

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120919\
 Data File : VL034490.D
 Acq On : 10 Dec 2019 10:25
 Operator : SY/AP
 Sample : OC120919 CAN 10488
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC120919 CAN 10488

Quant Time: Dec 10 13:17:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019
 QLast Update : Tue Nov 19 14:15:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	816468	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	1632317	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	1609026	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1384437	10.23	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

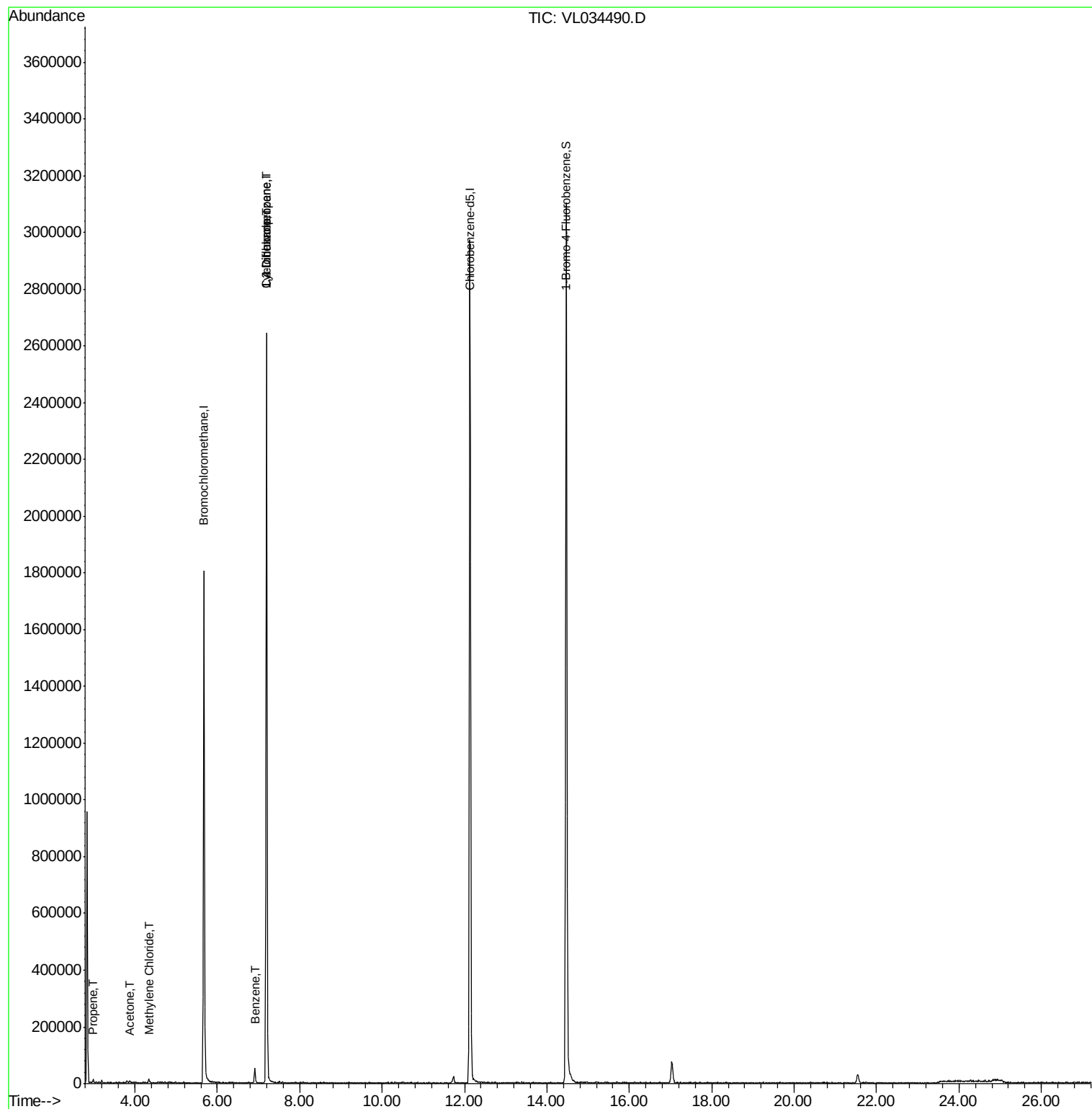
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	1681	0.037	ppbv	92
15) Acetone	3.86	43	6457	0.055	ppbv #	77
20) Methylene Chloride	4.34	84	2287	0.055	ppbv #	80
30) Cyclohexane	7.19	84	4315	0.064	ppbv #	1
36) Benzene	6.91	78	33258	0.204	ppbv #	88
39) 1,2-Dichloropropane	7.19	63	488671	7.774	ppbv #	24

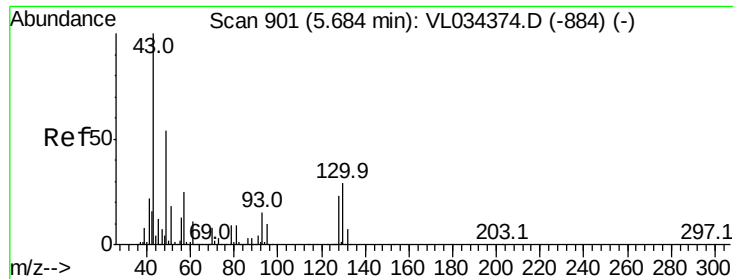
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL120919\
Data File : VL034490.D
Acq On : 10 Dec 2019 10:25
Operator : SY/AP
Sample : OC120919 CAN 10488
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC120919 CAN 10488

Quant Time: Dec 10 13:17:57 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

Lab File: VL034490.D

Acq: 10 Dec 2019 10:25

Instrument :

MSVOA_L

ClientSampleId :

QC120919 CAN 10488

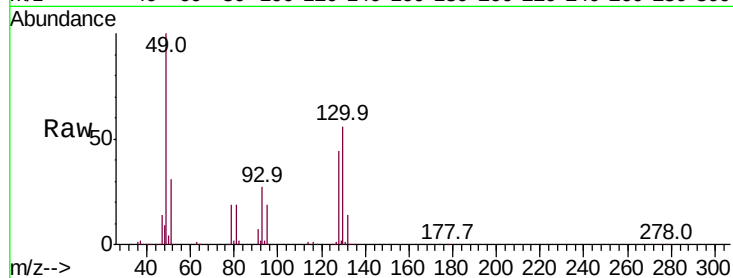
Tot Ion: 49 Resp: 816468

Ion Ratio Lower Upper

49 100

128 44.6 21.8 65.3

130 56.3 28.0 84.0



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

5.67

600000

500000

400000

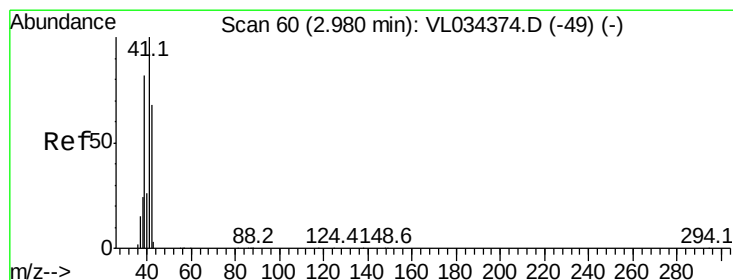
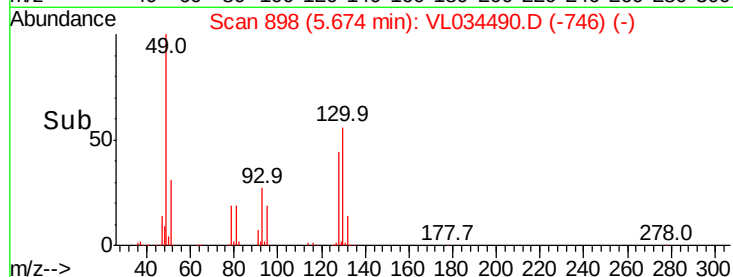
300000

200000

100000

0

Time-->



#9

Propene

Concen: 0.037 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.01 min

Lab File: VL034490.D

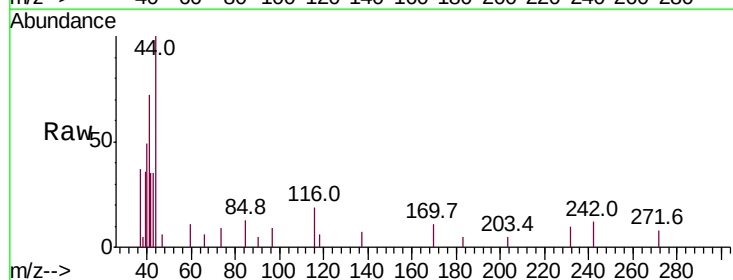
Acq: 10 Dec 2019 10:25

Tgt Ion: 41 Resp: 1681

Ion Ratio Lower Upper

41 100

42 61.5 54.6 82.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

2.99

2500

2000

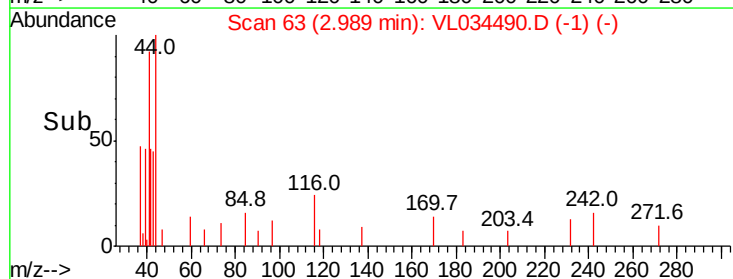
1500

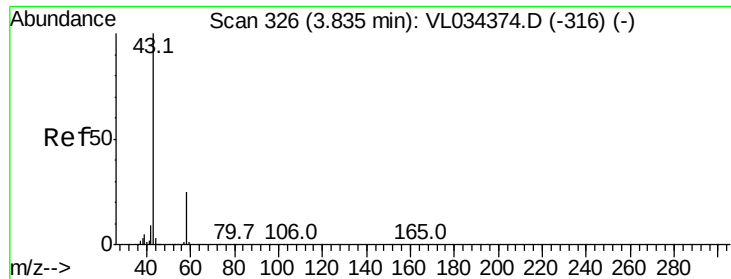
1000

500

0

Time-->

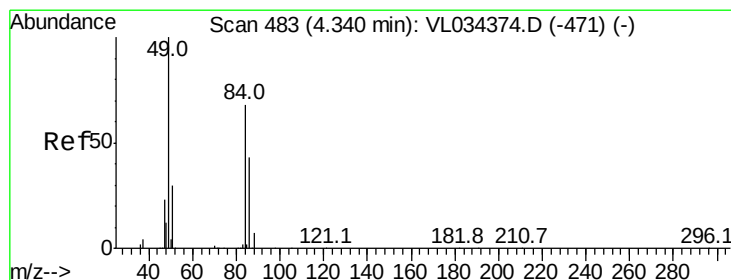
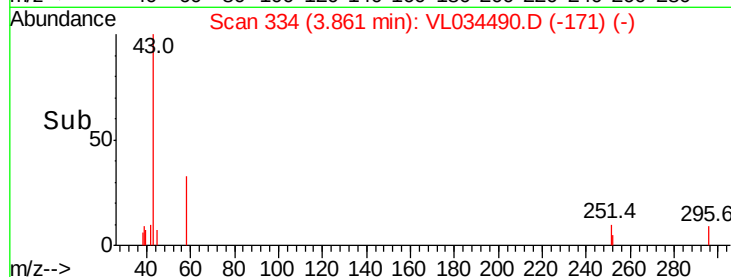
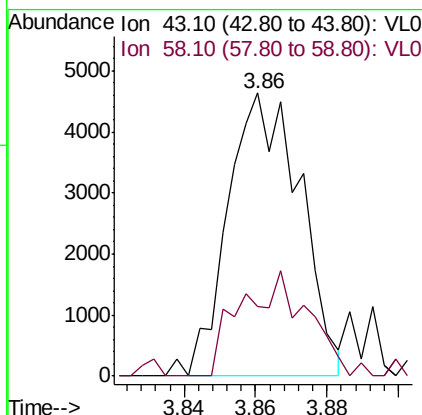
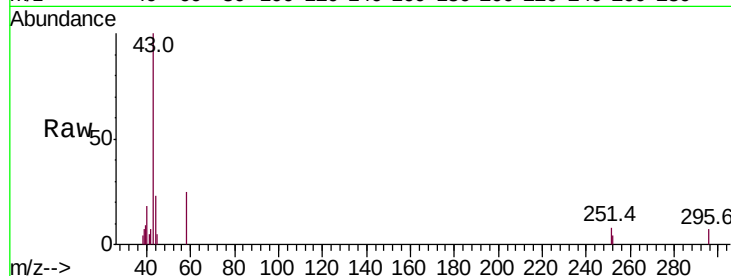




#15
Acetone
Concen: 0.055 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.03 min
Lab File: VL034490.D
Acq: 10 Dec 2019 10:25

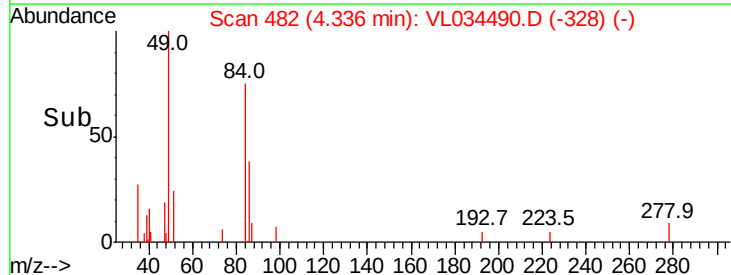
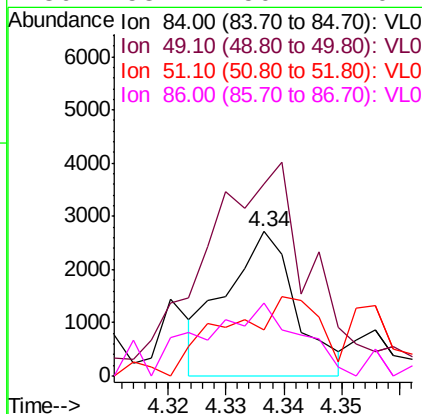
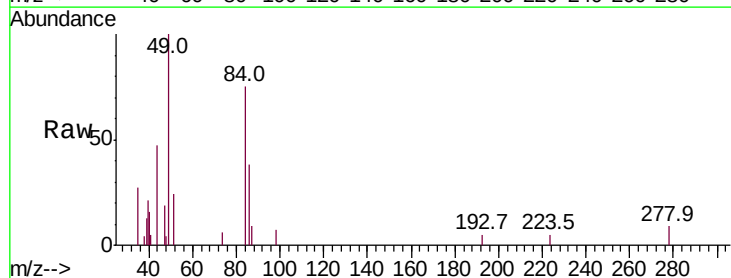
Instrument :
MSVOA_L
ClientSampleId :
QC120919 CAN 10488

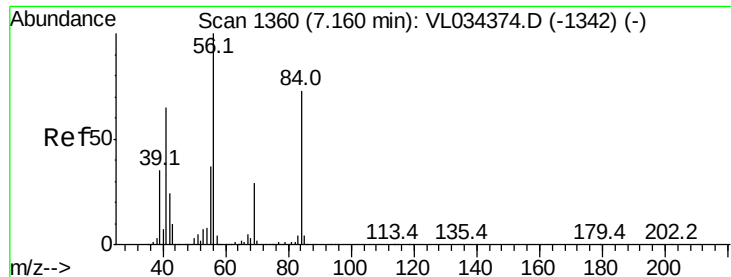
Tot Ion: 43 Resp: 6457
Ion Ratio Lower Upper
43 100
58 37.1 20.2 30.4#



#20
Methylene Chloride
Concen: 0.055 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.00 min
Lab File: VL034490.D
Acq: 10 Dec 2019 10:25

Tgt Ion: 84 Resp: 2287
Ion Ratio Lower Upper
84 100
49 119.2 116.8 175.2
51 26.8 35.6 53.4#
86 53.1 50.7 76.1





#30

Cyclohexane

Concen: 0.064 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. 0.03 min

Lab File: VL034490.D

Acq: 10 Dec 2019 10:25

Instrument :

MSVOA_L

ClientSampleId :

QC120919 CAN 10488

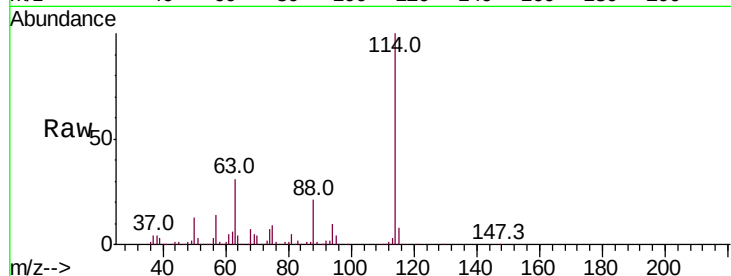
Tot Ion: 84 Resp: 4315

Ion Ratio Lower Upper

84 100

56 0.0 112.6 169.0#

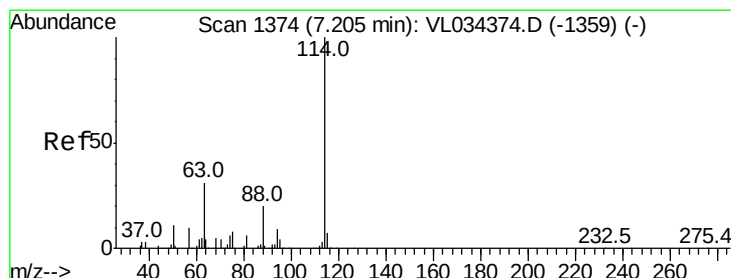
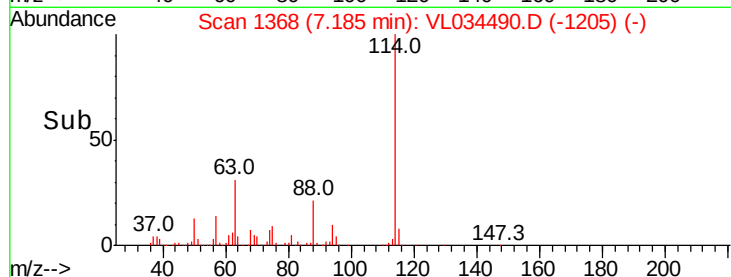
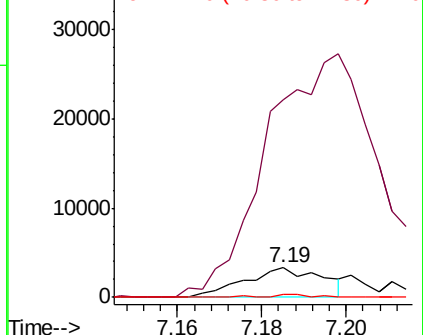
41 4.4 73.4 110.2#



Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1371

Delta R.T. -0.01 min

Lab File: VL034490.D

Acq: 10 Dec 2019 10:25

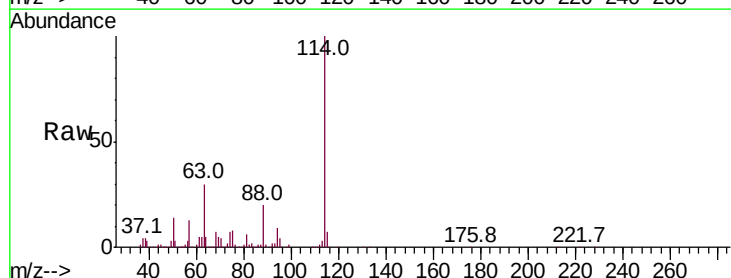
Tgt Ion:114 Resp: 1632317

Ion Ratio Lower Upper

114 100

63 30.1 24.2 36.4

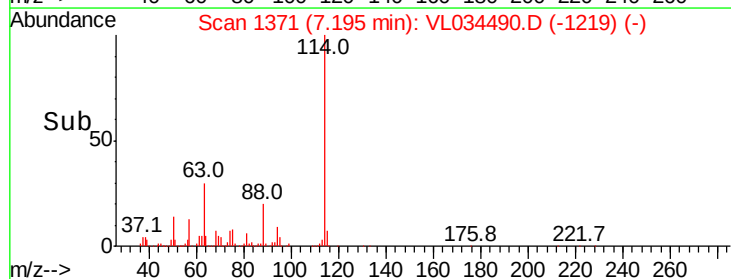
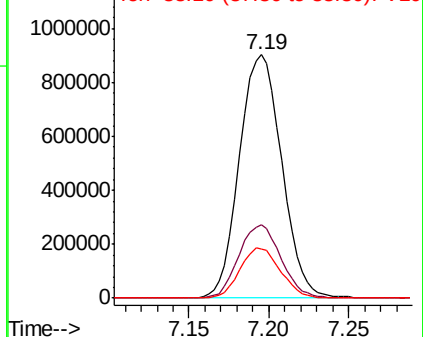
88 19.9 15.9 23.9

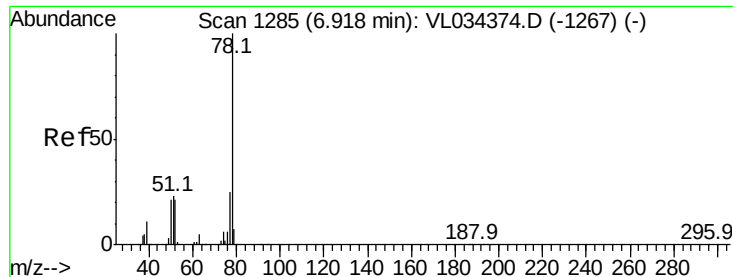


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#36

Benzene

Concen: 0.204 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VL034490.D

Acq: 10 Dec 2019 10:25

Instrument :

MSVOA_L

ClientSampleId :

QC120919 CAN 10488

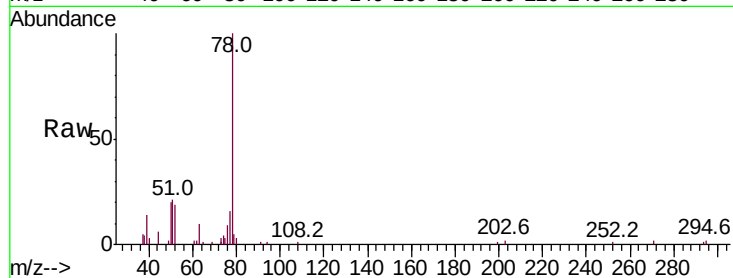
Tot Ion: 78 Resp: 33258

Ion Ratio Lower Upper

78 100

77 15.8 20.2 30.4#

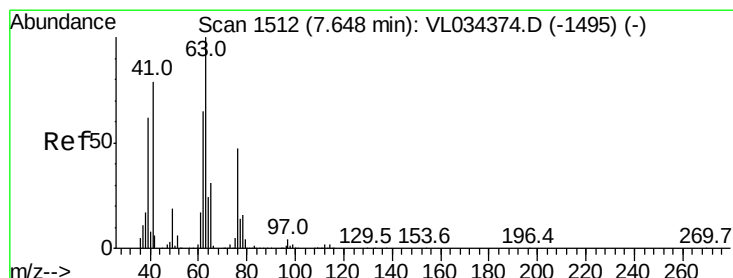
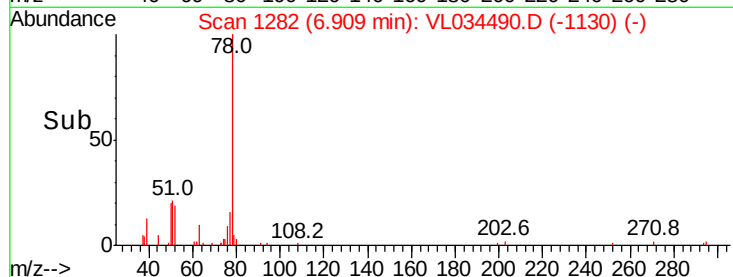
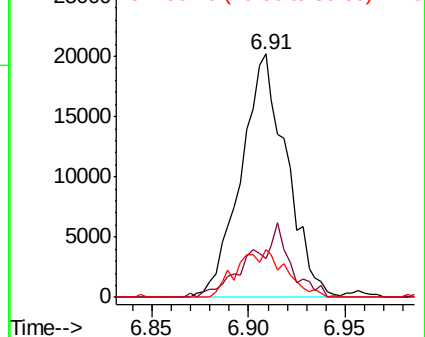
50 19.6 17.1 25.7



Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0



#39

1,2-Dichloropropane

Concen: 7.774 ppbv

RT: 7.19 min Scan# 1371

Delta R.T. -0.45 min

Lab File: VL034490.D

Acq: 10 Dec 2019 10:25

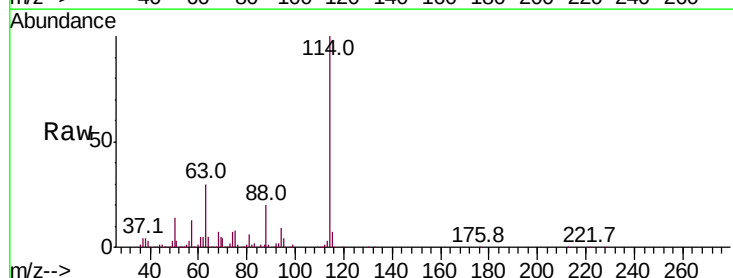
Tgt Ion: 63 Resp: 488671

Ion Ratio Lower Upper

63 100

41 0.1 63.1 94.7#

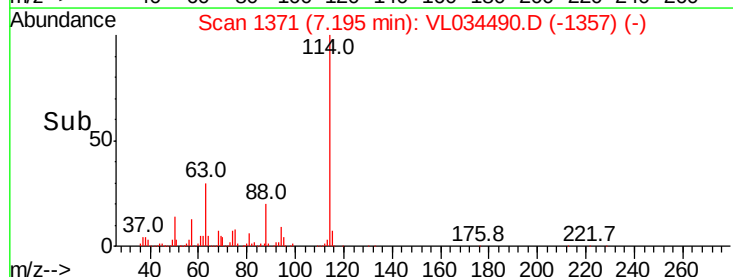
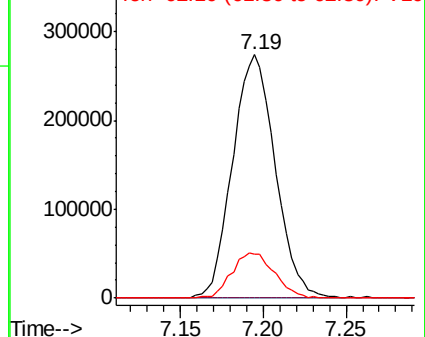
62 18.0 52.3 78.5#

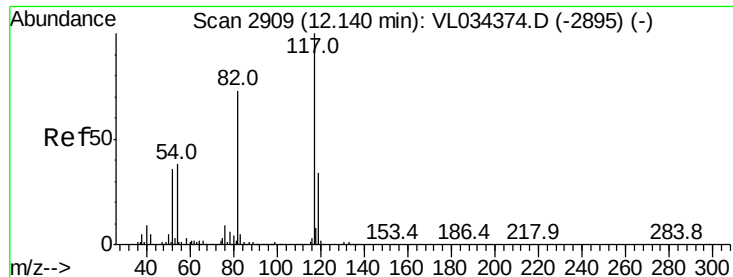


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

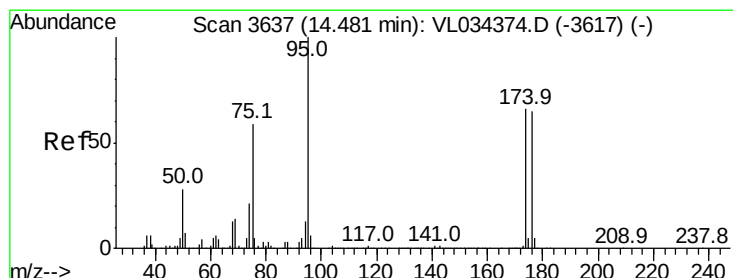
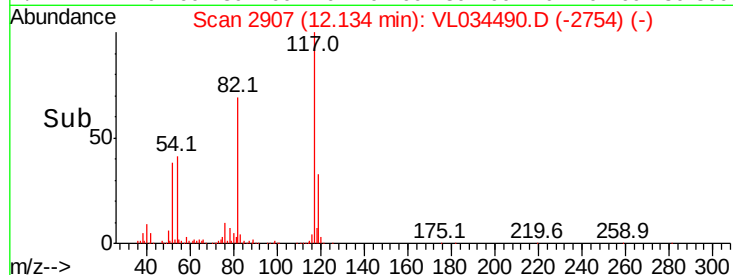
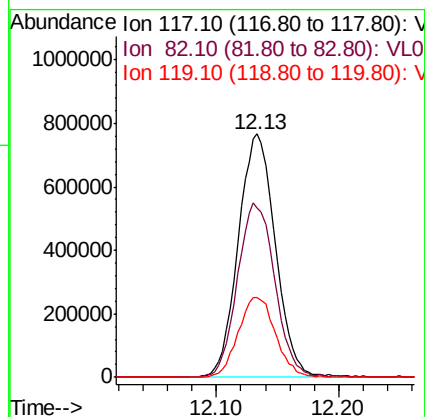
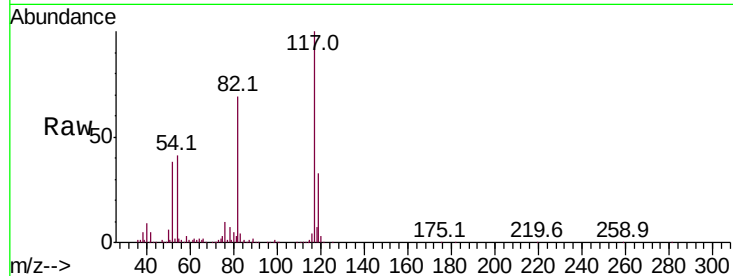




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. -0.01 min
Lab File: VL034490.D
Acq: 10 Dec 2019 10:25

Instrument :
MSVOA_L
ClientSampleId :
QC120919 CAN 10488

Tot Ion:117 Resp: 1609026
Ion Ratio Lower Upper
117 100
82 72.7 57.5 86.3
119 33.1 25.4 38.2



#68
1-Bromo-4-Fluorobenzene
Concen: 10.228 ppbv
RT: 14.47 min Scan# 3634
Delta R.T. -0.01 min
Lab File: VL034490.D
Acq: 10 Dec 2019 10:25

Tgt Ion: 95 Resp: 1384437
Ion Ratio Lower Upper
95 100
174 63.9 52.2 78.2
175 4.6 3.8 5.8

