

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121719\
 Data File : VL034506.D
 Acq On : 17 Dec 2019 23:50
 Operator : SY/AP
 Sample : K6319-05DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LIHA-OA1DL

Quant Time: Dec 18 04:24:17 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	931360	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.19	114	1813865	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.13	117	1821039	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.47	95	1540770	10.06	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

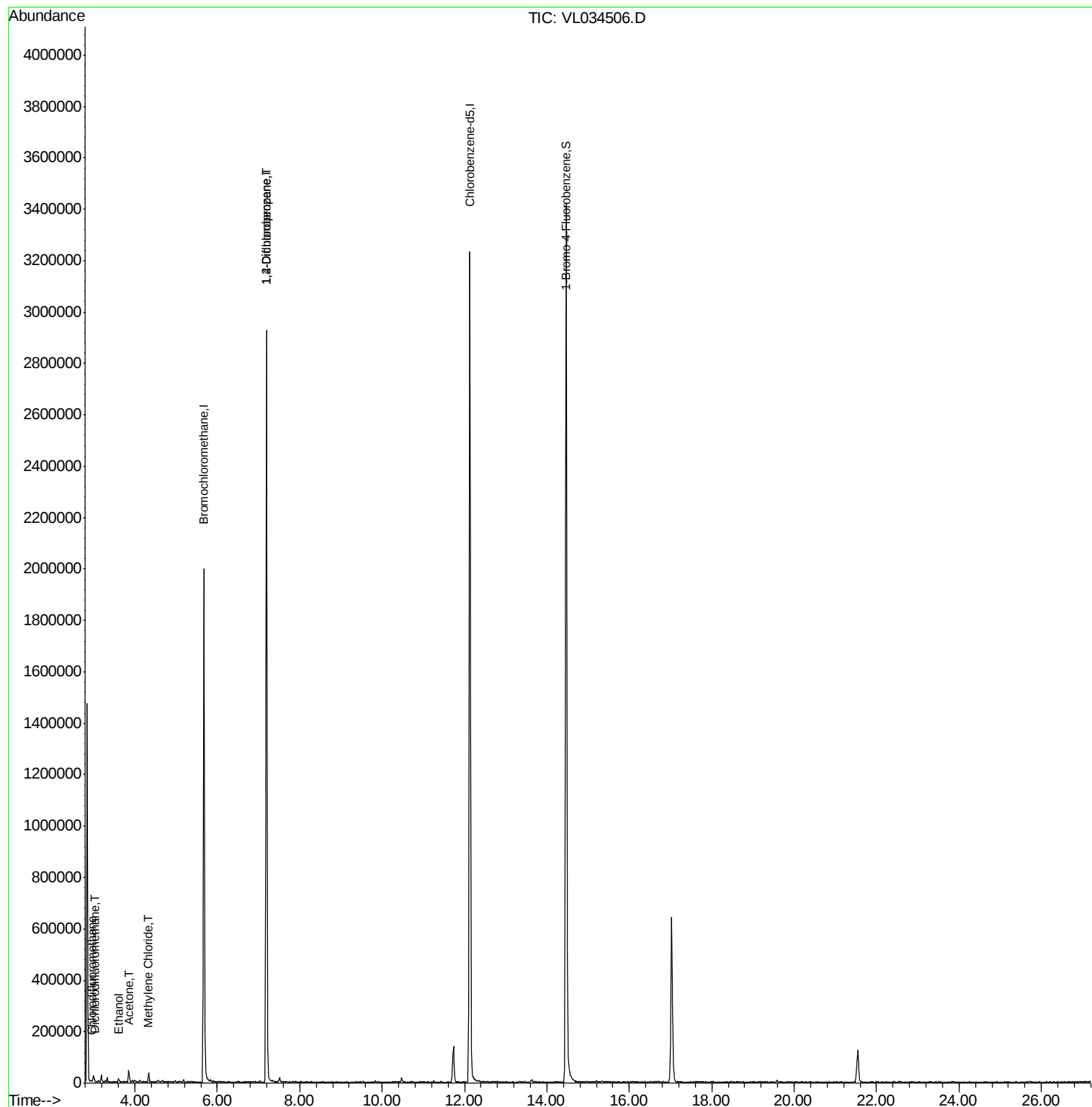
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.02	85	8691	0.052	ppbv #	63
3) Chlorodifluoromethane	2.96	51	4692	0.040	ppbv	92
13) Ethanol	3.60	45	7057	0.491	ppbv #	57
15) Acetone	3.85	43	40461	0.303	ppbv	92
20) Methylene Chloride	4.33	84	6140	0.130	ppbv #	84
39) 1,2-Dichloropropane	7.19	63	543076	7.774	ppbv #	25

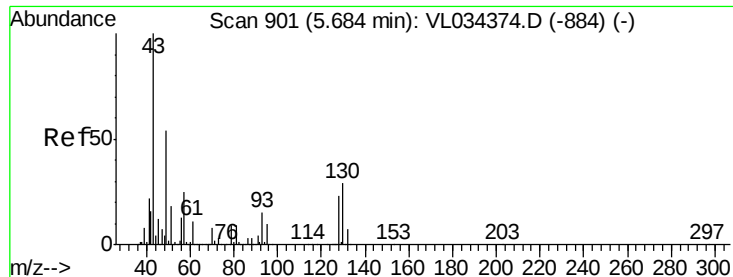
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VL034506.D

Acq: 17 Dec 2019 23:50

Instrument :

MSVOA_L

ClientSampleId :

LIHA-OA1DL

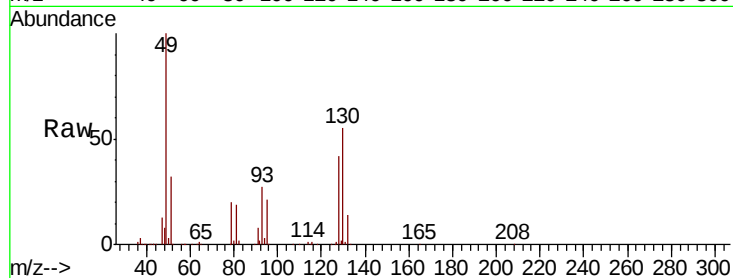
Tgt Ion: 49 Resp: 931360

Ion Ratio Lower Upper

49 100

128 42.7 21.8 65.3

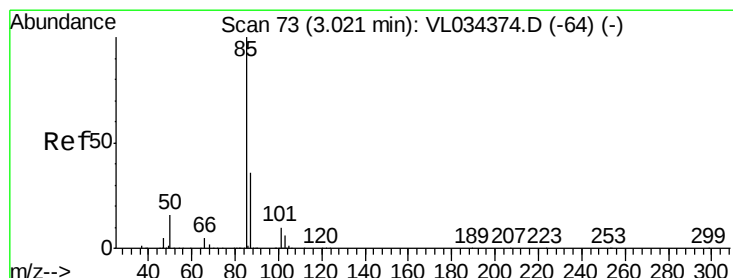
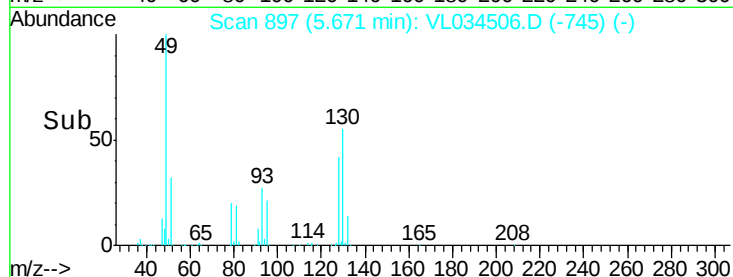
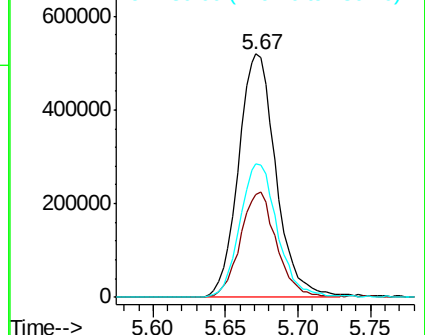
130 55.7 28.0 84.0



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



#2

Dichlorodifluoromethane

Concen: 0.052 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.00 min

Lab File: VL034506.D

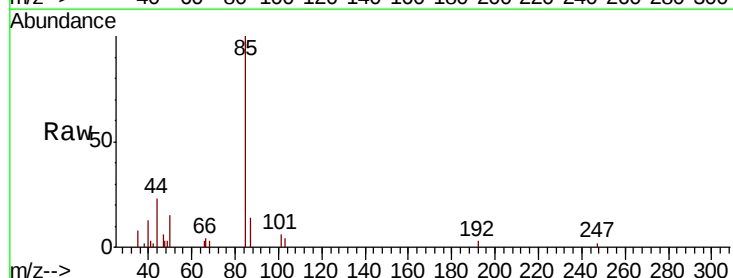
Acq: 17 Dec 2019 23:50

Tgt Ion: 85 Resp: 8691

Ion Ratio Lower Upper

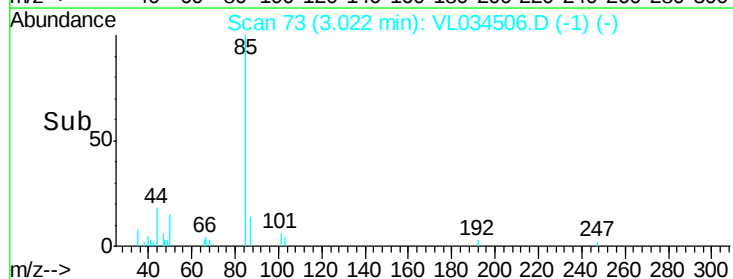
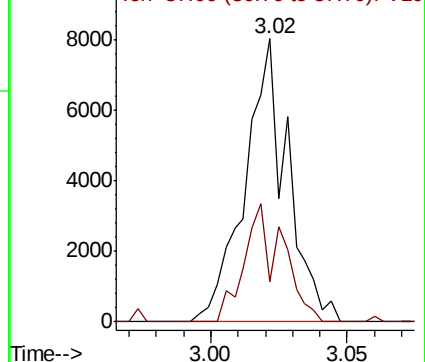
85 100

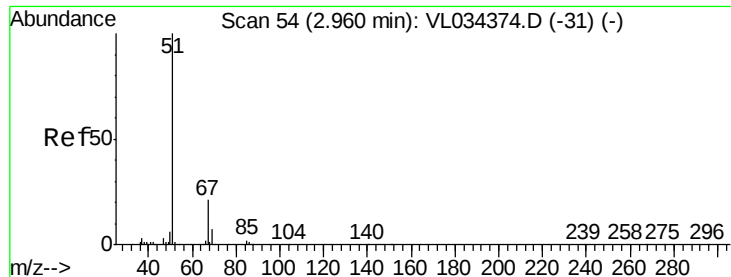
87 14.0 28.5 42.7#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

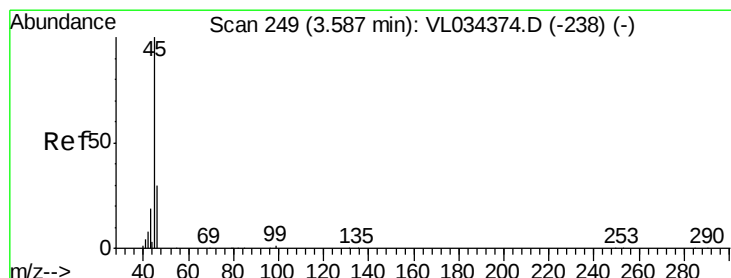
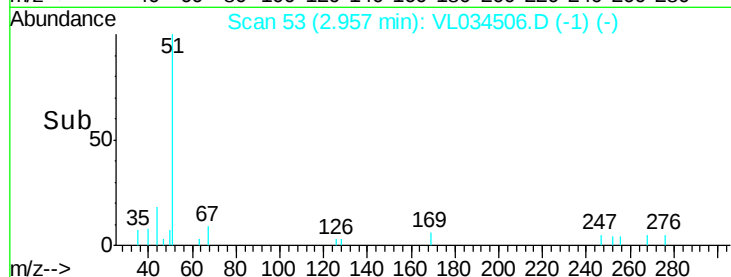
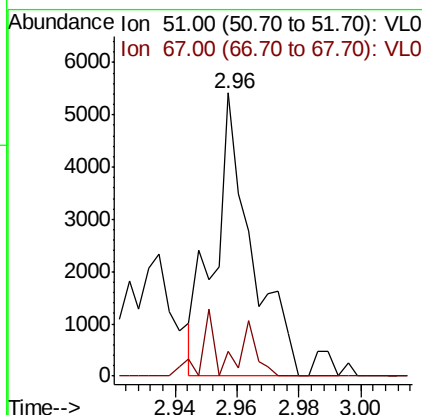
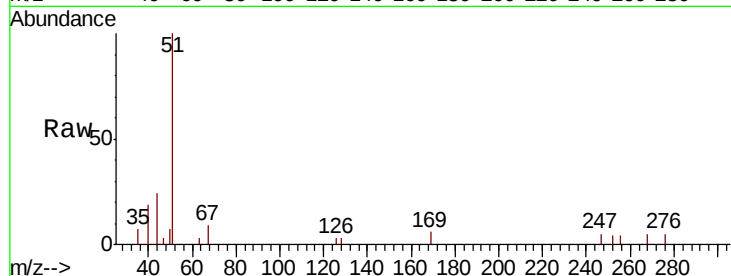




#3
 Chlorodifluoromethane
 Concen: 0.040 ppbv
 RT: 2.96 min Scan# 53
 Delta R.T. -0.00 min
 Lab File: VL034506.D
 Acq: 17 Dec 2019 23:50

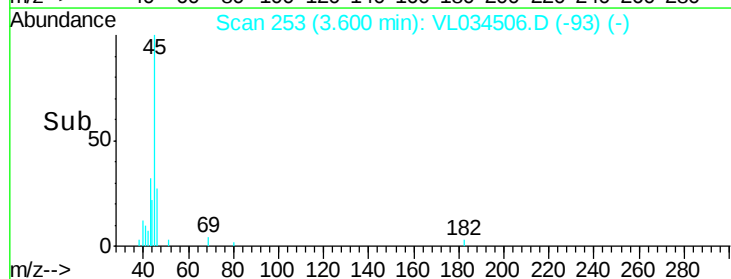
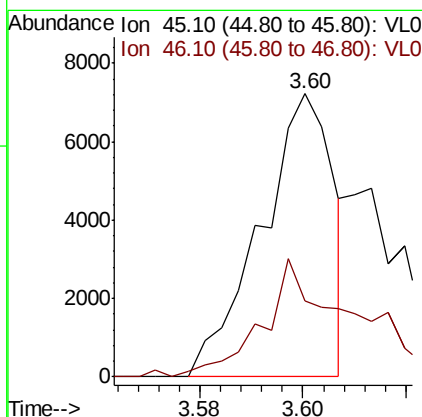
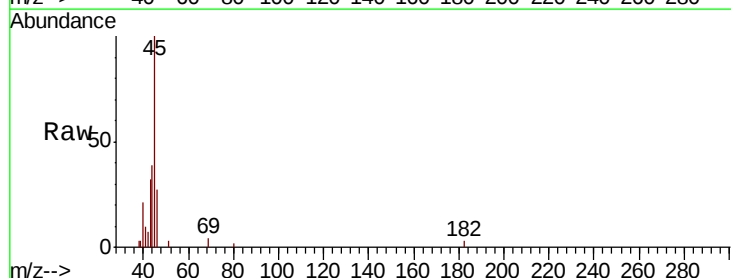
Instrument :
 MSVOA_L
 ClientSampleId :
 LIHA-OA1DL

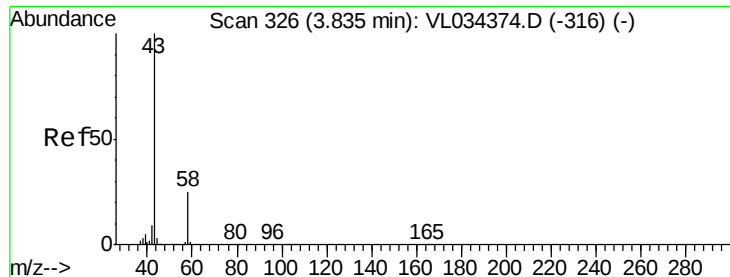
Tgt Ion: 51 Resp: 4692
 Ion Ratio Lower Upper
 51 100
 67 16.3 16.2 24.2



#13
 Ethanol
 Concen: 0.491 ppbv
 RT: 3.60 min Scan# 253
 Delta R.T. 0.01 min
 Lab File: VL034506.D
 Acq: 17 Dec 2019 23:50

Tgt Ion: 45 Resp: 7057
 Ion Ratio Lower Upper
 45 100
 46 59.3 13.8 55.4#





#15

Acetone

Concen: 0.303 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.01 min

Lab File: VL034506.D

Acq: 17 Dec 2019 23:50

Instrument :

MSVOA_L

ClientSampleId :

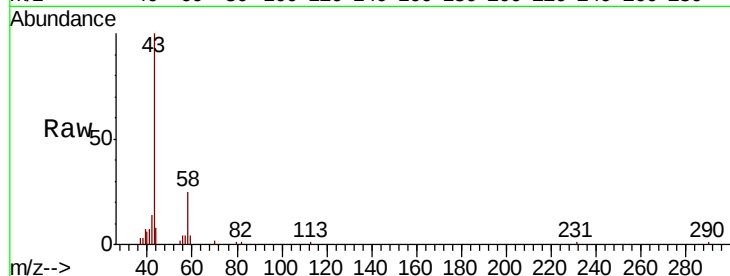
LIHA-OA1DL

Tgt Ion: 43 Resp: 40461

Ion Ratio Lower Upper

43 100

58 29.5 20.2 30.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.85

25000

20000

15000

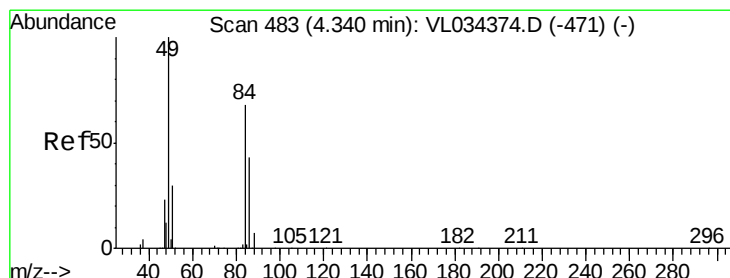
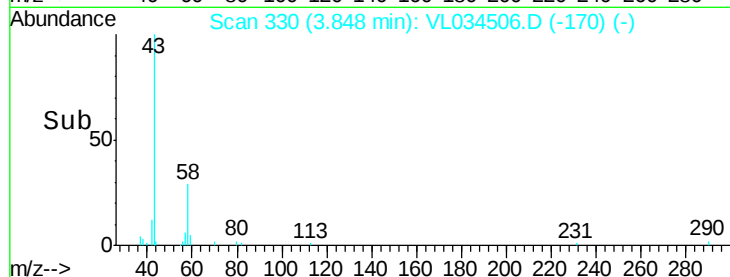
10000

5000

0

Time-->

3.80 3.85 3.90



#20

Methylene Chloride

Concen: 0.130 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.01 min

Lab File: VL034506.D

Acq: 17 Dec 2019 23:50

Tgt Ion: 84 Resp: 6140

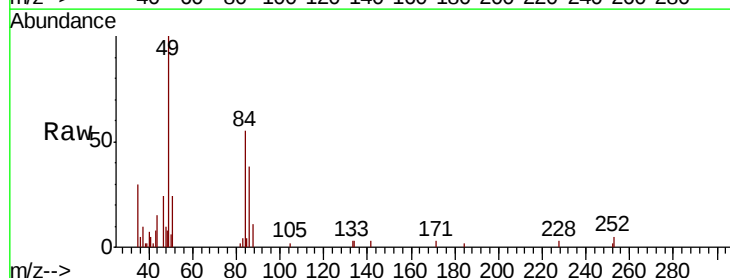
Ion Ratio Lower Upper

84 100

49 180.7 116.8 175.2#

51 43.9 35.6 53.4

86 63.6 50.7 76.1



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

15000

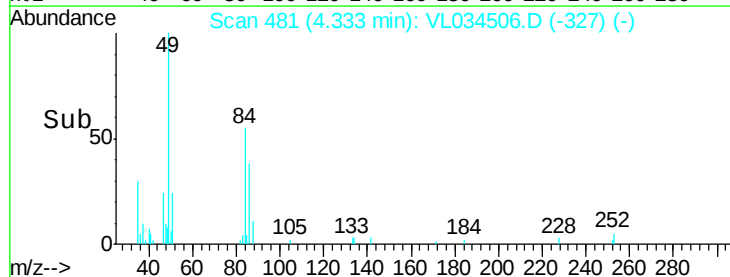
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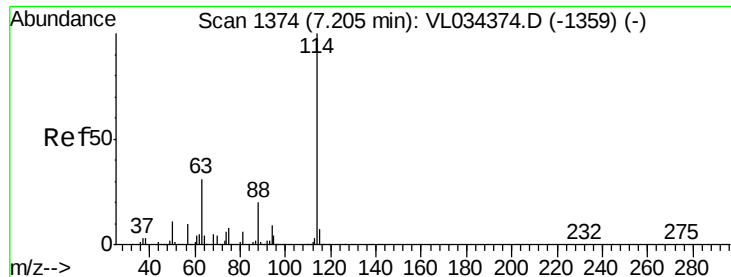
5000

0

Time-->

4.30 4.32 4.34

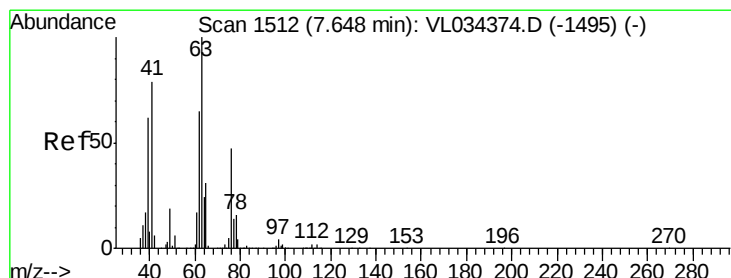
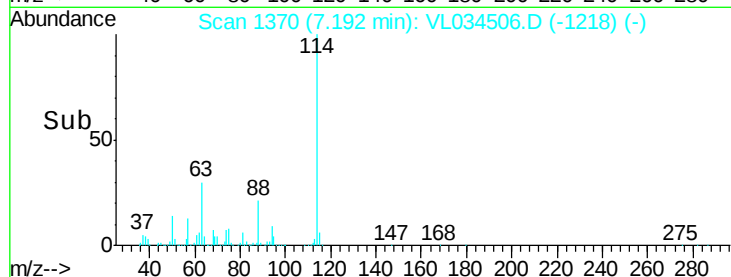
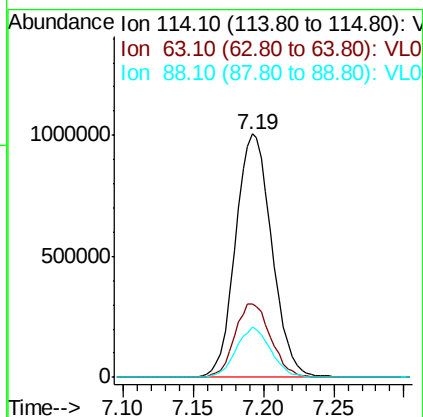
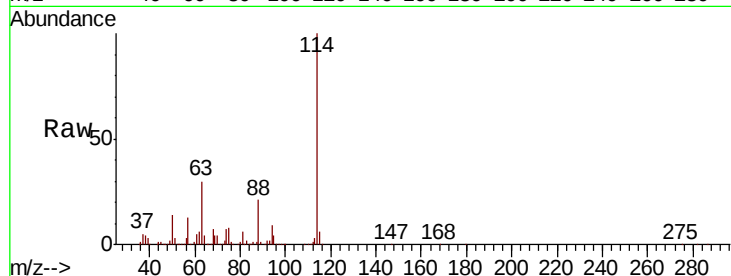




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. -0.01 min
 Lab File: VL034506.D
 Acq: 17 Dec 2019 23:50

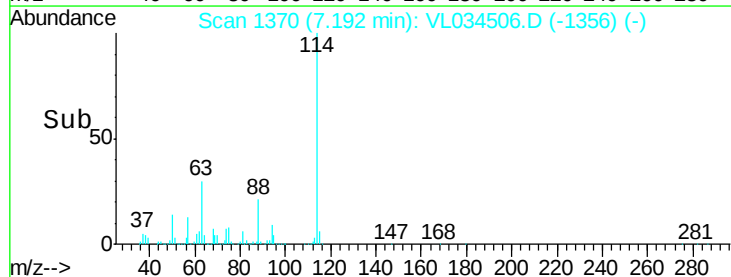
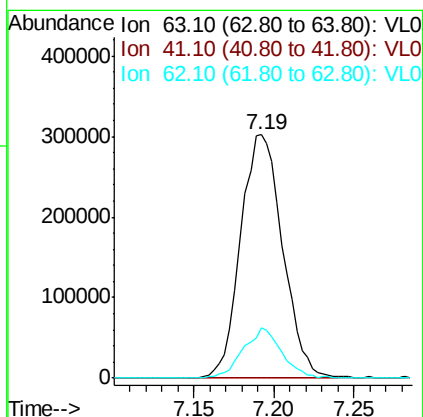
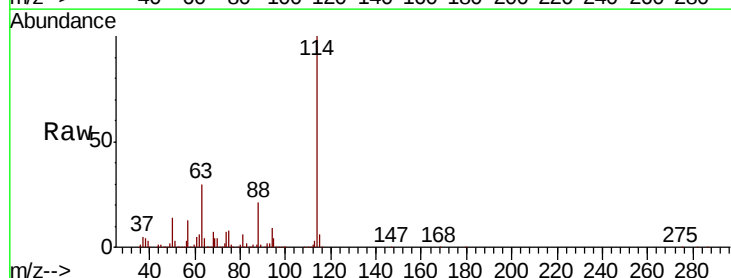
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 MSVOA_L
 ClientSampleId :
 LIHA-OA1DL

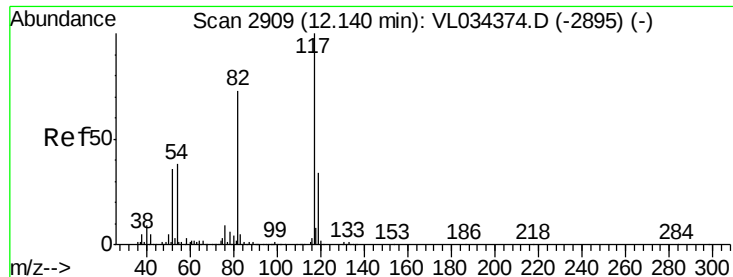
Tgt Ion: 114 Resp: 1813865
 Ion Ratio Lower Upper
 114 100
 63 30.1 24.2 36.4
 88 19.6 15.9 23.9



#39
 1,2-Dichloropropane
 Concen: 7.774 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. -0.46 min
 Lab File: VL034506.D
 Acq: 17 Dec 2019 23:50

Tgt Ion: 63 Resp: 543076
 Ion Ratio Lower Upper
 63 100
 41 0.0 63.1 94.7#
 62 20.7 52.3 78.5#

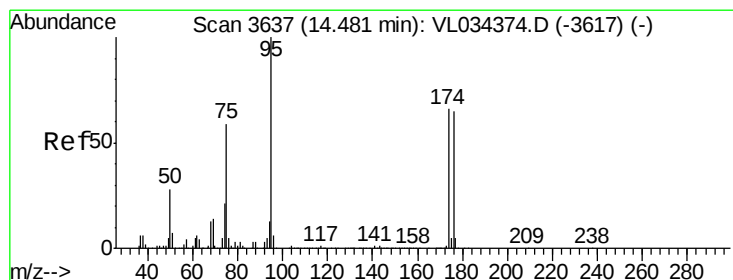
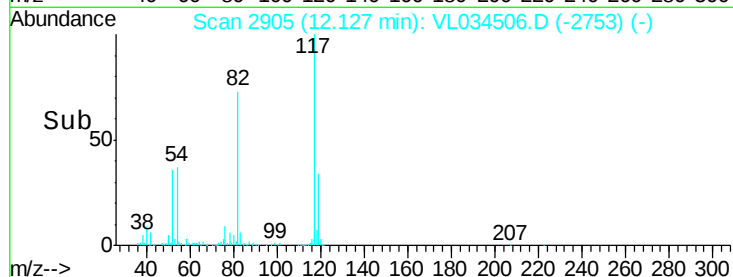
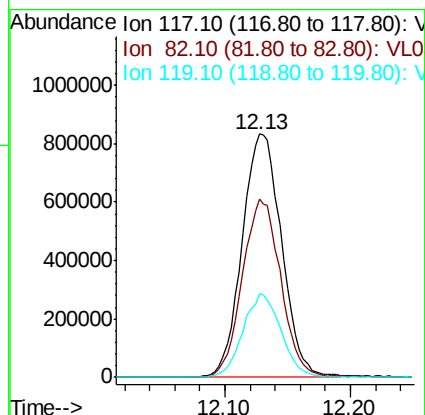
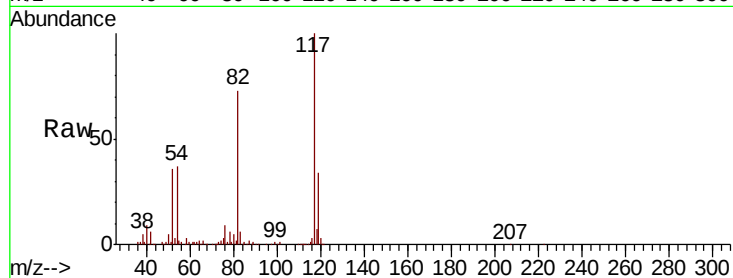




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.01 min
Lab File: VL034506.D
Acq: 17 Dec 2019 23:50

Instrument :
MSVOA_L
ClientSampleId :
LIHA-OA1DL

Tgt Ion: 117 Resp: 1821039
Ion Ratio Lower Upper
117 100
82 71.8 57.5 86.3
119 33.3 25.4 38.2



#68
1-Bromo-4-Fluorobenzene
Concen: 10.057 ppbv
RT: 14.47 min Scan# 3633
Delta R.T. -0.01 min
Lab File: VL034506.D
Acq: 17 Dec 2019 23:50

Tgt Ion: 95 Resp: 1540770
Ion Ratio Lower Upper
95 100
174 65.0 52.2 78.2
175 4.5 3.8 5.8

