

Data File : VL034630.D
Acq On : 18 Feb 2020 18:59
Operator : SY/AP
Sample : L1532-05DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IR-PR-IADL

Quant Time: Feb 19 06:05:05 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	880198	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1841626	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	1886611	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1606171	10.07	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.70%

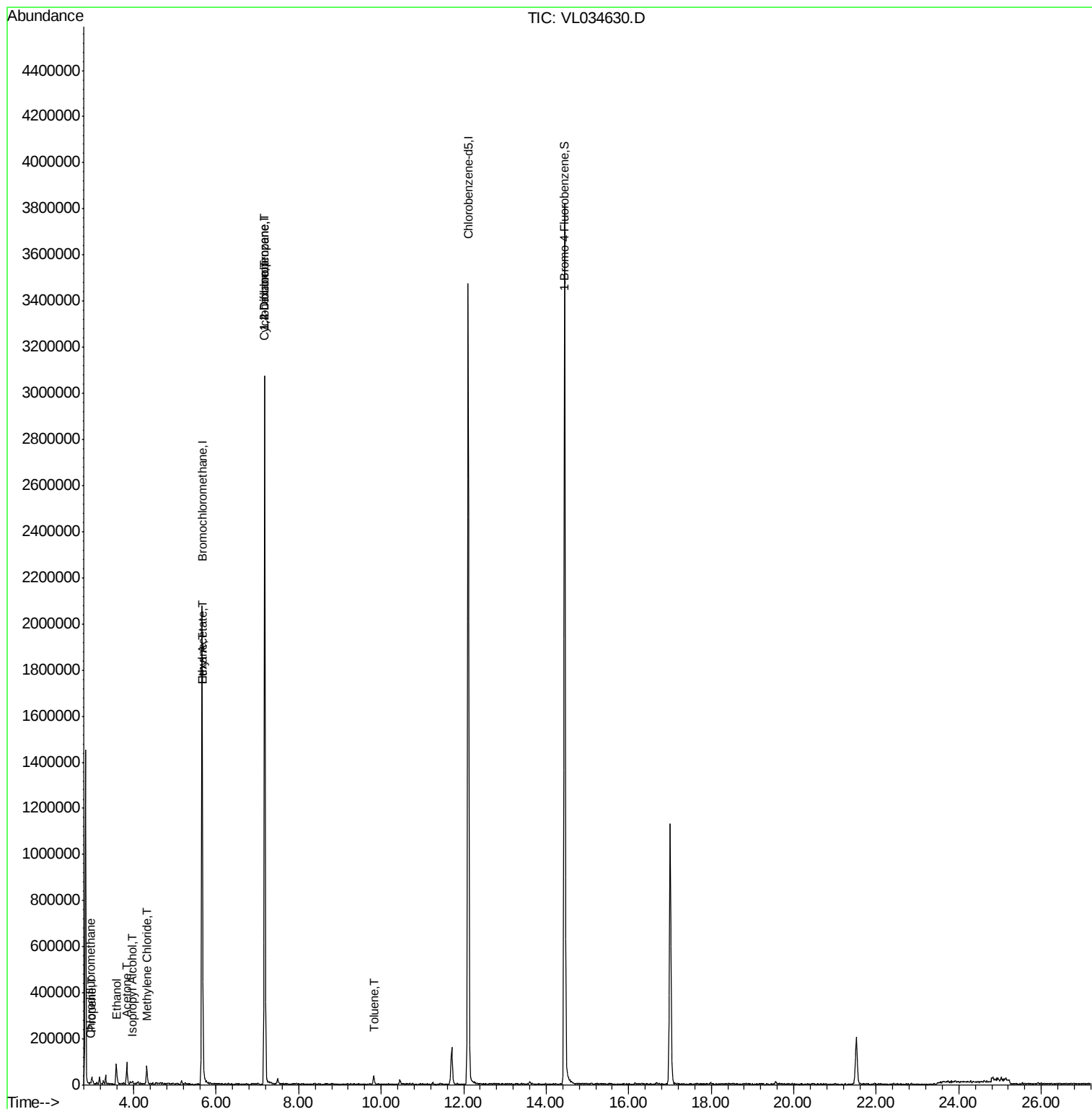
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.95	51	5242	0.049	ppbv	91
9) Propene	2.98	41	4411	0.107	ppbv	99
13) Ethanol	3.58	45	78572	7.084	ppbv	93
15) Acetone	3.83	43	84517	0.653	ppbv #	88
19) Isopropyl Alcohol	3.96	45	4463	0.059	ppbv #	1
20) Methylene Chloride	4.31	84	22531	0.457	ppbv #	80
25) Ethyl Acetate	5.67	43	8044	0.038	ppbv #	85
26) Hexane	5.67	57	10295	0.117	ppbv #	37
30) Cyclohexane	7.16	84	3677	0.057	ppbv #	1
39) 1,2-Dichloropropane	7.18	63	538034	7.925	ppbv #	19
53) Toluene	9.82	91	24938	0.139	ppbv	94

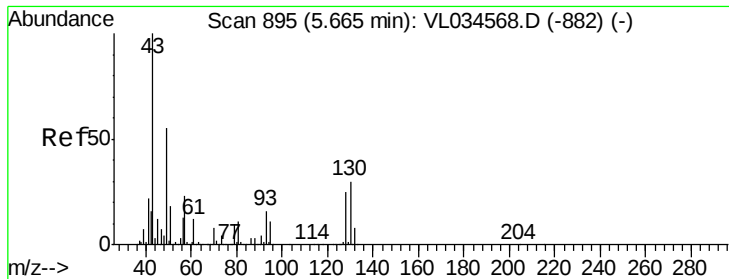
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.01 min

Lab File: VL034630.D

Acq: 18 Feb 2020 18:59

Instrument :

MSVOA_L

ClientSampleId :

IR-PR-IADL

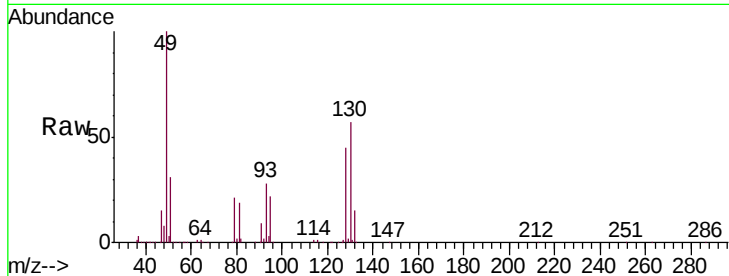
Tgt Ion: 49 Resp: 880198

Ion Ratio Lower Upper

49 100

128 46.5 22.7 68.1

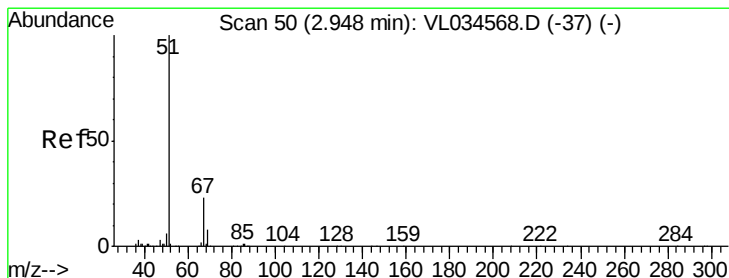
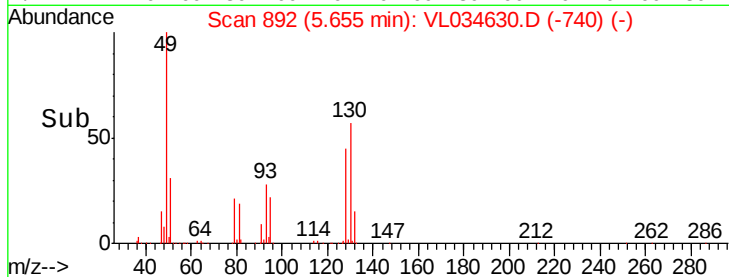
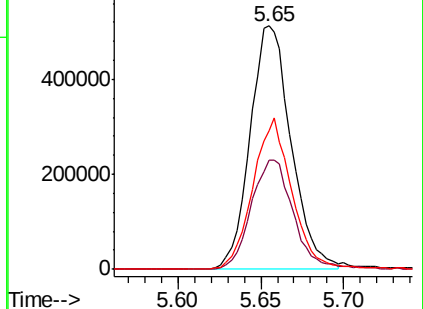
130 60.0 28.6 85.8



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



#3

Chlorodifluoromethane

Concen: 0.049 ppbv

RT: 2.95 min Scan# 52

Delta R.T. 0.01 min

Lab File: VL034630.D

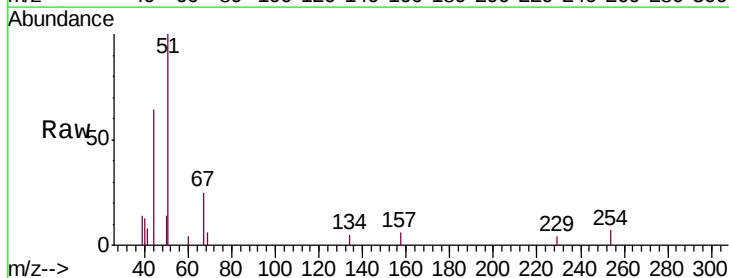
Acq: 18 Feb 2020 18:59

Tgt Ion: 51 Resp: 5242

Ion Ratio Lower Upper

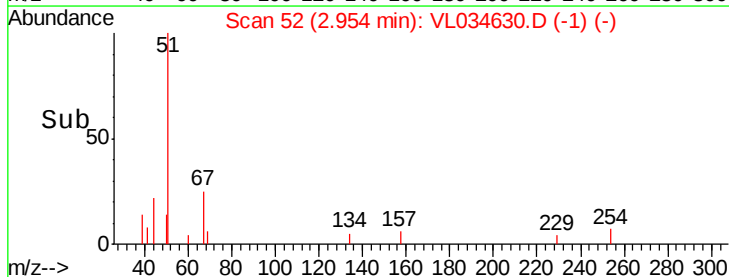
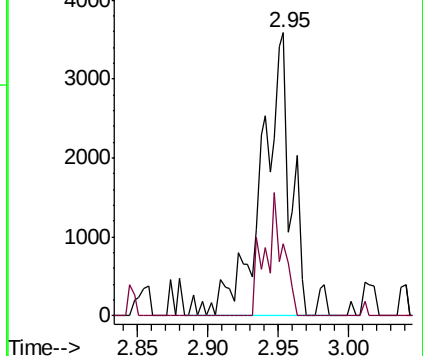
51 100

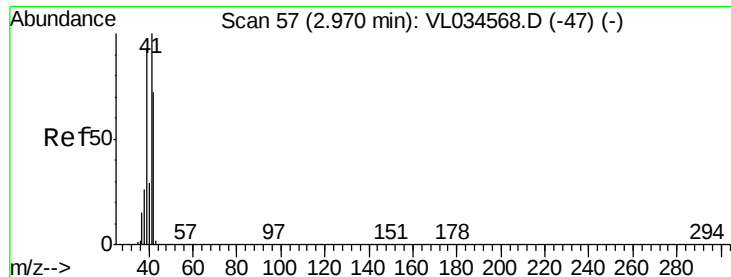
67 26.4 17.8 26.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.107 ppbv

RT: 2.98 min Scan# 59

Delta R.T. 0.01 min

Lab File: VL034630.D

Acq: 18 Feb 2020 18:59

Instrument :

MSVOA_L

ClientSampleId :

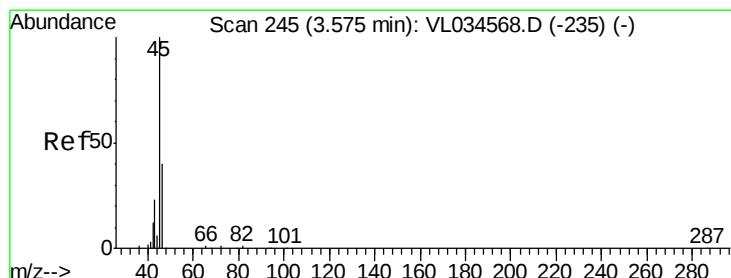
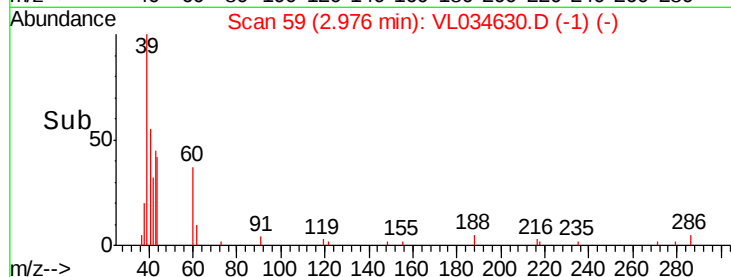
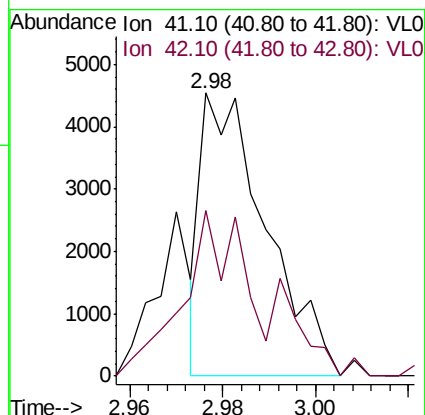
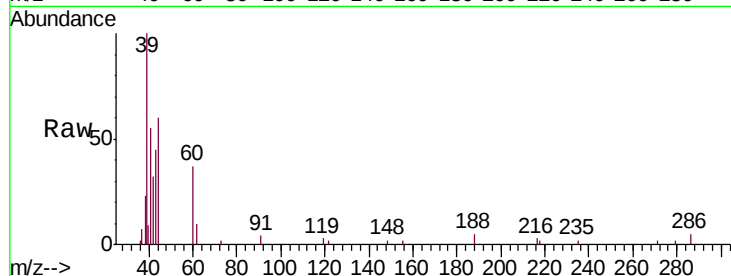
IR-PR-IADL

Tgt Ion: 41 Resp: 4411

Ion Ratio Lower Upper

41 100

42 72.3 57.0 85.4



#13

Ethanol

Concen: 7.084 ppbv

RT: 3.58 min Scan# 246

Delta R.T. 0.00 min

Lab File: VL034630.D

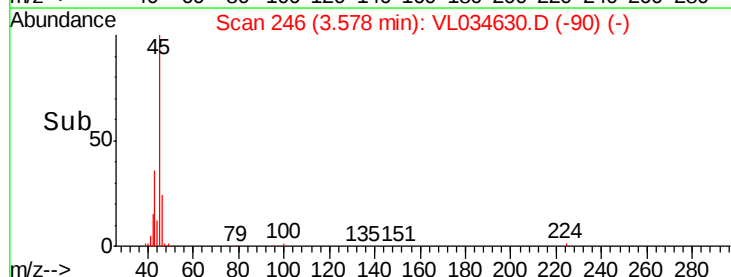
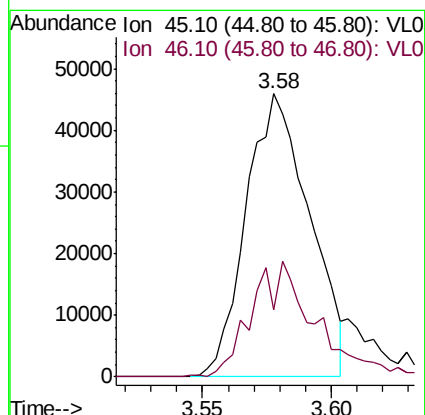
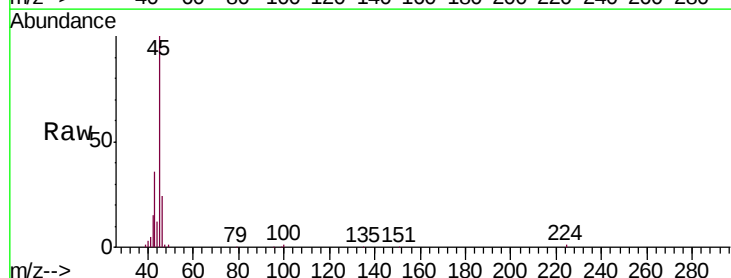
Acq: 18 Feb 2020 18:59

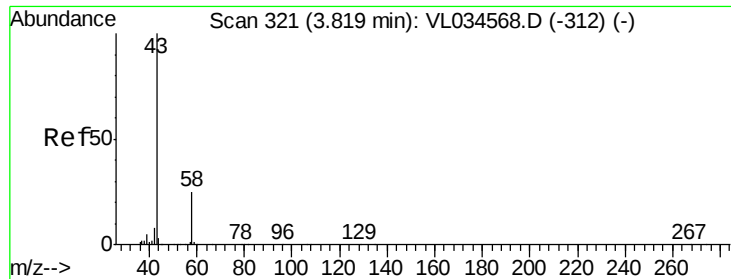
Tgt Ion: 45 Resp: 78572

Ion Ratio Lower Upper

45 100

46 41.1 14.8 59.2





#15

Acetone

Concen: 0.653 ppbv

RT: 3.83 min Scan# 324

Delta R.T. 0.01 min

Lab File: VL034630.D

Acq: 18 Feb 2020 18:59

Instrument :

MSVOA_L

ClientSampleId :

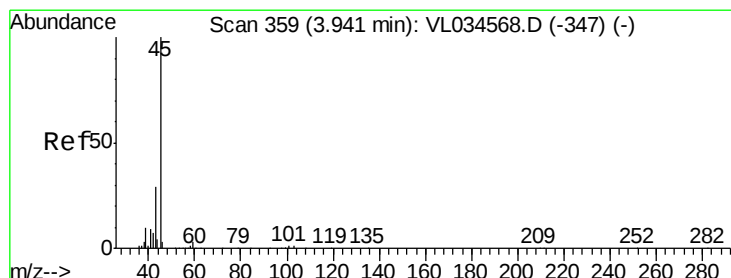
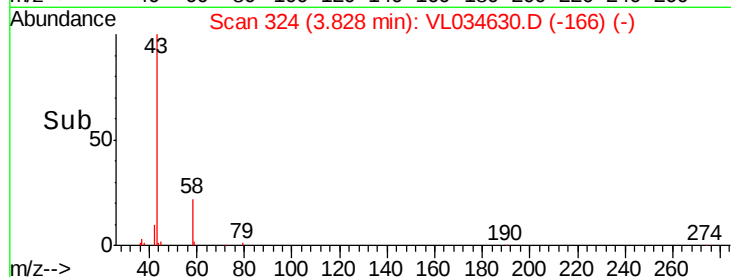
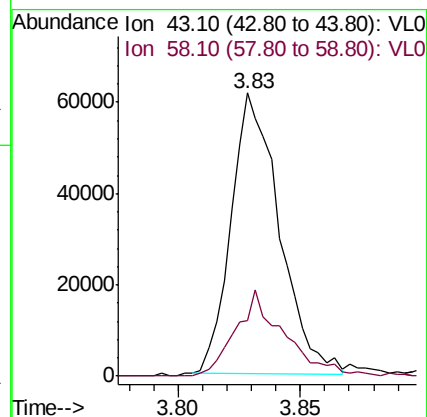
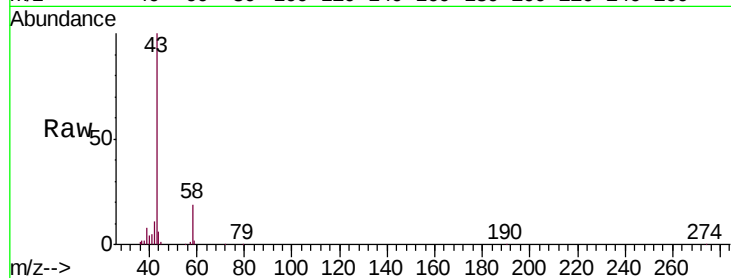
IR-PR-IADL

Tgt Ion: 43 Resp: 84517

Ion Ratio Lower Upper

43 100

58 31.3 20.3 30.5#



#19

Isopropyl Alcohol

Concen: 0.059 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.02 min

Lab File: VL034630.D

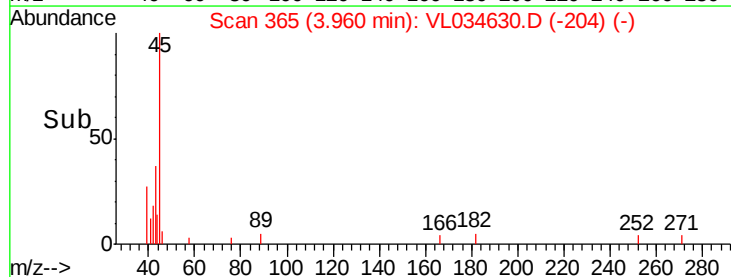
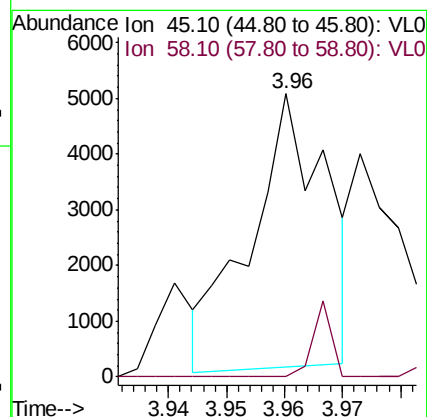
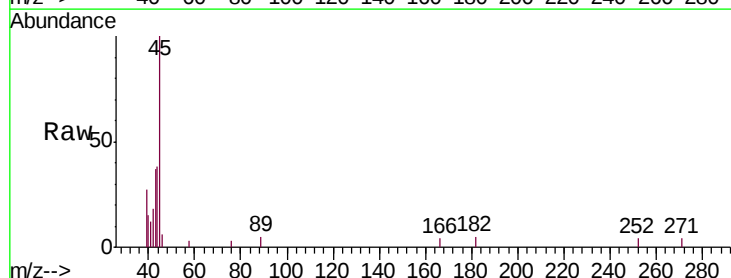
Acq: 18 Feb 2020 18:59

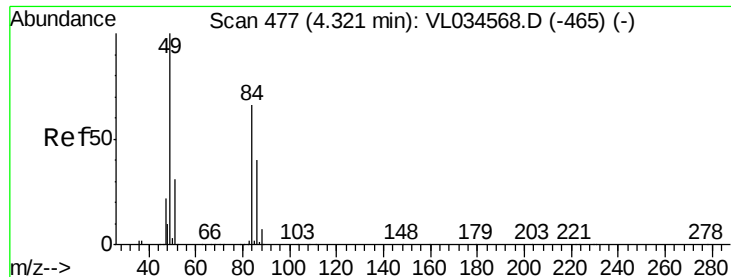
Tgt Ion: 45 Resp: 4463

Ion Ratio Lower Upper

45 100

58 593.3 1.7 2.5#





#20

Methylene Chloride

Concen: 0.457 ppbv

RT: 4.31 min Scan# 475

Delta R.T. -0.01 min

Lab File: VL034630.D

Acq: 18 Feb 2020 18:59

Instrument :

MSVOA_L

ClientSampleId :

IR-PR-IADL

Tgt Ion: 84 Resp: 22531

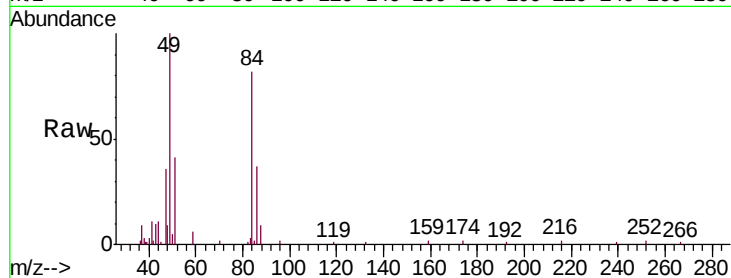
Ion Ratio Lower Upper

84 100

49 120.5 122.4 183.6#

51 49.5 38.6 57.8

86 44.4 49.0 73.6#

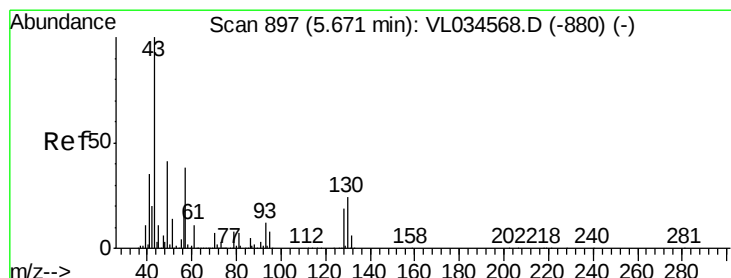
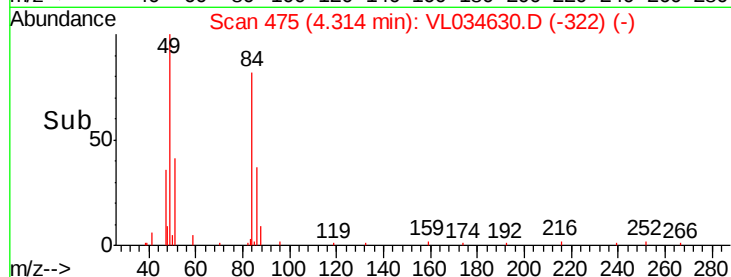
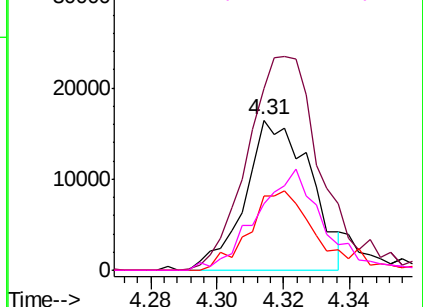


Abundance Ion 84.00 (83.70 to 84.70): VL0

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: 0.038 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.00 min

Lab File: VL034630.D

Acq: 18 Feb 2020 18:59

Tgt Ion: 43 Resp: 8044

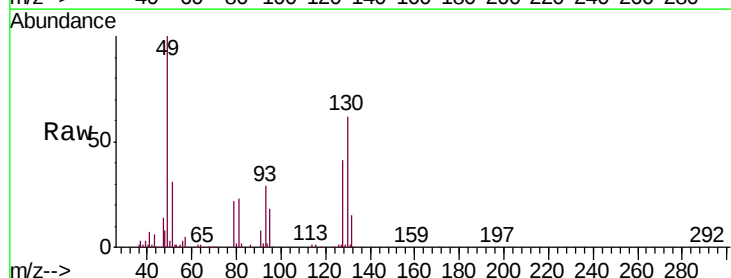
Ion Ratio Lower Upper

43 100

45 6.6 8.5 12.7#

61 0.0 7.8 11.6#

70 5.2 5.8 8.8#

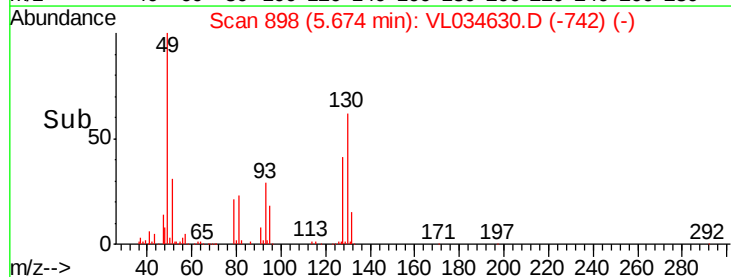
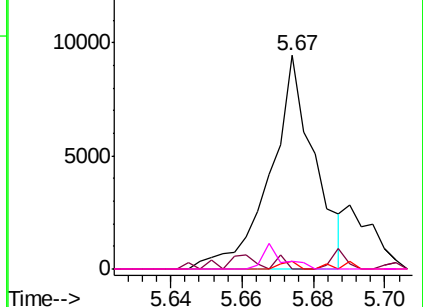


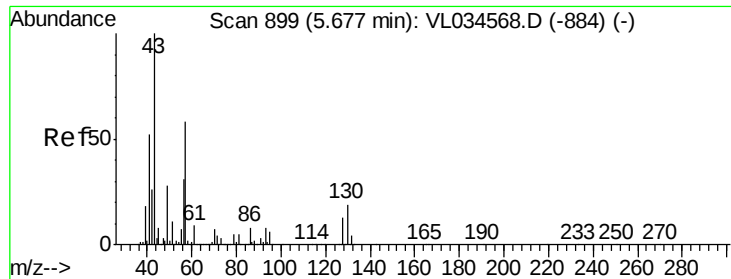
Abundance Ion 43.10 (42.80 to 43.80): VL0

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

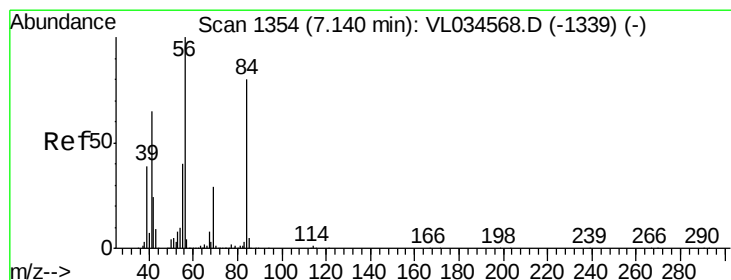
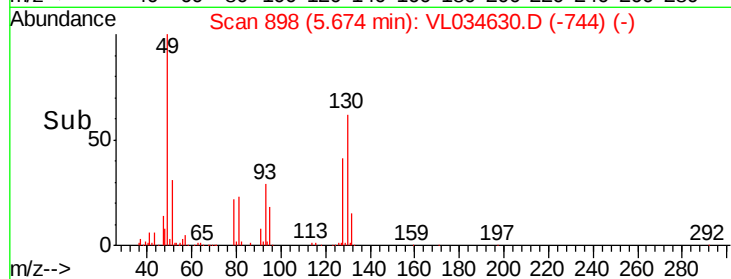
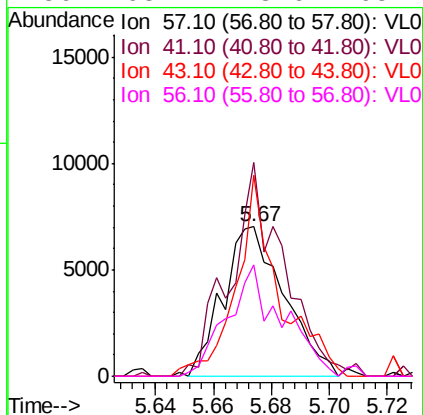
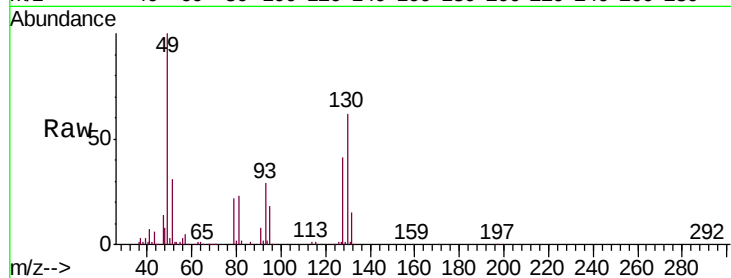




#26
Hexane
Concen: 0.117 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.00 min
Lab File: VL034630.D
Acq: 18 Feb 2020 18:59

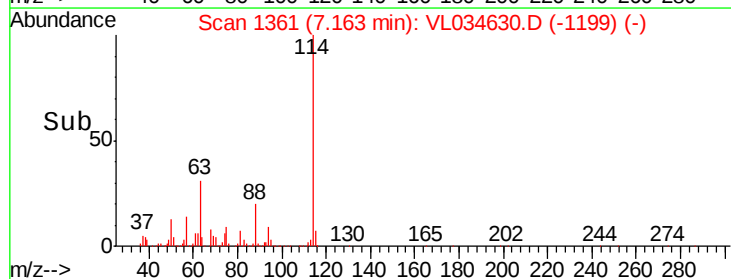
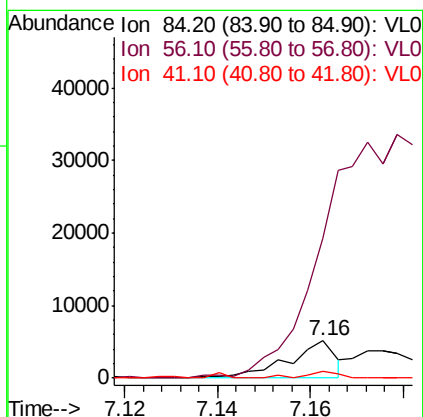
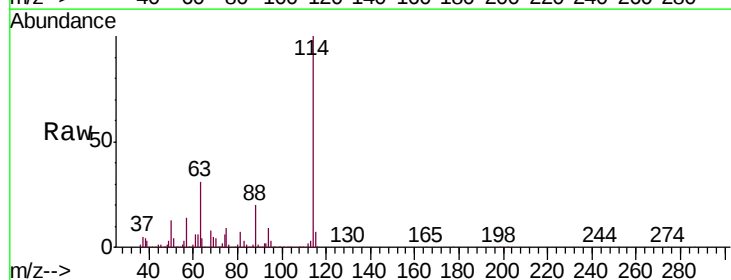
Instrument :
MSVOA_L
ClientSampleId :
IR-PR-IADL

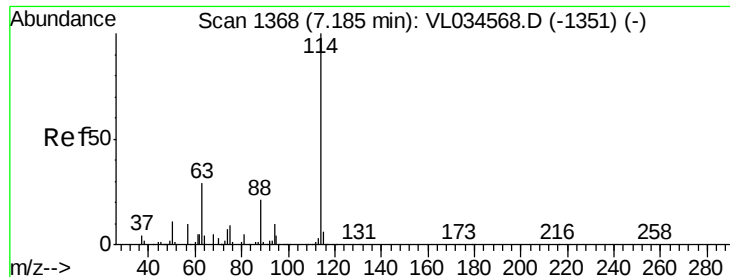
Tgt Ion: 57 Resp: 10295
Ion Ratio Lower Upper
57 100
41 125.9 76.2 114.2#
43 93.0 189.9 284.9#
56 68.7 43.6 65.4#



#30
Cyclohexane
Concen: 0.057 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. 0.02 min
Lab File: VL034630.D
Acq: 18 Feb 2020 18:59

Tgt Ion: 84 Resp: 3677
Ion Ratio Lower Upper
84 100
56 0.0 110.5 165.7#
41 19.1 71.9 107.9#

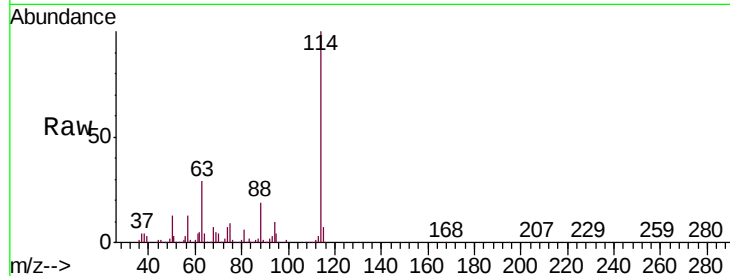




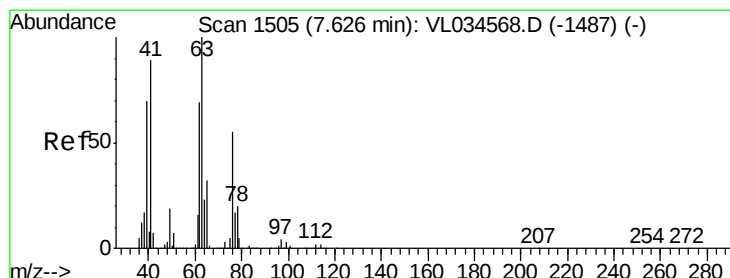
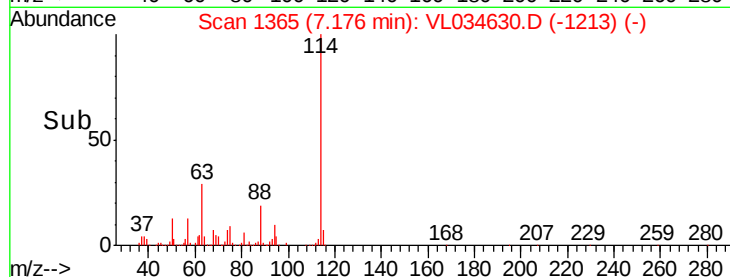
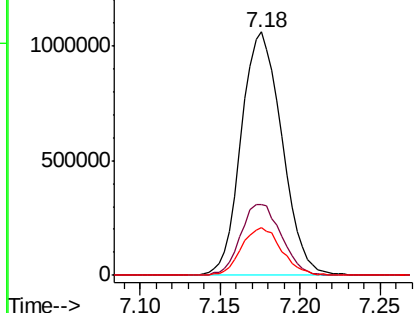
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VL034630.D
 Acq: 18 Feb 2020 18:59

Instrument :
 MSVOA_L
 ClientSampleId :
 IR-PR-IADL

Tgt Ion:114 Resp: 1841626
 Ion Ratio Lower Upper
 114 100
 63 29.4 24.1 36.1
 88 19.3 15.9 23.9

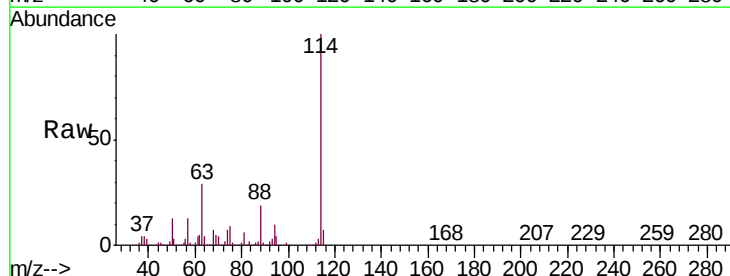


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

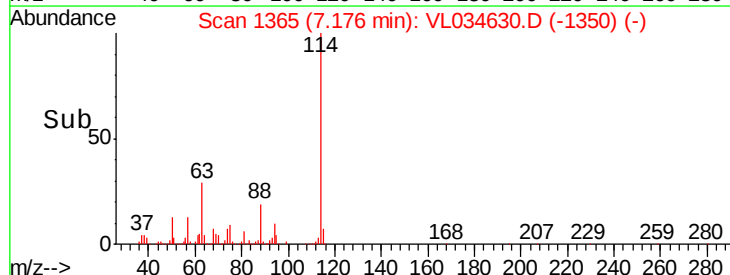
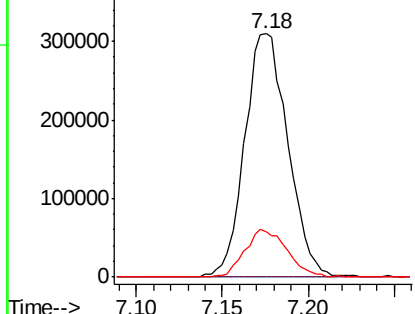


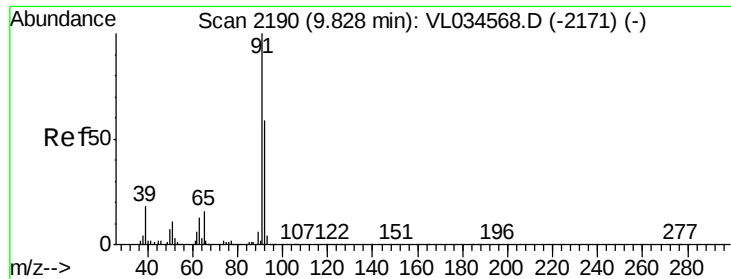
#39
 1,2-Dichloropropane
 Concen: 7.925 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.45 min
 Lab File: VL034630.D
 Acq: 18 Feb 2020 18:59

Tgt Ion: 63 Resp: 538034
 Ion Ratio Lower Upper
 63 100
 41 0.0 71.0 106.4#
 62 18.4 55.4 83.0#



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





#53

Toluene

Concen: 0.139 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.01 min

Lab File: VL034630.D

Acq: 18 Feb 2020 18:59

Instrument :

MSVOA_L

ClientSampleId :

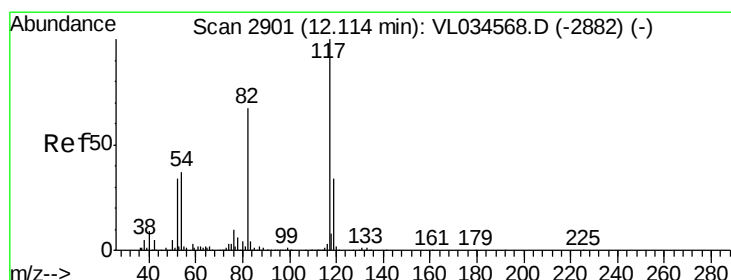
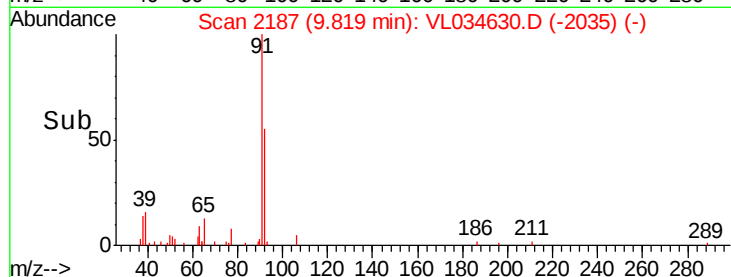
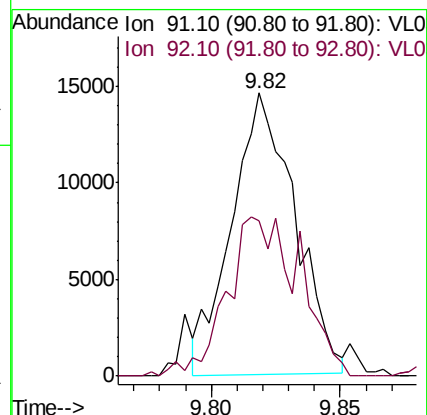
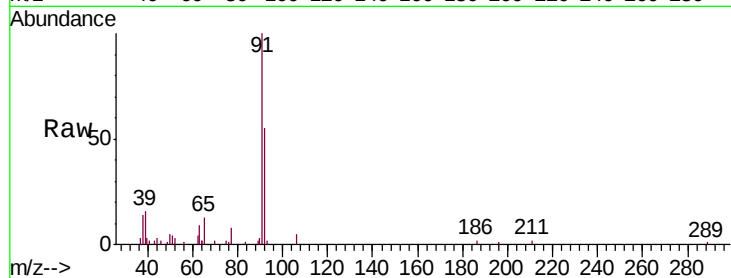
IR-PR-IADL

Tgt Ion: 91 Resp: 24938

Ion Ratio Lower Upper

91 100

92 64.9 48.2 72.2



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. -0.01 min

Lab File: VL034630.D

Acq: 18 Feb 2020 18:59

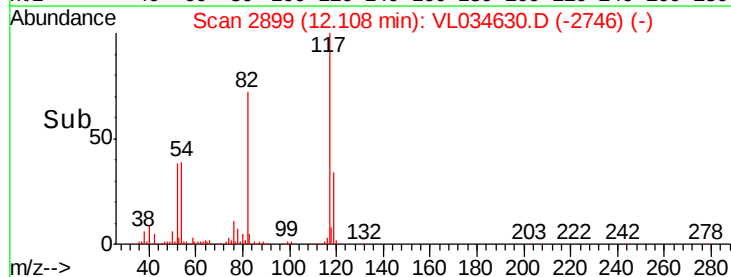
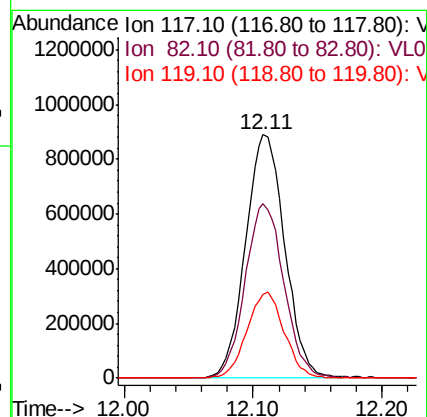
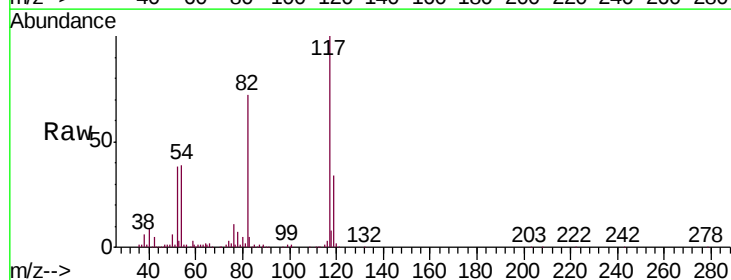
Tgt Ion: 117 Resp: 1886611

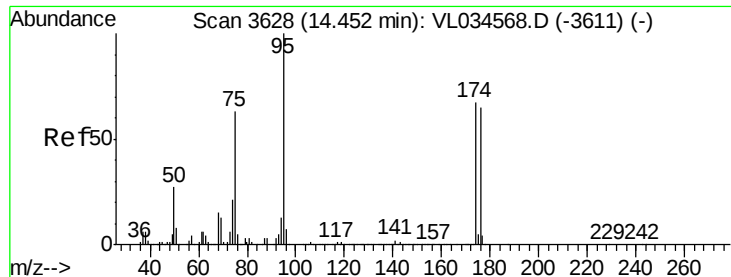
Ion Ratio Lower Upper

117 100

82 71.1 54.2 81.4

119 33.7 26.1 39.1





#68

1-Bromo-4-Fluorobenzene

Concen: 10.074 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. -0.01 min

Lab File: VL034630.D

Acq: 18 Feb 2020 18:59

Instrument :

MSVOA_L

ClientSampleId :

IR-PR-IADL

Tgt Ion: 95 Resp: 1606171

Ion Ratio Lower Upper

95 100

174 63.4 52.3 78.5

175 4.5 3.8 5.6

