

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120919\
 Data File : VL034479.D
 Acq On : 10 Dec 2019 00:46
 Operator : SY/AP
 Sample : K6195-06DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 A-2DL

Quant Time: Dec 10 03:42:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	862831	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.19	114	1678579	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	1691156	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1468378	10.32	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.20%

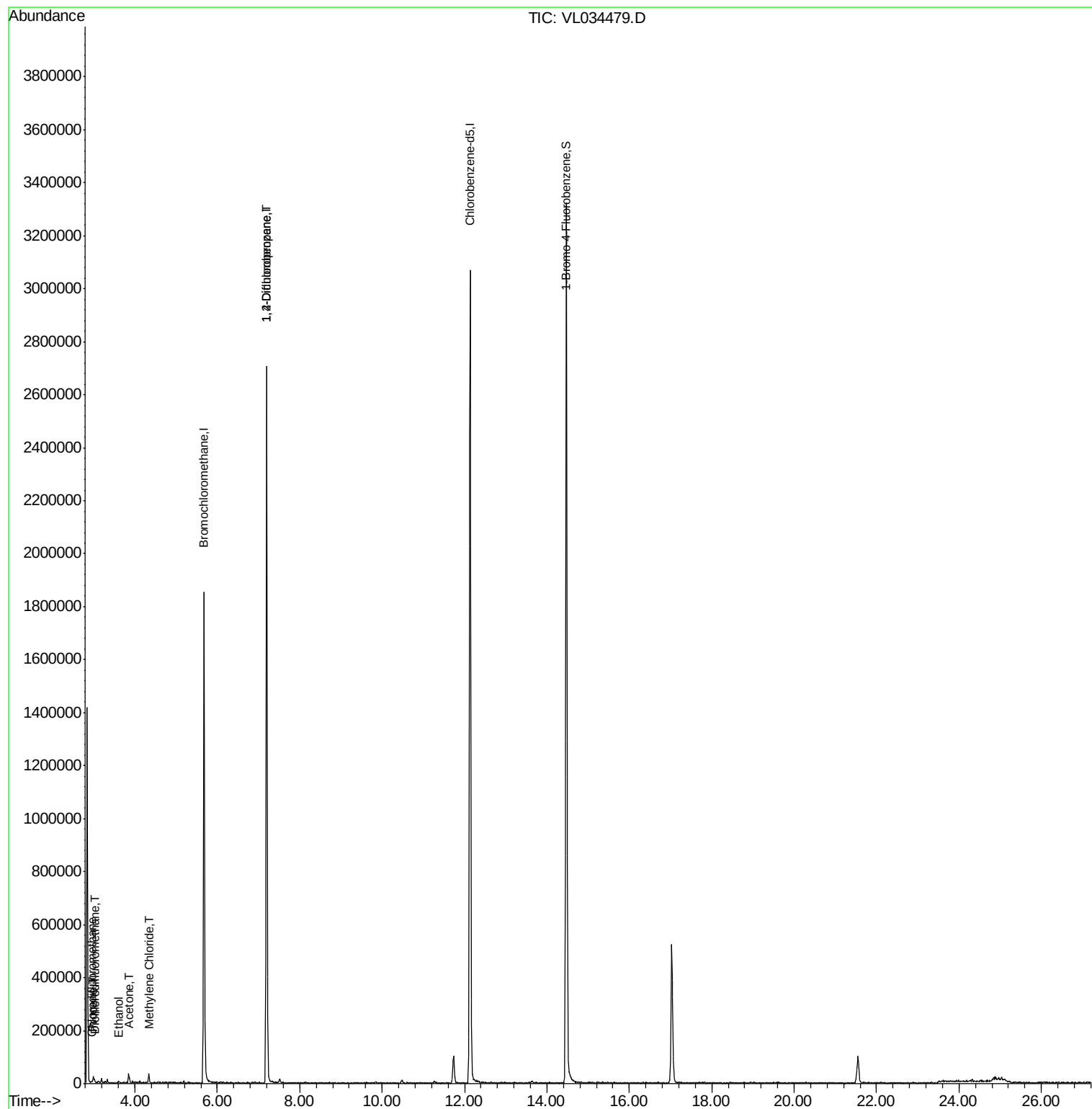
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.02	85	7715	0.049	ppbv	96
3) Chlorodifluoromethane	2.97	51	4392	0.041	ppbv #	79
9) Propene	2.99	41	3703	0.077	ppbv #	67
13) Ethanol	3.59	45	748	0.056	ppbv #	40
15) Acetone	3.85	43	30790	0.249	ppbv #	84
20) Methylene Chloride	4.34	84	10652	0.243	ppbv	90
39) 1,2-Dichloropropane	7.19	63	507434	7.850	ppbv #	22

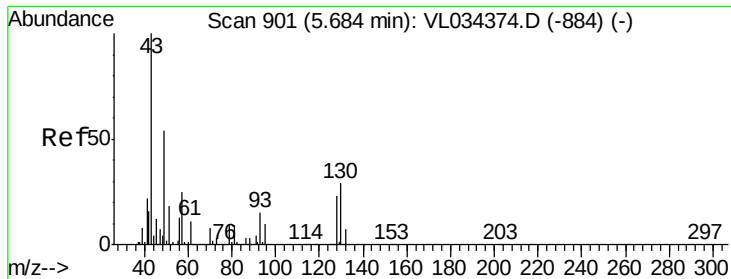
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.01 min

Lab File: VL034479.D

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Instrument :

MSVOA_L

ClientSampleId :

A-2DL

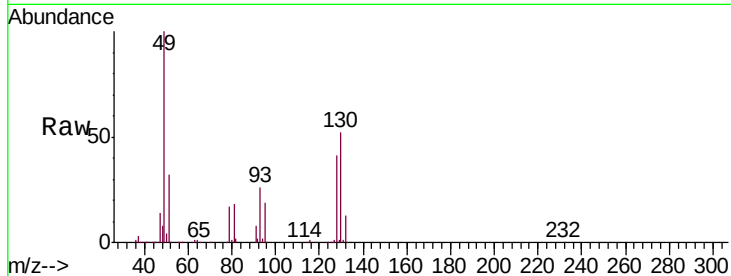
Tgt Ion: 49 Resp: 862831

Ion Ratio Lower Upper

49 100

128 42.9 21.8 65.3

130 54.0 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

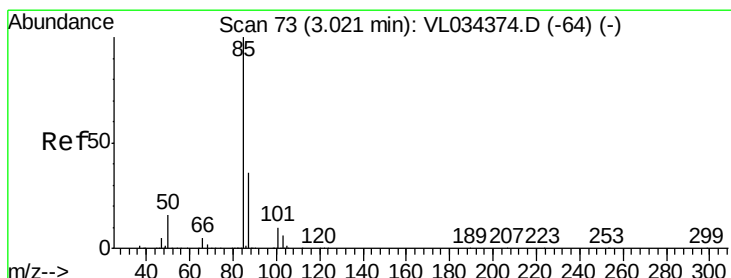
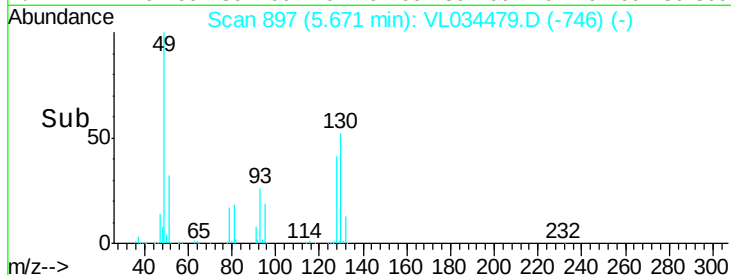
5.67

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.049 ppbv

RT: 3.02 min Scan# 73

Delta R.T. -0.00 min

Lab File: VL034479.D

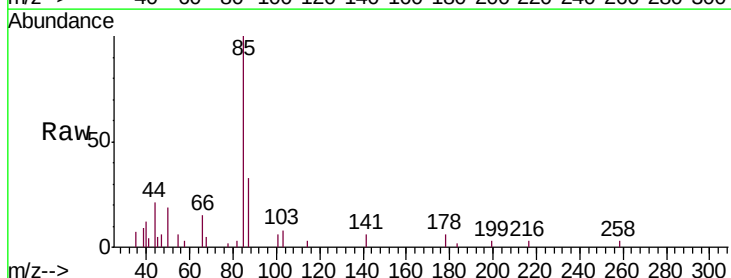
Acq: 10 Dec 2019 00:46

Tgt Ion: 85 Resp: 7715

Ion Ratio Lower Upper

85 100

87 33.5 28.5 42.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.02

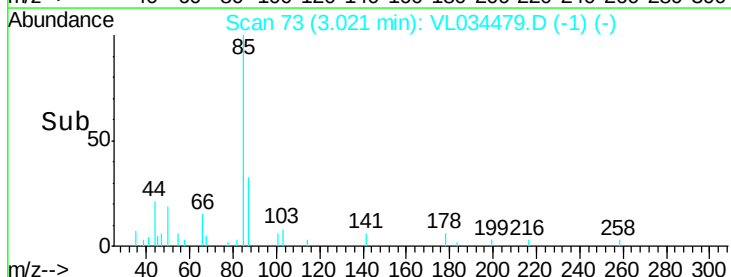
6000

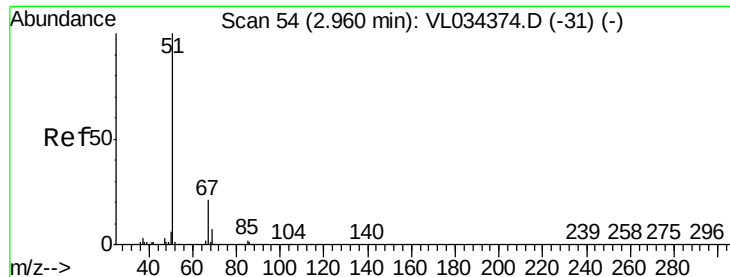
4000

2000

0

Time-->





#3

Chlorodifluoromethane

Concen: 0.041 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.01 min

Lab File: VL034479.D

Acq: 10 Dec 2019 00:46

Instrument :

MSVOA_L

ClientSampleId :

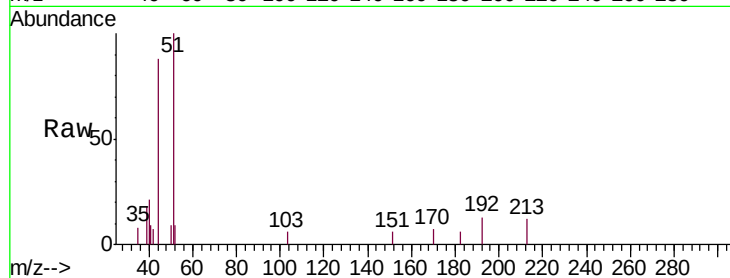
A-2DL

Tgt Ion: 51 Resp: 4392

Ion Ratio Lower Upper

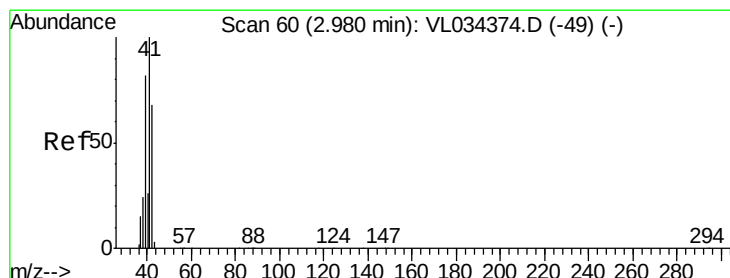
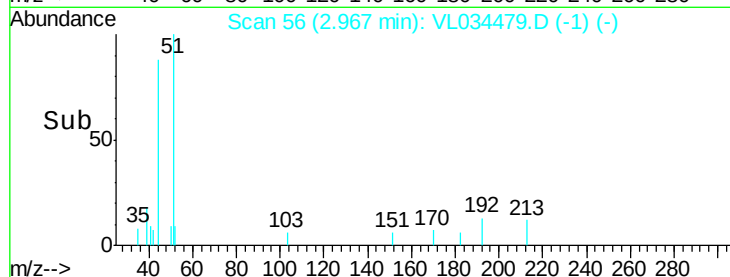
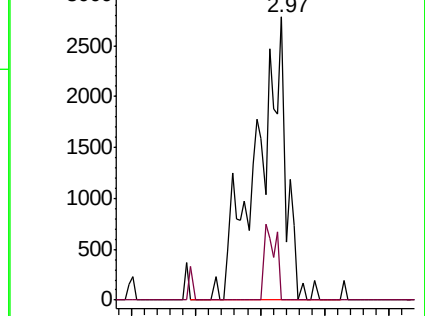
51 100

67 10.7 16.2 24.2#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#9

Propene

Concen: 0.077 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.01 min

Lab File: VL034479.D

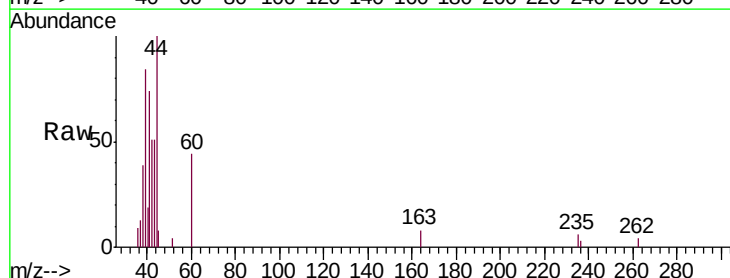
Acq: 10 Dec 2019 00:46

Tgt Ion: 41 Resp: 3703

Ion Ratio Lower Upper

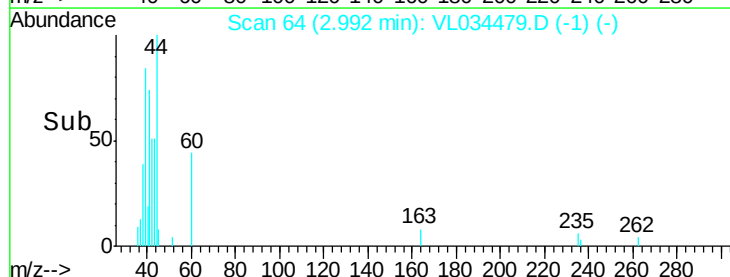
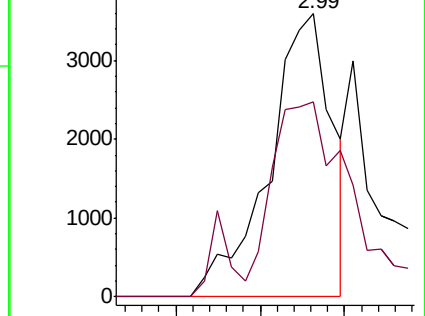
41 100

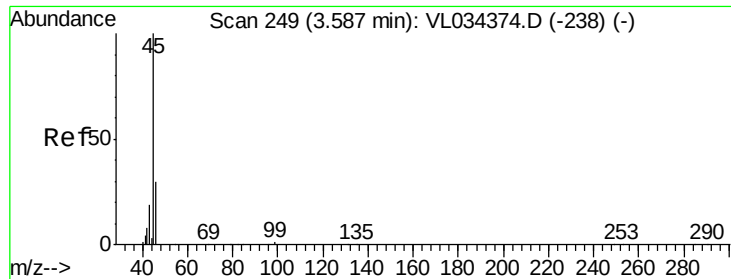
42 95.0 54.6 82.0#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

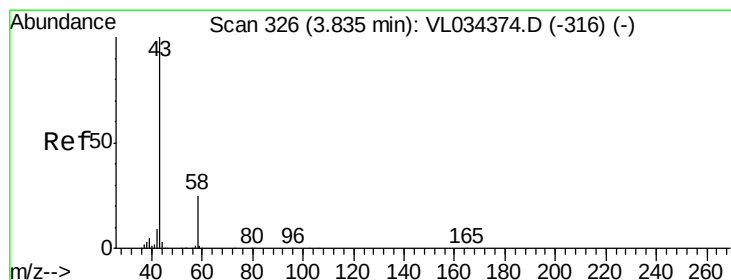
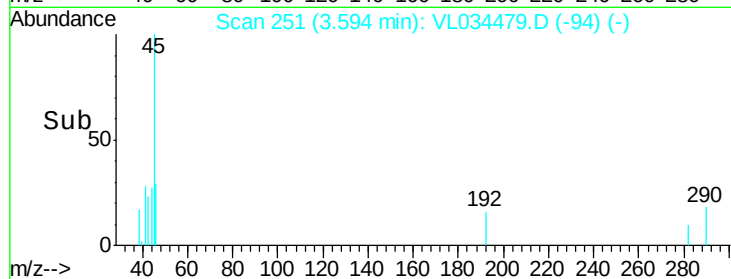
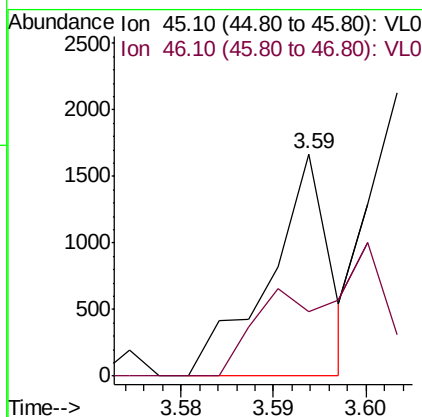
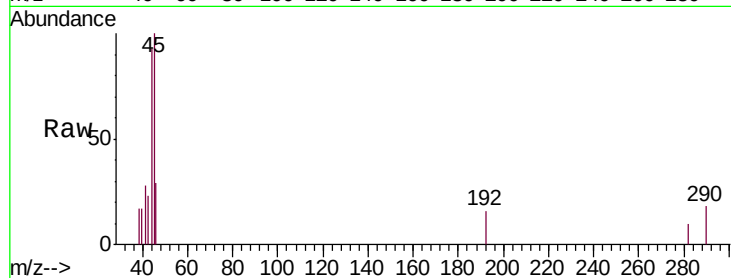




#13
Ethanol
Concen: 0.056 ppbv
RT: 3.59 min Scan# 251
Delta R.T. 0.01 min
Lab File: VL034479.D
Acq: 10 Dec 2019 00:46

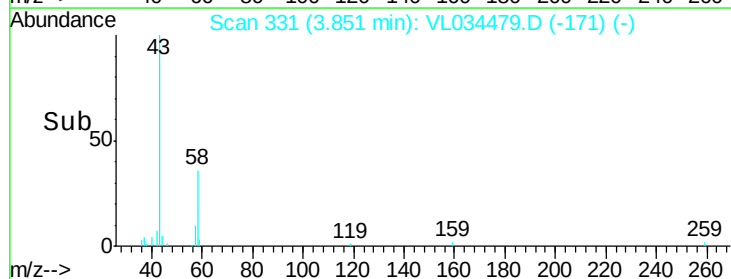
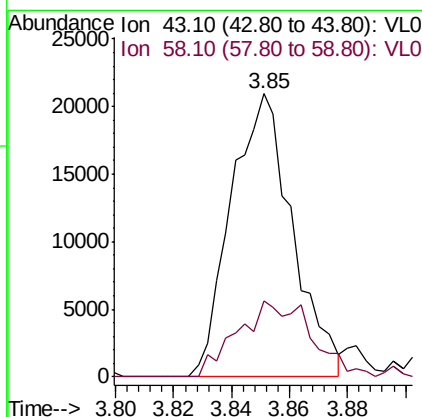
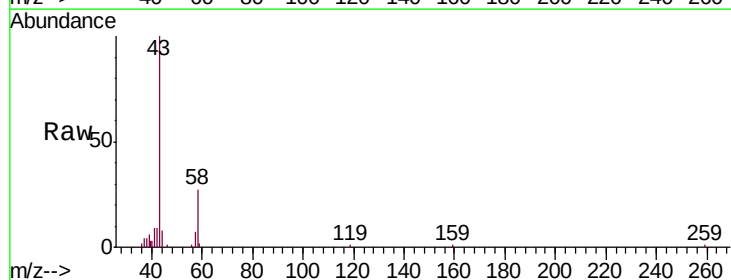
Instrument :
MSVOA_L
ClientSampleId :
A-2DL

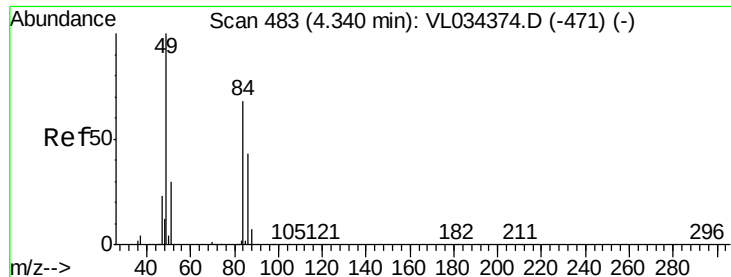
Tgt Ion: 45 Resp: 748
Ion Ratio Lower Upper
45 100
46 0.0 13.8 55.4#



#15
Acetone
Concen: 0.249 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.02 min
Lab File: VL034479.D
Acq: 10 Dec 2019 00:46

Tgt Ion: 43 Resp: 30790
Ion Ratio Lower Upper
43 100
58 33.1 20.2 30.4#

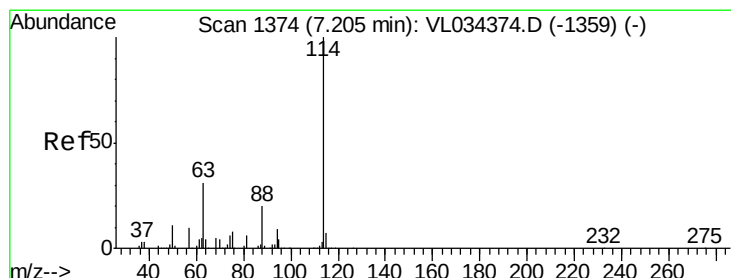
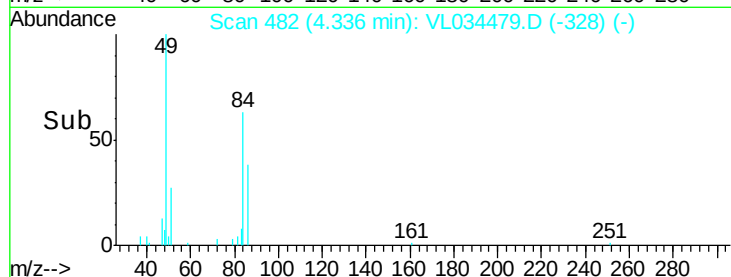
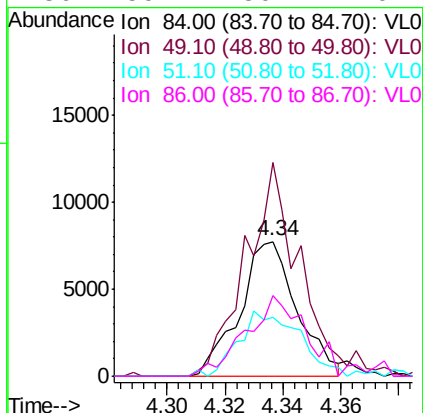
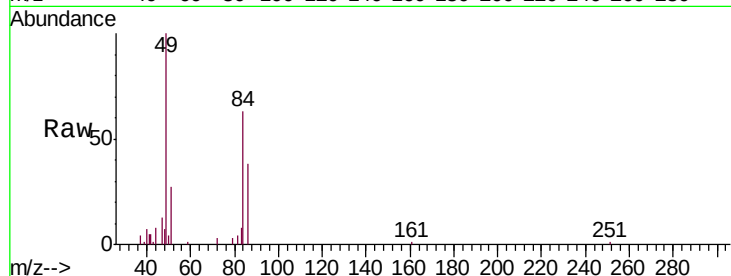




#20
Methylene Chloride
Concen: 0.243 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.00 min
Lab File: VL034479.D
Acq: 10 Dec 2019 00:46

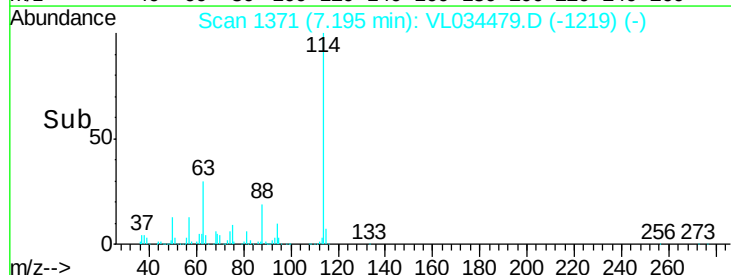
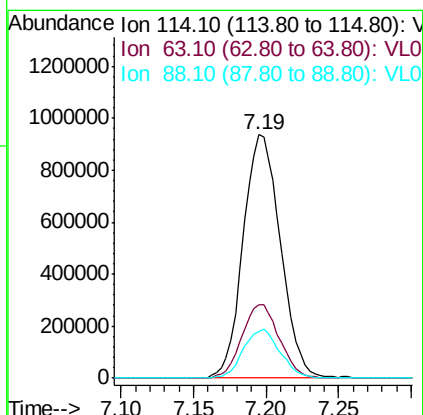
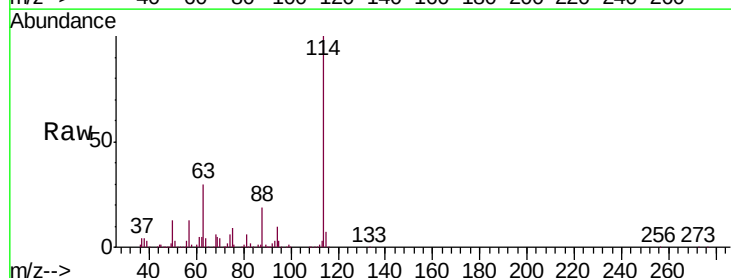
Instrument :
MSVOA_L
ClientSampleId :
A-2DL

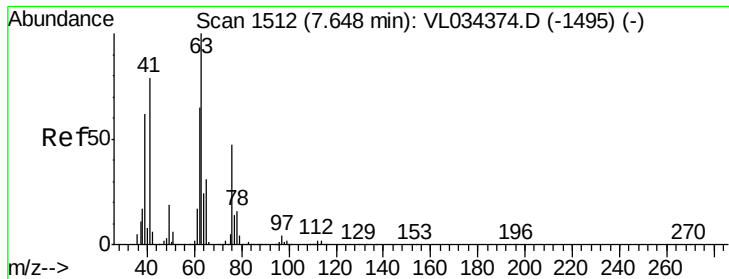
Tgt Ion:	84	Resp:	10652
Ion	Ratio	Lower	Upper
84	100		
49	164.4	116.8	175.2
51	43.4	35.6	53.4
86	59.7	50.7	76.1



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1371
Delta R.T. -0.01 min
Lab File: VL034479.D
Acq: 10 Dec 2019 00:46

Tgt Ion:	114	Resp:	1678579
Ion	Ratio	Lower	Upper
114	100		
63	30.4	24.2	36.4
88	19.7	15.9	23.9





#39

1,2-Dichloropropane

Concen: 7.850 ppbv

RT: 7.19 min Scan# 1371

Delta R.T. -0.45 min

Lab File: VL034479.D

Acq: 10 Dec 2019 00:46

Instrument :

MSVOA_L

ClientSampleId :

A-2DL

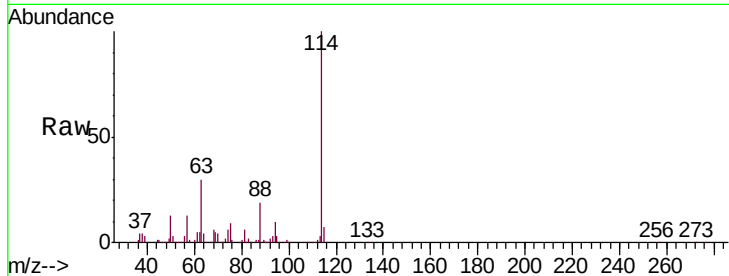
Tgt Ion: 63 Resp: 507434

Ion Ratio Lower Upper

63 100

41 0.0 63.1 94.7#

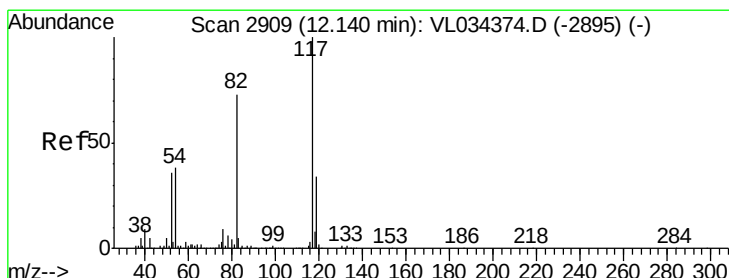
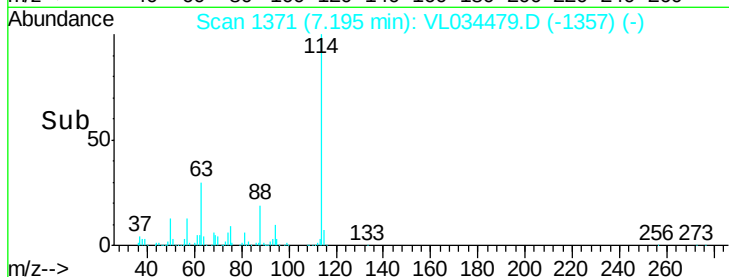
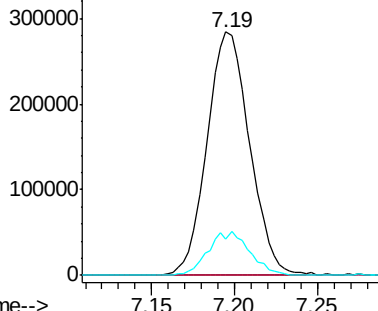
62 15.0 52.3 78.5#



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: VL034479.D

Acq: 10 Dec 2019 00:46

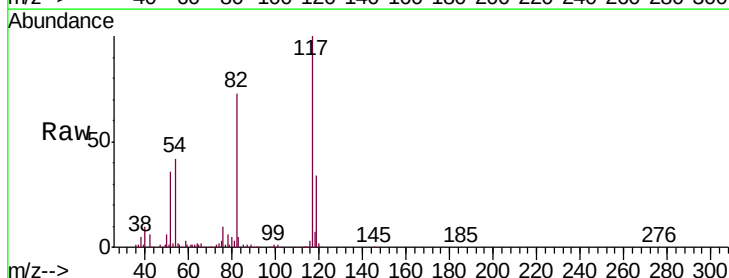
Tgt Ion: 117 Resp: 1691156

Ion Ratio Lower Upper

117 100

82 73.2 57.5 86.3

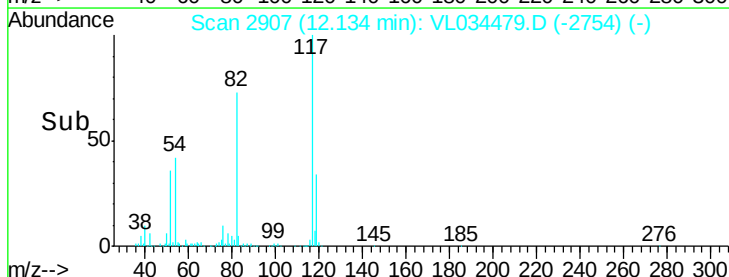
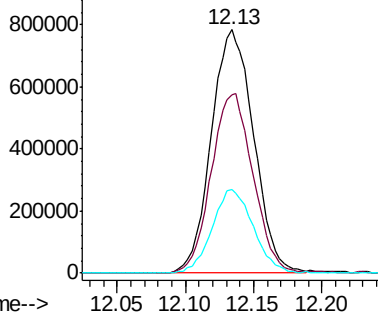
119 33.6 25.4 38.2

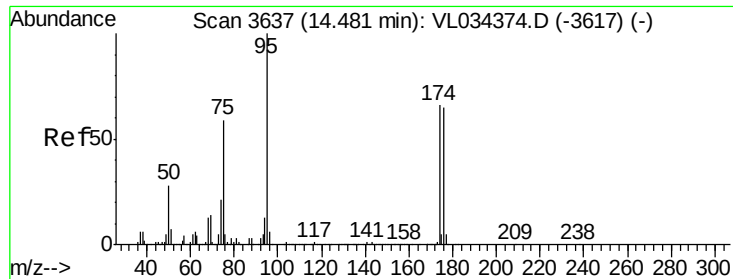


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.321 ppbv

RT: 14.47 min Scan# 3635

Delta R.T. -0.01 min

Lab File: VL034479.D

Acq: 10 Dec 2019 00:46

Instrument :

MSVOA_L

ClientSampleId :

A-2DL

Tgt Ion: 95 Resp: 1468378

Ion Ratio Lower Upper

95 100

174 64.2 52.2 78.2

175 4.7 3.8 5.8

