

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101419\
 Data File : VL034293.D
 Acq On : 14 Oct 2019 22:37
 Operator : SY/AP
 Sample : K5302-03DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

Quant Time: Oct 15 02:51:14 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	1006796	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.21	114	1666659	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.15	117	1642962	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1462729	10.25	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.50%

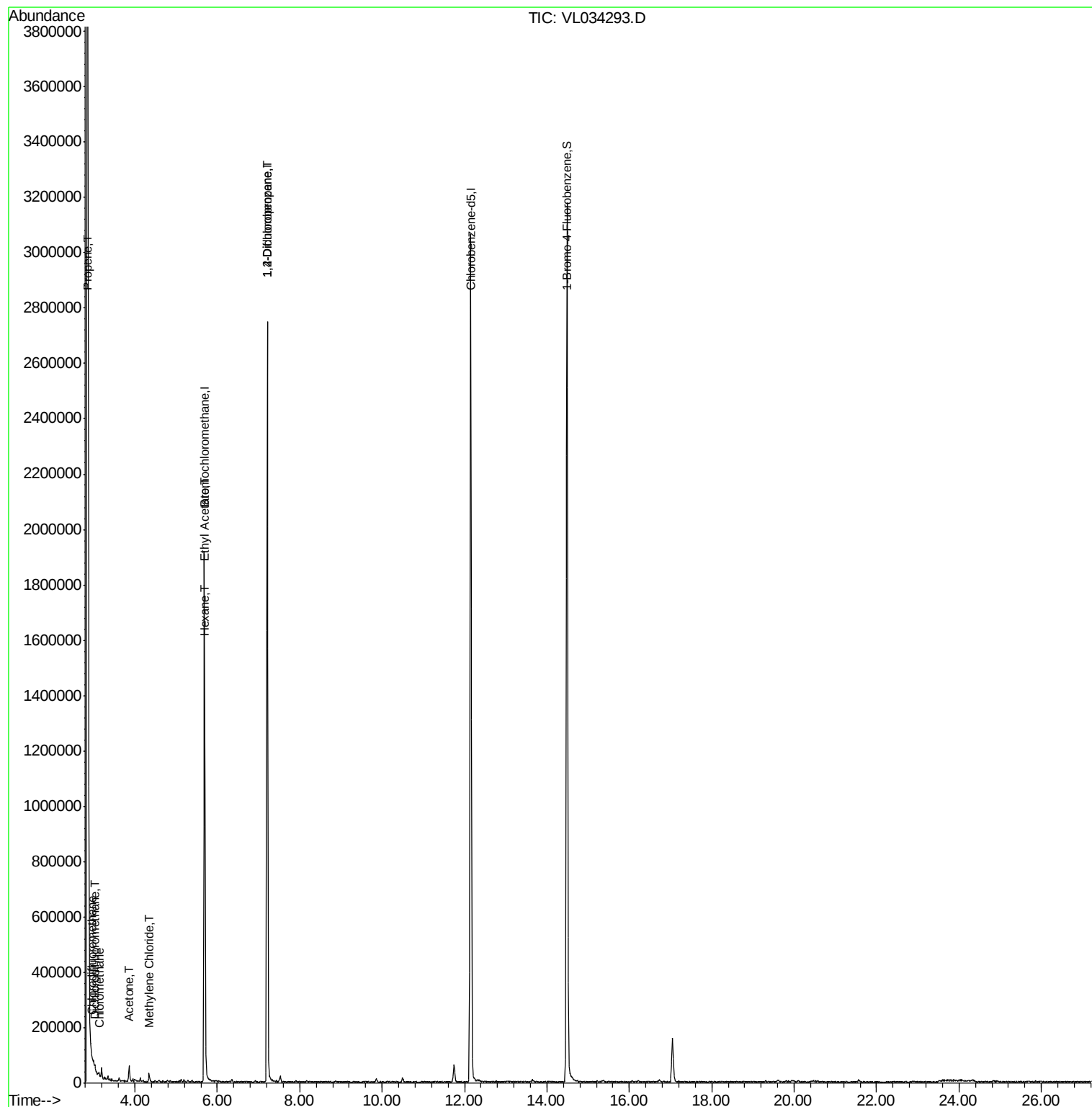
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	8869	0.060	ppbv #	72
3) Chlorodifluoromethane	2.97	51	5511	0.047	ppbv	98
4) Chloromethane	3.12	50	2786	0.040	ppbv #	77
9) Propene	2.86	41	1835	0.032	ppbv	86
15) Acetone	3.85	43	50909	0.377	ppbv	90
20) Methylene Chloride	4.34	84	3825	0.098	ppbv	91
25) Ethyl Acetate	5.70	43	8243	0.032	ppbv #	78
26) Hexane	5.71	57	7663	0.072	ppbv #	42
39) 1,2-Dichloropropane	7.21	63	542445	6.559	ppbv #	21

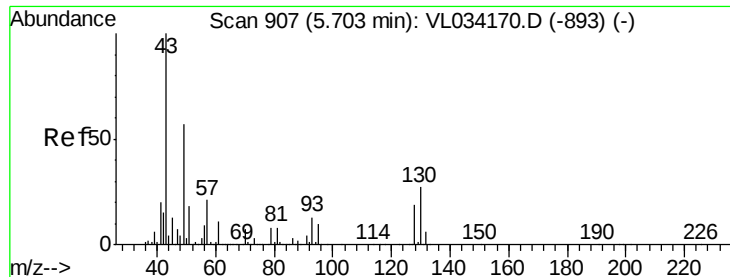
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
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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: VL034293.D

Acq: 14 Oct 2019 22:37

Instrument :

MSVOA_L

ClientSampleId :

QA1DL

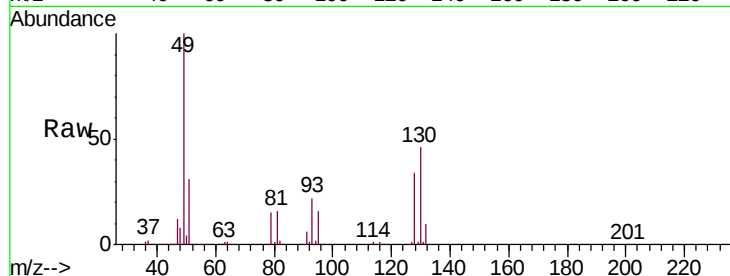
Tgt Ion: 49 Resp: 1006796

Ion Ratio Lower Upper

49 100

128 35.5 17.6 52.9

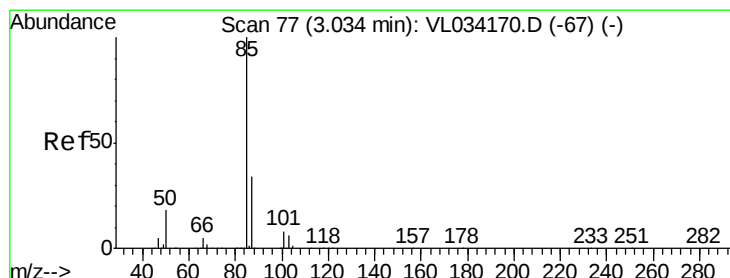
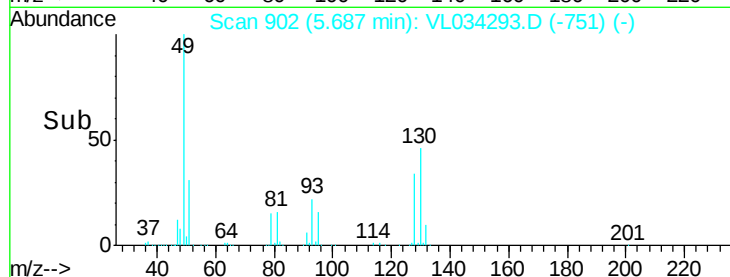
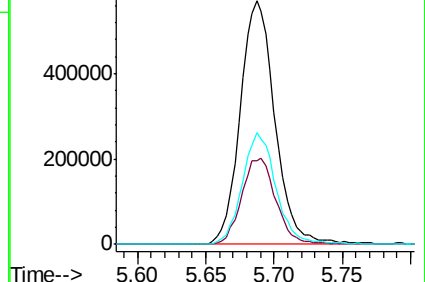
130 44.9 22.3 66.9



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: 0.060 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.01 min

Lab File: VL034293.D

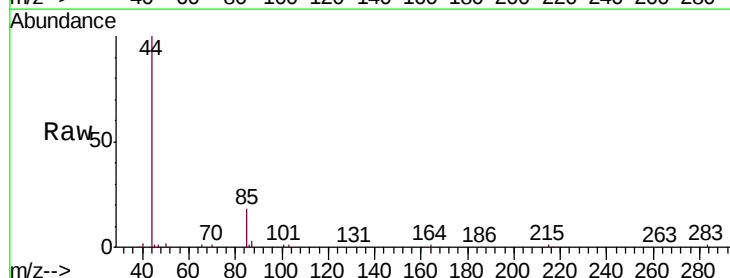
Acq: 14 Oct 2019 22:37

Tgt Ion: 85 Resp: 8869

Ion Ratio Lower Upper

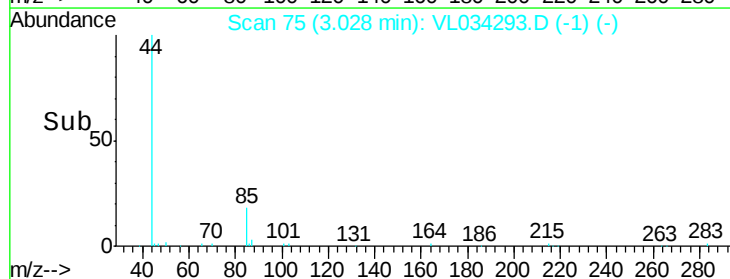
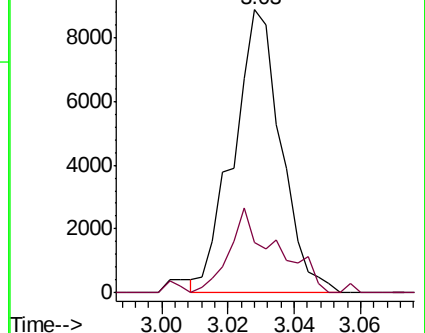
85 100

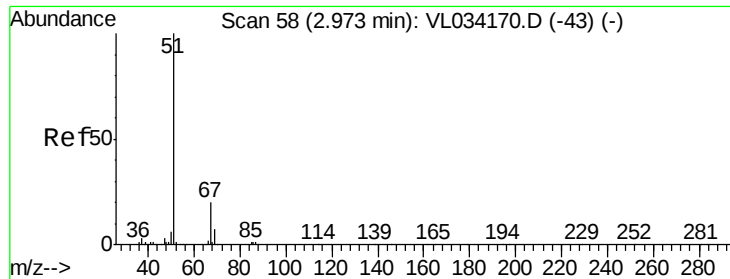
87 17.8 27.2 40.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.047 ppbv

RT: 2.97 min Scan# 58

Delta R.T. 0.00 min

Lab File: VL034293.D

Acq: 14 Oct 2019 22:37

Instrument :

MSVOA_L

ClientSampleId :

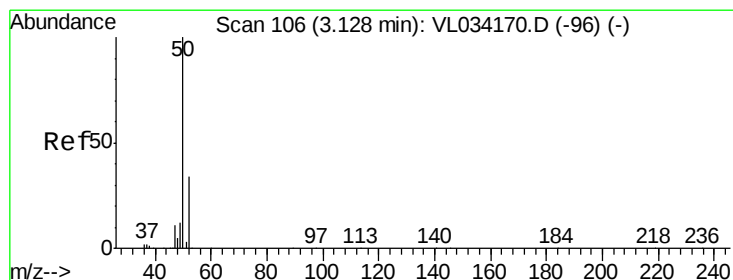
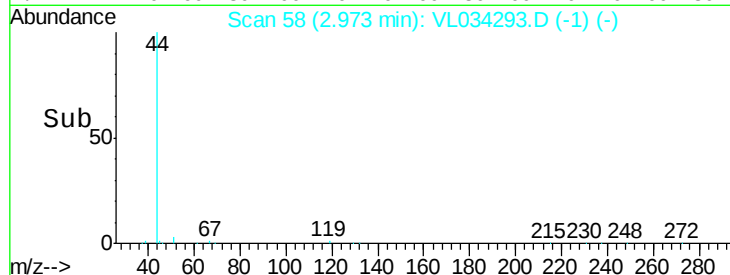
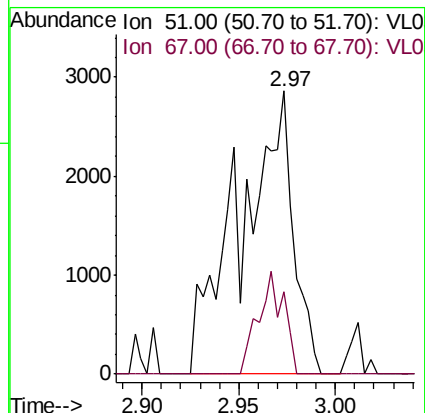
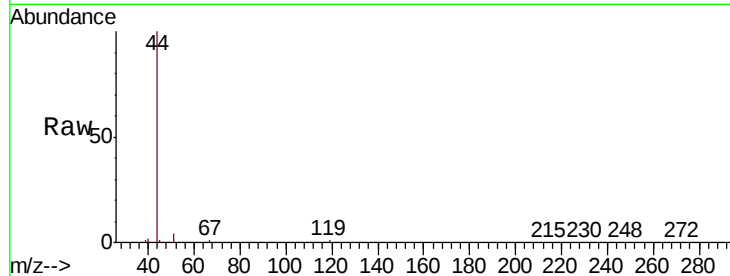
QA1DL

Tgt Ion: 51 Resp: 5511

Ion Ratio Lower Upper

51 100

67 17.4 14.8 22.2



#4

Chloromethane

Concen: 0.040 ppbv

RT: 3.12 min Scan# 103

Delta R.T. -0.01 min

Lab File: VL034293.D

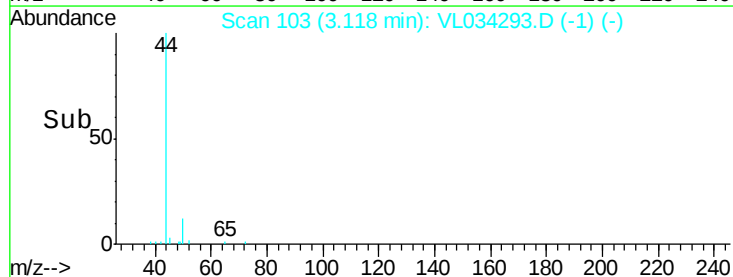
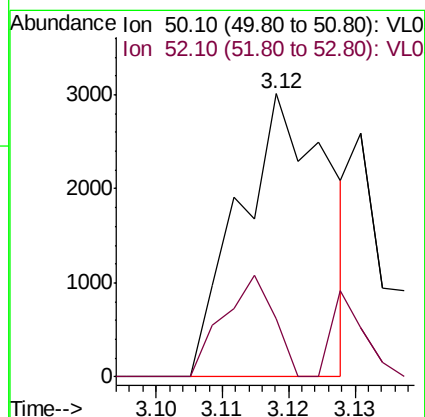
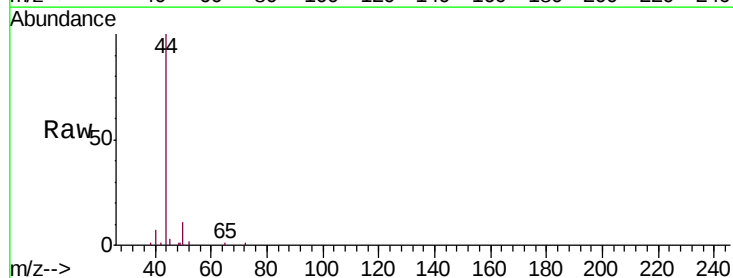
Acq: 14 Oct 2019 22:37

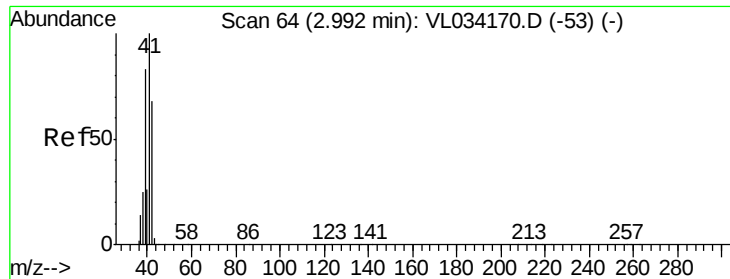
Tgt Ion: 50 Resp: 2786

Ion Ratio Lower Upper

50 100

52 20.5 27.1 40.7#





#9

Propene

Concen: 0.032 ppbv

RT: 2.86 min Scan# 24

Delta R.T. -0.13 min

Lab File: VL034293.D

Acq: 14 Oct 2019 22:37

Instrument :

MSVOA_L

ClientSampleId :

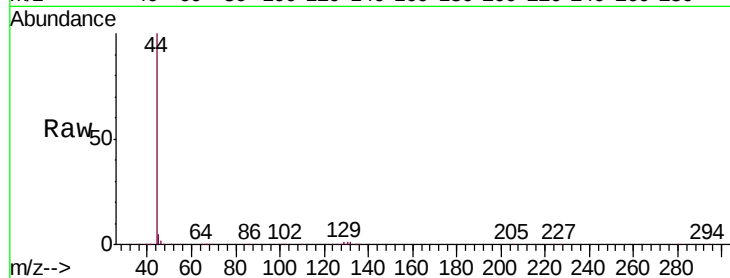
QA1DL

Tgt Ion: 41 Resp: 1835

Ion Ratio Lower Upper

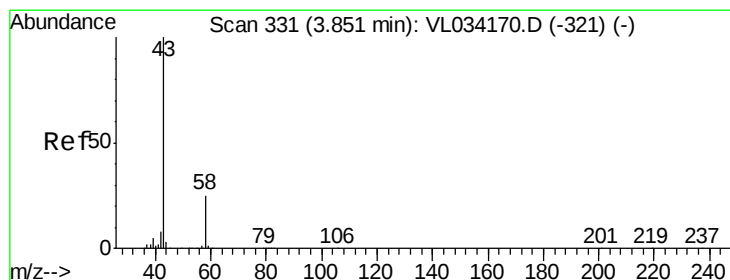
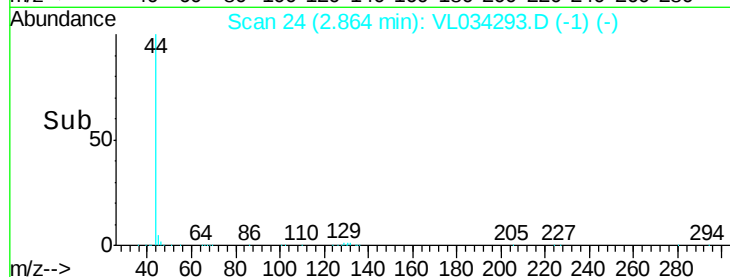
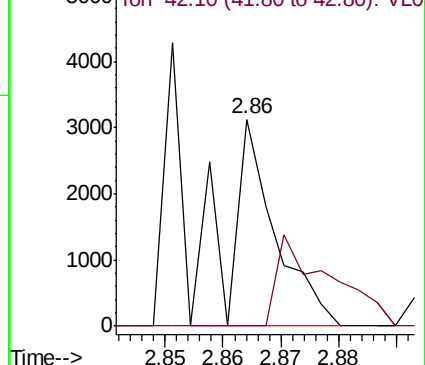
41 100

42 58.3 55.8 83.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#15

Acetone

Concen: 0.377 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.00 min

Lab File: VL034293.D

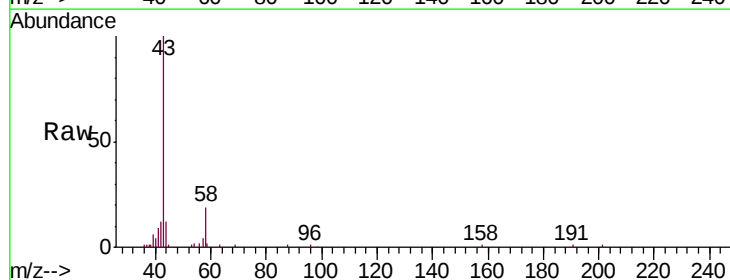
Acq: 14 Oct 2019 22:37

Tgt Ion: 43 Resp: 50909

Ion Ratio Lower Upper

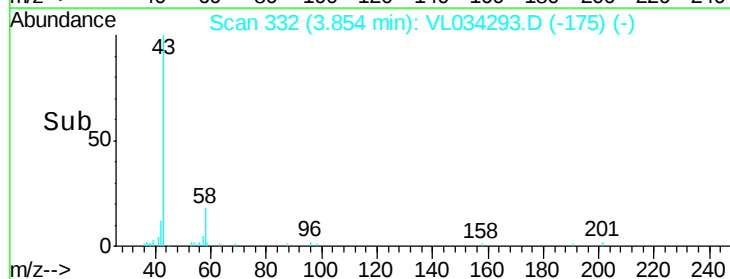
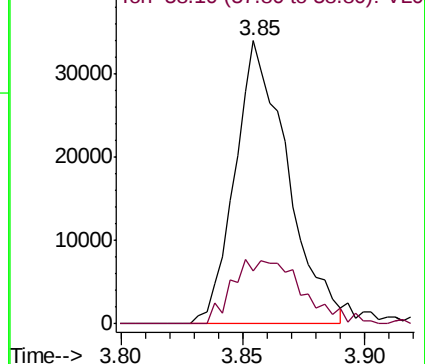
43 100

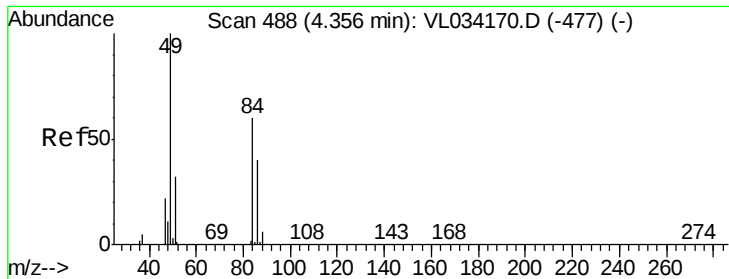
58 30.5 20.5 30.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

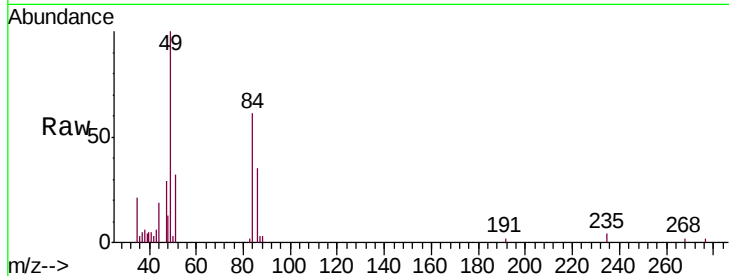




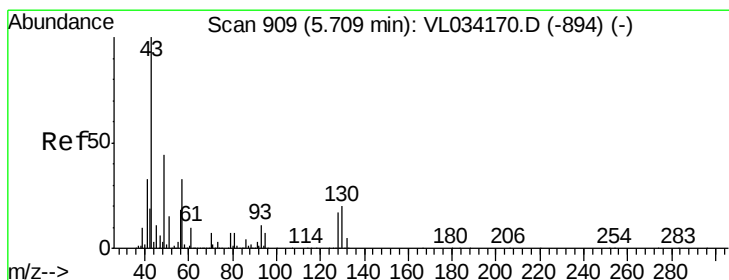
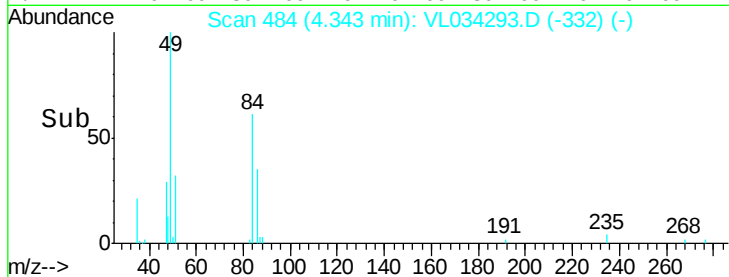
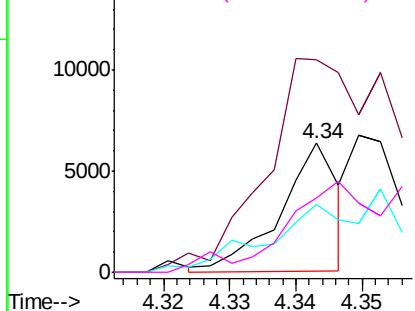
#20
Methylene Chloride
Concen: 0.098 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.01 min
Lab File: VL034293.D
Acq: 14 Oct 2019 22:37

Instrument :
MSVOA_L
ClientSampleId :
OA1DL

Tgt Ion:	84	Resp:	3825
Ion	Ratio	Lower	Upper
84	100		
49	157.0	133.8	200.8
51	51.4	43.6	65.4
86	54.3	53.1	79.7

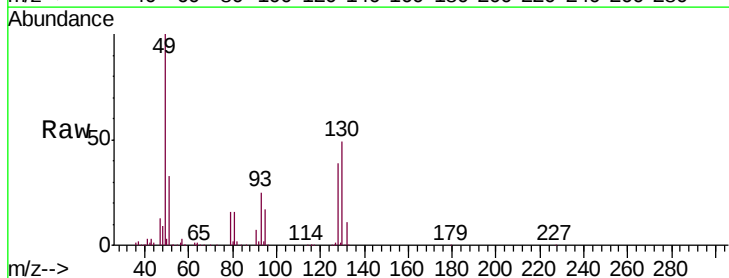


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

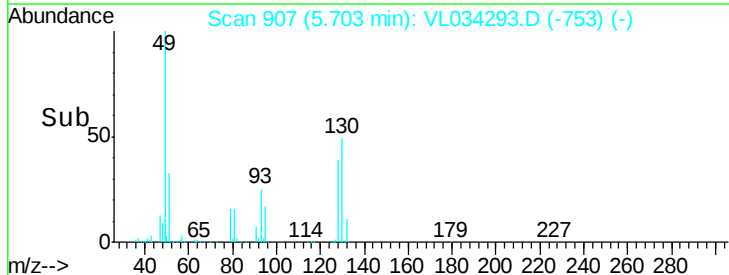
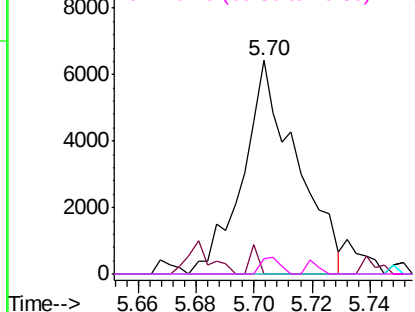


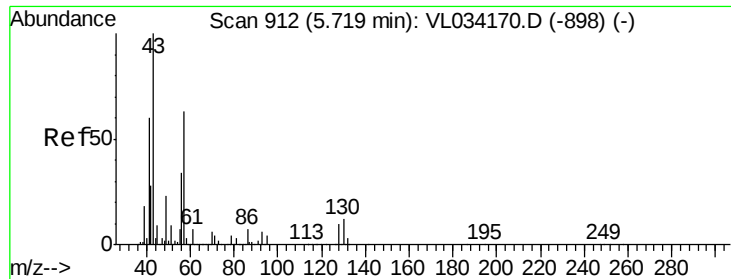
#25
Ethyl Acetate
Concen: 0.032 ppbv
RT: 5.70 min Scan# 907
Delta R.T. -0.01 min
Lab File: VL034293.D
Acq: 14 Oct 2019 22:37

Tgt Ion:	43	Resp:	8243
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.4	12.6#
61	0.0	7.2	10.8#
70	4.3	5.3	7.9#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

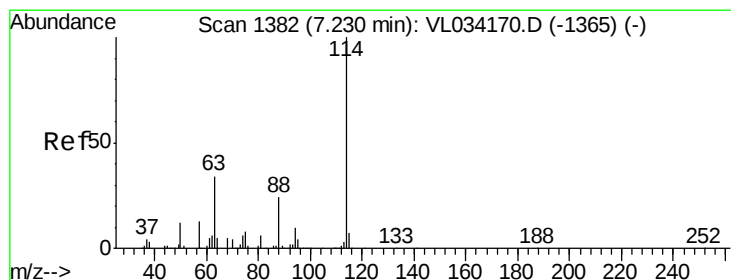
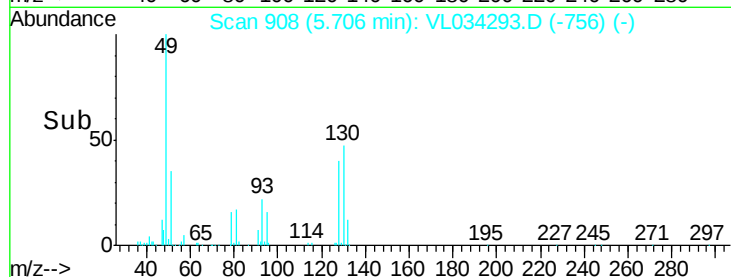
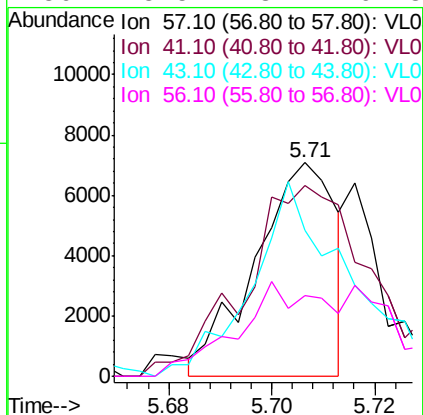
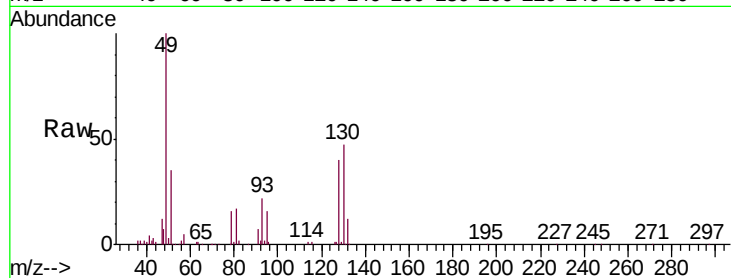




#26
Hexane
Concen: 0.072 ppbv
RT: 5.71 min Scan# 908
Delta R.T. -0.01 min
Lab File: VL034293.D
Acq: 14 Oct 2019 22:37

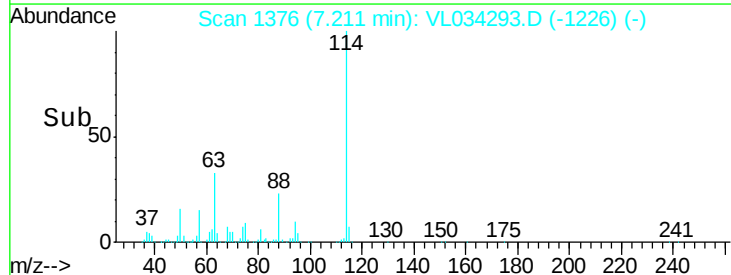
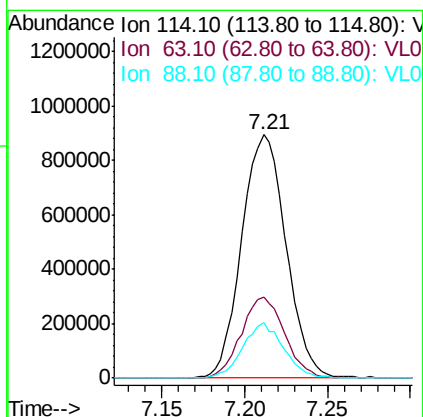
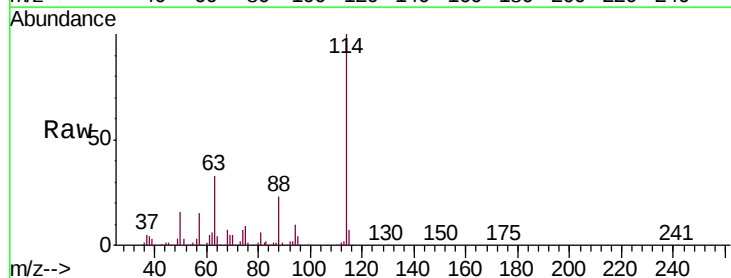
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MSVOA_L
ClientSampleId :
OA1DL

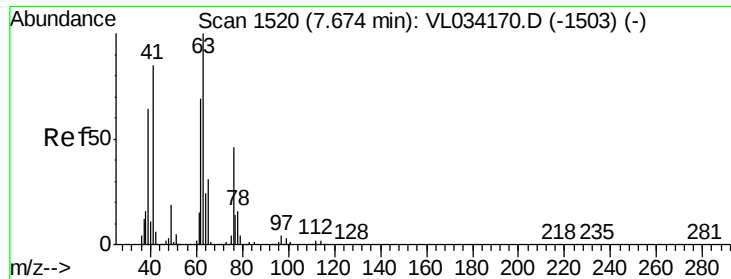
Tgt Ion: 57 Resp: 7663
Ion Ratio Lower Upper
57 100
41 141.0 78.5 117.7#
43 118.0 189.5 284.3#
56 75.5 43.2 64.8#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1376
Delta R.T. -0.02 min
Lab File: VL034293.D
Acq: 14 Oct 2019 22:37

Tgt Ion: 114 Resp: 1666659
Ion Ratio Lower Upper
114 100
63 32.7 27.8 41.6
88 21.0 17.1 25.7

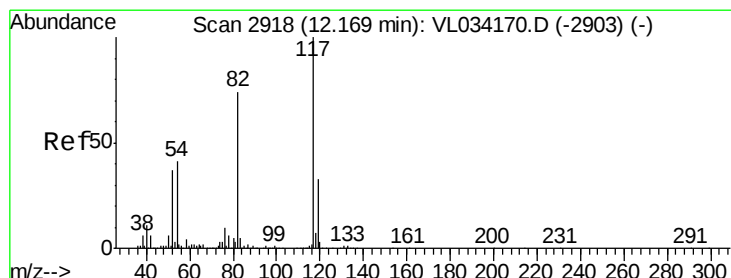
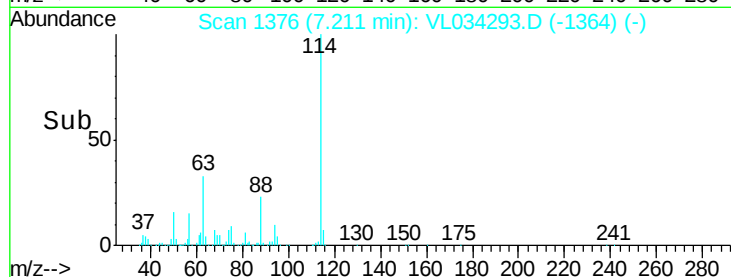
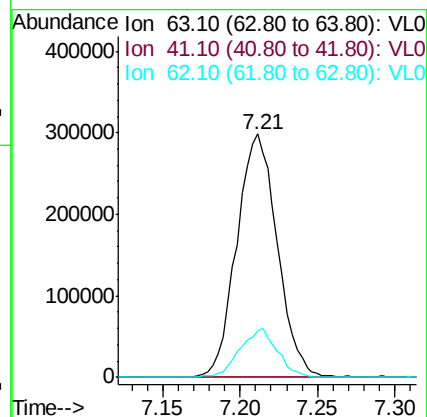
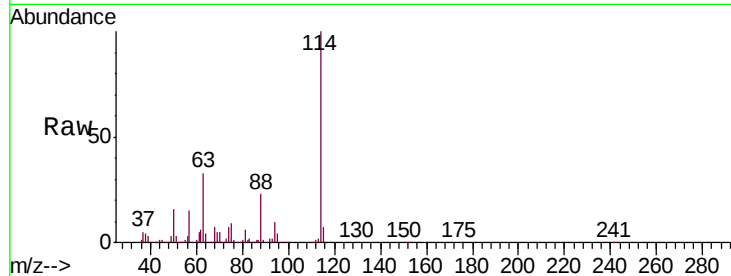




#39
 1,2-Dichloropropane
 Concen: 6.559 ppbv
 RT: 7.21 min Scan# 1376
 Delta R.T. -0.46 min
 Lab File: VL034293.D
 Acq: 14 Oct 2019 22:37

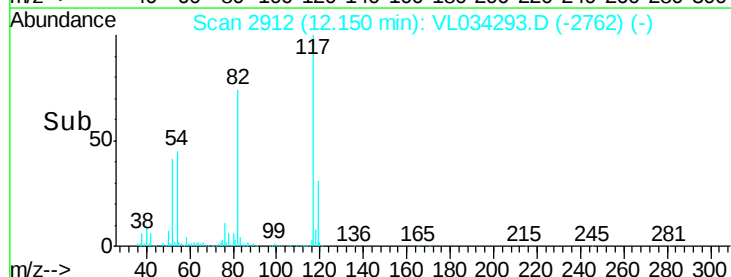
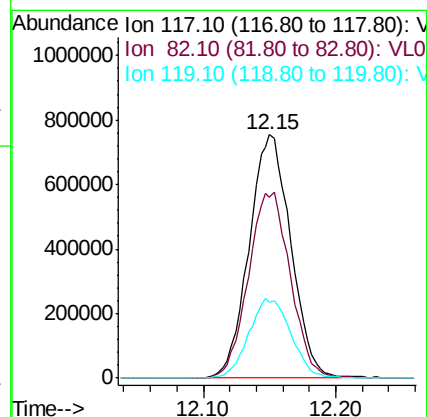
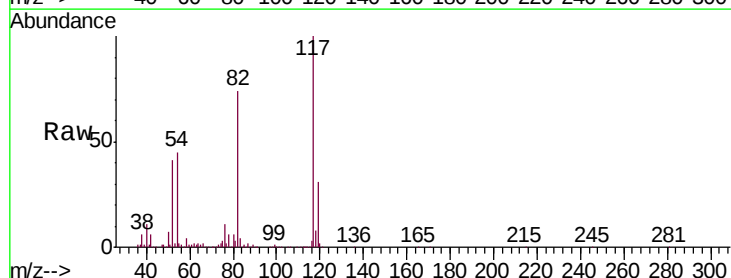
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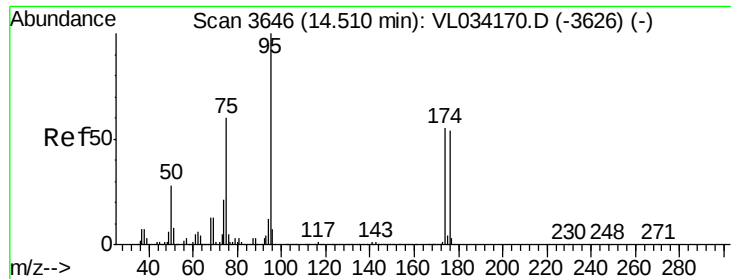
Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.0	68.4	102.6#
62	18.9	55.4	83.2#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.15 min Scan# 2912
 Delta R.T. -0.02 min
 Lab File: VL034293.D
 Acq: 14 Oct 2019 22:37

Tgt Ion	Ratio	Lower	Upper
117	100		
82	77.3	58.2	87.4
119	33.2	23.7	35.5





#68

1-Bromo-4-Fluorobenzene

Concen: 10.246 ppbv

RT: 14.49 min Scan# 3639

Delta R.T. -0.02 min

Lab File: VL034293.D

Acq: 14 Oct 2019 22:37

Instrument :

MSVOA_L

ClientSampleId :

QA1DL

Tgt Ion: 95 Resp: 1462729

Ion Ratio Lower Upper

95 100

174 55.0 45.1 67.7

175 4.2 3.3 4.9

