

Data File : VL034582.D
Acq On : 4 Feb 2020 16:34
Operator : SY/AP
Sample : L1356-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Quant Time: Feb 05 05:44:27 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 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	5.67	49	1037820	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2128465	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2151253	10.00	ppbv	0.01

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.46 95 1813675 9.98 ppbv 0.00
Spiked Amount 10.000 Range 65 - 135 Recovery = 99.80%

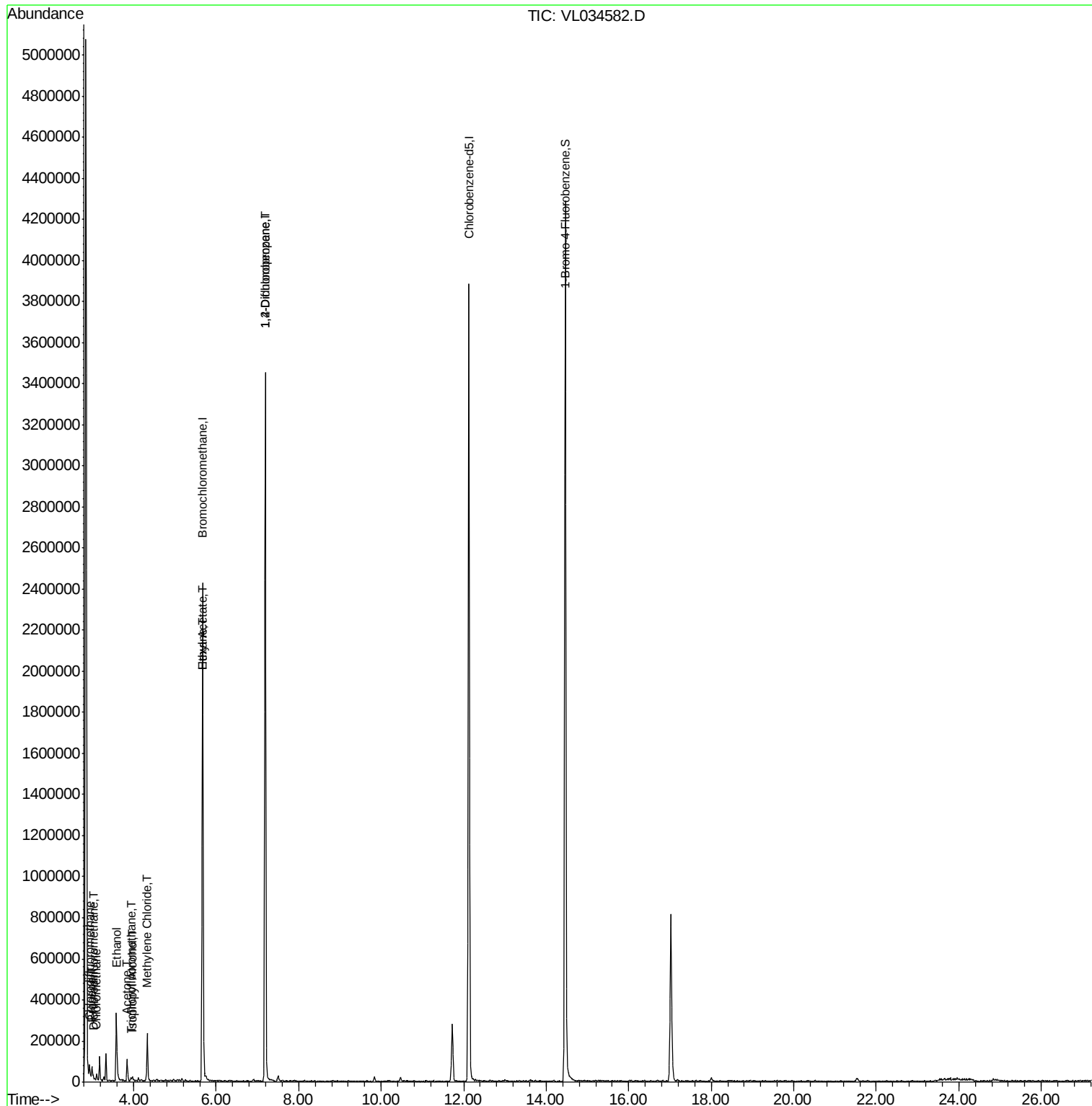
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.02	85	10599	0.046	ppbv #	82
3) Chlorodifluoromethane	2.93	51	31432	0.251	ppbv #	60
4) Chloromethane	3.11	50	3110	0.041	ppbv #	79
9) Propene	2.99	41	12216	0.250	ppbv	84
11) Trichlorofluoromethane	3.93	101	6275	0.030	ppbv	94
13) Ethanol	3.58	45	311261	23.799	ppbv	97
15) Acetone	3.84	43	96578	0.633	ppbv	96
19) Isopropyl Alcohol	3.97	45	5874	0.066	ppbv #	34
20) Methylene Chloride	4.33	84	72105	1.242	ppbv	93
25) Ethyl Acetate	5.69	43	35175	0.142	ppbv #	91
26) Hexane	5.69	57	31339	0.303	ppbv #	50
39) 1,2-Dichloropropane	7.19	63	623694	7.948	ppbv #	19

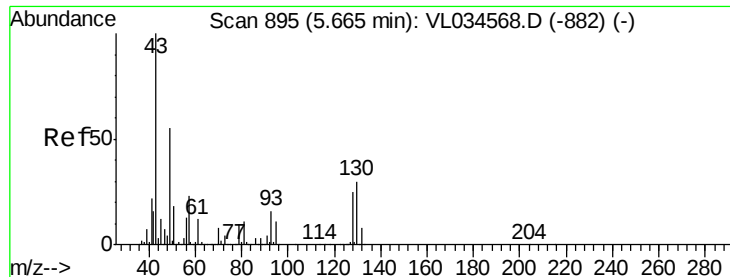
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VL034582.D
Acq On : 4 Feb 2020 16:34
Operator : SY/AP
Sample : L1356-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Quant Time: Feb 05 05:44:27 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: 5.67 min Scan# 897

Delta R.T. 0.01 min

Lab File: VL034582.D

Acq: 4 Feb 2020 16:34

Instrument :

MSVOA_L

ClientSampleId :

IA-1DL

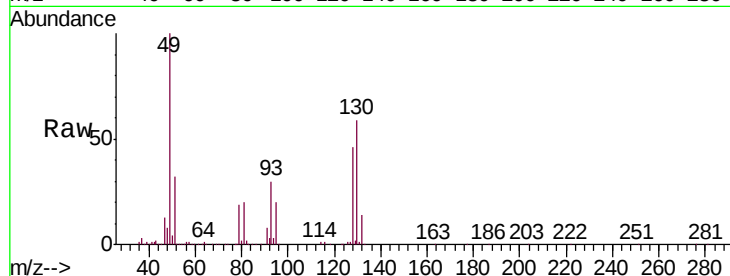
Tgt Ion: 49 Resp: 1037820

Ion Ratio Lower Upper

49 100

128 45.7 22.7 68.1

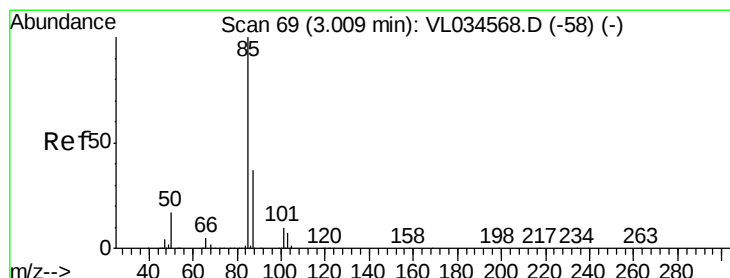
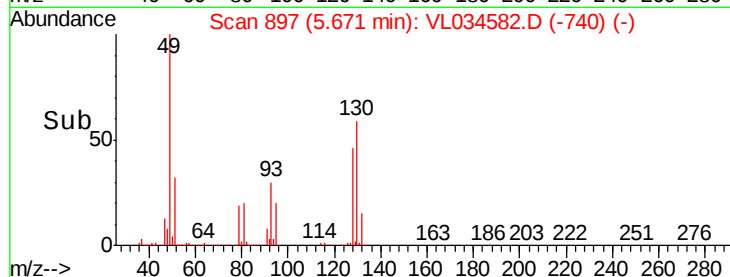
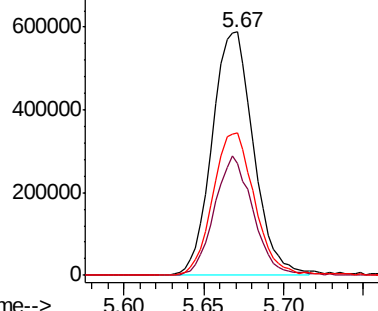
130 59.4 28.6 85.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

800000 Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.046 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL034582.D

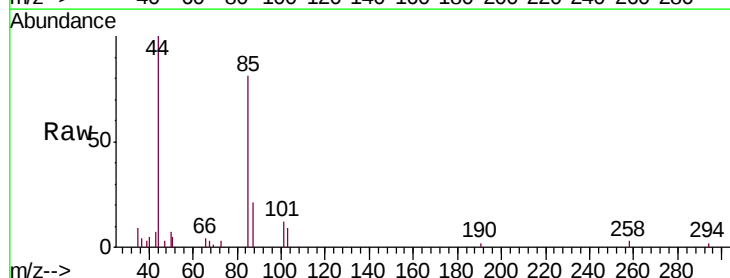
Acq: 4 Feb 2020 16:34

Tgt Ion: 85 Resp: 10599

Ion Ratio Lower Upper

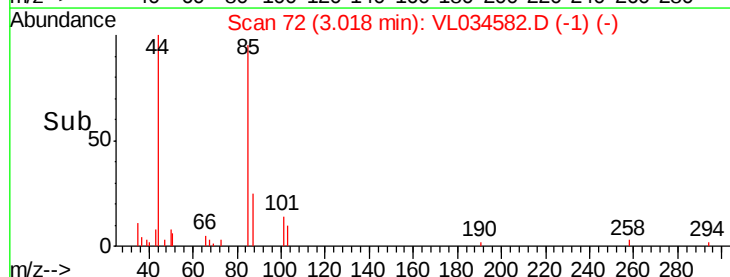
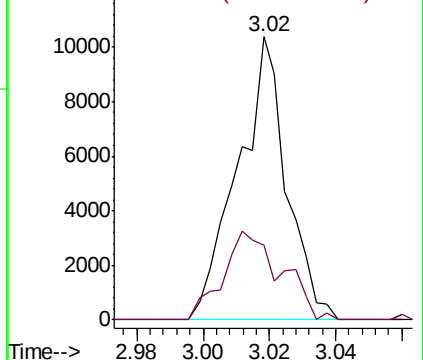
85 100

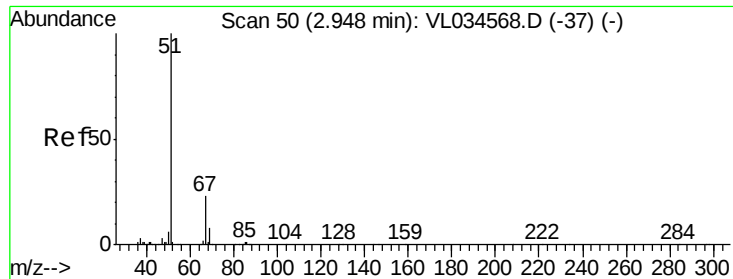
87 26.2 29.5 44.3#



Abundance Ion 85.00 (84.70 to 85.70): VL0

12000 Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.251 ppbv

RT: 2.93 min Scan# 45

Delta R.T. -0.02 min

Lab File: VL034582.D

Acq: 4 Feb 2020 16:34

Instrument :

MSVOA_L

ClientSampleID :

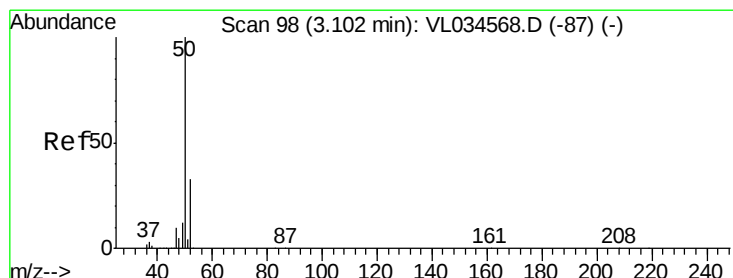
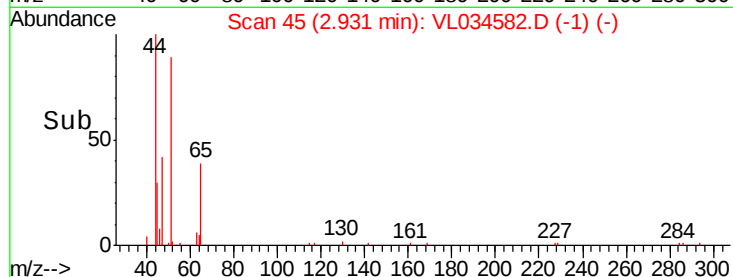
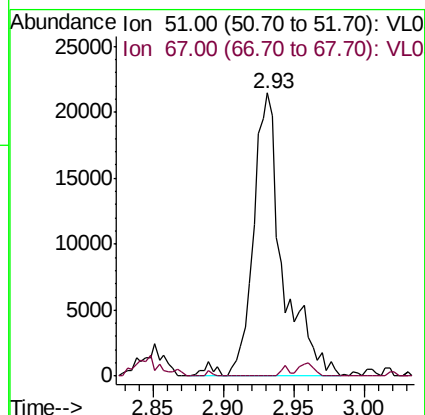
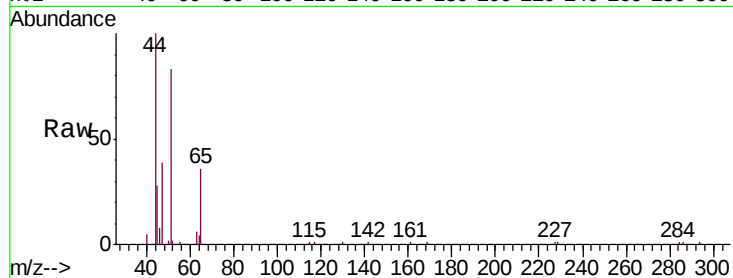
IA-1DL

Tgt Ion: 51 Resp: 31432

Ion Ratio Lower Upper

51 100

67 3.3 17.8 26.8#



#4

Chloromethane

Concen: 0.041 ppbv

RT: 3.11 min Scan# 100

Delta R.T. 0.01 min

Lab File: VL034582.D

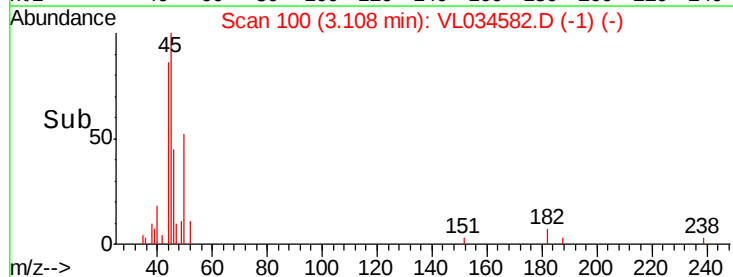
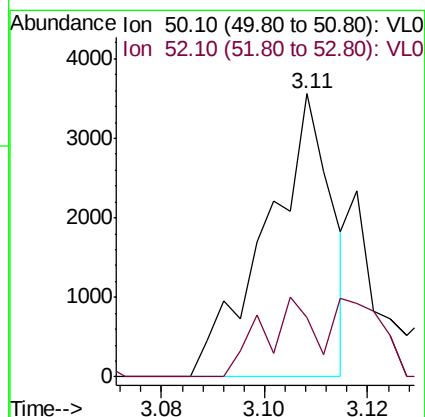
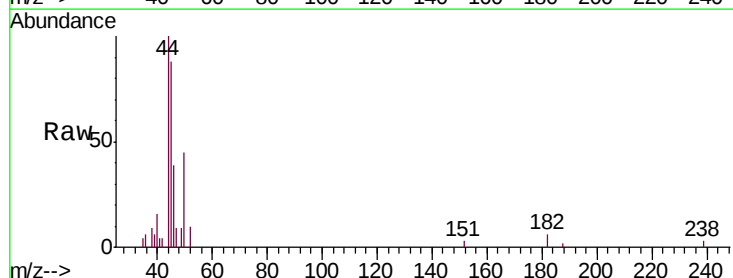
Acq: 4 Feb 2020 16:34

Tgt Ion: 50 Resp: 3110

Ion Ratio Lower Upper

50 100

52 21.0 26.6 39.8#





#9

Propene

Concen: 0.250 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.02 min

Lab File: VL034582.D

Acq: 4 Feb 2020 16:34

Instrument :

MSVOA_L

ClientSampleId :

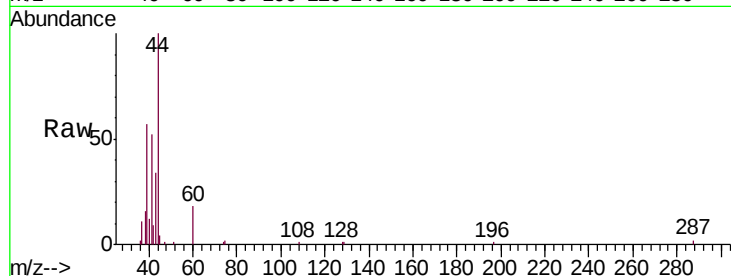
IA-1DL

Tgt Ion: 41 Resp: 12216

Ion Ratio Lower Upper

41 100

42 58.0 57.0 85.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

2.99

12000

10000

8000

6000

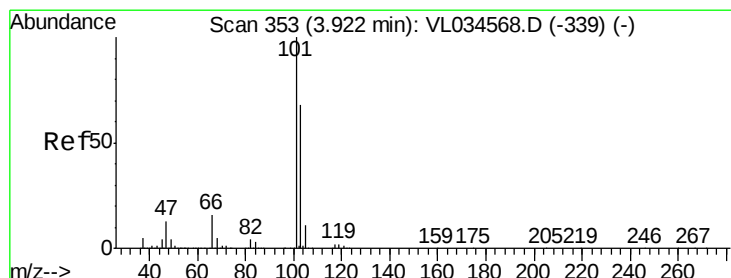
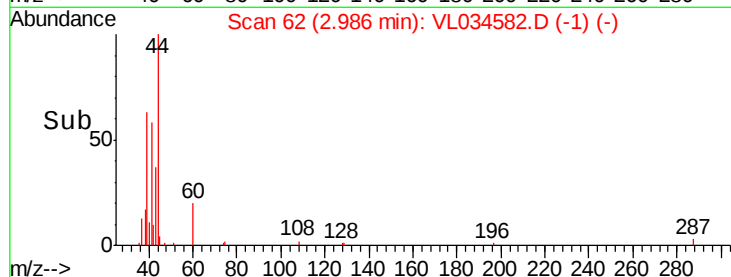
4000

2000

0

Time-->

2.95 3.00



#11

Trichlorofluoromethane

Concen: 0.030 ppbv

RT: 3.93 min Scan# 357

Delta R.T. 0.01 min

Lab File: VL034582.D

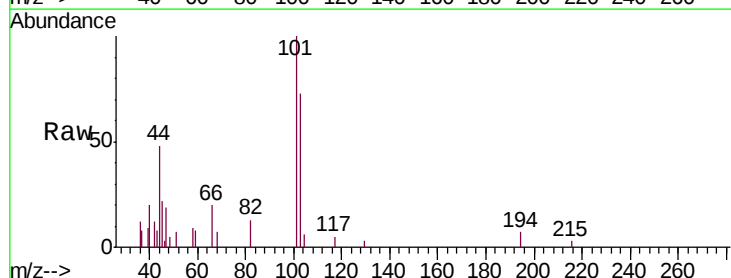
Acq: 4 Feb 2020 16:34

Tgt Ion: 101 Resp: 6275

Ion Ratio Lower Upper

101 100

103 73.1 54.4 81.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.93

6000

5000

4000

3000

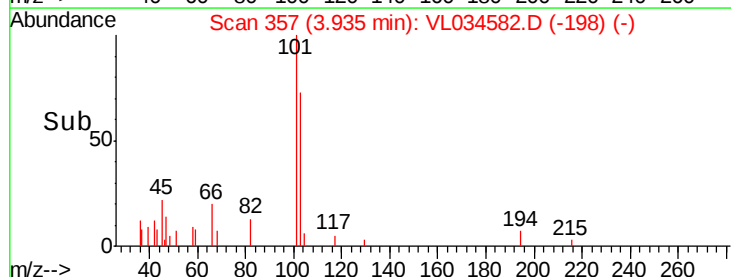
2000

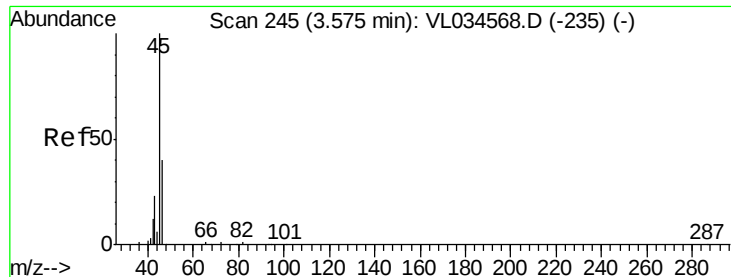
1000

0

Time-->

3.90 3.92 3.94 3.96

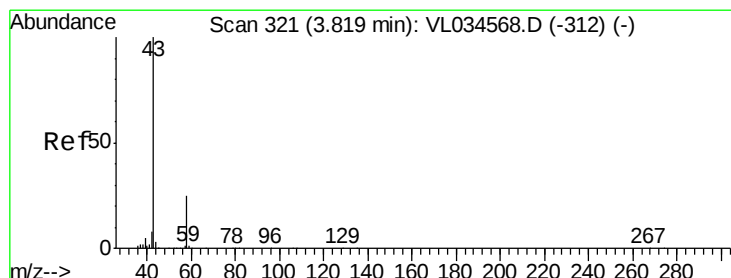
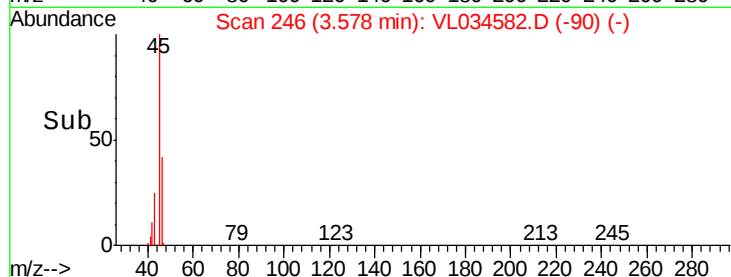
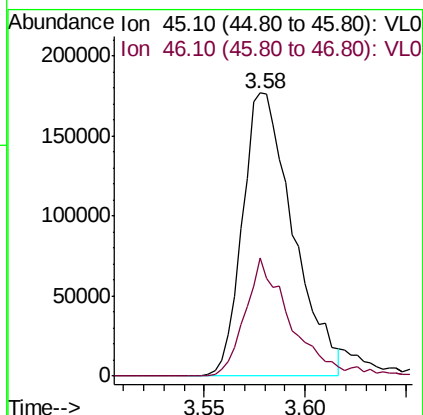
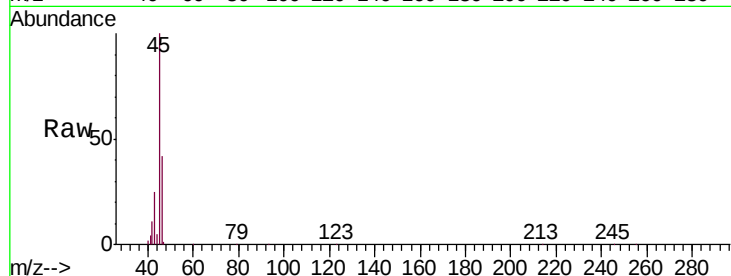




#13
Ethanol
Concen: 23.799 ppbv
RT: 3.58 min Scan# 246
Delta R.T. 0.00 min
Lab File: VL034582.D
Acq: 4 Feb 2020 16:34

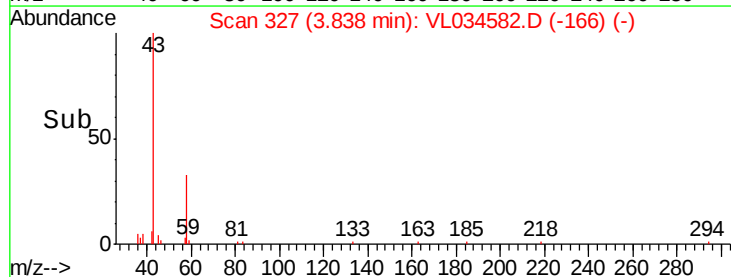
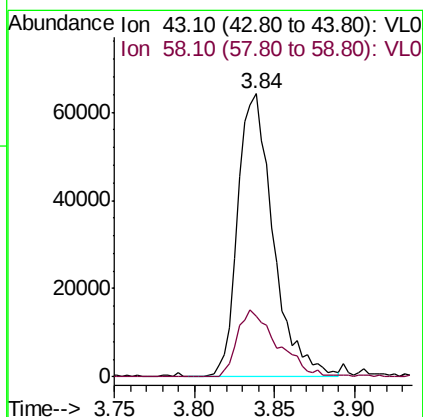
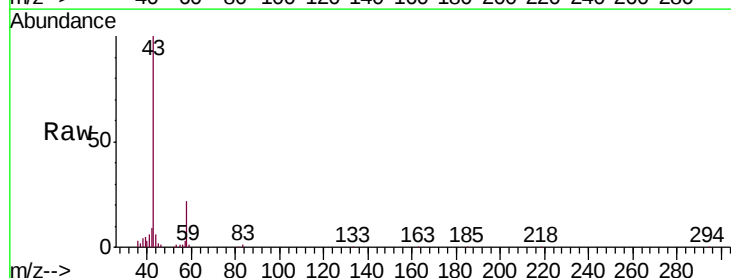
Instrument :
MSVOA_L
ClientSampled :
IA-1DL

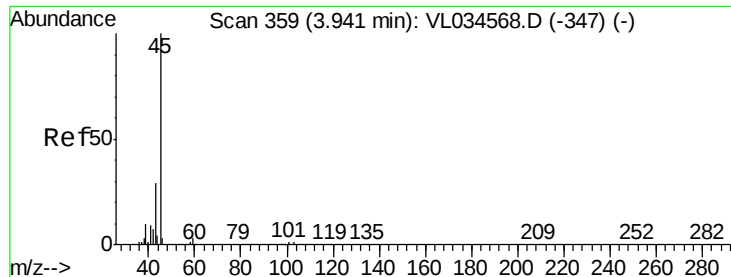
Tgt Ion: 45 Resp: 311261
Ion Ratio Lower Upper
45 100
46 38.9 14.8 59.2



#15
Acetone
Concen: 0.633 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.02 min
Lab File: VL034582.D
Acq: 4 Feb 2020 16:34

Tgt Ion: 43 Resp: 96578
Ion Ratio Lower Upper
43 100
58 27.2 20.3 30.5

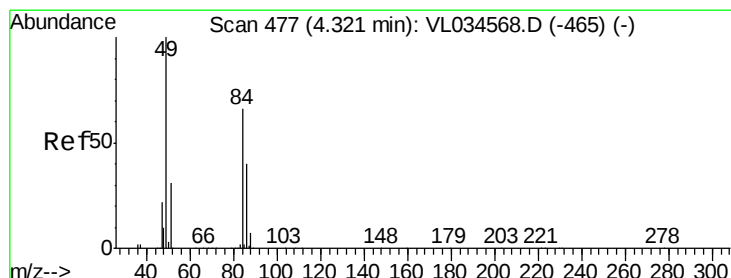
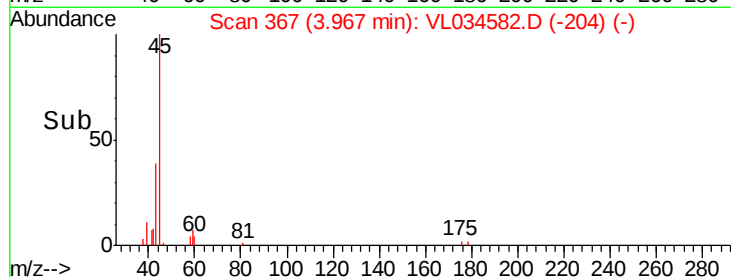
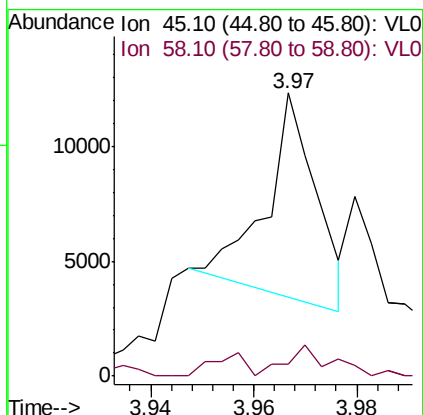
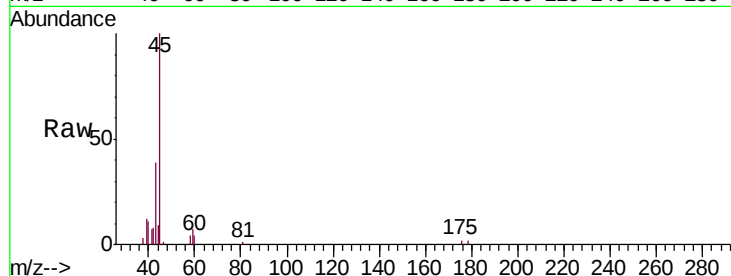




#19
Isopropyl Alcohol
Concen: 0.066 ppbv
RT: 3.97 min Scan# 367
Delta R.T. 0.03 min
Lab File: VL034582.D
Acq: 4 Feb 2020 16:34

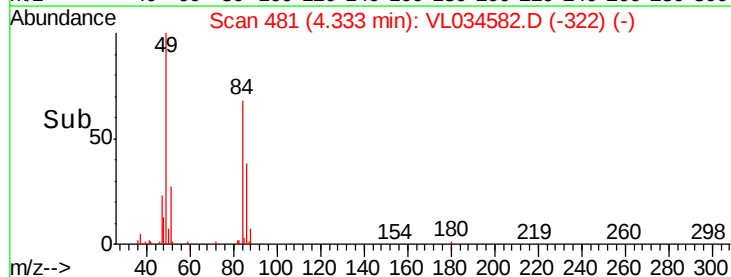
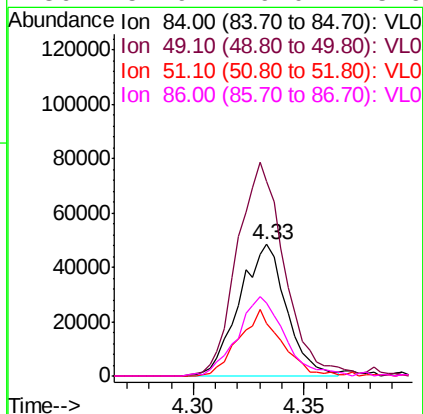
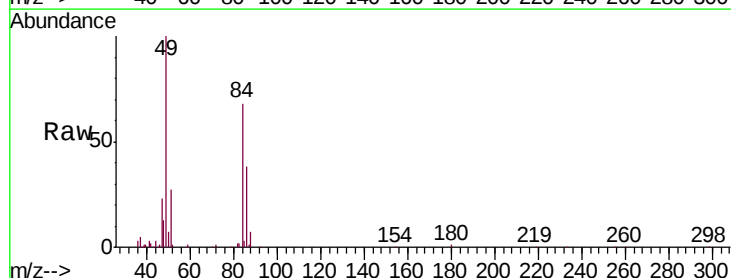
Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

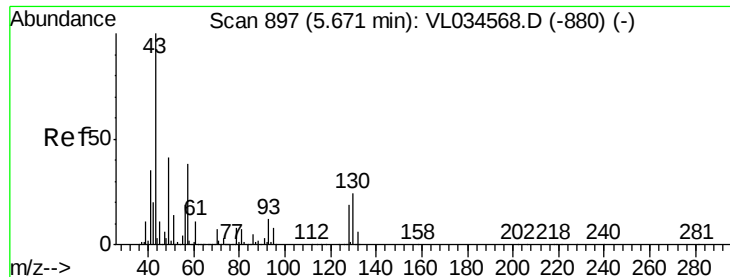
Tgt Ion: 45 Resp: 5874
Ion Ratio Lower Upper
45 100
58 25.0 1.7 2.5#



#20
Methylene Chloride
Concen: 1.242 ppbv
RT: 4.33 min Scan# 481
Delta R.T. 0.01 min
Lab File: VL034582.D
Acq: 4 Feb 2020 16:34

Tgt Ion: 84 Resp: 72105
Ion Ratio Lower Upper
84 100
49 147.1 122.4 183.6
51 40.2 38.6 57.8
86 54.9 49.0 73.6

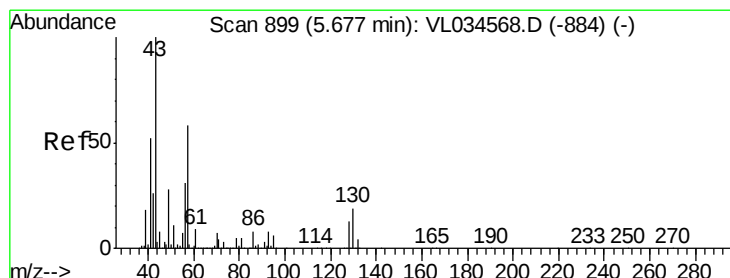
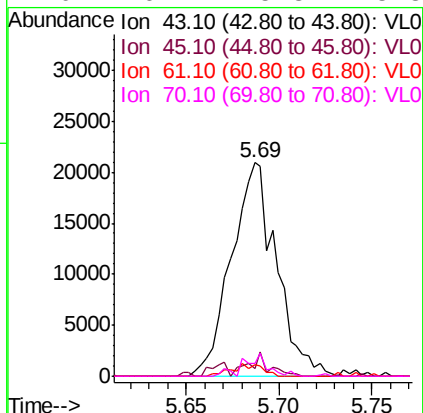
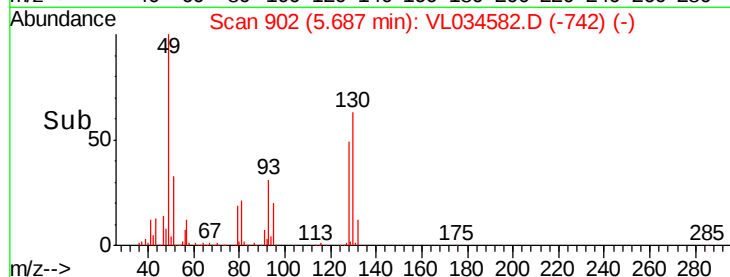
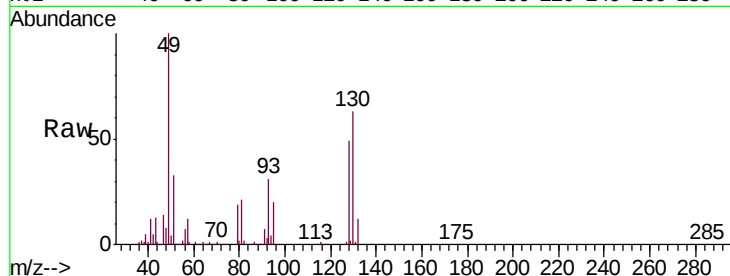




#25
Ethyl Acetate
Concen: 0.142 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.02 min
Lab File: VL034582.D
Acq: 4 Feb 2020 16:34

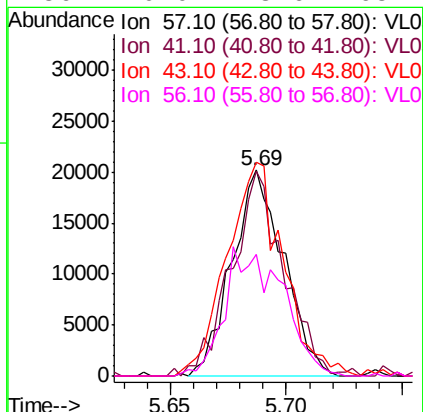
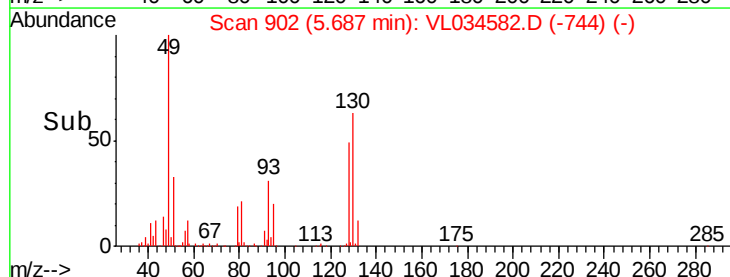
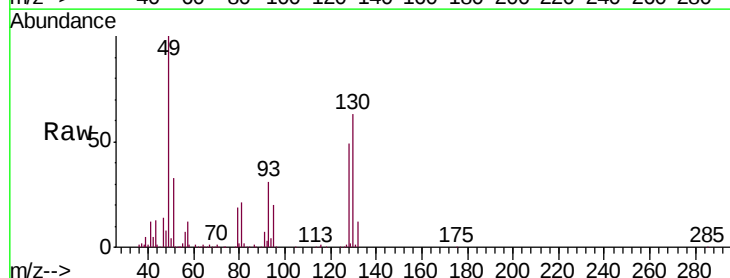
Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

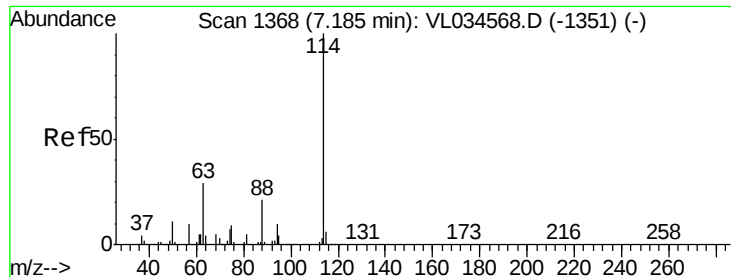
Tgt Ion:	43	Resp:	35175
Ion	Ratio	Lower	Upper
43	100		
45	7.8	8.5	12.7#
61	3.9	7.8	11.6#
70	6.2	5.8	8.8



#26
Hexane
Concen: 0.303 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL034582.D
Acq: 4 Feb 2020 16:34

Tgt Ion:	57	Resp:	31339
Ion	Ratio	Lower	Upper
57	100		
41	101.7	76.2	114.2
43	113.7	189.9	284.9#
56	70.0	43.6	65.4#

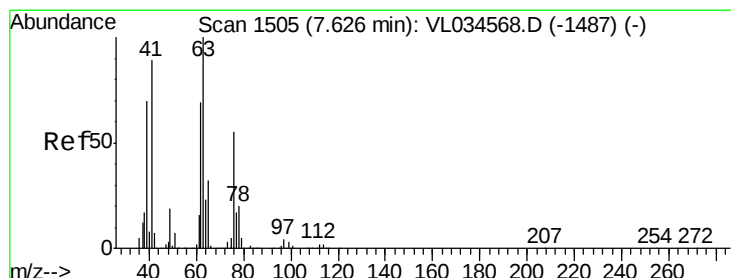
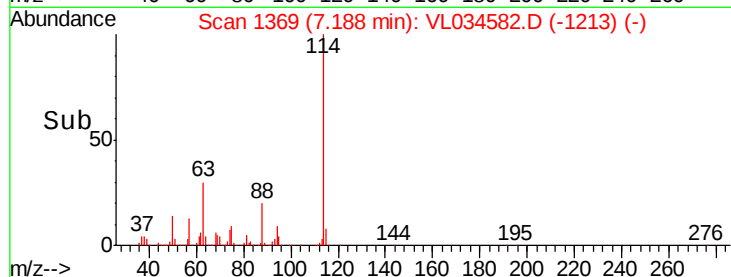
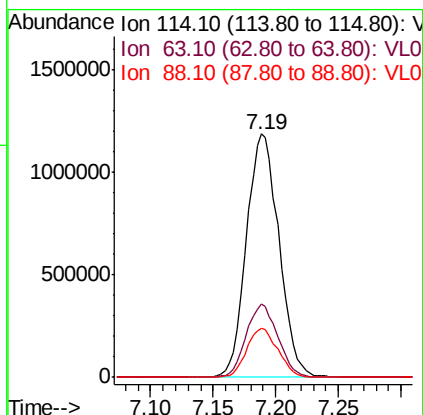
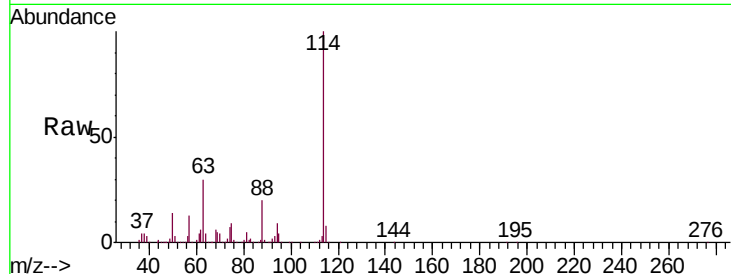




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VL034582.D
 Acq: 4 Feb 2020 16:34

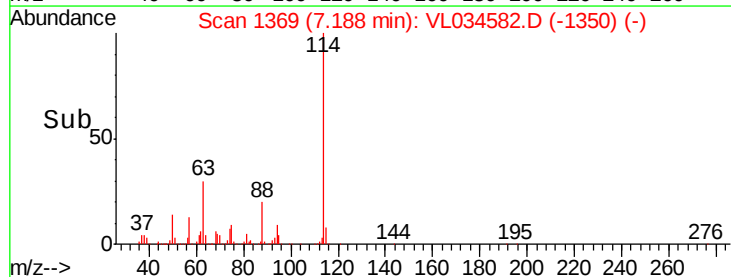
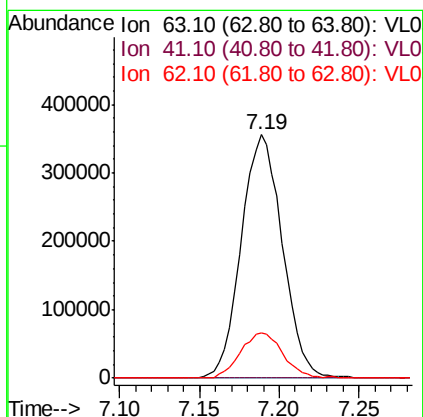
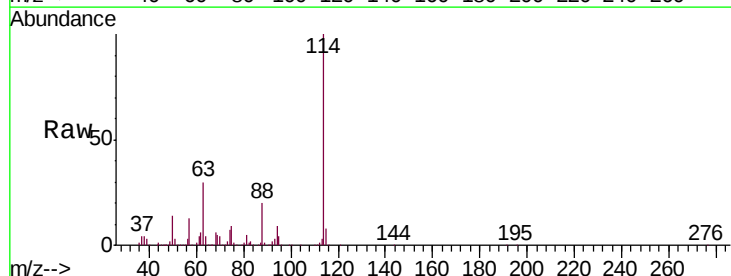
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL

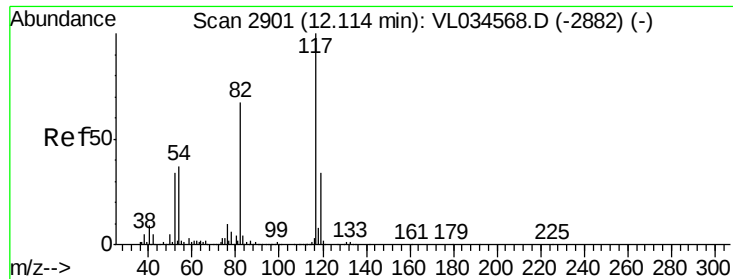
Tgt Ion: 114 Resp: 2128465
 Ion Ratio Lower Upper
 114 100
 63 29.5 24.1 36.1
 88 19.5 15.9 23.9



#39
 1,2-Dichloropropane
 Concen: 7.948 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. -0.44 min
 Lab File: VL034582.D
 Acq: 4 Feb 2020 16:34

Tgt Ion: 63 Resp: 623694
 Ion Ratio Lower Upper
 63 100
 41 0.0 71.0 106.4#
 62 18.5 55.4 83.0#

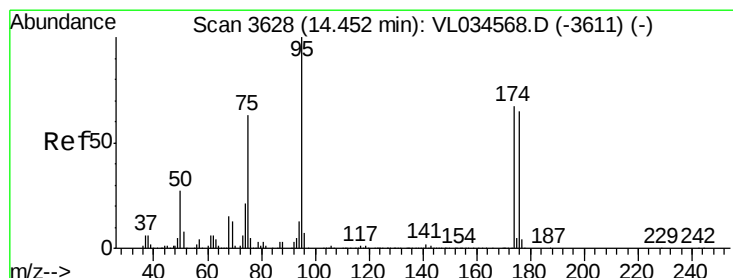
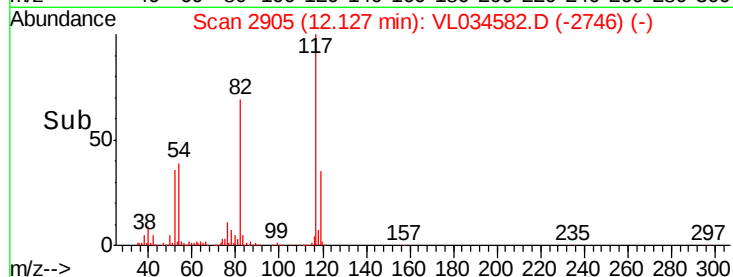
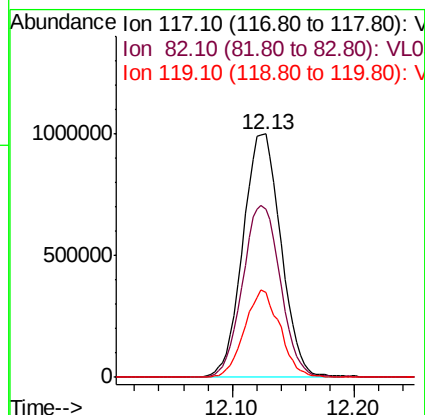
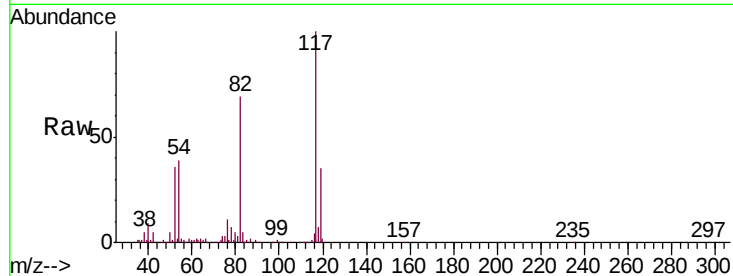




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. 0.01 min
Lab File: VL034582.D
Acq: 4 Feb 2020 16:34

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion: 117 Resp: 2151253
Ion Ratio Lower Upper
117 100
82 70.8 54.2 81.4
119 33.5 26.1 39.1



#68
1-Bromo-4-Fluorobenzene
Concen: 9.976 ppbv
RT: 14.46 min Scan# 3631
Delta R.T. 0.01 min
Lab File: VL034582.D
Acq: 4 Feb 2020 16:34

Tgt Ion: 95 Resp: 1813675
Ion Ratio Lower Upper
95 100
174 64.8 52.3 78.5
175 4.4 3.8 5.6

