

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031720\
 Data File : VL034920.D
 Acq On : 17 Mar 2020 18:03
 Operator : SY/AP
 Sample : L1952-02DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL

Quant Time: Mar 18 06:59:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 09 16:42:53 2020
 QLast Update : Mon Mar 09 16:42:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1061056	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2253568	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2230408	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1866883	10.73	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.30%

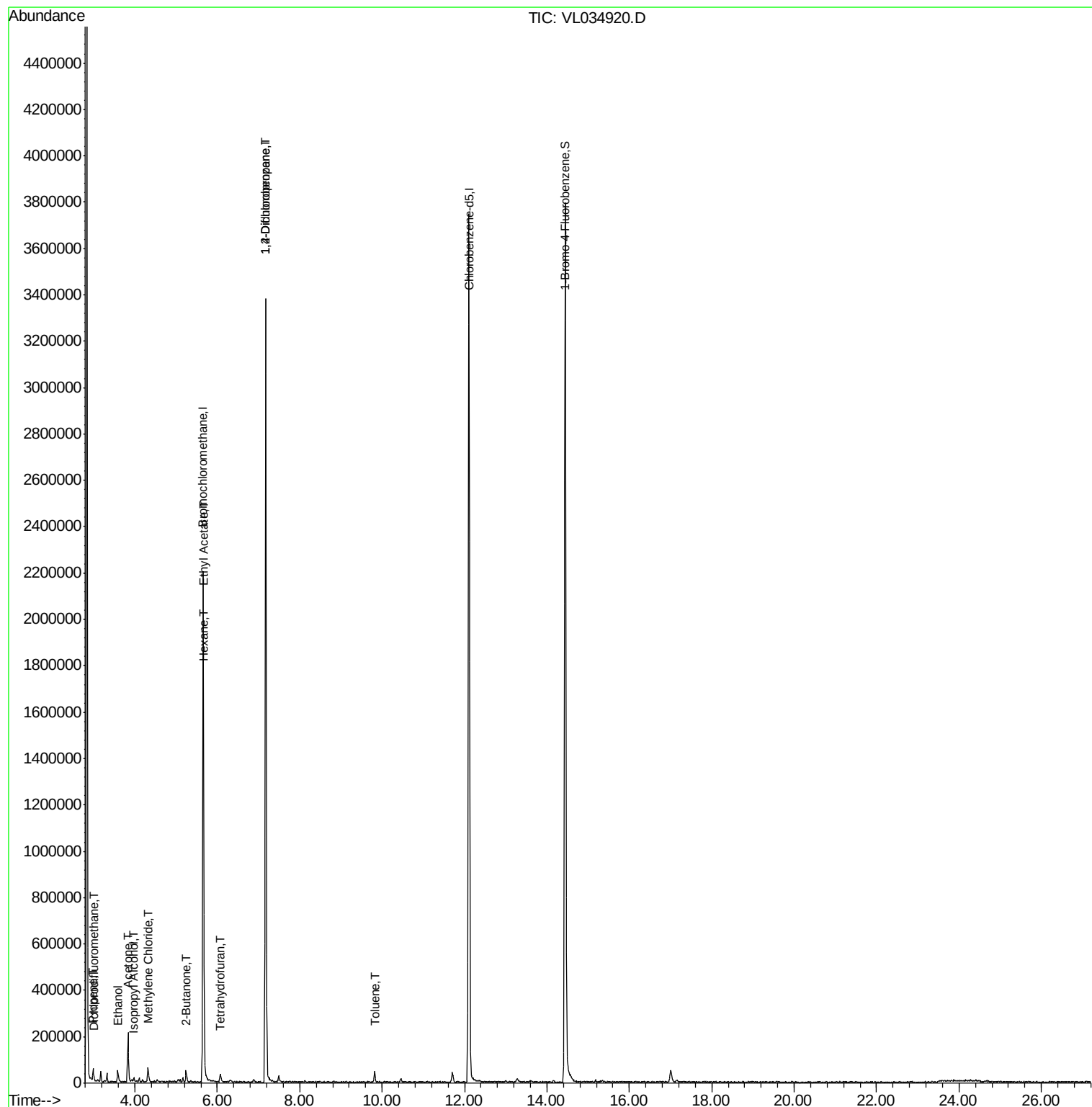
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.01	85	9546	0.066	ppbv	94
9) Propene	2.99	41	11307	0.200	ppbv #	82
13) Ethanol	3.58	45	44461	2.584	ppbv	98
15) Acetone	3.83	43	208227	1.514	ppbv	100
19) Isopropyl Alcohol	3.96	45	4870	0.056	ppbv #	37
20) Methylene Chloride	4.32	84	18684	0.430	ppbv	91
25) Ethyl Acetate	5.67	43	18997	0.078	ppbv #	87
26) Hexane	5.67	57	12172	0.115	ppbv #	34
34) 2-Butanone	5.24	43	31939	0.213	ppbv #	68
39) 1,2-Dichloropropane	7.17	63	625625	7.861	ppbv #	24
41) Tetrahydrofuran	6.06	42	3397	0.042	ppbv #	37
53) Toluene	9.82	91	33966	0.146	ppbv	92

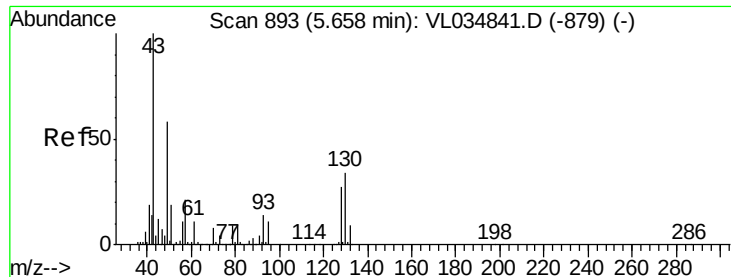
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 18 06:59:47 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 09 16:42:53 2020
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.00 min

Lab File: VL034920.D

Acq: 17 Mar 2020 18:03

Instrument :

MSVOA_L

ClientSampleId :

IA-1DL

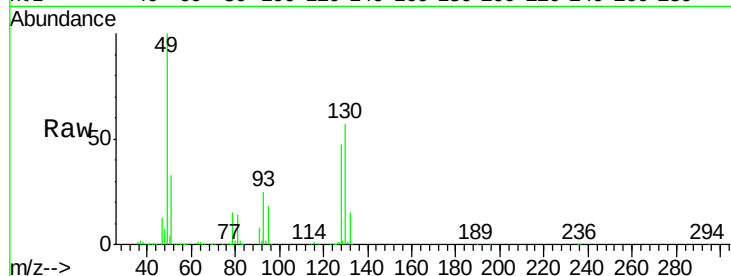
Tgt Ion: 49 Resp: 1061056

Ion Ratio Lower Upper

49 100

128 45.8 23.4 70.3

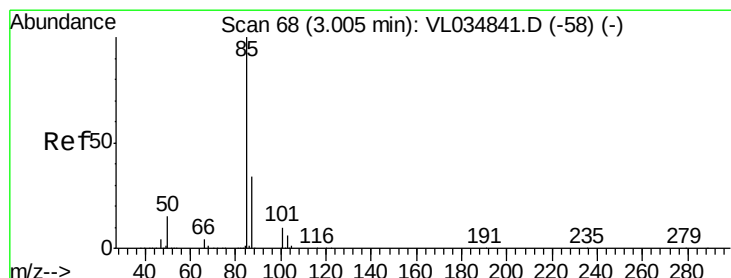
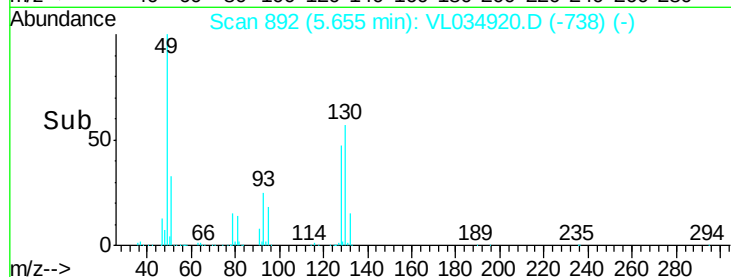
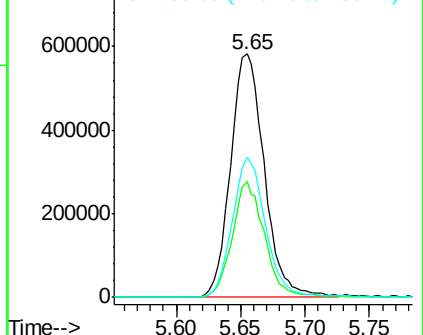
130 57.1 30.0 90.0



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: 0.066 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VL034920.D

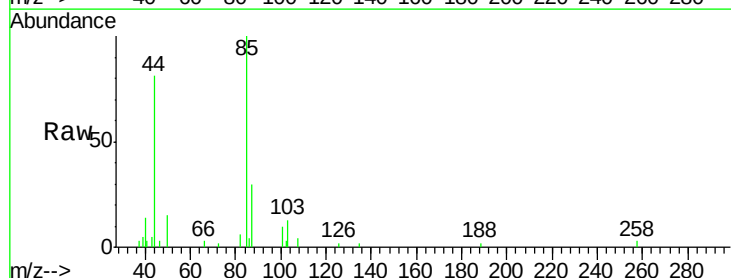
Acq: 17 Mar 2020 18:03

Tgt Ion: 85 Resp: 9546

Ion Ratio Lower Upper

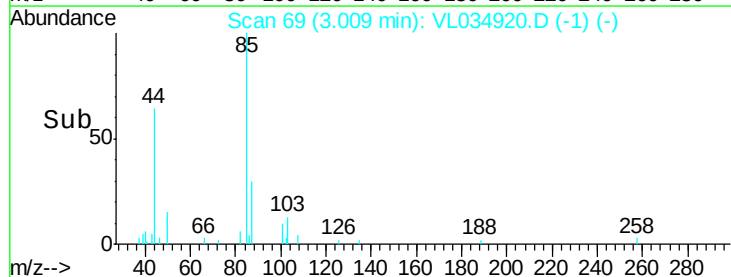
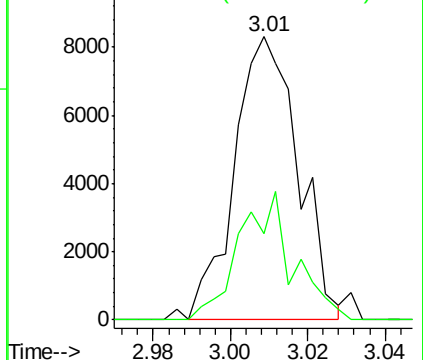
85 100

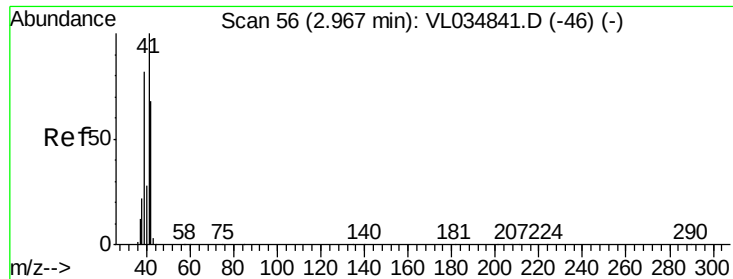
87 30.4 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#9

Propene

Concen: 0.200 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.02 min

Lab File: VL034920.D

Acq: 17 Mar 2020 18:03

Instrument :

MSVOA_L

ClientSampleId :

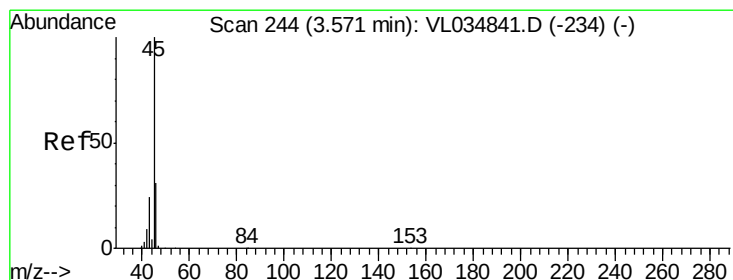
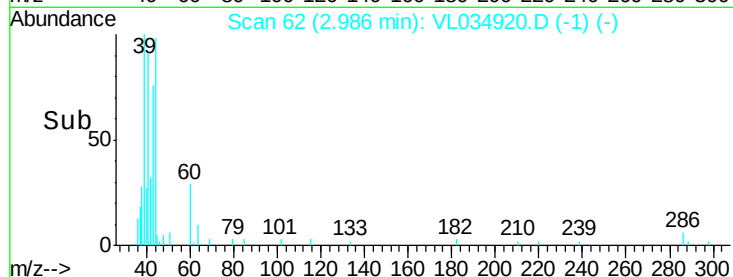
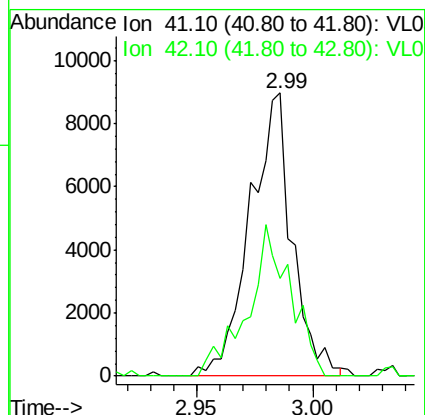
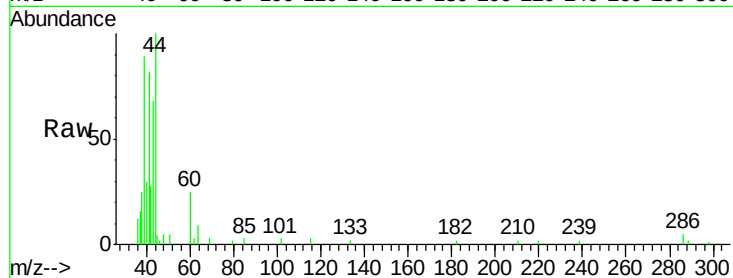
IA-1DL

Tgt Ion: 41 Resp: 11307

Ion Ratio Lower Upper

41 100

42 54.6 55.2 82.8#



#13

Ethanol

Concen: 2.584 ppbv

RT: 3.58 min Scan# 248

Delta R.T. 0.01 min

Lab File: VL034920.D

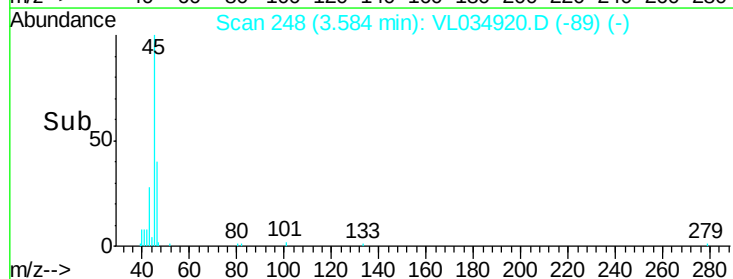
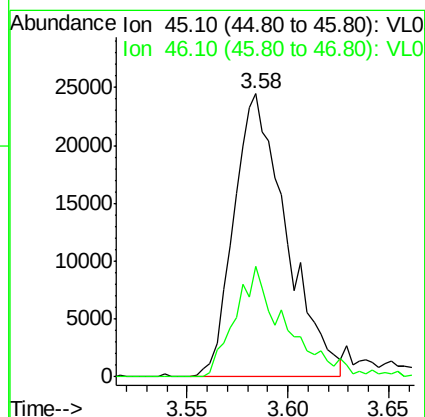
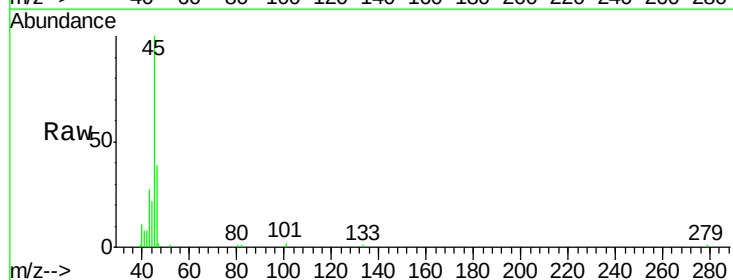
Acq: 17 Mar 2020 18:03

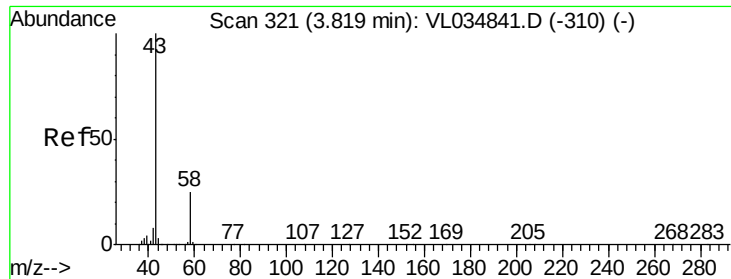
Tgt Ion: 45 Resp: 44461

Ion Ratio Lower Upper

45 100

46 39.0 16.0 64.0

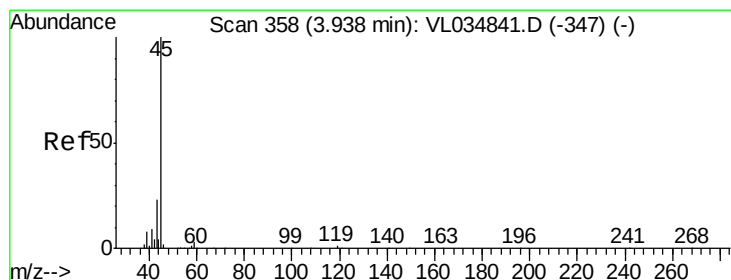
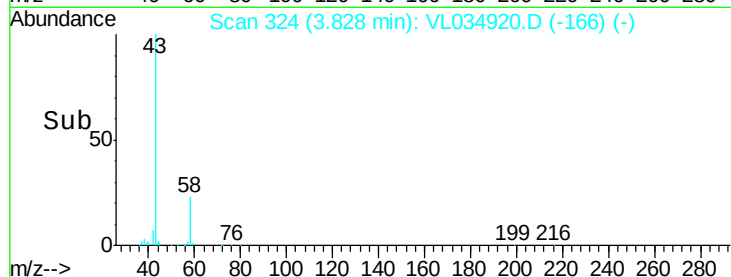
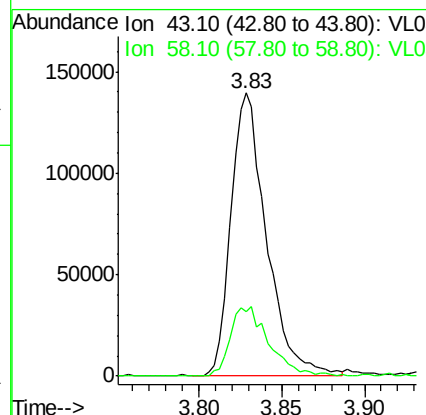
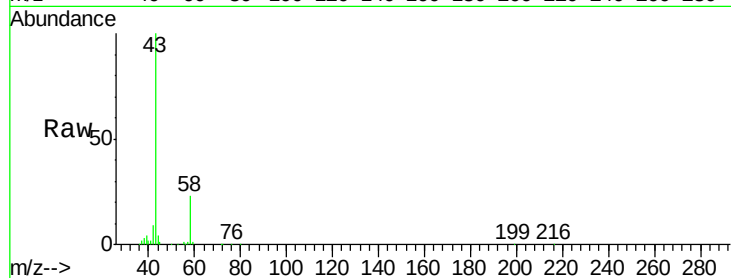




#15
Acetone
Concen: 1.514 ppbv
RT: 3.83 min Scan# 324
Delta R.T. 0.01 min
Lab File: VL034920.D
Acq: 17 Mar 2020 18:03

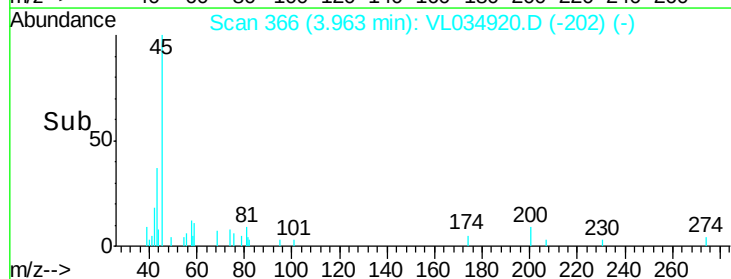
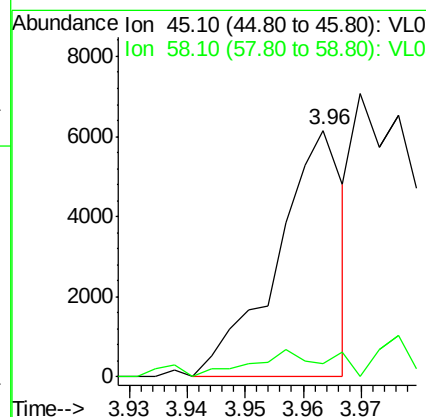
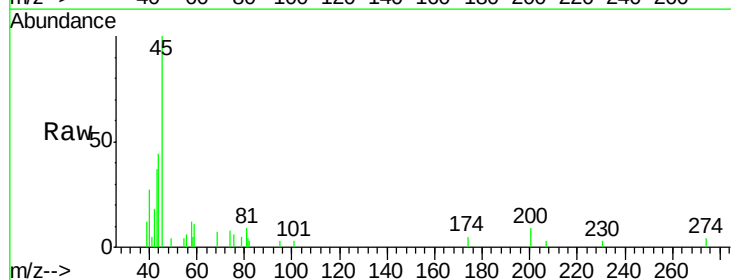
Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

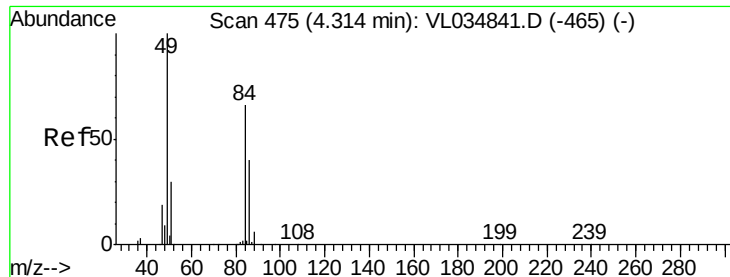
Tgt Ion: 43 Resp: 208227
Ion Ratio Lower Upper
43 100
58 26.5 21.0 31.6



#19
Isopropyl Alcohol
Concen: 0.056 ppbv
RT: 3.96 min Scan# 366
Delta R.T. 0.03 min
Lab File: VL034920.D
Acq: 17 Mar 2020 18:03

Tgt Ion: 45 Resp: 4870
Ion Ratio Lower Upper
45 100
58 0.0 30.5 45.7#

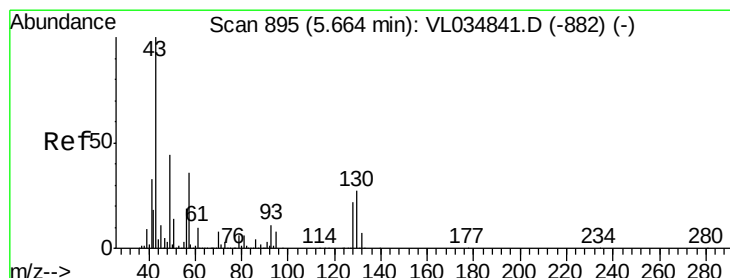
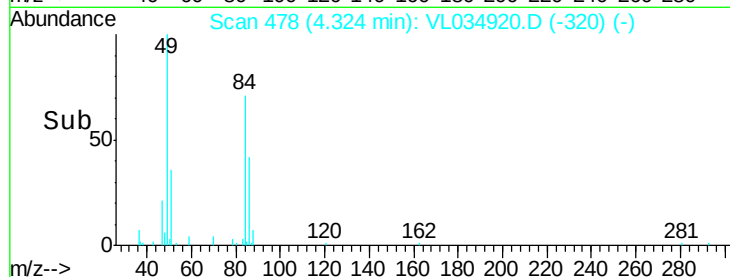
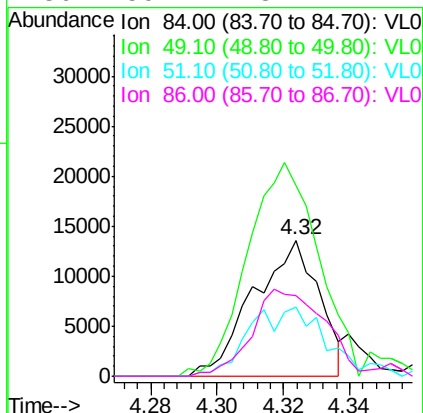
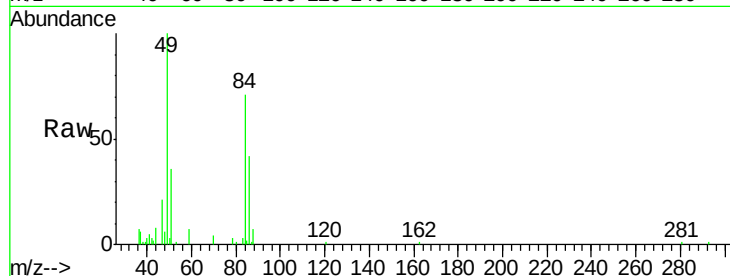




#20
Methylene Chloride
Concen: 0.430 ppbv
RT: 4.32 min Scan# 478
Delta R.T. 0.01 min
Lab File: VL034920.D
Acq: 17 Mar 2020 18:03

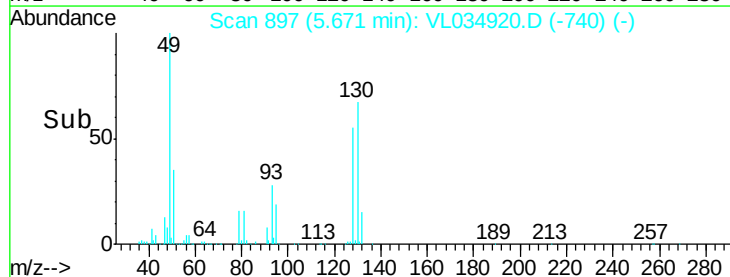
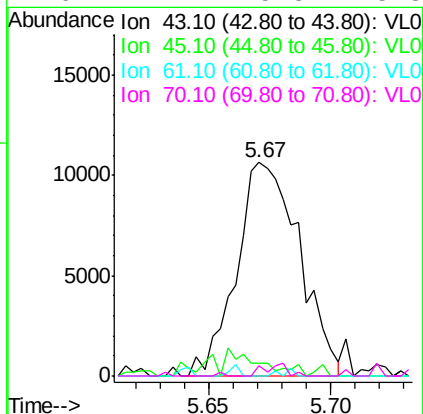
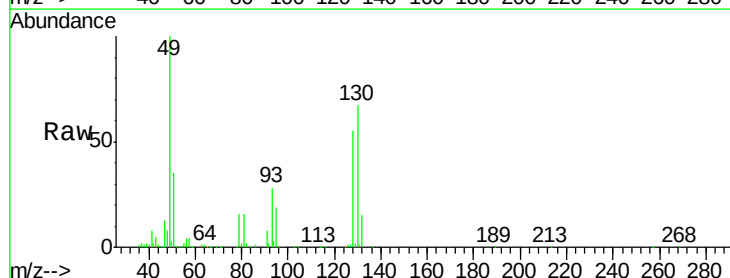
Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

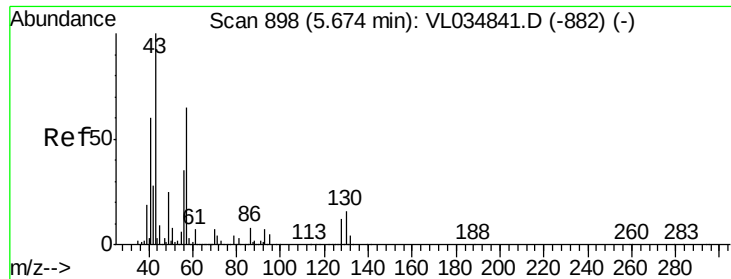
Tgt Ion:	84	Resp:	18684
Ion	Ratio	Lower	Upper
84	100		
49	135.1	121.5	182.3
51	50.9	36.6	55.0
86	59.2	48.2	72.2



#25
Ethyl Acetate
Concen: 0.078 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL034920.D
Acq: 17 Mar 2020 18:03

Tgt Ion:	43	Resp:	18997
Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.2	12.2
61	0.6	7.8	11.6#
70	2.2	5.8	8.8#

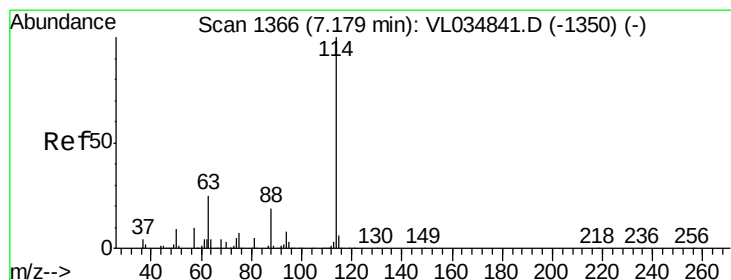
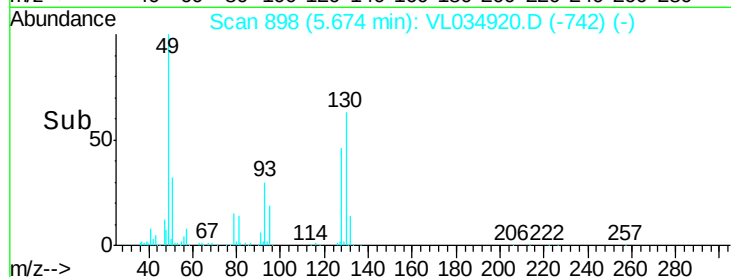
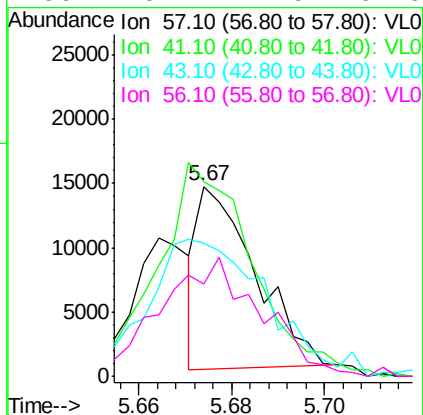
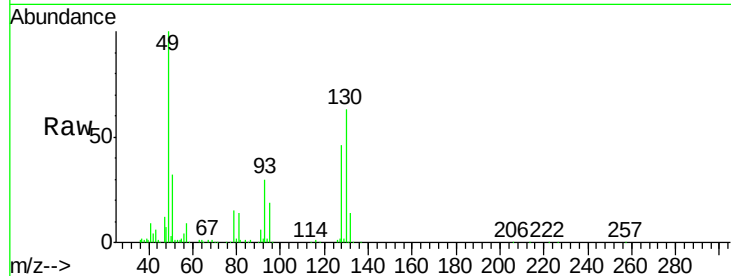




#26
Hexane
Concen: 0.115 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.00 min
Lab File: VL034920.D
Acq: 17 Mar 2020 18:03

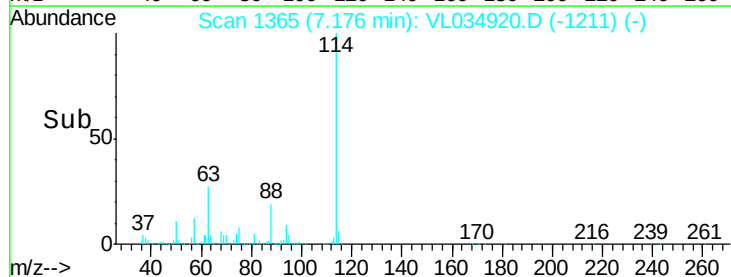
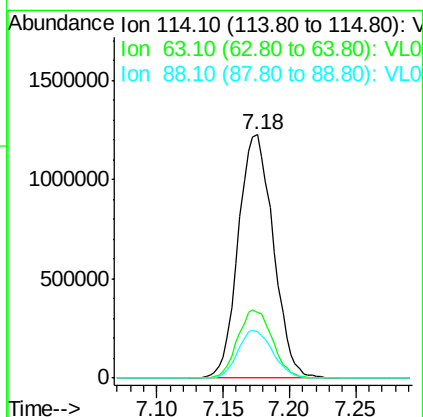
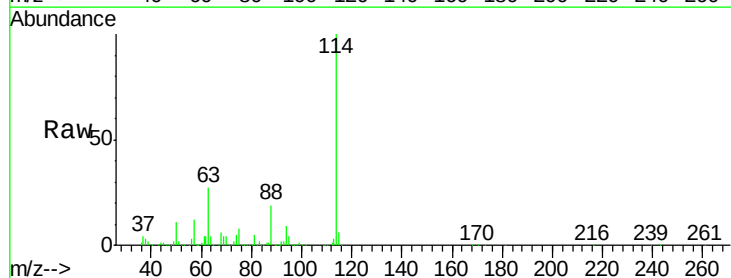
Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

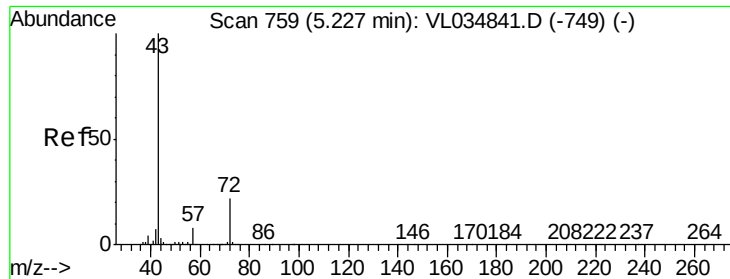
Tgt Ion: 57 Resp: 12172
Ion Ratio Lower Upper
57 100
41 203.9 72.6 109.0#
43 165.0 183.8 275.6#
56 116.4 41.9 62.9#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VL034920.D
Acq: 17 Mar 2020 18:03

Tgt Ion: 114 Resp: 2253568
Ion Ratio Lower Upper
114 100
63 27.9 20.6 31.0
88 19.5 15.0 22.6

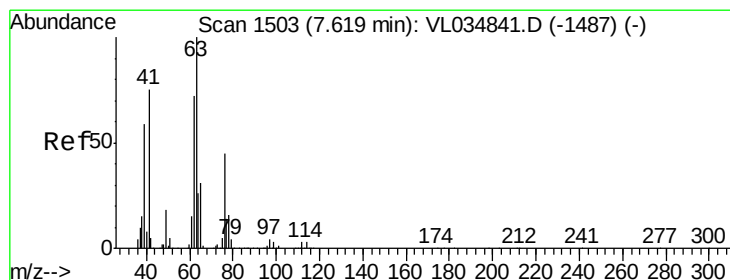
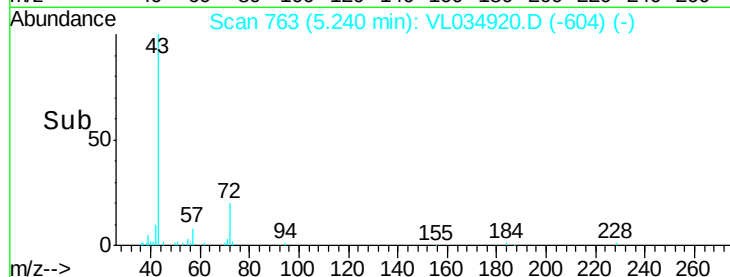
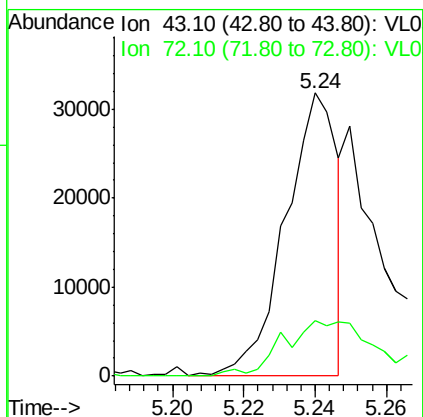
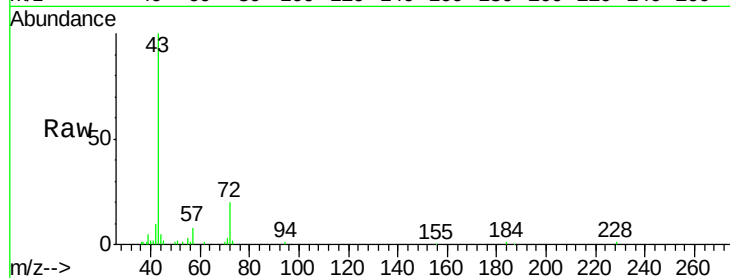




#34
2-Butanone
Concen: 0.213 ppbv
RT: 5.24 min Scan# 763
Delta R.T. 0.01 min
Lab File: VL034920.D
Acq: 17 Mar 2020 18:03

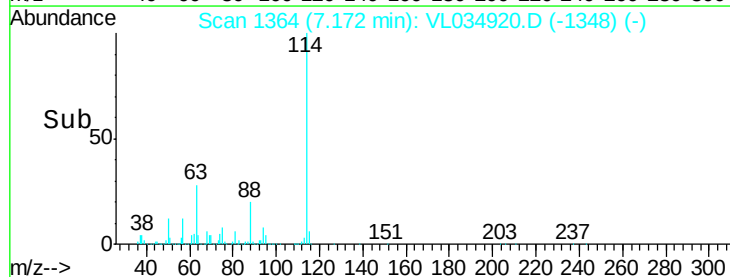
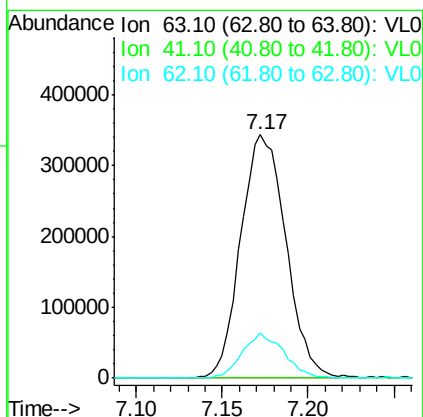
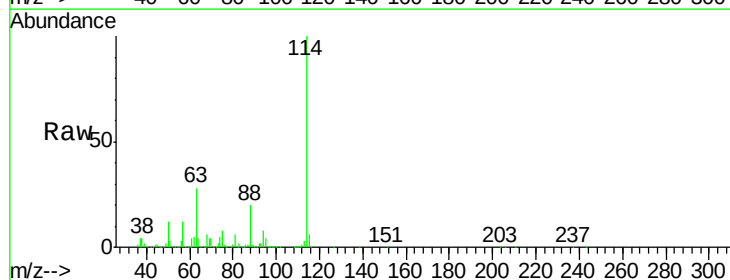
Instrument :
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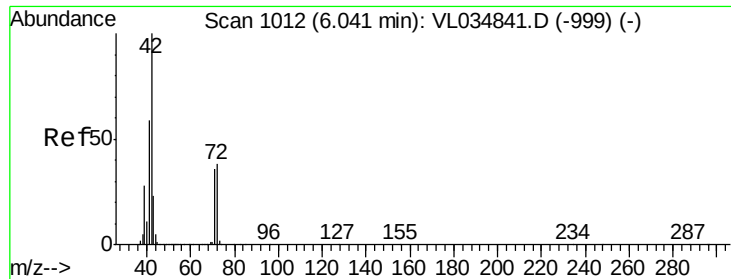
Tgt Ion: 43 Resp: 31939
Ion Ratio Lower Upper
43 100
72 37.1 17.6 26.4#



#39
1,2-Dichloropropane
Concen: 7.861 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.45 min
Lab File: VL034920.D
Acq: 17 Mar 2020 18:03

Tgt Ion: 63 Resp: 625625
Ion Ratio Lower Upper
63 100
41 0.0 59.8 89.8#
62 18.7 57.6 86.4#





#41

Tetrahydrofuran

Concen: 0.042 ppbv

RT: 6.06 min Scan# 1017

Delta R.T. 0.02 min

Lab File: VL034920.D

Acq: 17 Mar 2020 18:03

Instrument :

MSVOA_L

ClientSampleId :

IA-1DL

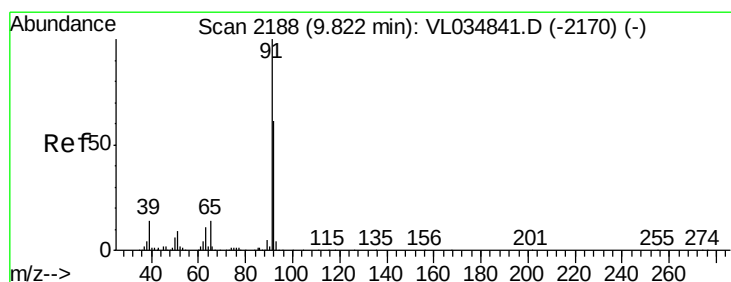
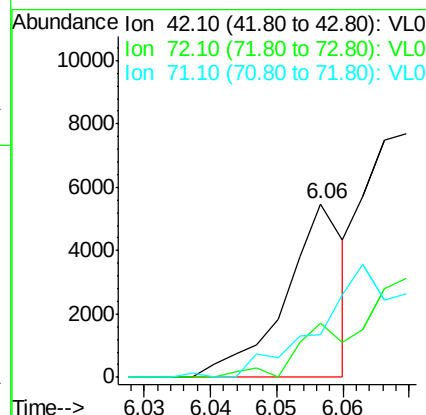
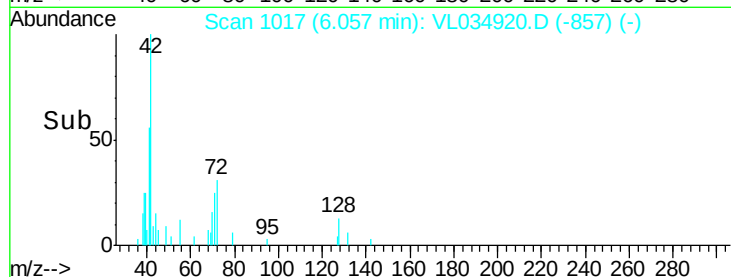
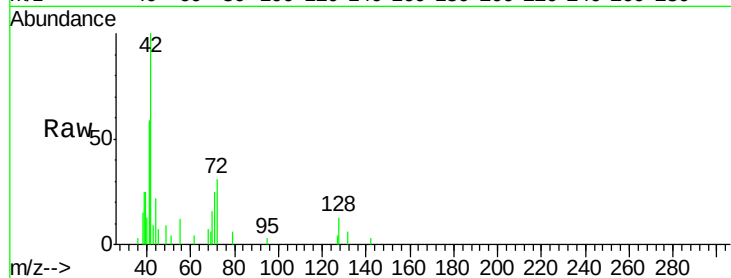
Tgt Ion: 42 Resp: 3397

Ion Ratio Lower Upper

42 100

72 0.0 30.8 46.2#

71 0.0 30.1 45.1#



#53

Toluene

Concen: 0.146 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.00 min

Lab File: VL034920.D

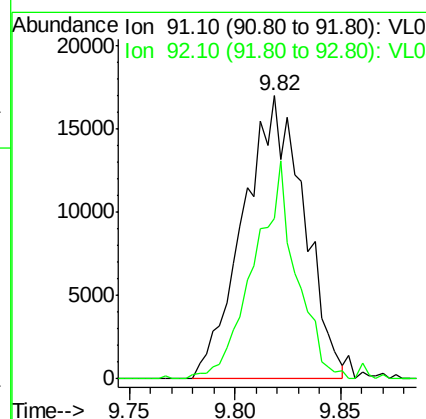
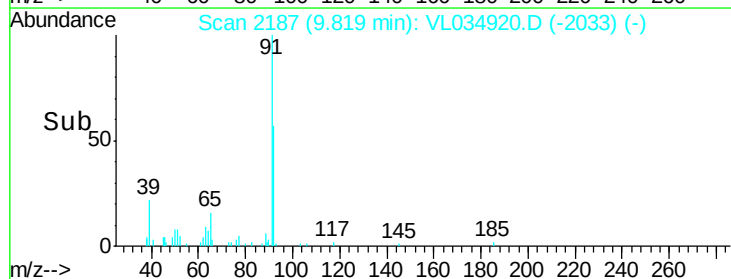
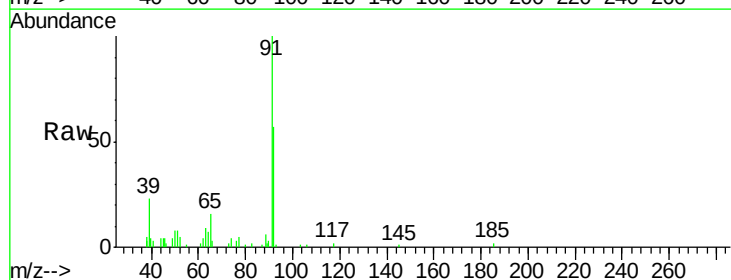
Acq: 17 Mar 2020 18:03

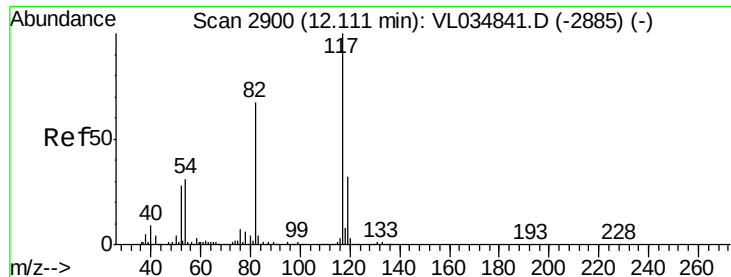
Tgt Ion: 91 Resp: 33966

Ion Ratio Lower Upper

91 100

92 54.7 48.6 72.8

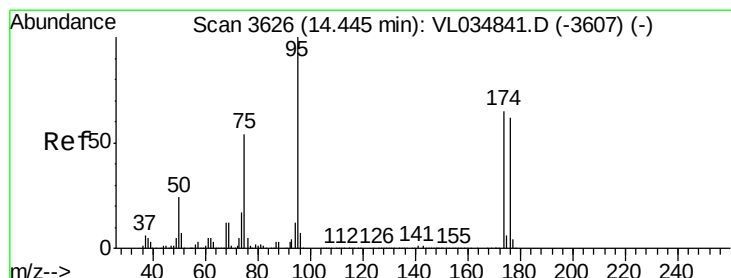
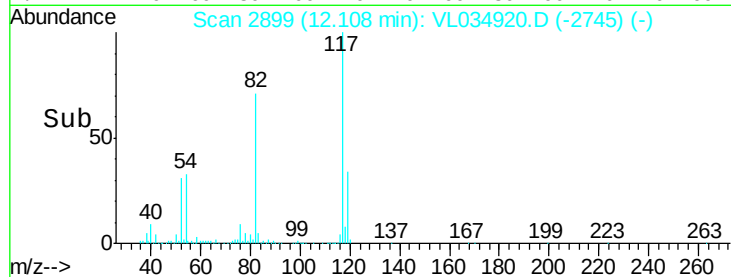
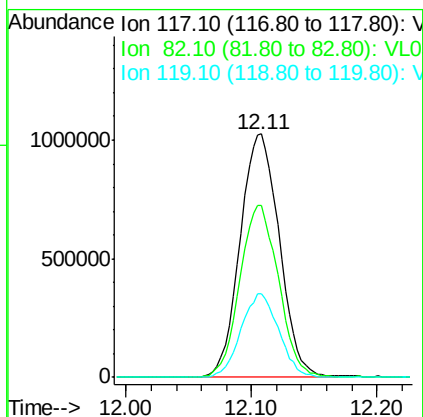
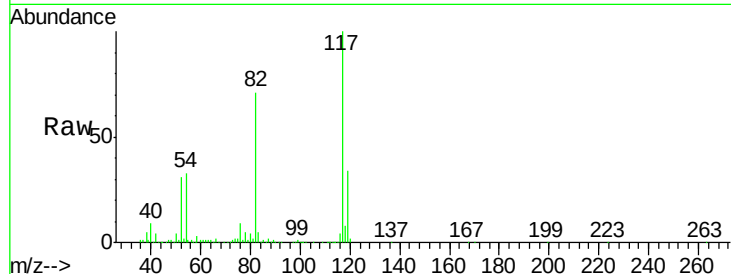




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL034920.D
Acq: 17 Mar 2020 18:03

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion:117 Resp: 2230408
Ion Ratio Lower Upper
117 100
82 70.3 51.1 76.7
119 33.4 27.3 40.9



#68
1-Bromo-4-Fluorobenzene
Concen: 10.733 ppbv
RT: 14.44 min Scan# 3625
Delta R.T. -0.00 min
Lab File: VL034920.D
Acq: 17 Mar 2020 18:03

Tgt Ion: 95 Resp: 1866883
Ion Ratio Lower Upper
95 100
174 64.0 55.2 82.8
175 4.6 4.3 6.5

