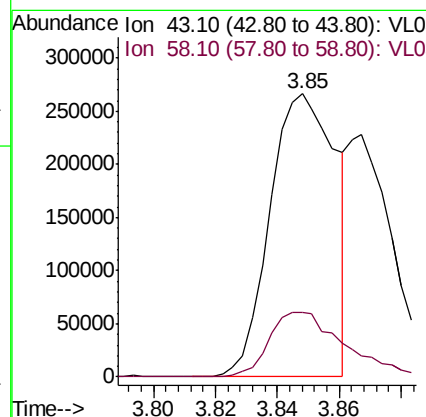
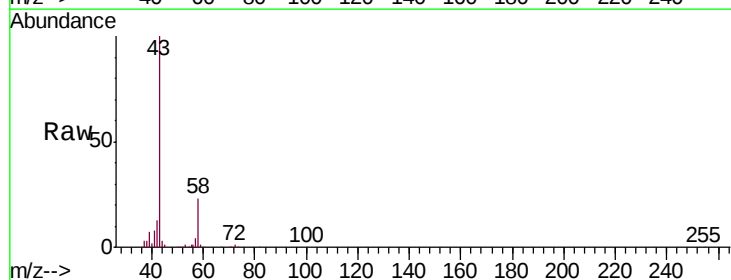
Acq: 14 Oct 2019 16:38

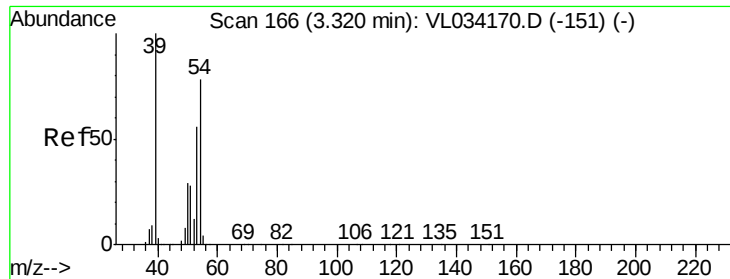
Tgt Ion: 43 Resp: 391858

Ion Ratio Lower Upper

43 100

58 27.2 20.5 30.7

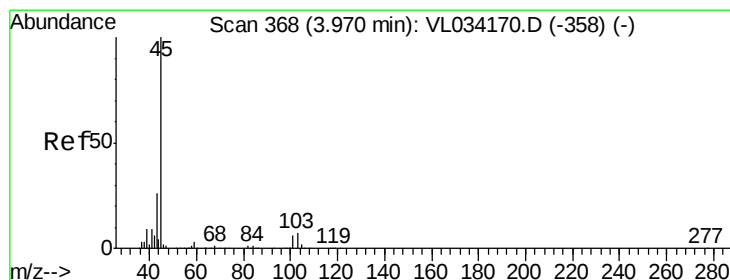
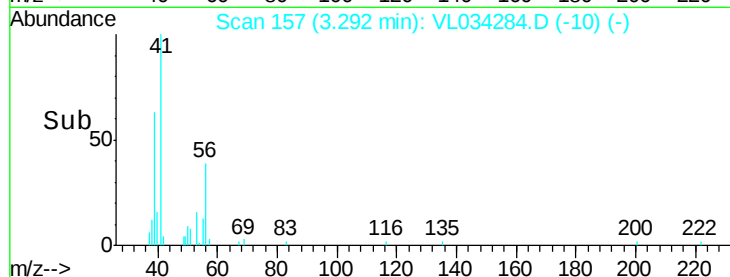
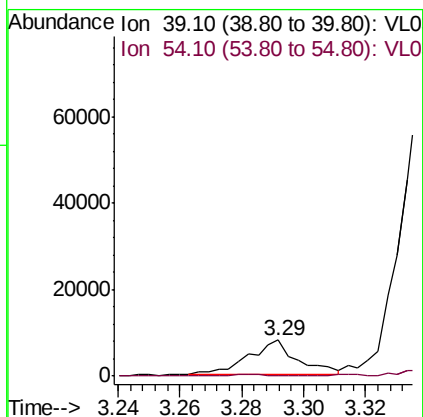
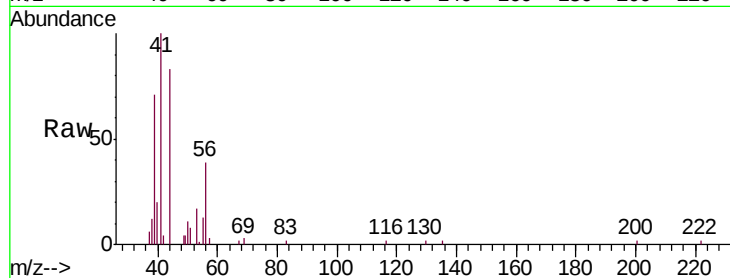




#16
 1,3-Butadiene
 Concen: 0.157 ppbv
 RT: 3.29 min Scan# 157
 Delta R.T. -0.03 min
 Lab File: VL034284.D
 Acq: 14 Oct 2019 16:38

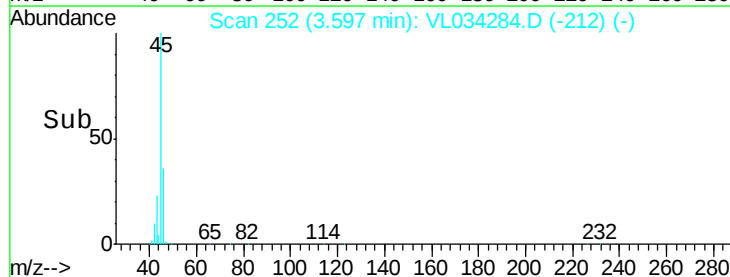
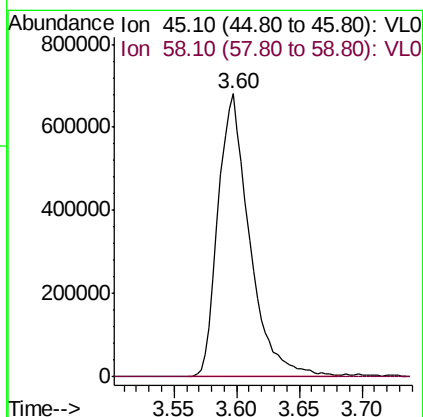
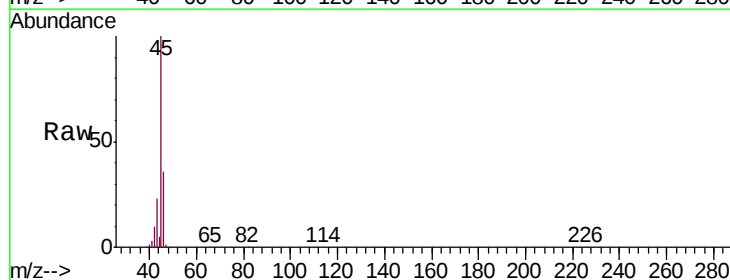
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1

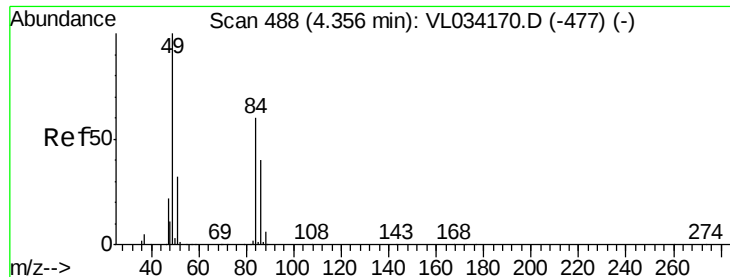
Tgt Ion: 39 Resp: 8602
 Ion Ratio Lower Upper
 39 100
 54 3.2 63.4 95.0#



#19
 Isopropyl Alcohol
 Concen: 15.365 ppbv
 RT: 3.60 min Scan# 252
 Delta R.T. -0.37 min
 Lab File: VL034284.D
 Acq: 14 Oct 2019 16:38

Tgt Ion: 45 Resp: 1189552
 Ion Ratio Lower Upper
 45 100
 58 0.0 1.4 2.0#

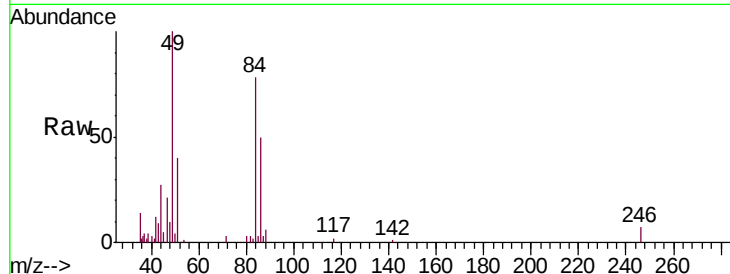




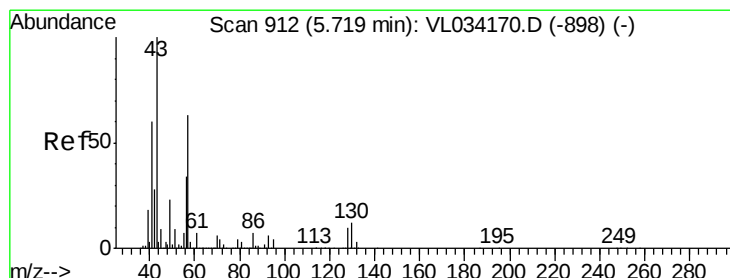
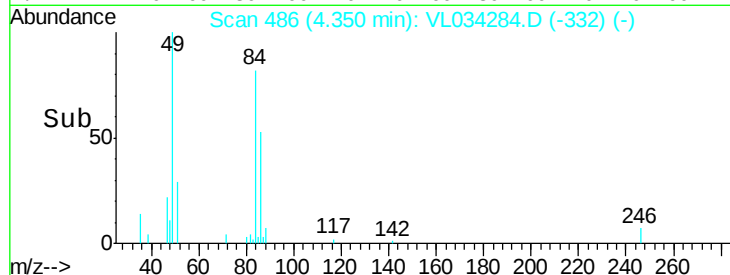
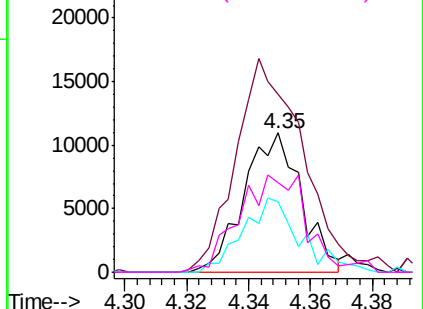
#20
Methylene Chloride
Concen: 0.389 ppbv
RT: 4.35 min Scan# 486
Delta R.T. -0.01 min
Lab File: VL034284.D
Acq: 14 Oct 2019 16:38

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 84 Resp: 14118
Ion Ratio Lower Upper
84 100
49 125.3 133.8 200.8#
51 51.0 43.6 65.4
86 62.7 53.1 79.7

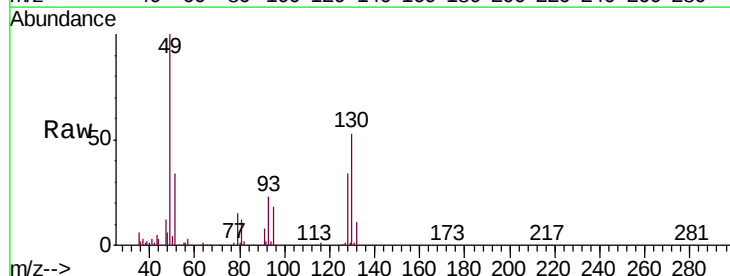


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

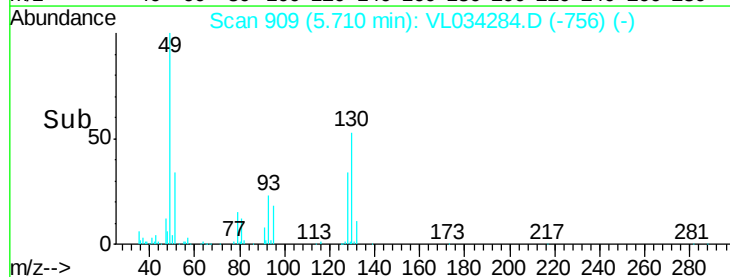
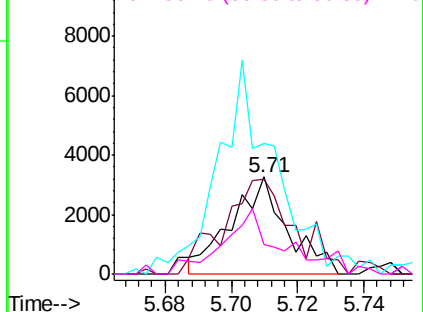


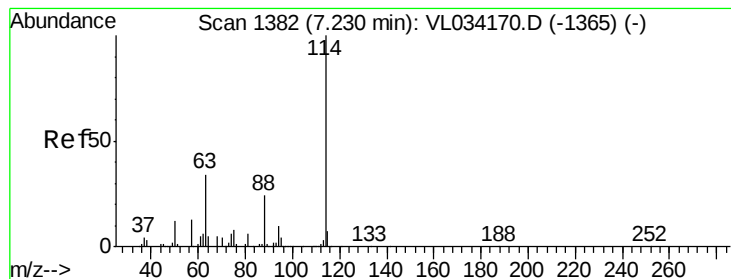
#26
Hexane
Concen: 0.039 ppbv
RT: 5.71 min Scan# 909
Delta R.T. -0.01 min
Lab File: VL034284.D
Acq: 14 Oct 2019 16:38

Tgt Ion: 57 Resp: 3837
Ion Ratio Lower Upper
57 100
41 131.0 78.5 117.7#
43 238.2 189.5 284.3
56 76.7 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: VL034284.D

Acq: 14 Oct 2019 16:38

Instrument :

MSVOA_L

ClientSampleId :

IA-1

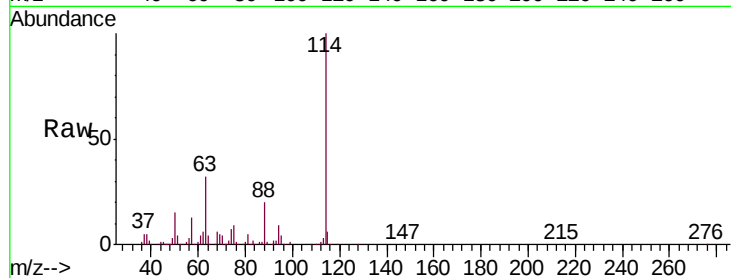
Tgt Ion: 114 Resp: 1582727

Ion Ratio Lower Upper

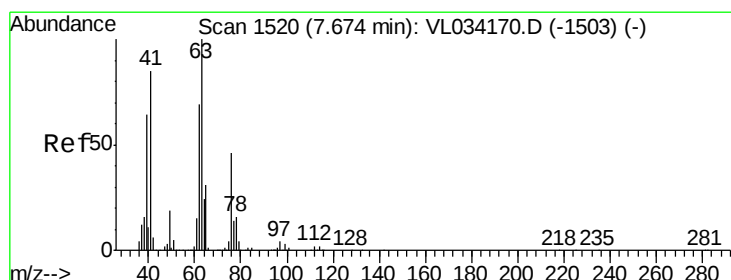
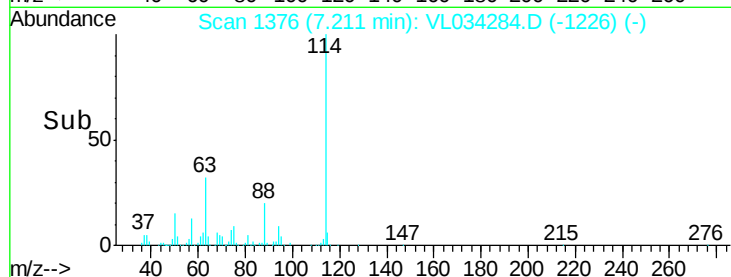
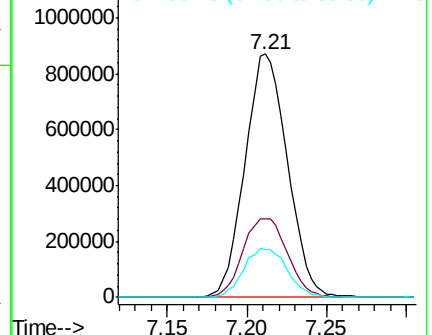
114 100

63 34.2 27.8 41.6

88 20.7 17.1 25.7



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



#39

1,2-Dichloropropane

Concen: 6.845 ppbv

RT: 7.21 min Scan# 1376

Delta R.T. -0.46 min

Lab File: VL034284.D

Acq: 14 Oct 2019 16:38

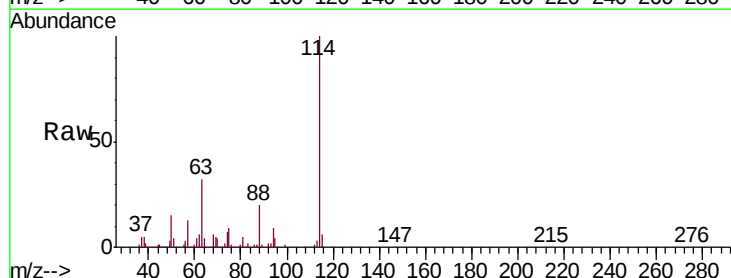
Tgt Ion: 63 Resp: 537586

Ion Ratio Lower Upper

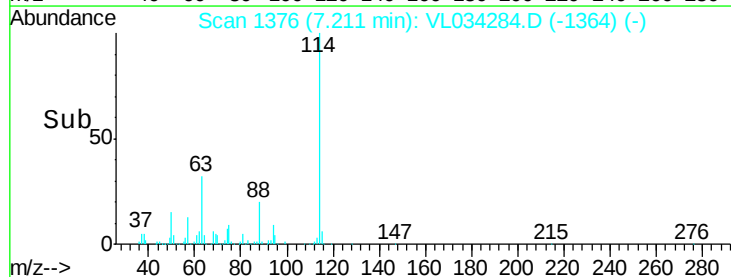
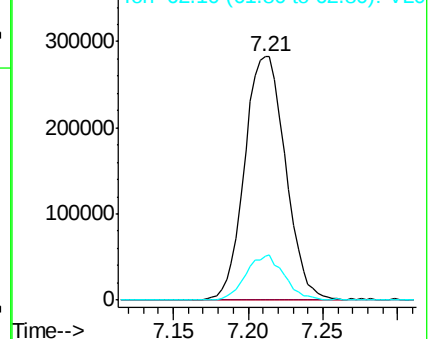
63 100

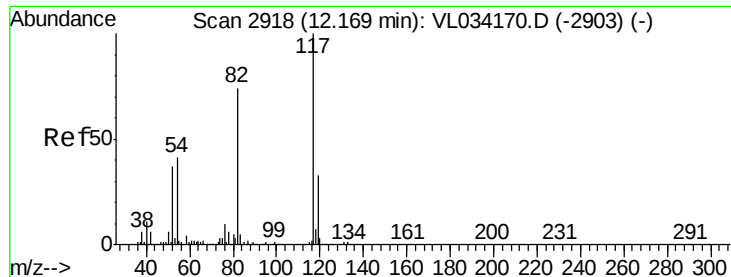
41 0.0 68.4 102.6#

62 18.0 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

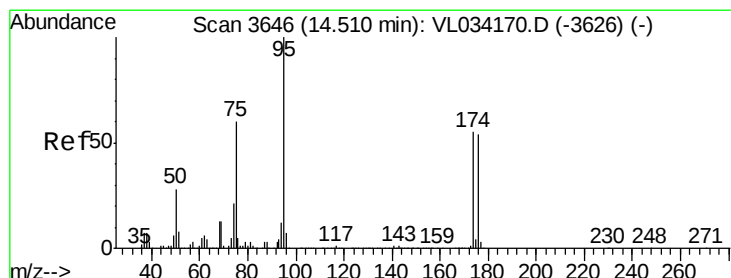
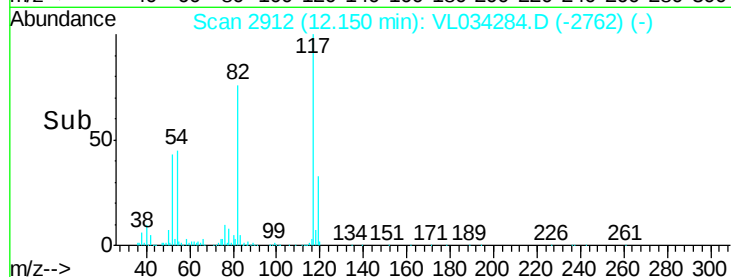
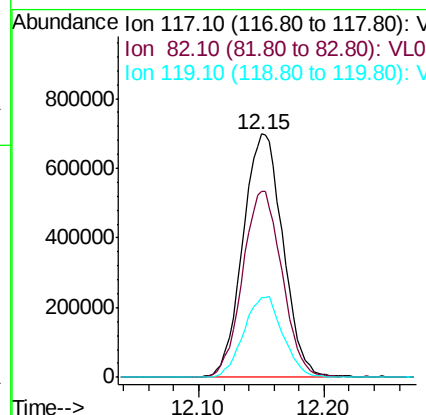
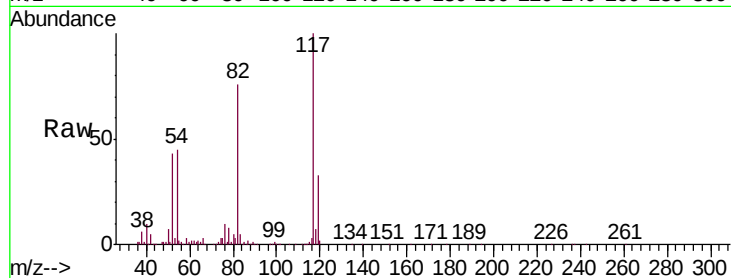




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.02 min
Lab File: VL034284.D
Acq: 14 Oct 2019 16:38

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion:117 Resp: 1548076
Ion Ratio Lower Upper
117 100
82 76.3 58.2 87.4
119 32.4 23.7 35.5



#68
1-Bromo-4-Fluorobenzene
Concen: 10.234 ppbv
RT: 14.49 min Scan# 3639
Delta R.T. -0.02 min
Lab File: VL034284.D
Acq: 14 Oct 2019 16:38

Tgt Ion: 95 Resp: 1376703
Ion Ratio Lower Upper
95 100
174 54.0 45.1 67.7
175 4.1 3.3 4.9

