

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101419\
 Data File : VL034285.D
 Acq On : 14 Oct 2019 17:17
 Operator : SY/AP
 Sample : K5353-02DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL

Quant Time: Oct 15 02:49:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	1004985	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.21	114	1654794	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.15	117	1648109	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1463805	10.22	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.20%

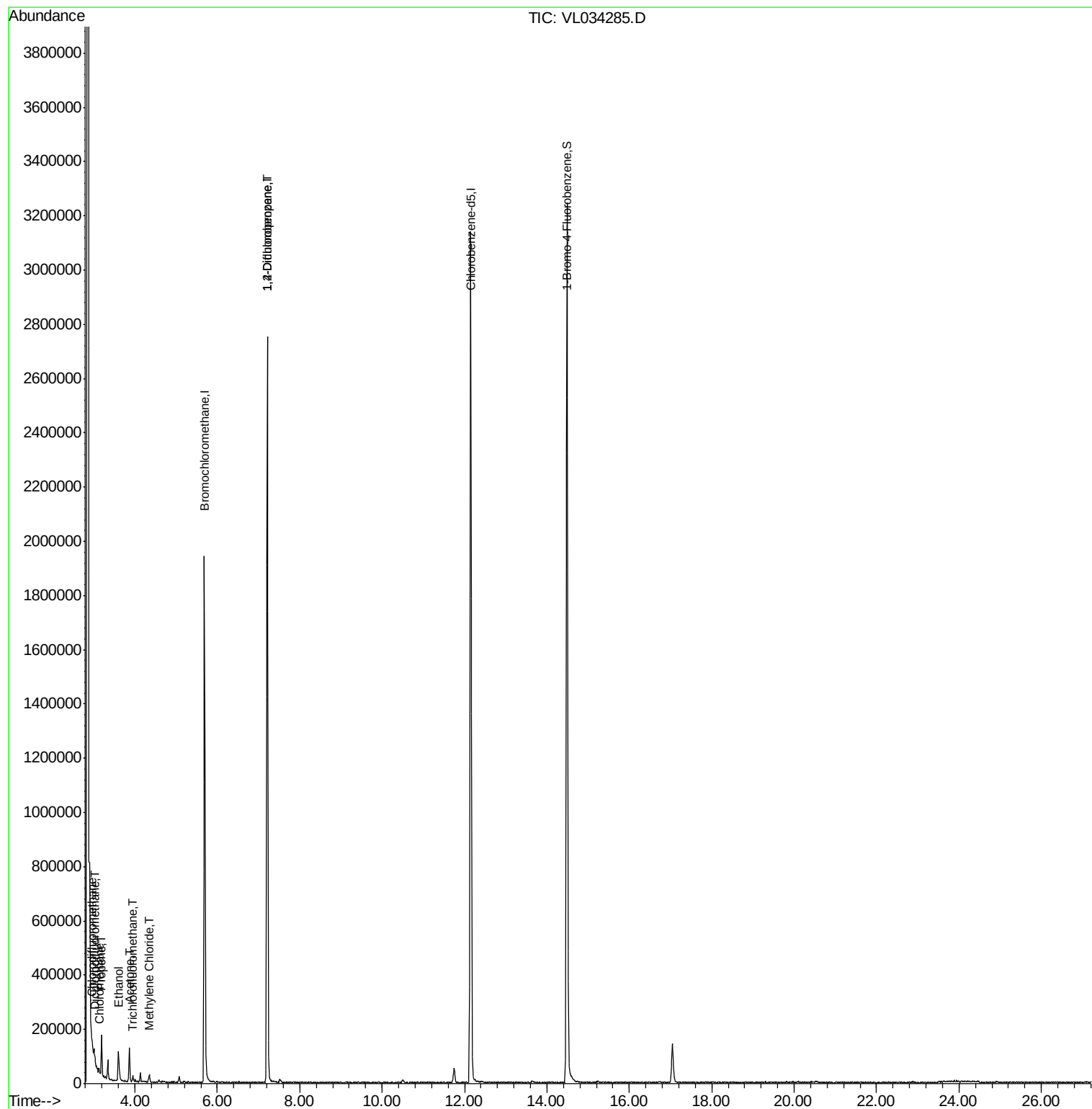
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	12444	0.084	ppbv #	77
3) Chlorodifluoromethane	2.97	51	26555	0.225	ppbv #	90
4) Chloromethane	3.12	50	2564	0.037	ppbv	97
9) Propene	3.19	41	40014	0.688	ppbv	96
11) Trichlorofluoromethane	3.95	101	11342	0.084	ppbv	99
13) Ethanol	3.60	45	122250	8.684	ppbv	97
15) Acetone	3.86	43	79703	0.592	ppbv	92
20) Methylene Chloride	4.35	84	5646	0.145	ppbv	85
39) 1,2-Dichloropropane	7.21	63	543312	6.616	ppbv #	21

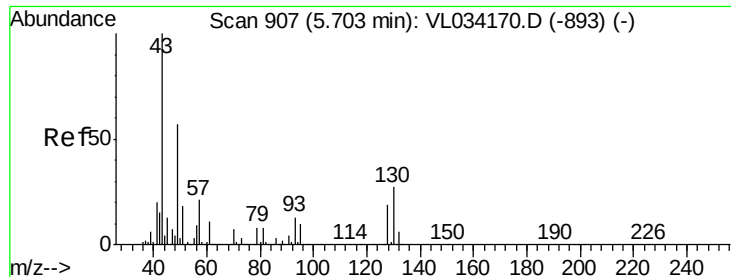
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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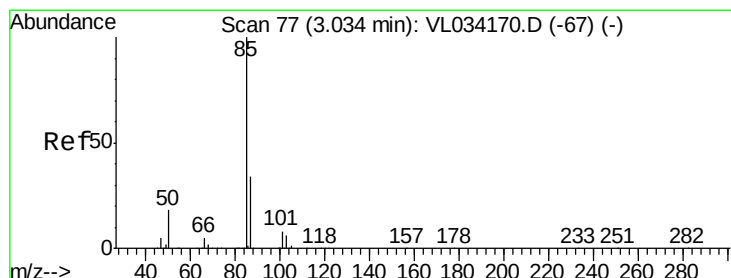
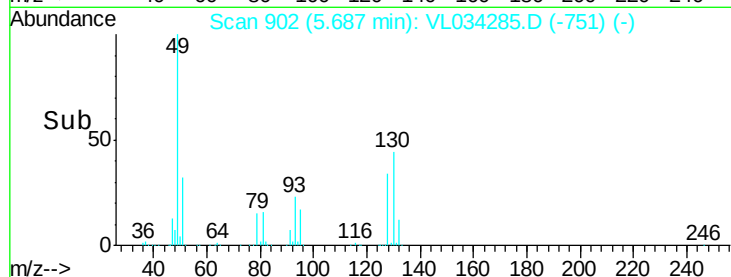
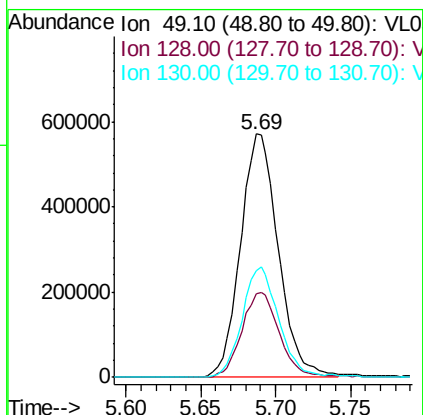
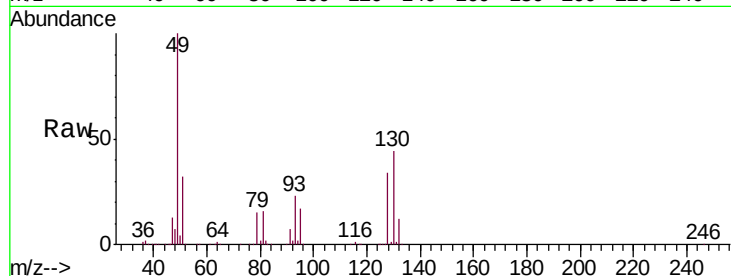




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.69 min Scan# 902
 Delta R.T. -0.02 min
 Lab File: VL034285.D
 Acq: 14 Oct 2019 17:17

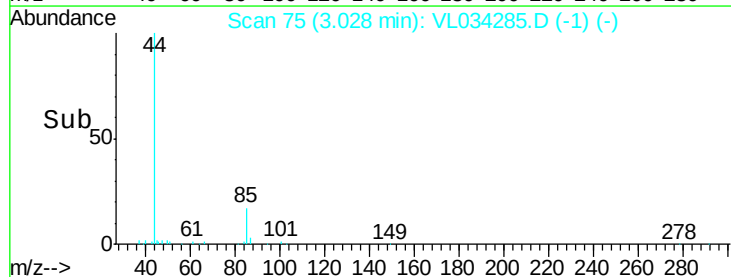
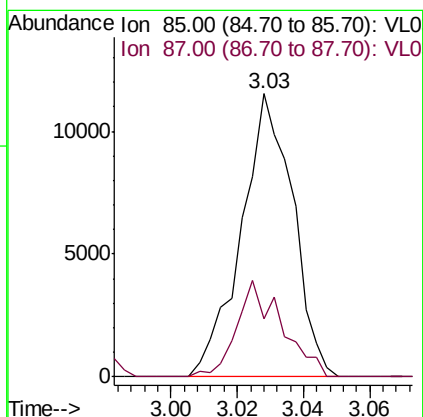
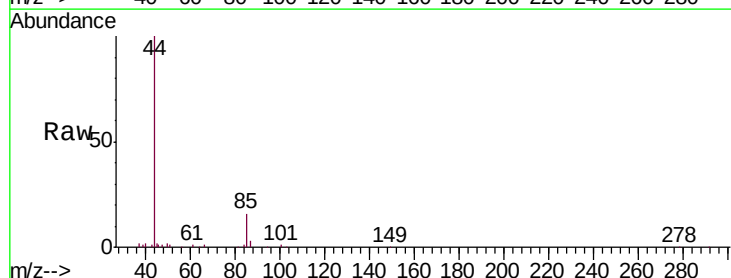
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL

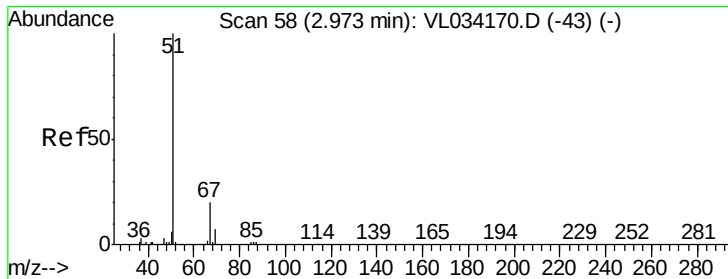
Tgt Ion: 49 Resp: 1004985
 Ion Ratio Lower Upper
 49 100
 128 34.9 17.6 52.9
 130 44.9 22.3 66.9



#2
 Dichlorodifluoromethane
 Concen: 0.084 ppbv
 RT: 3.03 min Scan# 75
 Delta R.T. -0.01 min
 Lab File: VL034285.D
 Acq: 14 Oct 2019 17:17

Tgt Ion: 85 Resp: 12444
 Ion Ratio Lower Upper
 85 100
 87 20.5 27.2 40.8#





#3

Chlorodifluoromethane

Concen: 0.225 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.01 min

Lab File: VL034285.D

Acq: 14 Oct 2019 17:17

Instrument :

MSVOA_L

ClientSampleId :

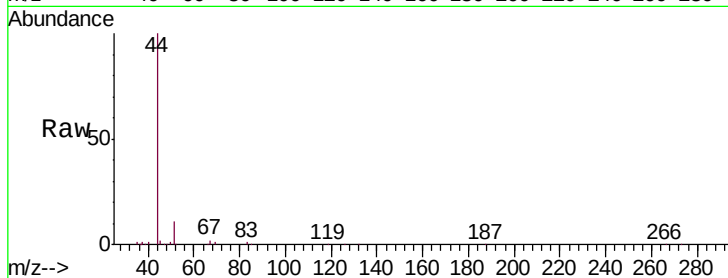
IA-1DL

Tgt Ion: 51 Resp: 26555

Ion Ratio Lower Upper

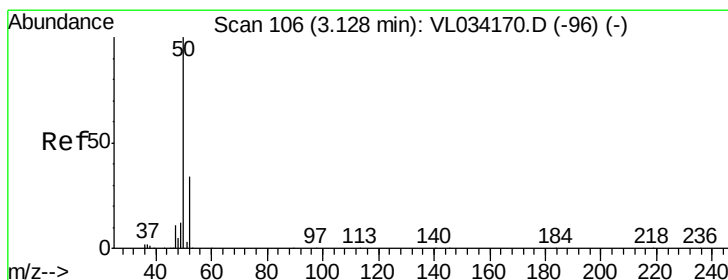
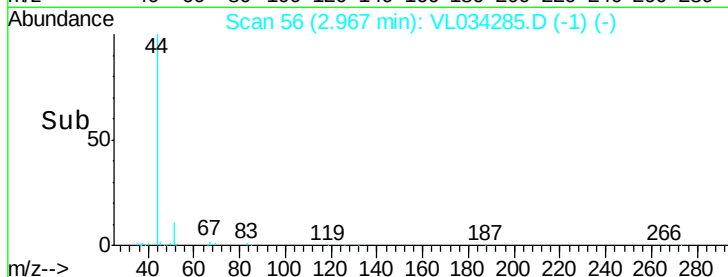
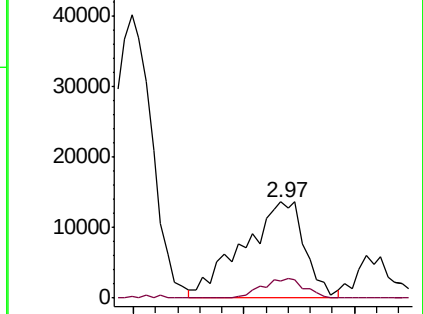
51 100

67 14.1 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: 0.037 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.01 min

Lab File: VL034285.D

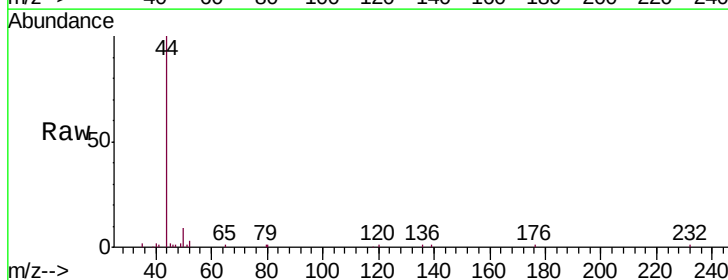
Acq: 14 Oct 2019 17:17

Tgt Ion: 50 Resp: 2564

Ion Ratio Lower Upper

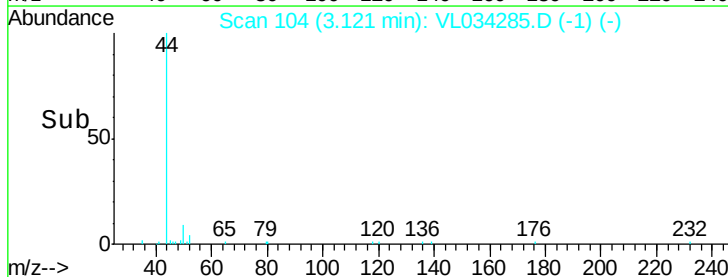
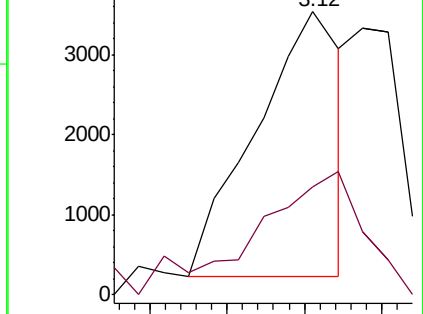
50 100

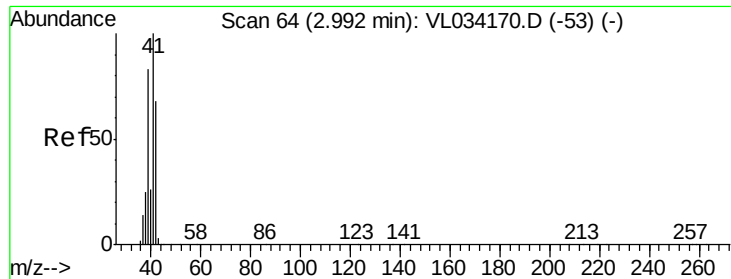
52 32.1 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.688 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.20 min

Lab File: VL034285.D

Acq: 14 Oct 2019 17:17

Instrument :

MSVOA_L

ClientSampleId :

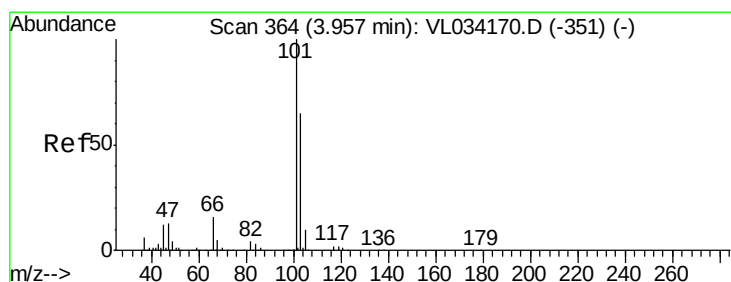
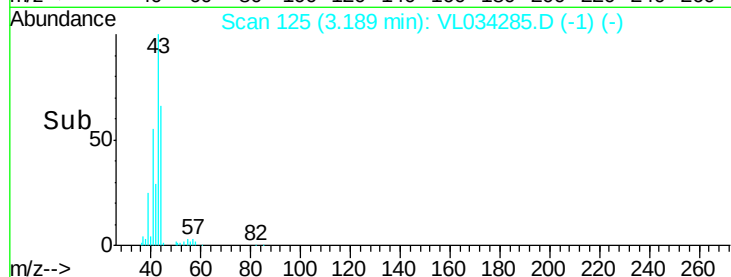
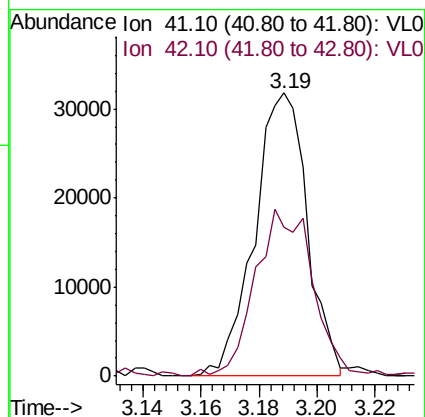
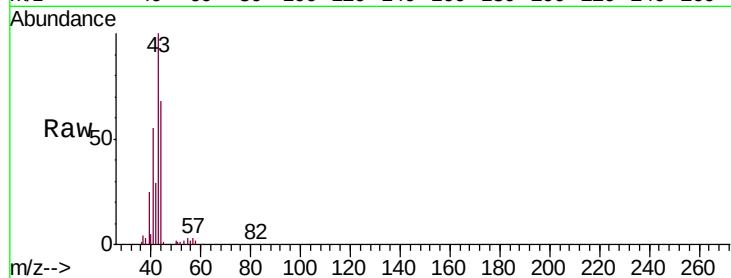
IA-1DL

Tgt Ion: 41 Resp: 40014

Ion Ratio Lower Upper

41 100

42 66.7 55.8 83.6



#11

Trichlorofluoromethane

Concen: 0.084 ppbv

RT: 3.95 min Scan# 362

Delta R.T. -0.01 min

Lab File: VL034285.D

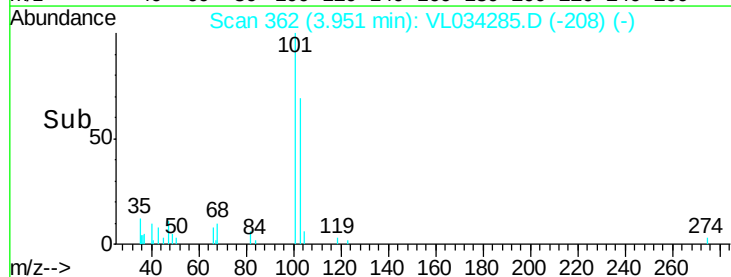
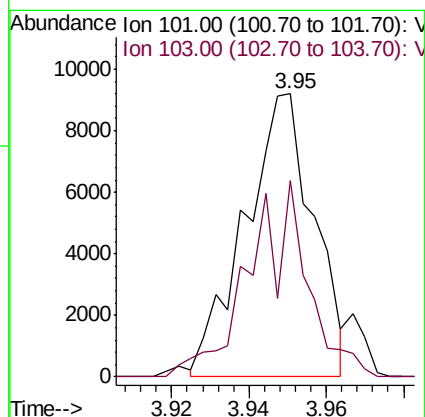
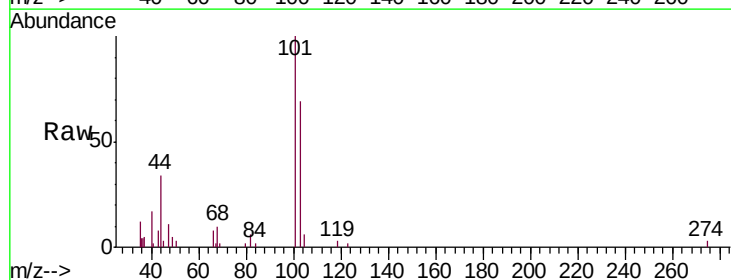
Acq: 14 Oct 2019 17:17

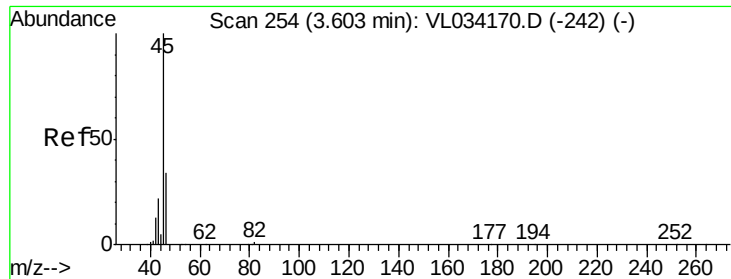
Tgt Ion: 101 Resp: 11342

Ion Ratio Lower Upper

101 100

103 64.0 52.1 78.1

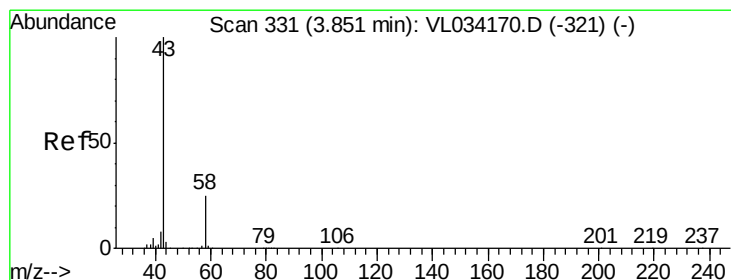
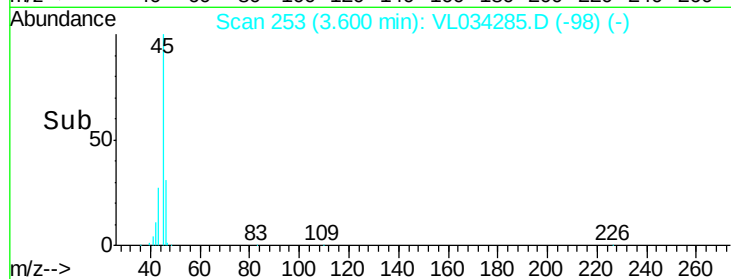
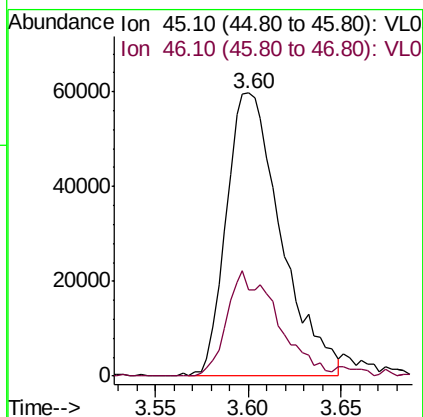
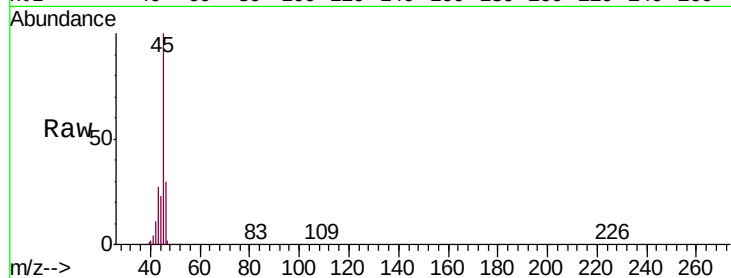




#13
Ethanol
Concen: 8.684 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.00 min
Lab File: VL034285.D
Acq: 14 Oct 2019 17:17

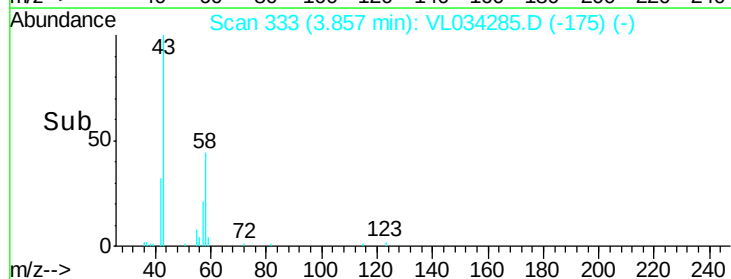
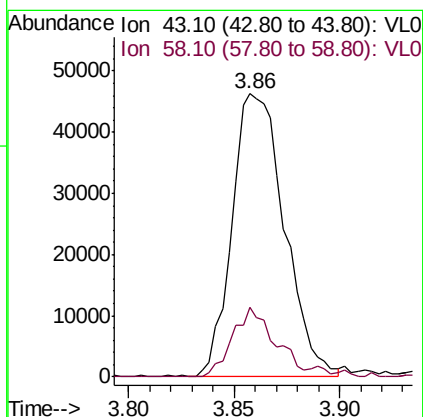
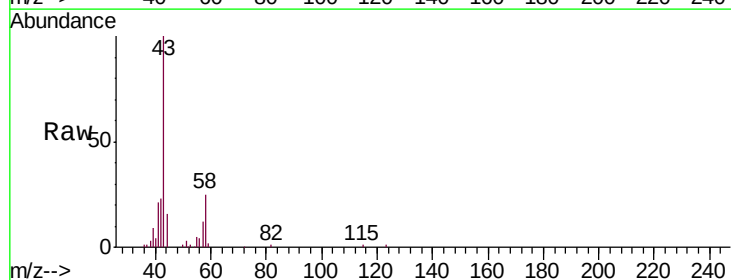
Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

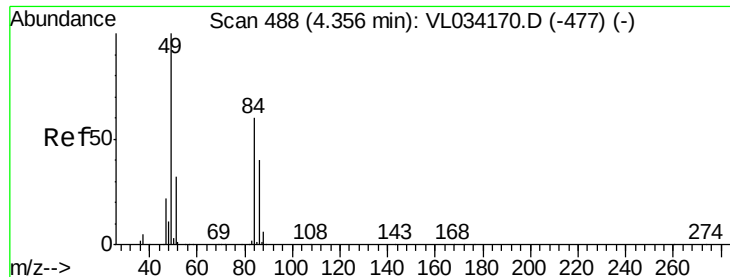
Tgt Ion: 45 Resp: 122250
Ion Ratio Lower Upper
45 100
46 36.9 15.5 61.9



#15
Acetone
Concen: 0.592 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.01 min
Lab File: VL034285.D
Acq: 14 Oct 2019 17:17

Tgt Ion: 43 Resp: 79703
Ion Ratio Lower Upper
43 100
58 21.7 20.5 30.7

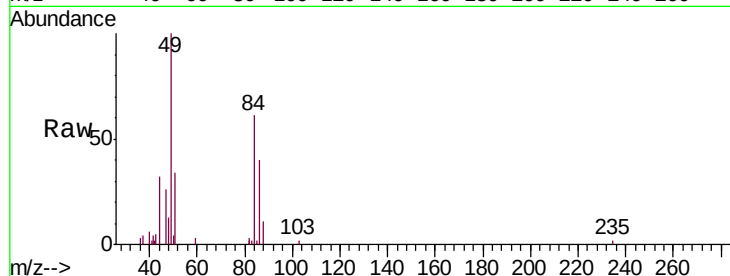




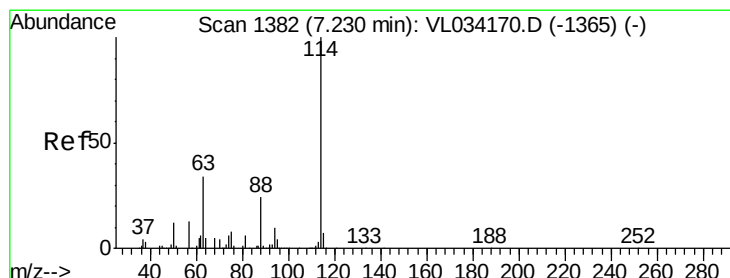
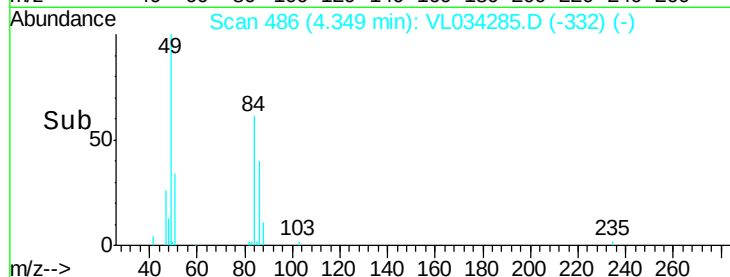
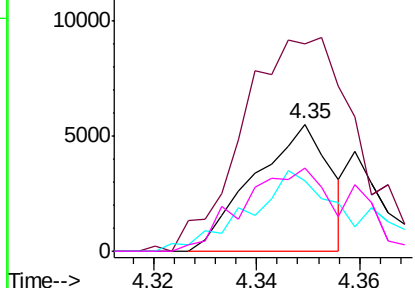
#20
Methylene Chloride
Concen: 0.145 ppbv
RT: 4.35 min Scan# 486
Delta R.T. -0.01 min
Lab File: VL034285.D
Acq: 14 Oct 2019 17:17

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion:	84	Resp:	5646
Ion	Ratio	Lower	Upper
84	100		
49	138.8	133.8	200.8
51	50.1	43.6	65.4
86	60.0	53.1	79.7

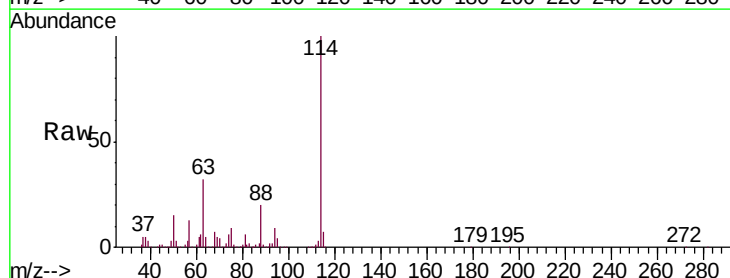


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

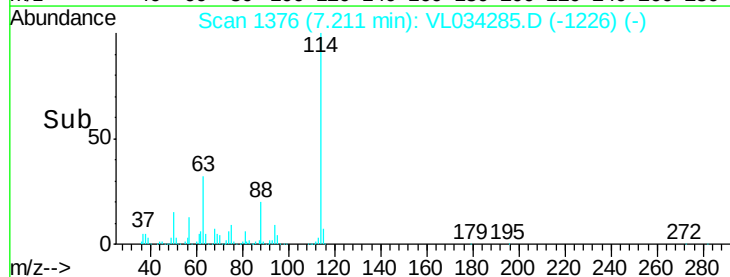
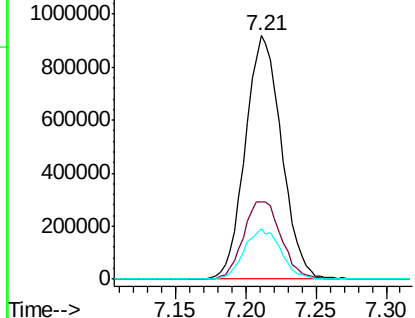


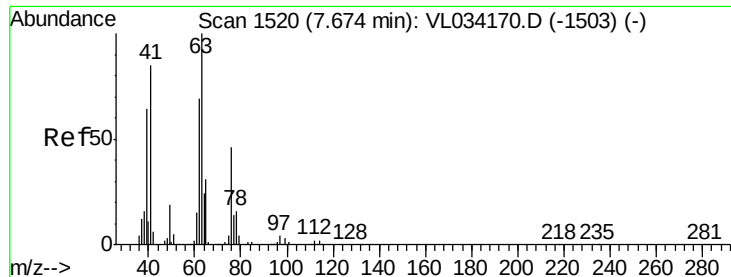
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1376
Delta R.T. -0.02 min
Lab File: VL034285.D
Acq: 14 Oct 2019 17:17

Tgt Ion:	114	Resp:	1654794
Ion	Ratio	Lower	Upper
114	100		
63	33.4	27.8	41.6
88	20.7	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: 6.616 ppbv

RT: 7.21 min Scan# 1375

Delta R.T. -0.47 min

Lab File: VL034285.D

Acq: 14 Oct 2019 17:17

Instrument :

MSVOA_L

ClientSampleId :

IA-1DL

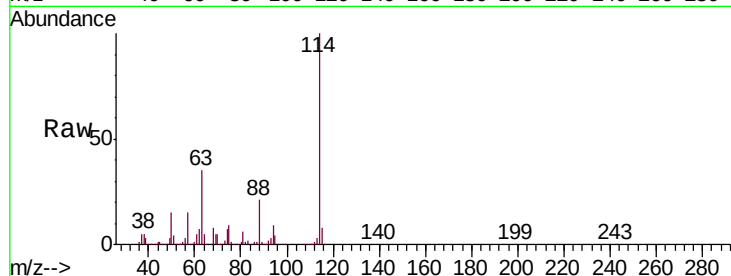
Tgt Ion: 63 Resp: 543312

Ion Ratio Lower Upper

63 100

41 0.1 68.4 102.6#

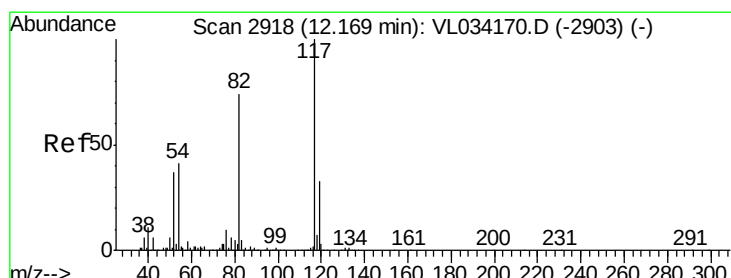
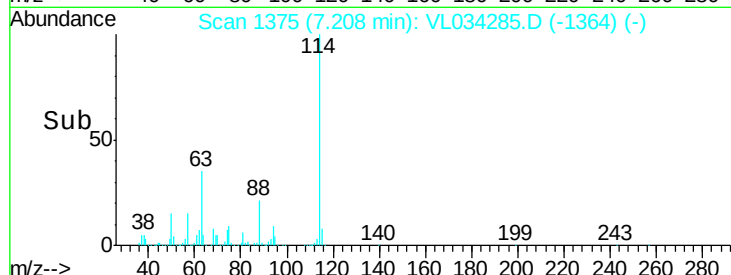
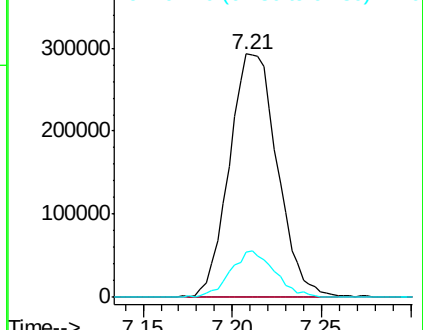
62 18.5 55.4 83.2#



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: VL034285.D

Acq: 14 Oct 2019 17:17

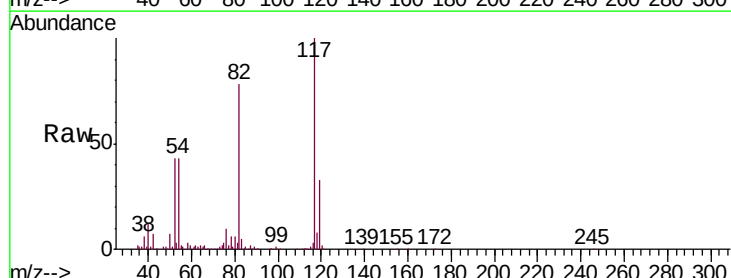
Tgt Ion: 117 Resp: 1648109

Ion Ratio Lower Upper

117 100

82 77.5 58.2 87.4

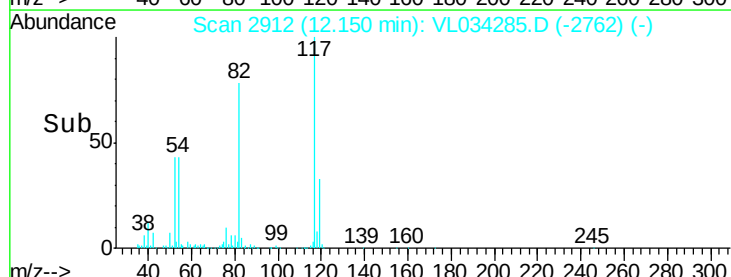
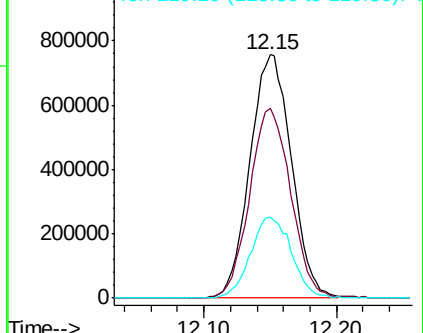
119 33.1 23.7 35.5

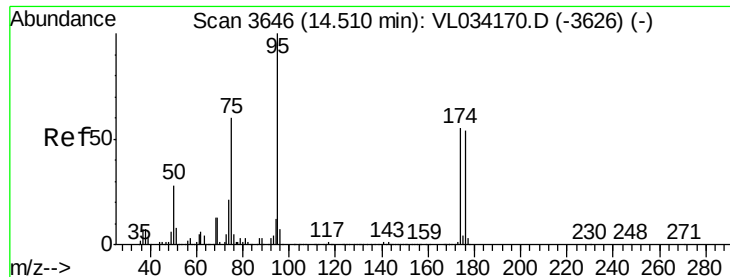


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.221 ppbv

RT: 14.48 min Scan# 3638

Delta R.T. -0.03 min

Lab File: VL034285.D

Acq: 14 Oct 2019 17:17

Instrument :

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ClientSampleId :

IA-1DL

Tgt Ion: 95 Resp: 1463805

Ion Ratio Lower Upper

95 100

174 54.8 45.1 67.7

175 3.9 3.3 4.9

