

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120219\
 Data File : VL034450.D
 Acq On : 3 Dec 2019 6:28
 Operator : SY/AP
 Sample : K6097-01DL2 40X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1ADL2

Quant Time: Dec 03 07:42:50 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	5.69	49	693134	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1336511	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	1311850	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1121122	10.16	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

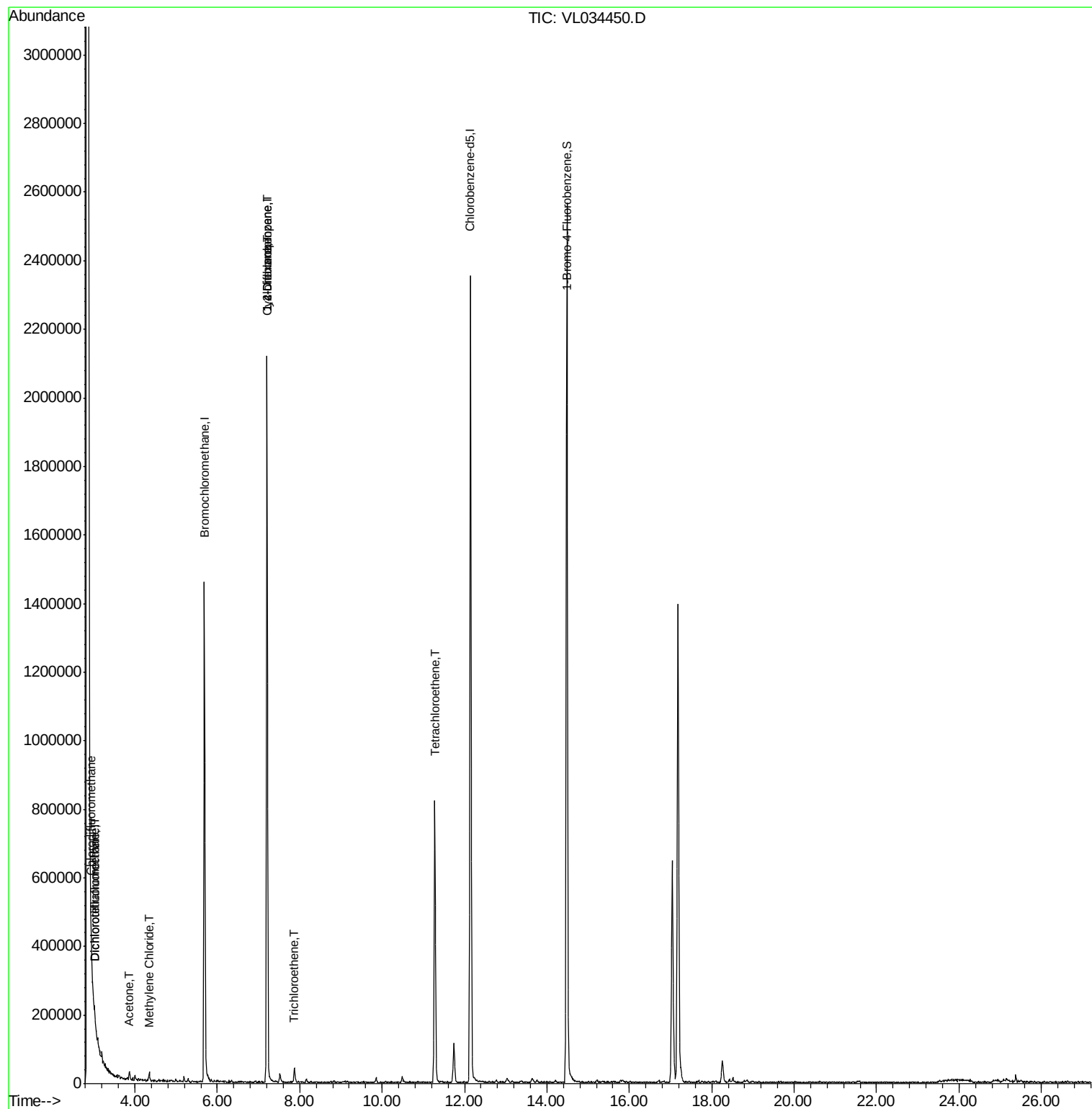
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.02	85	11369	0.091	ppbv	89
3) Chlorodifluoromethane	2.94	51	17242	0.199	ppbv #	60
8) Dichlorotetrafluoroethane	3.02	85	11369	0.101	ppbv #	19
15) Acetone	3.87	43	18150	0.183	ppbv #	67
20) Methylene Chloride	4.34	84	2964	0.084	ppbv #	86
30) Cyclohexane	7.19	84	3562	0.062	ppbv #	1
38) Trichloroethene	7.88	130	5467	0.100	ppbv #	68
39) 1,2-Dichloropropane	7.21	63	396120	7.696	ppbv #	23
52) Tetrachloroethene	11.28	164	187304	3.240	ppbv	93

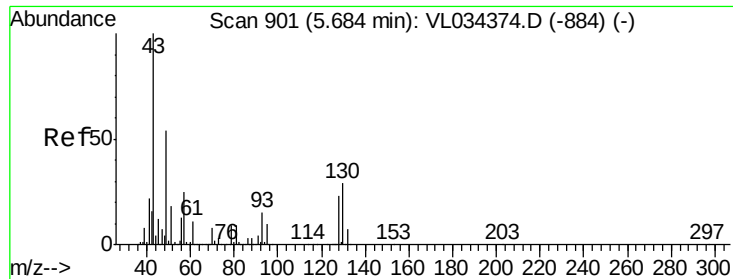
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 03 07:42:50 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: 5.69 min Scan# 902

Delta R.T. 0.00 min

Lab File: VL034450.D

Acq: 3 Dec 2019 6:28

Instrument :

MSVOA_L

ClientSampleId :

SV-1ADL2

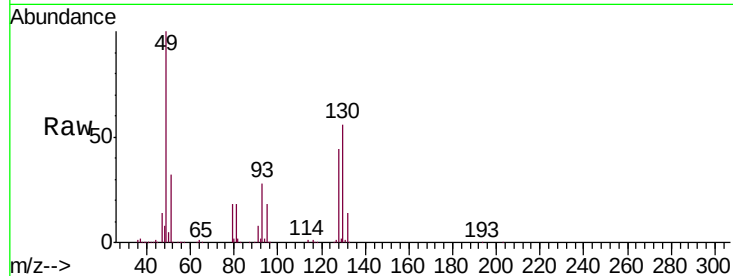
Tgt Ion: 49 Resp: 693134

Ion Ratio Lower Upper

49 100

128 43.7 21.8 65.3

130 55.3 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

500000

400000

300000

200000

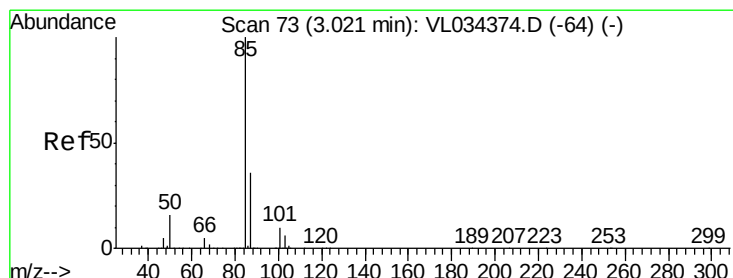
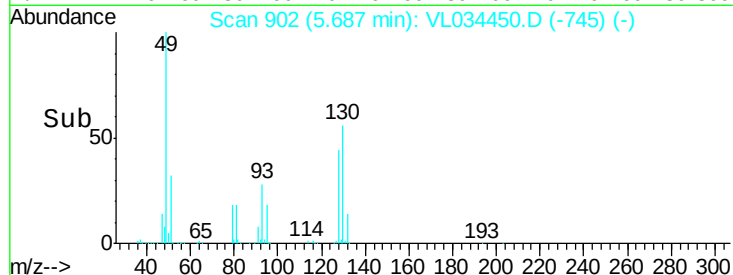
100000

0

5.69

5.60 5.65 5.70 5.75 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.091 ppbv

RT: 3.02 min Scan# 74

Delta R.T. 0.00 min

Lab File: VL034450.D

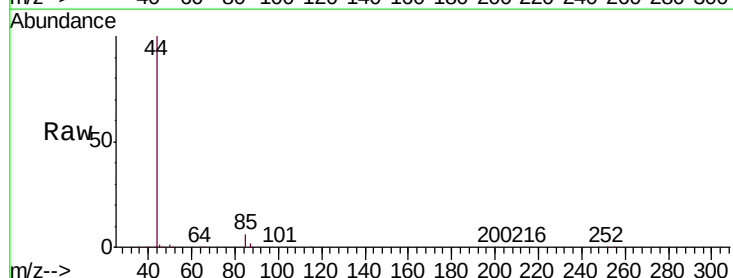
Acq: 3 Dec 2019 6:28

Tgt Ion: 85 Resp: 11369

Ion Ratio Lower Upper

85 100

87 29.2 28.5 42.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

12000

10000

8000

6000

4000

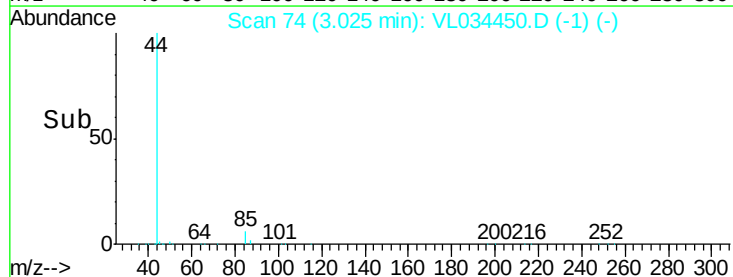
2000

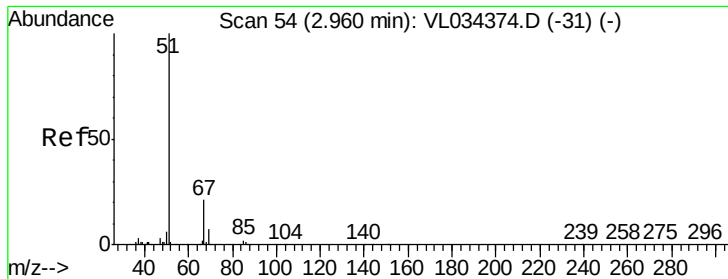
0

3.02

2.98 3.00 3.02 3.04 3.06

Time-->





#3

Chlorodifluoromethane

Concen: 0.199 ppbv

RT: 2.94 min Scan# 48

Delta R.T. -0.02 min

Lab File: VL034450.D

Acq: 3 Dec 2019 6:28

Instrument :

MSVOA_L

ClientSampleId :

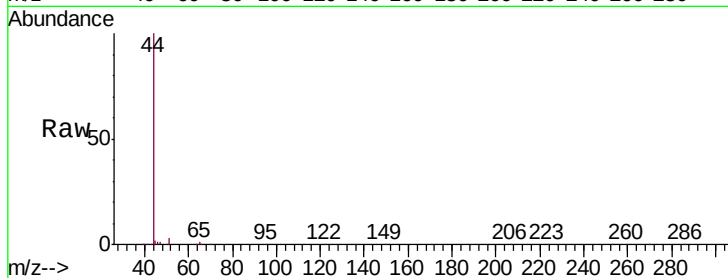
SV-1ADL2

Tgt Ion: 51 Resp: 17242

Ion Ratio Lower Upper

51 100

67 1.8 16.2 24.2#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.94

15000

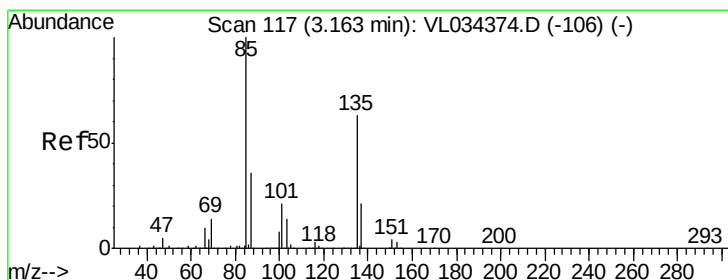
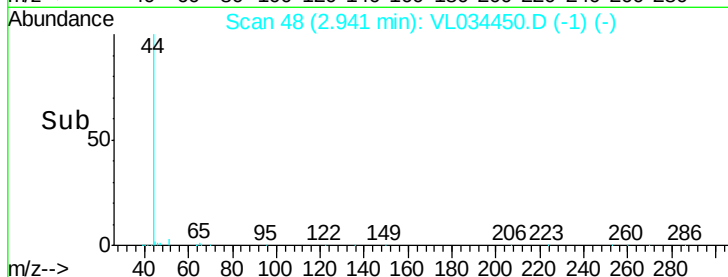
10000

5000

0

Time-->

2.85 2.90 2.95 3.00



#8

Dichlorotetrafluoroethane

Concen: 0.101 ppbv

RT: 3.02 min Scan# 74

Delta R.T. -0.14 min

Lab File: VL034450.D

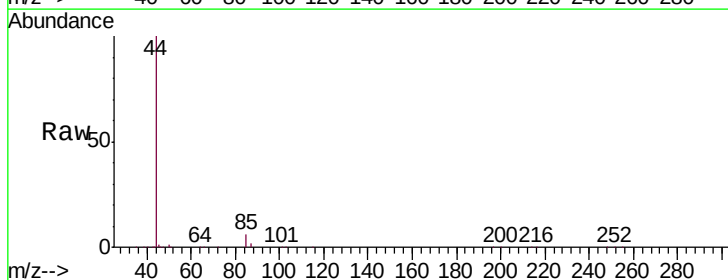
Acq: 3 Dec 2019 6:28

Tgt Ion: 85 Resp: 11369

Ion Ratio Lower Upper

85 100

135 0.3 51.1 76.7#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.02

12000

10000

8000

6000

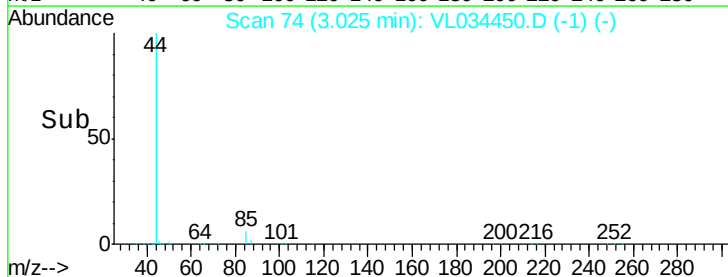
4000

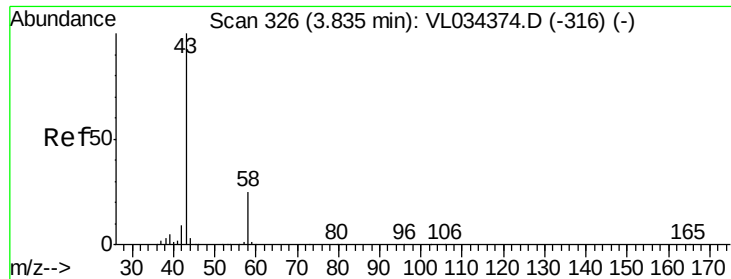
2000

0

Time-->

2.98 3.00 3.02 3.04 3.06





#15

Acetone

Concen: 0.183 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.03 min

Lab File: VL034450.D

Acq: 3 Dec 2019 6:28

Instrument :

MSVOA_L

ClientSampleId :

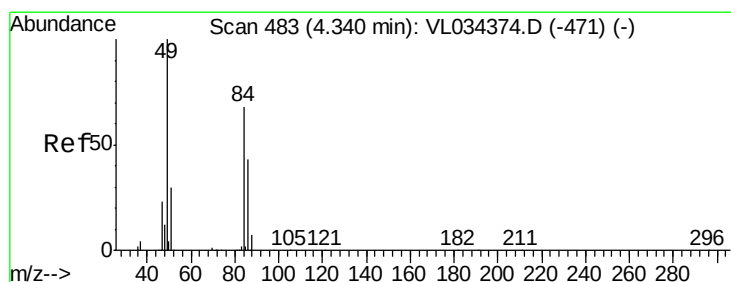
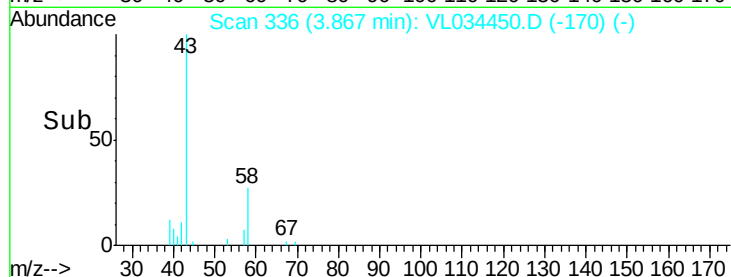
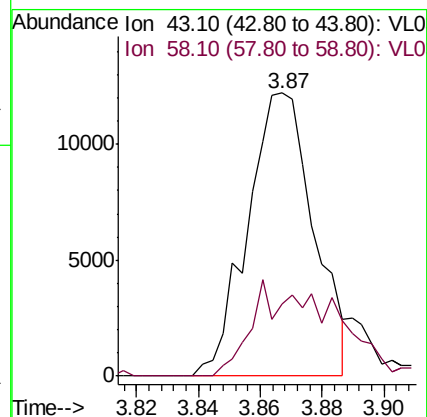
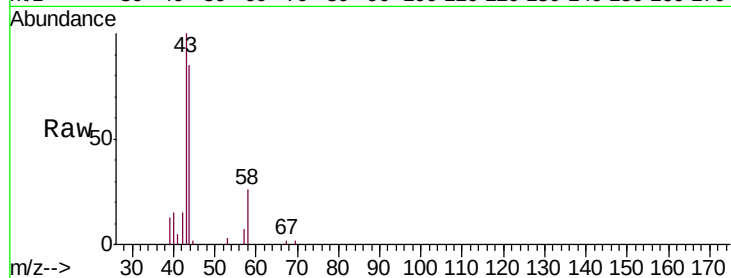
SV-1ADL2

Tgt Ion: 43 Resp: 18150

Ion Ratio Lower Upper

43 100

58 42.1 20.2 30.4#



#20

Methylene Chloride

Concen: 0.084 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL034450.D

Acq: 3 Dec 2019 6:28

Tgt Ion: 84 Resp: 2964

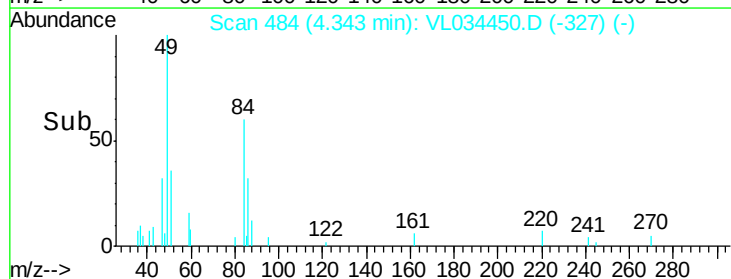
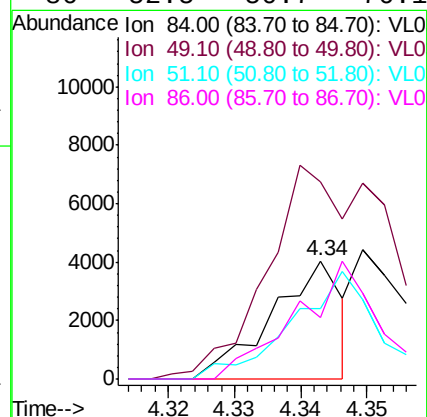
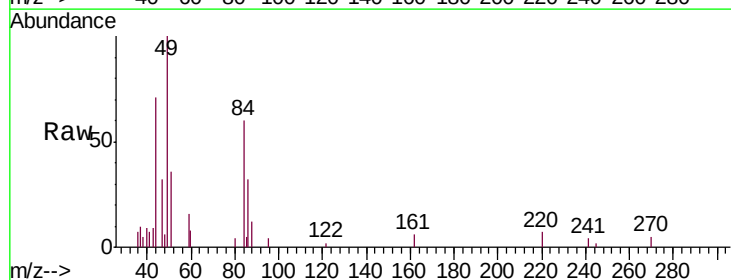
Ion Ratio Lower Upper

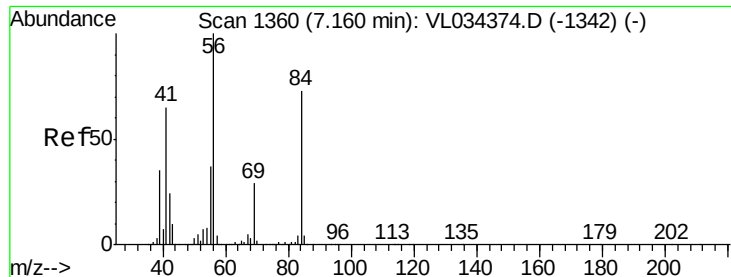
84 100

49 160.0 116.8 175.2

51 59.3 35.6 53.4#

86 52.5 50.7 76.1

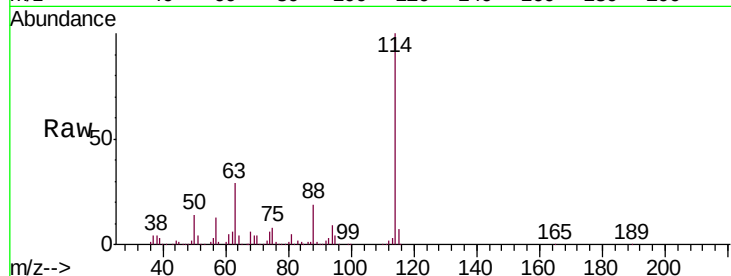




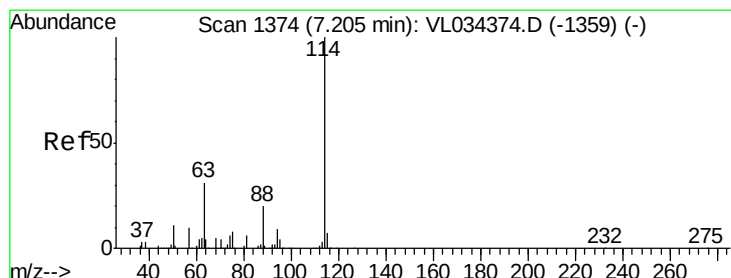
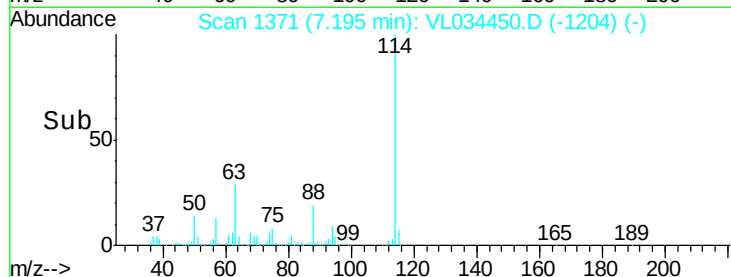
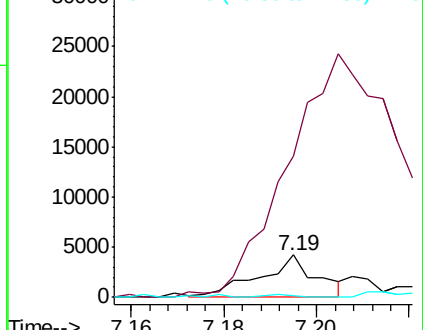
#30
Cyclohexane
Concen: 0.062 ppbv
RT: 7.19 min Scan# 1371
Delta R.T. 0.04 min
Lab File: VL034450.D
Acq: 3 Dec 2019 6:28

Instrument :
MSVOA_L
ClientSampleId :
SV-1ADL2

Tgt Ion: 84 Resp: 3562
Ion Ratio Lower Upper
84 100
56 0.0 112.6 169.0#
41 0.0 73.4 110.2#

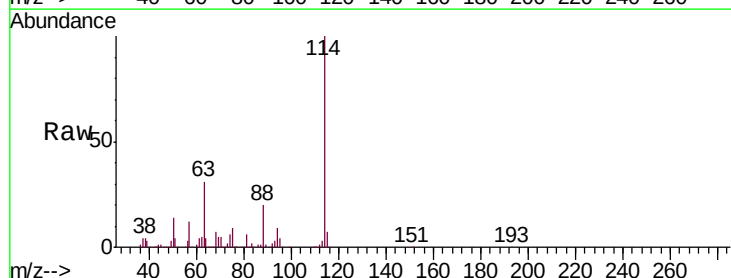


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

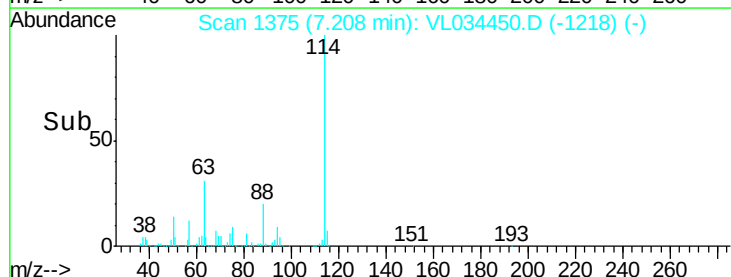
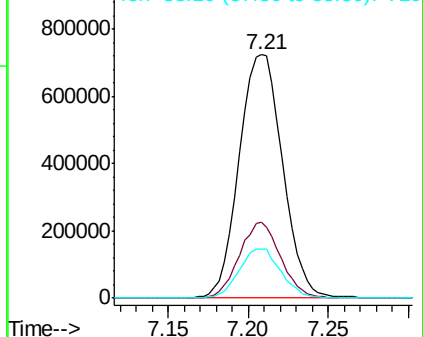


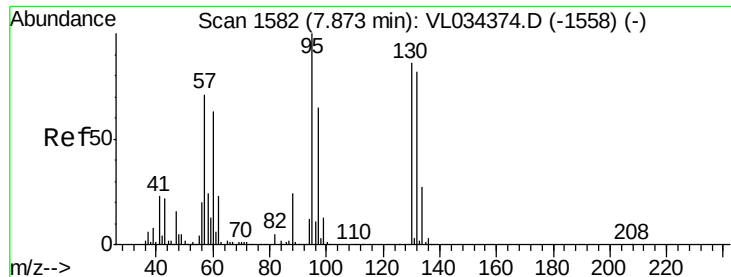
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VL034450.D
Acq: 3 Dec 2019 6:28

Tgt Ion: 114 Resp: 1336511
Ion Ratio Lower Upper
114 100
63 29.8 24.2 36.4
88 19.6 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





#38

Trichloroethene

Concen: 0.100 ppbv

RT: 7.88 min Scan# 1584

Delta R.T. 0.01 min

Lab File: VL034450.D

Acq: 3 Dec 2019 6:28

Instrument :

MSVOA_L

ClientSampleId :

SV-1ADL2

Tgt Ion:130 Resp: 5467

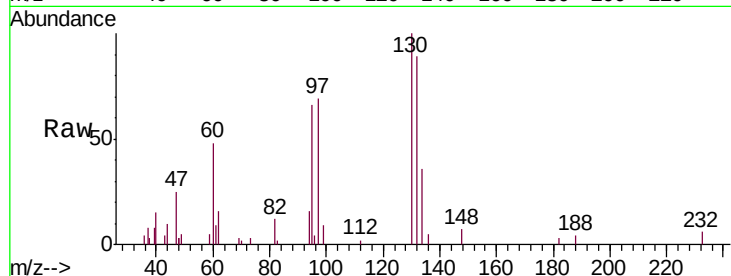
Ion Ratio Lower Upper

130 100

95 48.0 93.4 140.0#

132 95.6 76.4 114.6

97 53.5 61.1 91.7#

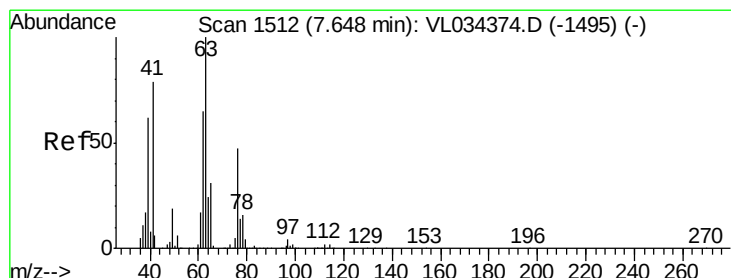
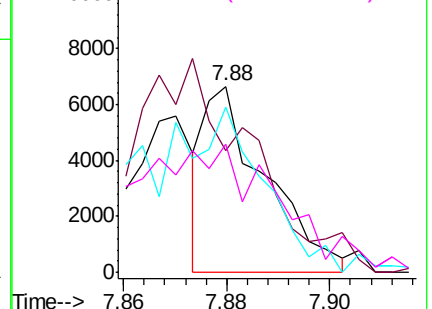
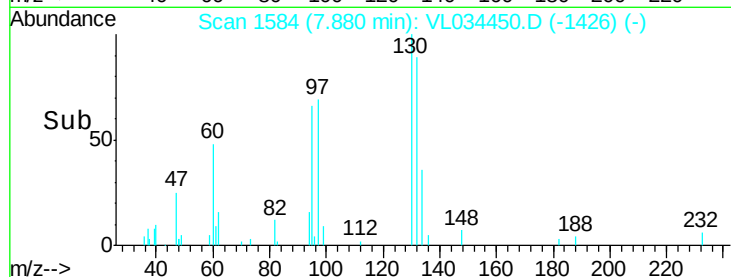


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 7.696 ppbv

RT: 7.21 min Scan# 1375

Delta R.T. -0.44 min

Lab File: VL034450.D

Acq: 3 Dec 2019 6:28

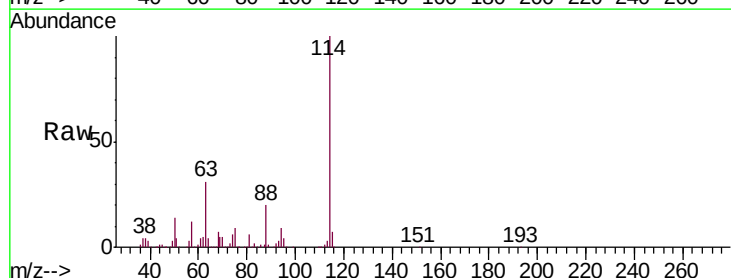
Tgt Ion: 63 Resp: 396120

Ion Ratio Lower Upper

63 100

41 0.0 63.1 94.7#

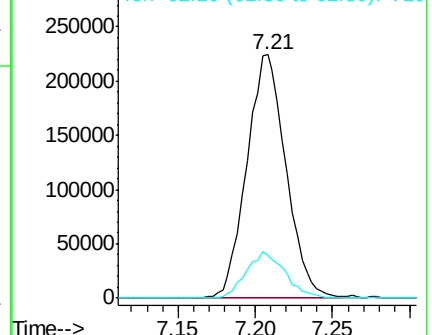
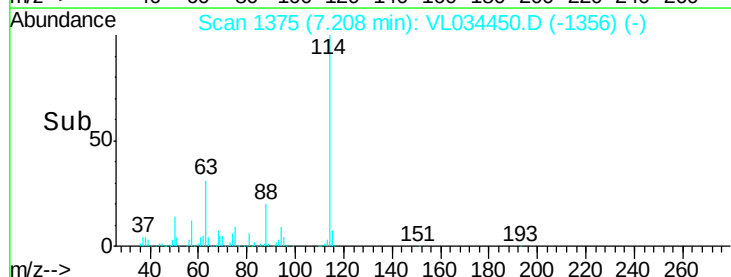
62 17.7 52.3 78.5#

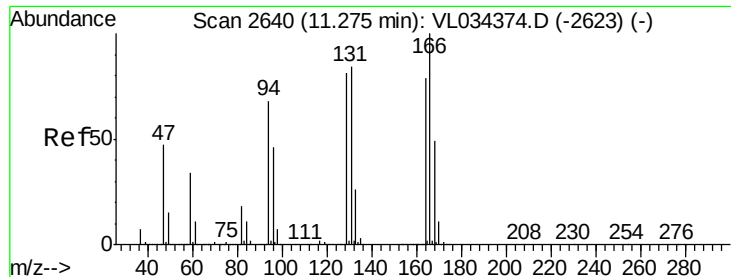


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#52

Tetrachloroethene

Concen: 3.240 ppbv

RT: 11.28 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VL034450.D

Acq: 3 Dec 2019 6:28

Instrument :

MSVOA_L

ClientSampleId :

SV-1ADL2

Tgt Ion:164 Resp: 187304

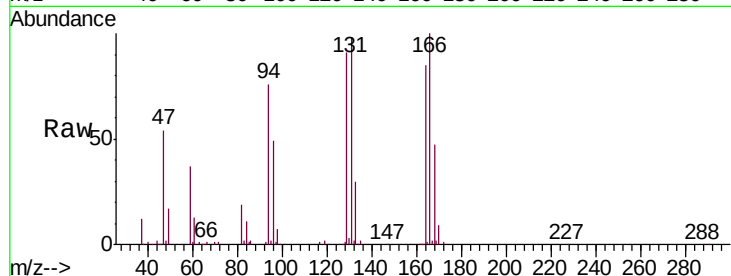
Ion Ratio Lower Upper

164 100

166 118.2 101.7 152.5

129 107.0 82.6 123.8

131 115.8 85.2 127.8

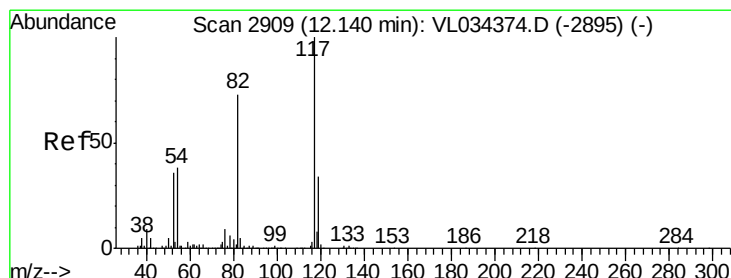
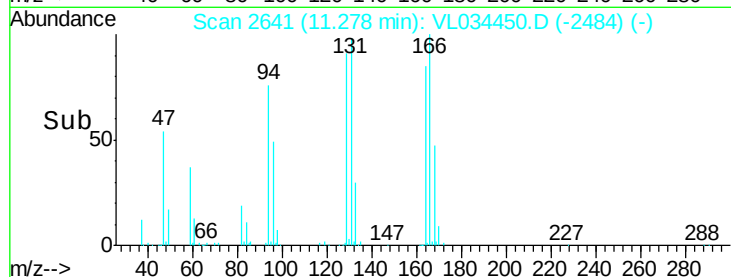
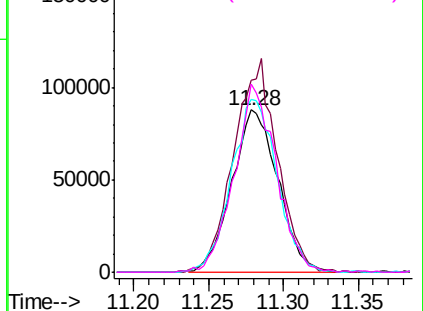


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.15 min Scan# 2911

Delta R.T. 0.01 min

Lab File: VL034450.D

Acq: 3 Dec 2019 6:28

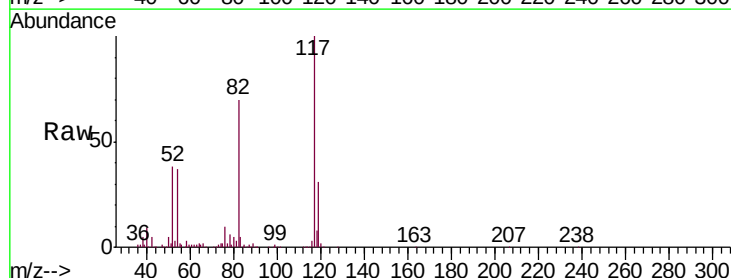
Tgt Ion:117 Resp: 1311850

Ion Ratio Lower Upper

117 100

82 72.4 57.5 86.3

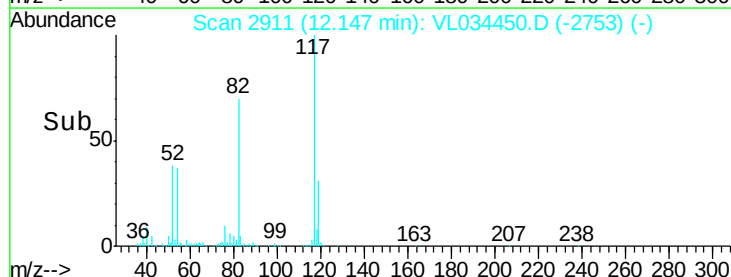
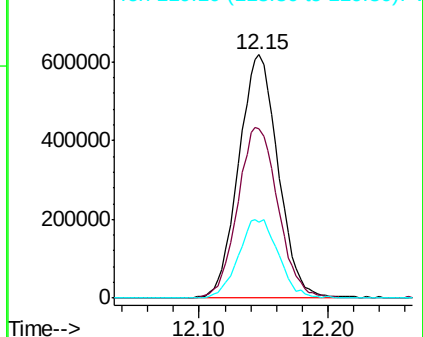
119 33.0 25.4 38.2

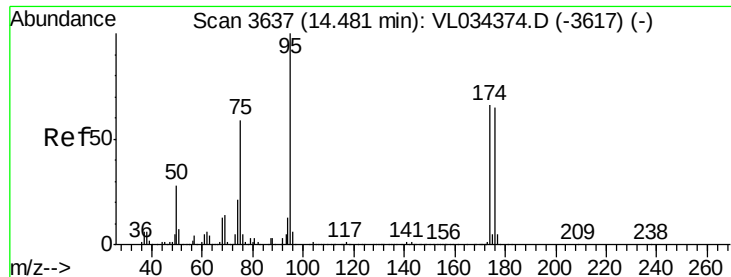


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.158 ppbv

RT: 14.48 min Scan# 3638

Delta R.T. 0.00 min

Lab File: VL034450.D

Acq: 3 Dec 2019 6:28

Instrument :

MSVOA_L

ClientSampleId :

SV-1ADL2

Tgt Ion: 95 Resp: 1121122

Ion Ratio Lower Upper

95 100

174 65.3 52.2 78.2

175 4.7 3.8 5.8

