

Data File : VL034655.D
Acq On : 19 Feb 2020 21:39
Operator : SY/AP
Sample : L1553-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Quant Time: Feb 20 06:51:40 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	757222	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	1589307	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	1590367	10.00	ppbv	0.00

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.44 95 1373121 10.22 ppbv 0.00
Spiked Amount 10.000 Range 65 - 135 Recovery = 102.20%

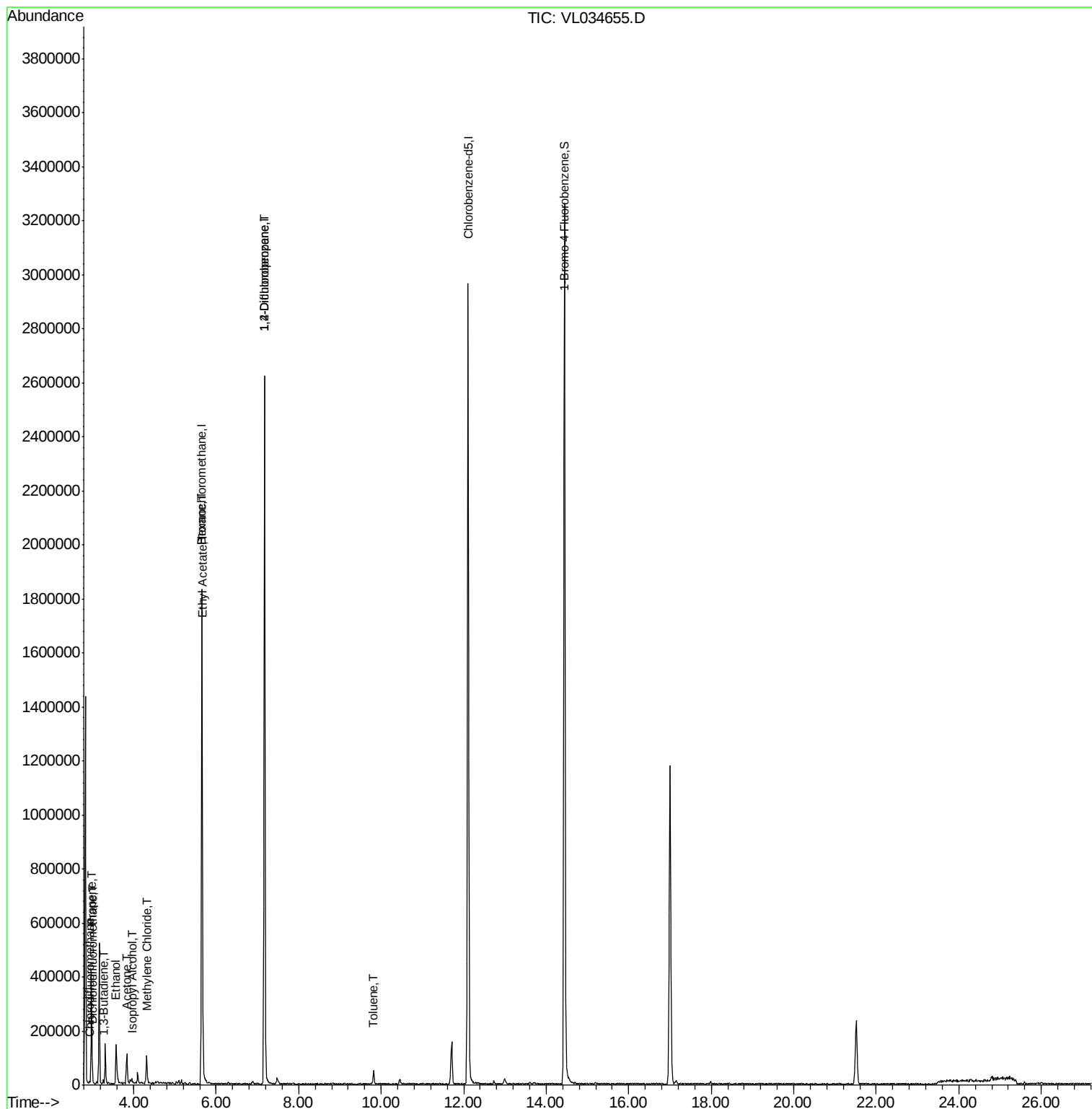
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.01	85	6382	0.038	ppbv #	66
3) Chlorodifluoromethane	2.94	51	7518	0.082	ppbv #	87
9) Propene	2.98	41	75552	2.121	ppbv #	64
13) Ethanol	3.57	45	150372	15.758	ppbv	100
15) Acetone	3.83	43	86595	0.778	ppbv	98
16) 1,3-Butadiene	3.26	39	1747	0.040	ppbv #	42
19) Isopropyl Alcohol	3.95	45	12422	0.191	ppbv #	82
20) Methylene Chloride	4.32	84	31339	0.740	ppbv	93
25) Ethyl Acetate	5.67	43	9293	0.052	ppbv #	90
26) Hexane	5.66	57	4408	0.058	ppbv #	1
39) 1,2-Dichloropropane	7.17	63	459418	7.841	ppbv #	19
53) Toluene	9.80	91	7382	0.048	ppbv #	21

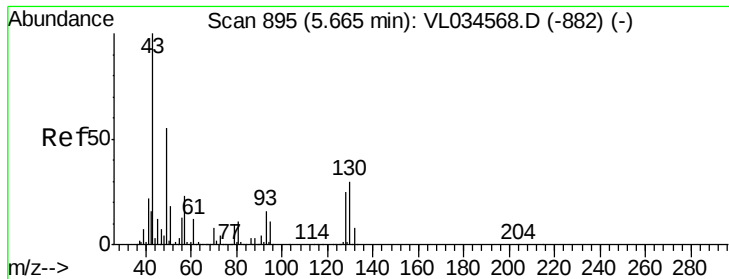
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VL034655.D
Acq On : 19 Feb 2020 21:39
Operator : SY/AP
Sample : L1553-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Quant Time: Feb 20 06:51:40 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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.01 min

Lab File: VL034655.D

Acq: 19 Feb 2020 21:39

Instrument :

MSVOA_L

ClientSampled :

IA-1DL

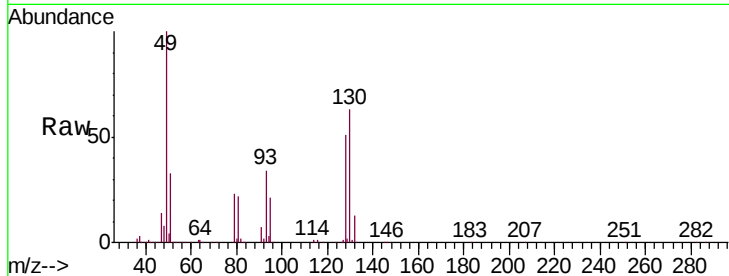
Tgt Ion: 49 Resp: 757222

Ion Ratio Lower Upper

49 100

128 47.3 22.7 68.1

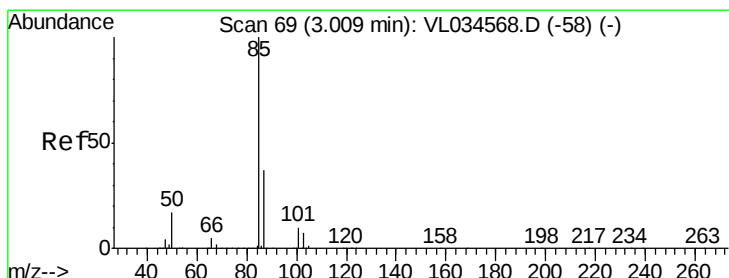
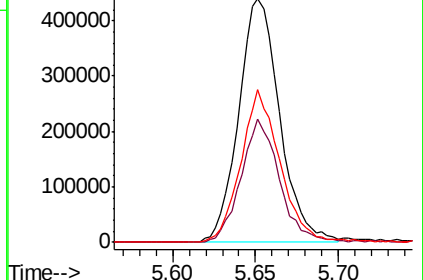
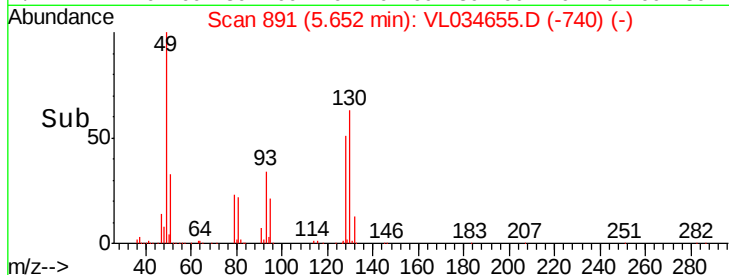
130 60.0 28.6 85.8



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



#2

Dichlorodifluoromethane

Concen: 0.038 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.00 min

Lab File: VL034655.D

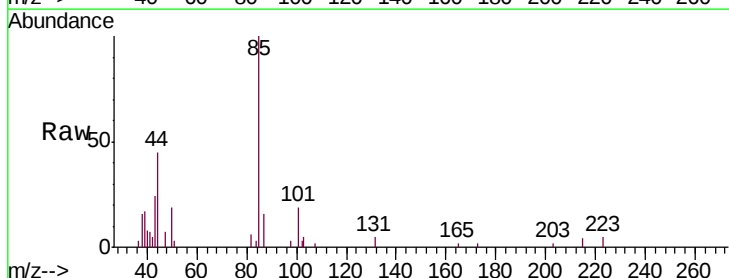
Acq: 19 Feb 2020 21:39

Tgt Ion: 85 Resp: 6382

Ion Ratio Lower Upper

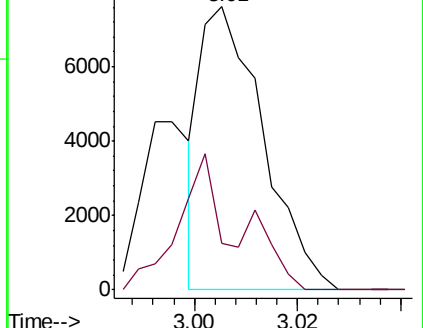
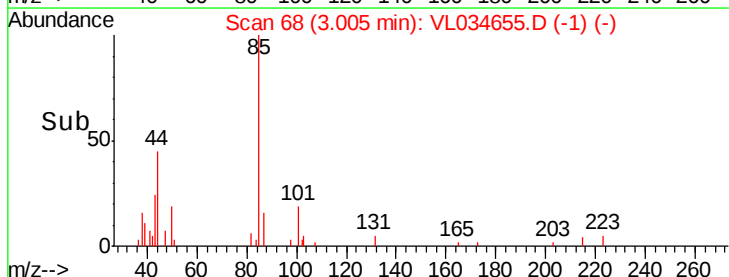
85 100

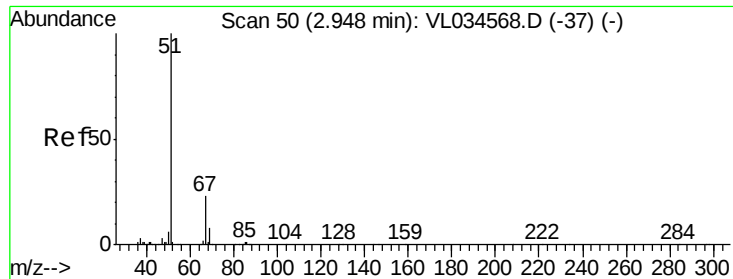
87 16.4 29.5 44.3#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

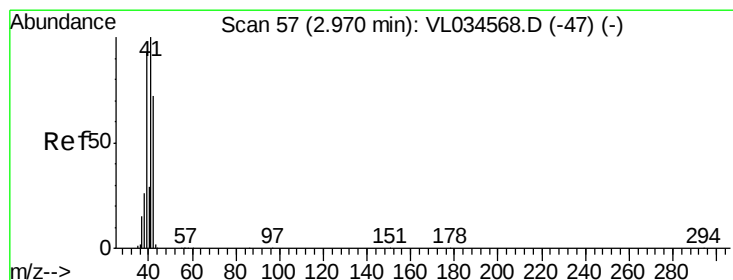
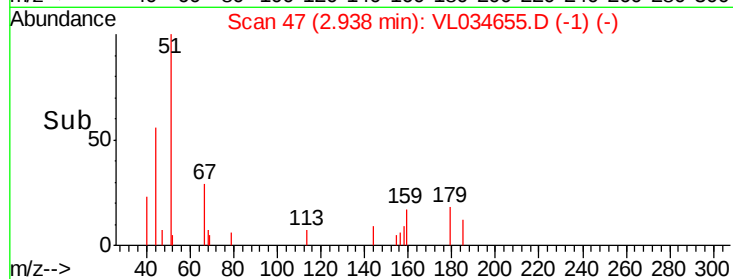
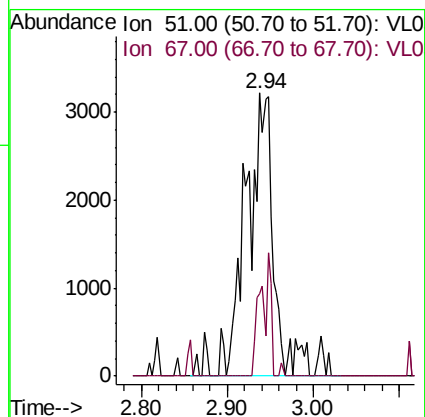
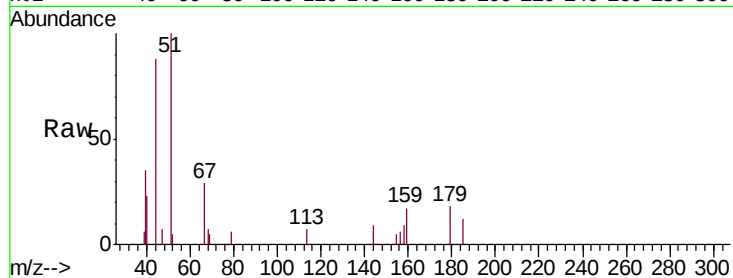




#3
 Chlorodifluoromethane
 Concen: 0.082 ppbv
 RT: 2.94 min Scan# 47
 Delta R.T. -0.01 min
 Lab File: VL034655.D
 Acq: 19 Feb 2020 21:39

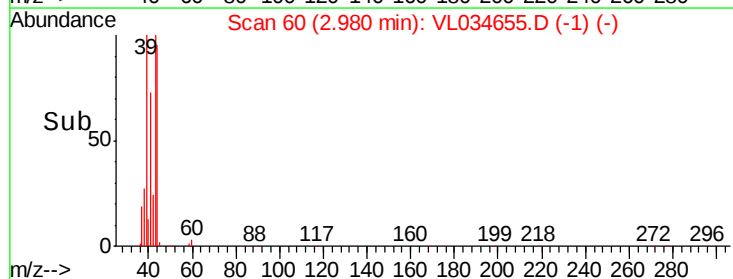
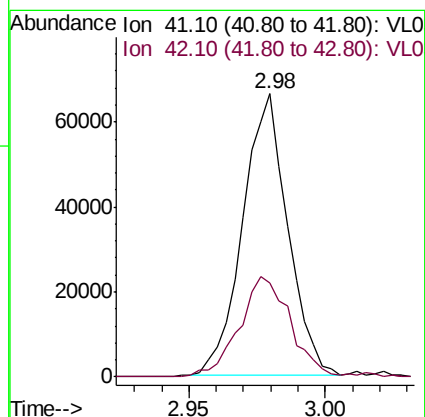
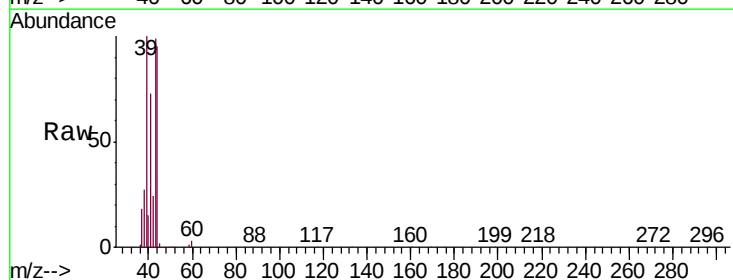
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL

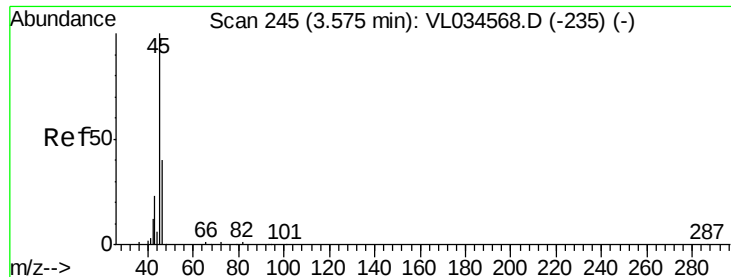
Tgt Ion: 51 Resp: 7518
 Ion Ratio Lower Upper
 51 100
 67 16.2 17.8 26.8#



#9
 Propene
 Concen: 2.121 ppbv
 RT: 2.98 min Scan# 60
 Delta R.T. 0.01 min
 Lab File: VL034655.D
 Acq: 19 Feb 2020 21:39

Tgt Ion: 41 Resp: 75552
 Ion Ratio Lower Upper
 41 100
 42 41.0 57.0 85.4#

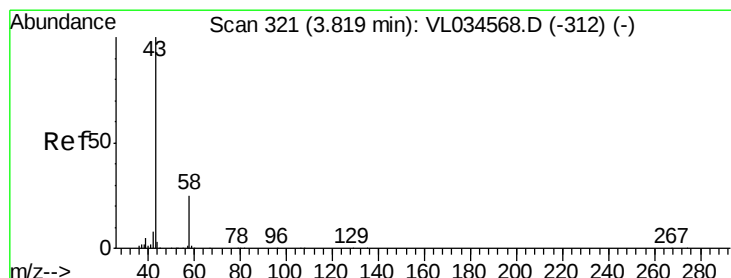
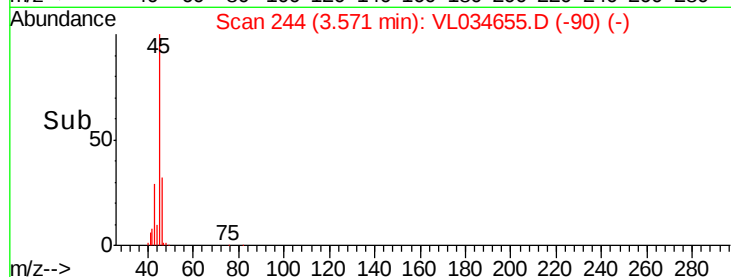
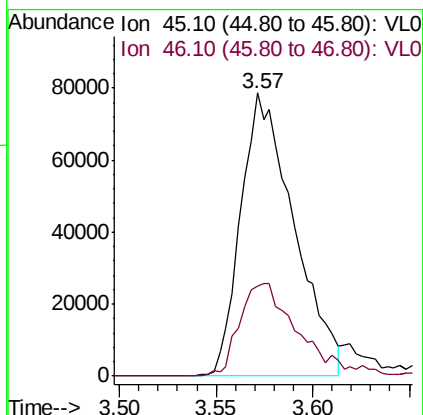
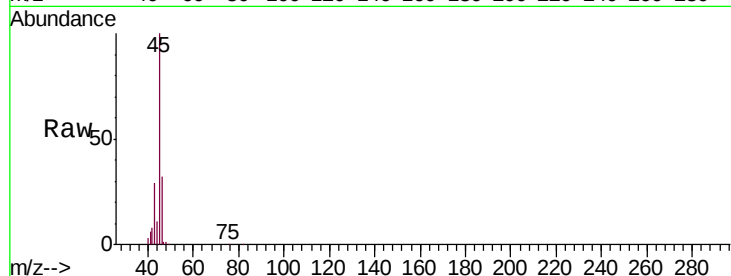




#13
Ethanol
Concen: 15.758 ppbv
RT: 3.57 min Scan# 244
Delta R.T. -0.00 min
Lab File: VL034655.D
Acq: 19 Feb 2020 21:39

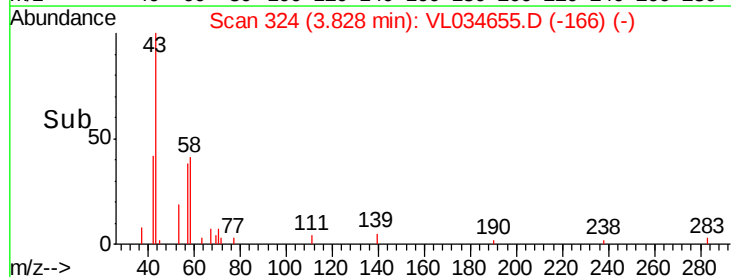
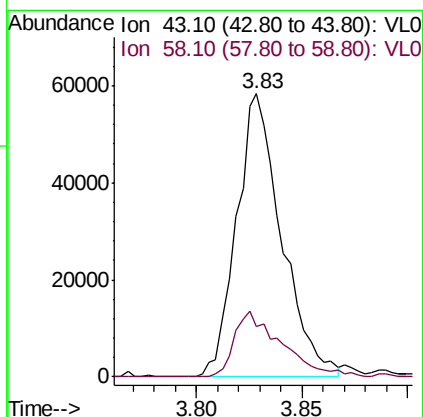
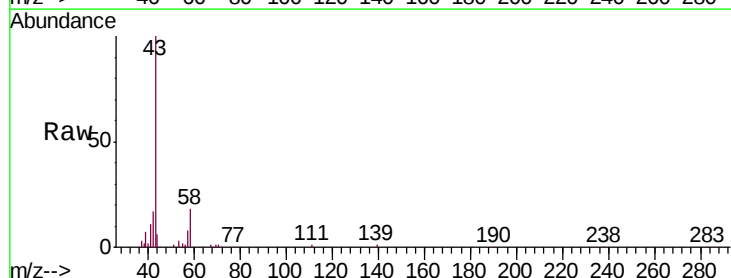
Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

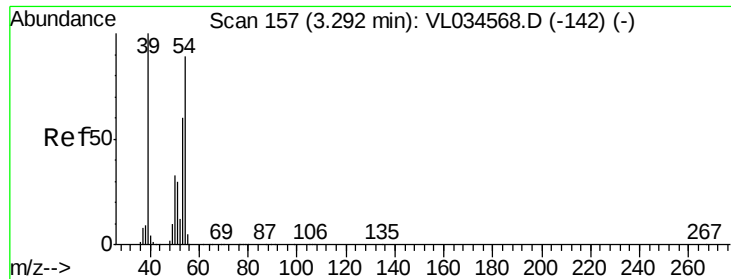
Tgt Ion: 45 Resp: 150372
Ion Ratio Lower Upper
45 100
46 36.7 14.8 59.2



#15
Acetone
Concen: 0.778 ppbv
RT: 3.83 min Scan# 324
Delta R.T. 0.01 min
Lab File: VL034655.D
Acq: 19 Feb 2020 21:39

Tgt Ion: 43 Resp: 86595
Ion Ratio Lower Upper
43 100
58 24.6 20.3 30.5

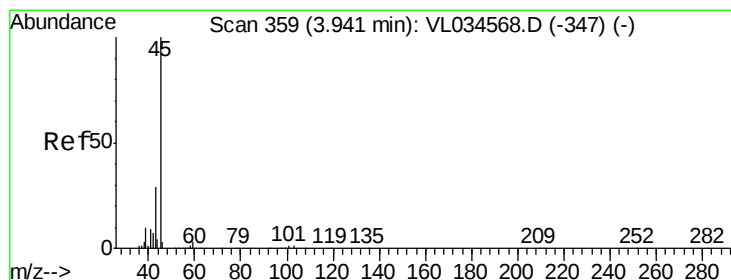
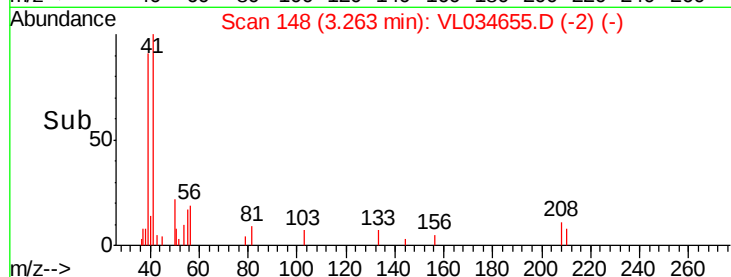
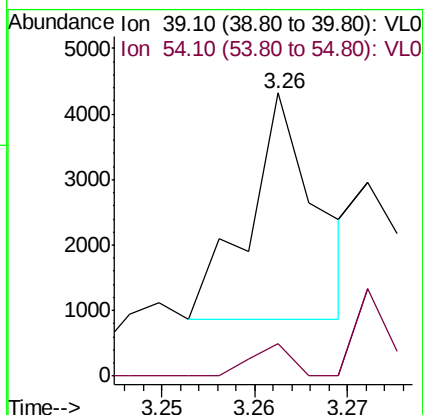
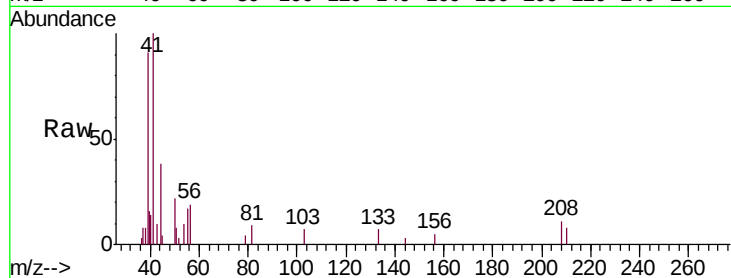




#16
 1,3-Butadiene
 Concen: 0.040 ppbv
 RT: 3.26 min Scan# 148
 Delta R.T. -0.03 min
 Lab File: VL034655.D
 Acq: 19 Feb 2020 21:39

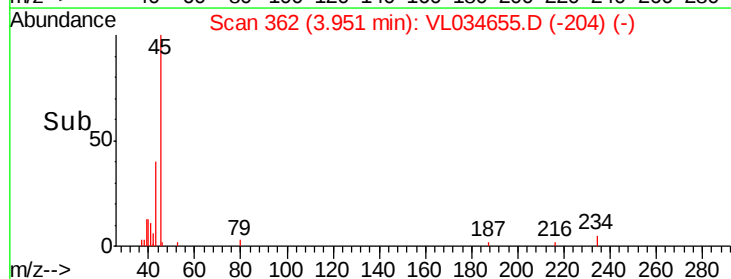
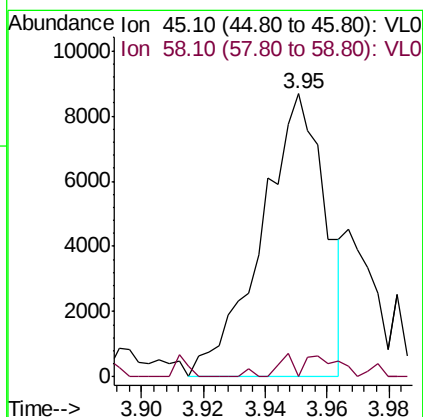
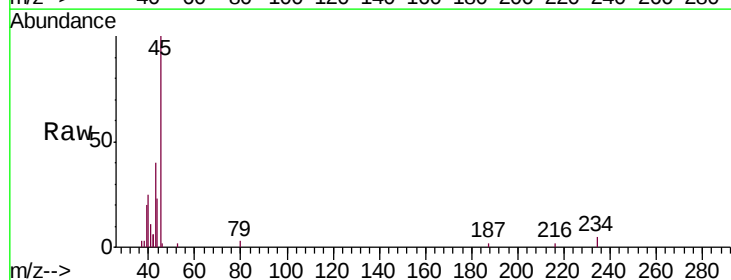
Instrument :
 MSVOA_L
 ClientSampleID :
 IA-1DL

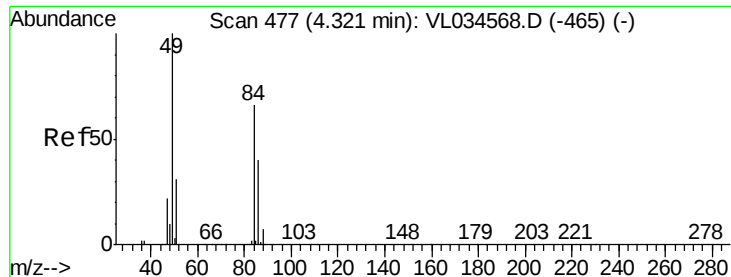
Tgt Ion: 39 Resp: 1747
 Ion Ratio Lower Upper
 39 100
 54 31.4 66.7 100.1#



#19
 Isopropyl Alcohol
 Concen: 0.191 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. 0.01 min
 Lab File: VL034655.D
 Acq: 19 Feb 2020 21:39

Tgt Ion: 45 Resp: 12422
 Ion Ratio Lower Upper
 45 100
 58 8.4 1.7 2.5#

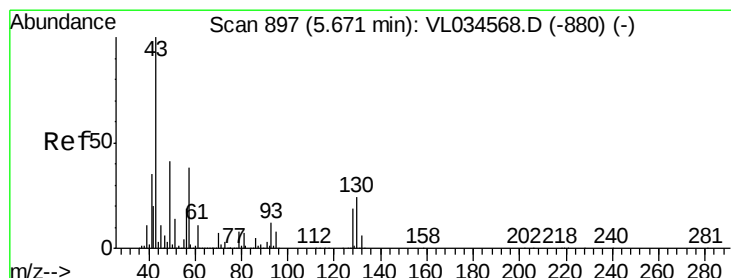
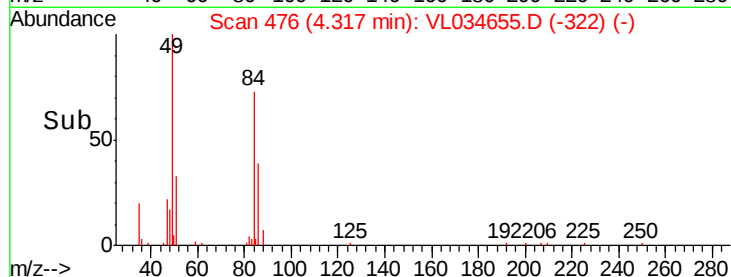
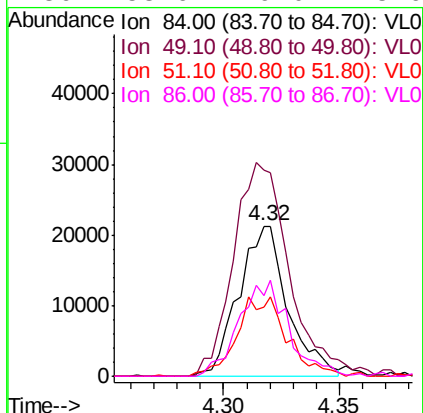
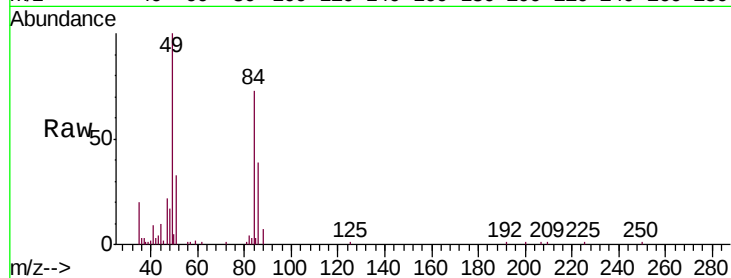




#20
Methylene Chloride
Concen: 0.740 ppbv
RT: 4.32 min Scan# 476
Delta R.T. -0.00 min
Lab File: VL034655.D
Acq: 19 Feb 2020 21:39

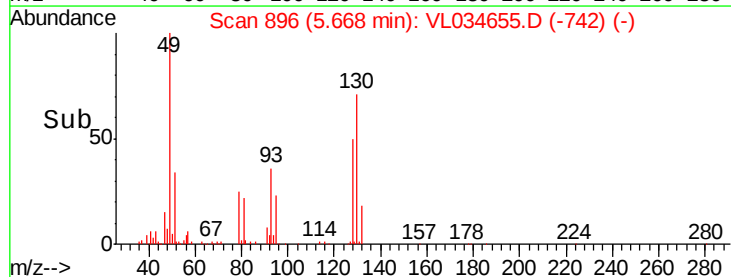
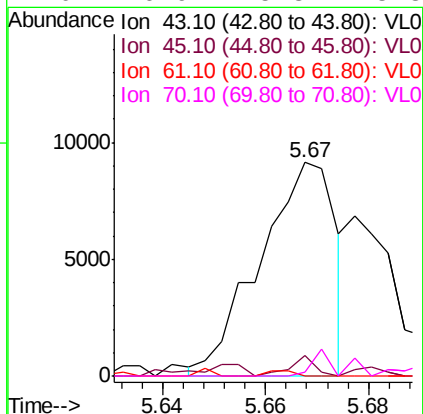
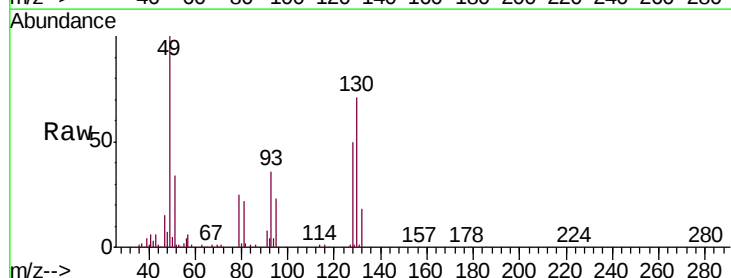
Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

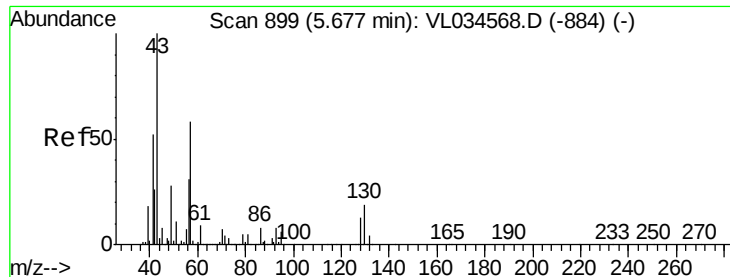
Tgt Ion:	84	Resp:	31339
Ion	Ratio	Lower	Upper
84	100		
49	144.5	122.4	183.6
51	45.9	38.6	57.8
86	53.6	49.0	73.6



#25
Ethyl Acetate
Concen: 0.052 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL034655.D
Acq: 19 Feb 2020 21:39

Tgt Ion:	43	Resp:	9293
Ion	Ratio	Lower	Upper
43	100		
45	9.5	8.5	12.7
61	1.0	7.8	11.6#
70	6.9	5.8	8.8





#26

Hexane

Concen: 0.058 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.02 min

Lab File: VL034655.D

Acq: 19 Feb 2020 21:39

Instrument :

MSVOA_L

ClientSampleId :

IA-1DL

Tgt Ion: 57 Resp: 4408

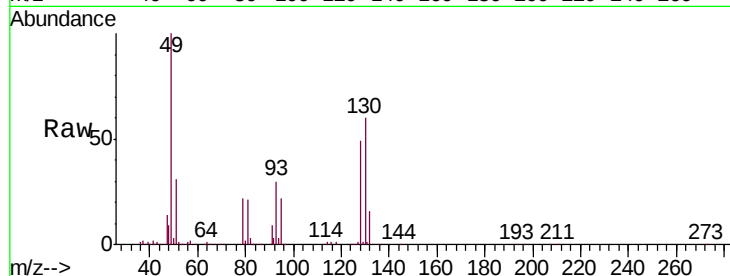
Ion Ratio Lower Upper

57 100

41 0.0 76.2 114.2#

43 0.0 189.9 284.9#

56 0.0 43.6 65.4#

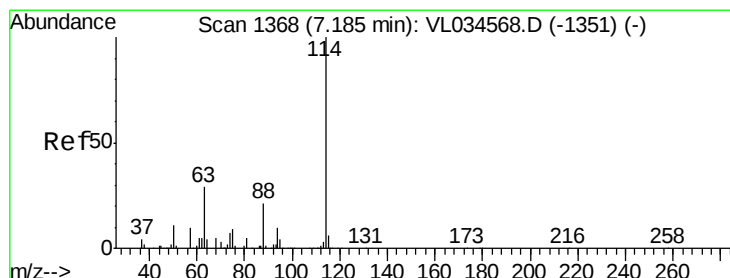
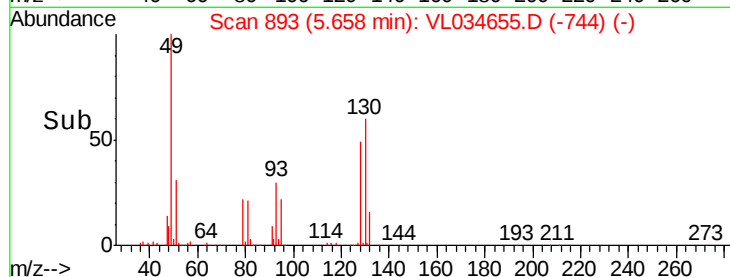
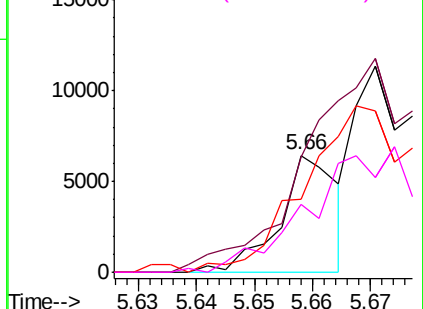


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.02 min

Lab File: VL034655.D

Acq: 19 Feb 2020 21:39

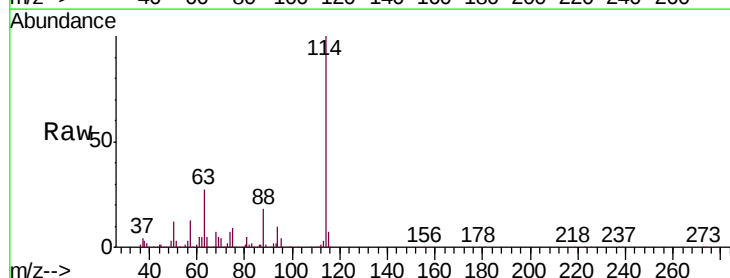
Tgt Ion: 114 Resp: 1589307

Ion Ratio Lower Upper

114 100

63 29.1 24.1 36.1

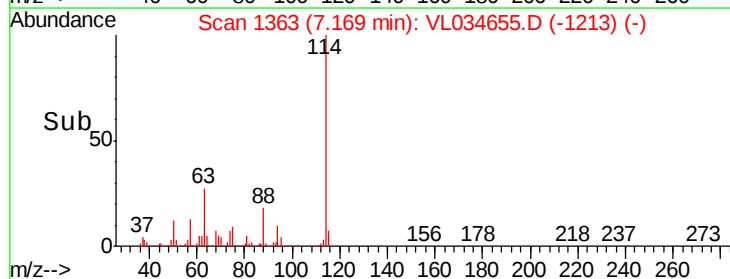
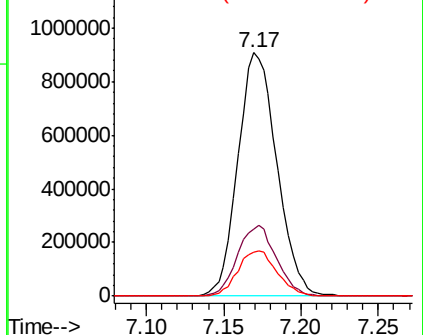
88 18.9 15.9 23.9

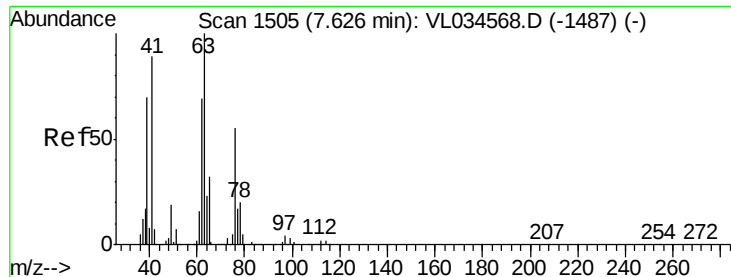


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

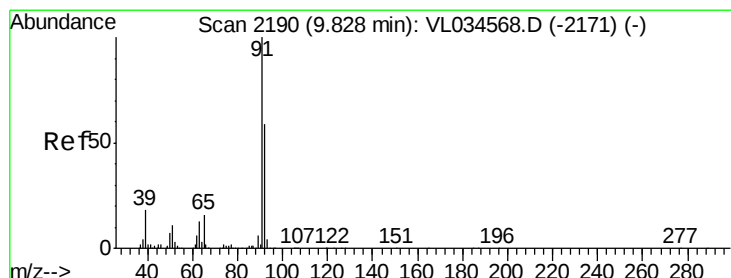
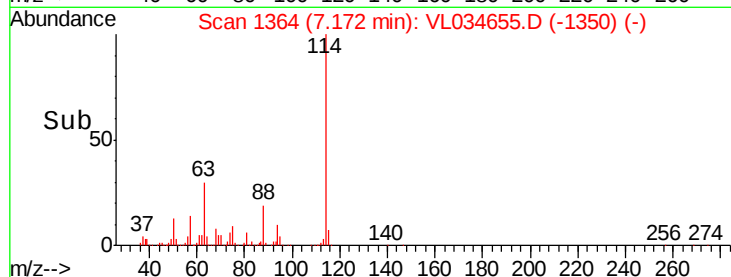
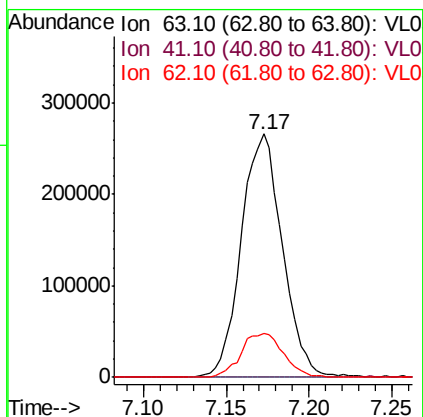
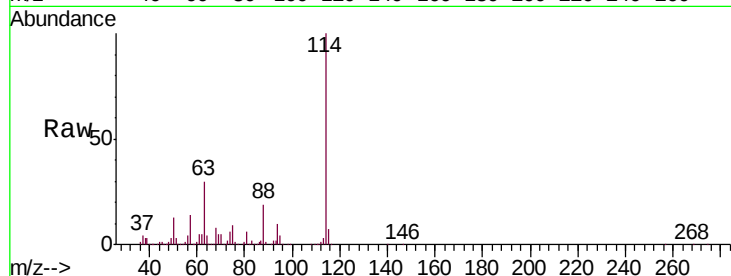




#39
 1,2-Dichloropropane
 Concen: 7.841 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.45 min
 Lab File: VL034655.D
 Acq: 19 Feb 2020 21:39

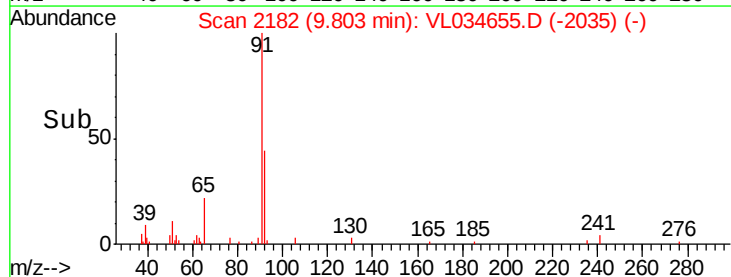
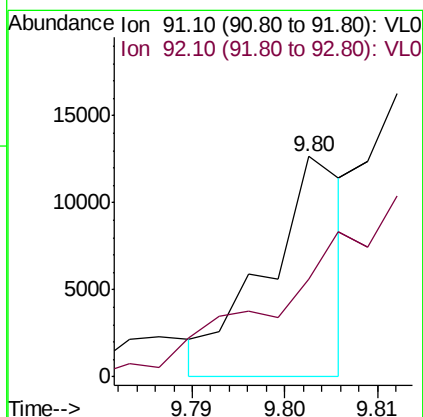
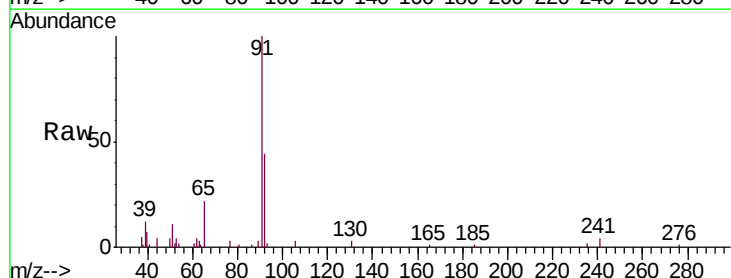
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL

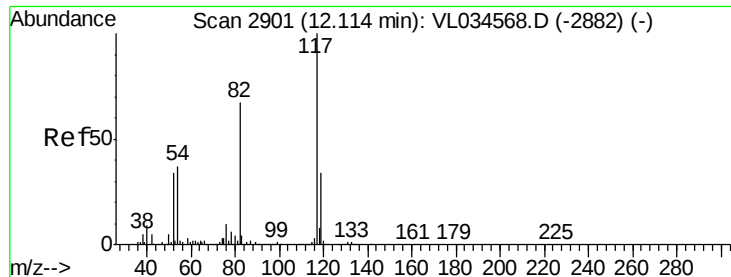
Tgt Ion: 63 Resp: 459418
 Ion Ratio Lower Upper
 63 100
 41 0.2 71.0 106.4#
 62 18.0 55.4 83.0#



#53
 Toluene
 Concen: 0.048 ppbv
 RT: 9.80 min Scan# 2182
 Delta R.T. -0.03 min
 Lab File: VL034655.D
 Acq: 19 Feb 2020 21:39

Tgt Ion: 91 Resp: 7382
 Ion Ratio Lower Upper
 91 100
 92 0.0 48.2 72.2#

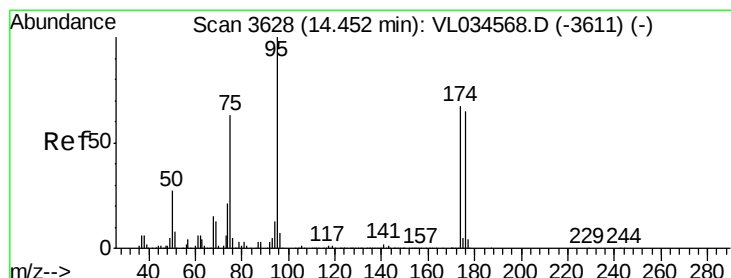
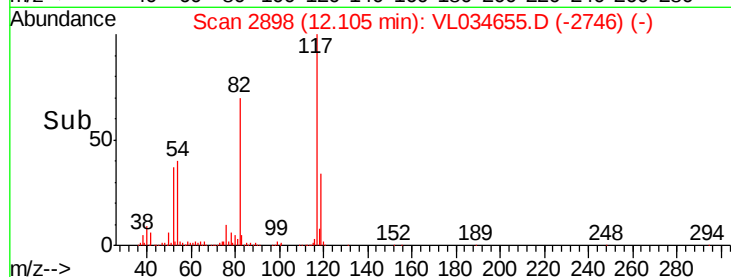
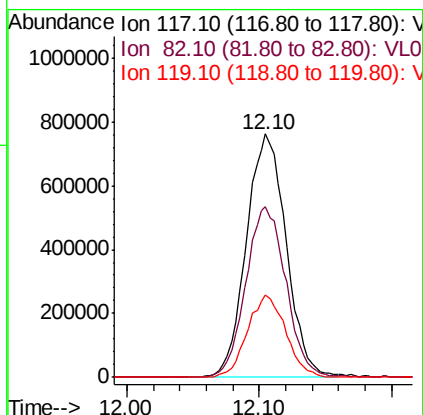
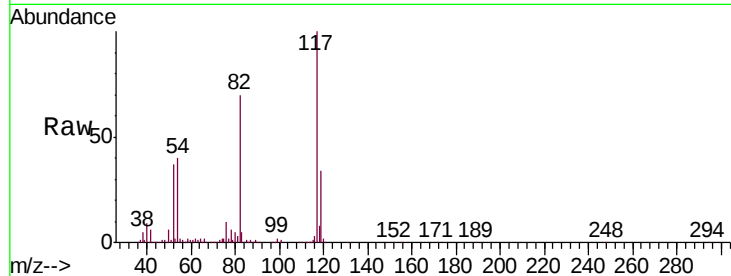




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.01 min
Lab File: VL034655.D
Acq: 19 Feb 2020 21:39

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion: 117 Resp: 1590367
Ion Ratio Lower Upper
117 100
82 71.0 54.2 81.4
119 33.0 26.1 39.1



#68
1-Bromo-4-Fluorobenzene
Concen: 10.216 ppbv
RT: 14.44 min Scan# 3625
Delta R.T. -0.01 min
Lab File: VL034655.D
Acq: 19 Feb 2020 21:39

Tgt Ion: 95 Resp: 1373121
Ion Ratio Lower Upper
95 100
174 63.2 52.3 78.5
175 4.5 3.8 5.6

