

Data File : VL034615.D
Acq On : 7 Feb 2020 10:13
Operator : SY/AP
Sample : L1435-06DL 4X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-6DL

Quant Time: Feb 08 01:42:43 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	5.73	49	854117	10.00	ppbv	0.06
33) 1,4-Difluorobenzene	7.25	114	1821990	10.00	ppbv	0.07
55) Chlorobenzene-d5	12.19	117	1841170	10.00	ppbv	0.08

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.54 95 1576424 10.13 ppbv 0.08
Spiked Amount 10.000 Range 65 - 135 Recovery = 101.30%

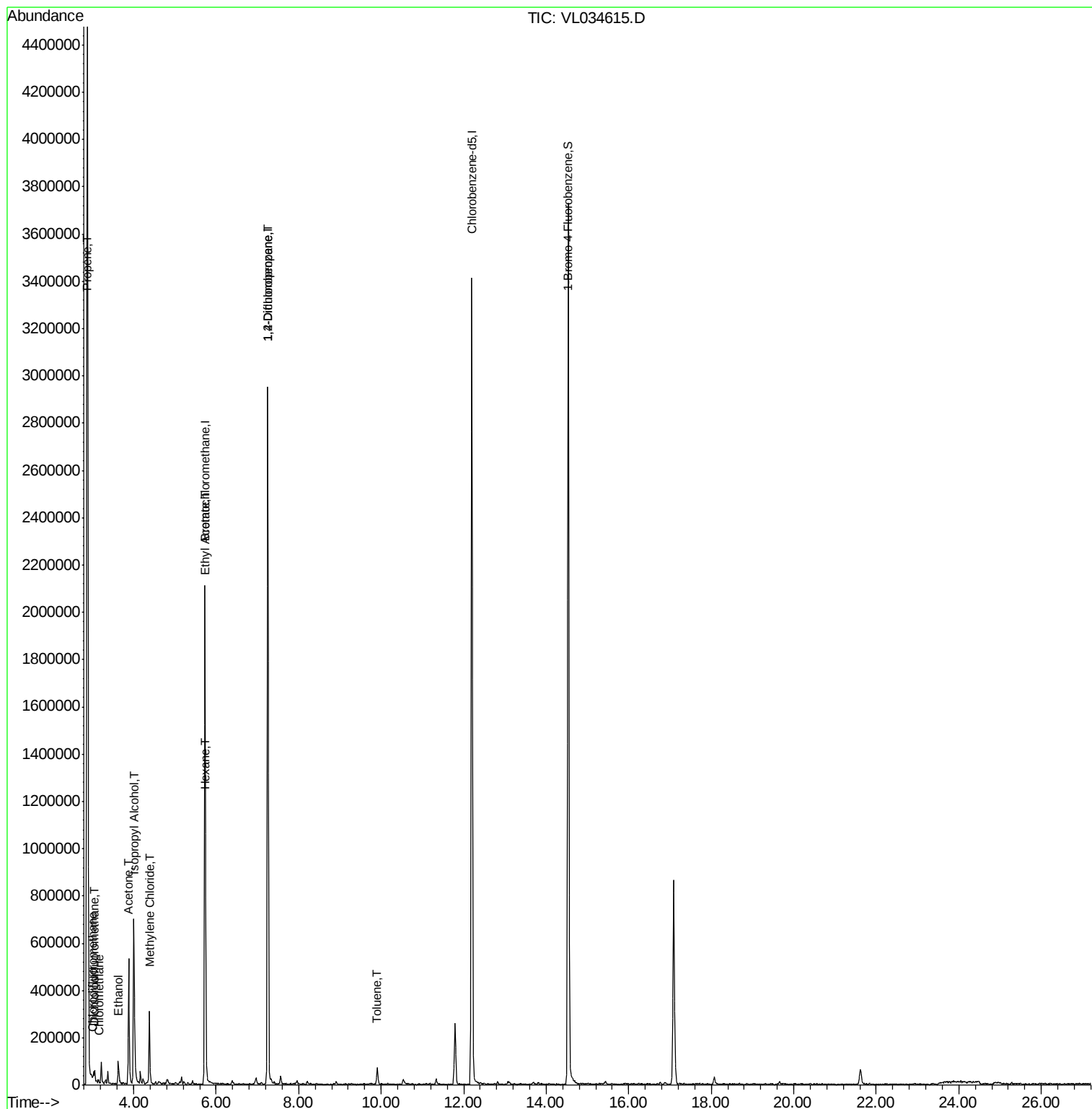
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.06	85	26643	0.142	ppbv	100
3) Chlorodifluoromethane	3.00	51	15154	0.147	ppbv #	87
4) Chloromethane	3.15	50	4211	0.067	ppbv #	76
9) Propene	2.88	41	1650	0.041	ppbv	84
13) Ethanol	3.63	45	83393	7.748	ppbv	97
15) Acetone	3.88	43	506354	4.034	ppbv	99
19) Isopropyl Alcohol	4.00	45	758918	10.360	ppbv #	97
20) Methylene Chloride	4.38	84	94569	1.979	ppbv #	92
25) Ethyl Acetate	5.74	43	18504	0.091	ppbv #	79
26) Hexane	5.75	57	41430	0.487	ppbv #	39
39) 1,2-Dichloropropane	7.25	63	547170	8.146	ppbv #	20
53) Toluene	9.92	91	23551	0.132	ppbv #	21

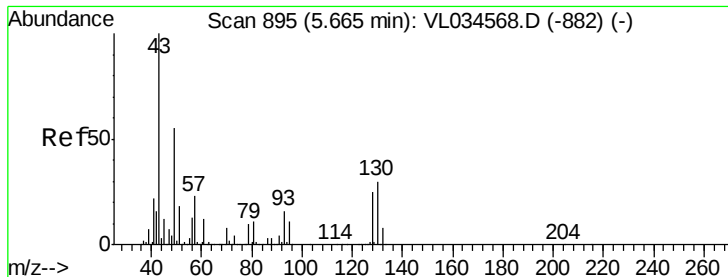
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 08 01:42:43 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: 5.73 min Scan# 915

Delta R.T. 0.06 min

Lab File: VL034615.D

Acq: 7 Feb 2020 10:13

Instrument :

MSVOA_L

ClientSampleId :

IA-6DL

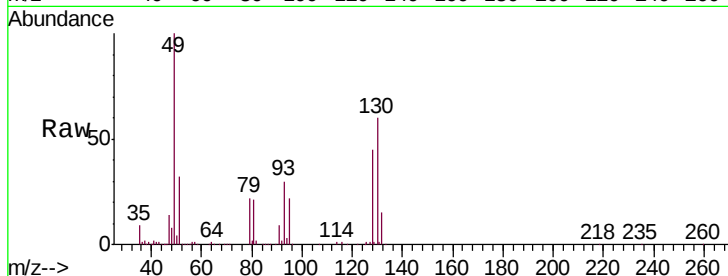
Tgt Ion: 49 Resp: 854117

Ion Ratio Lower Upper

49 100

128 46.8 22.7 68.1

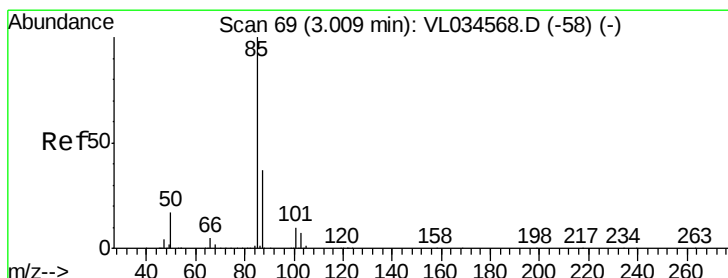
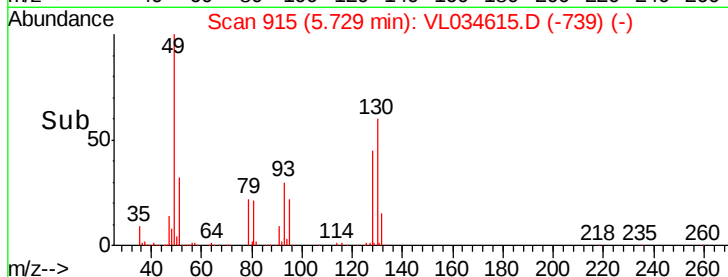
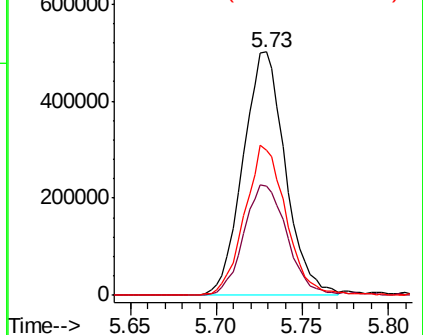
130 60.7 28.6 85.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.142 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.05 min

Lab File: VL034615.D

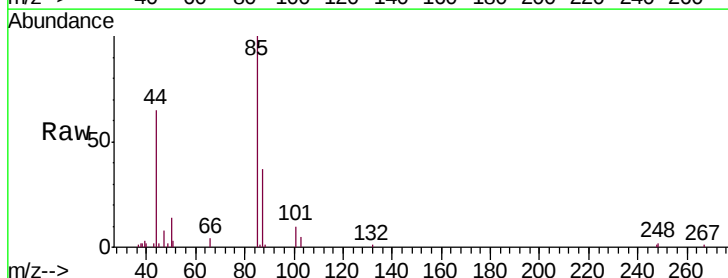
Acq: 7 Feb 2020 10:13

Tgt Ion: 85 Resp: 26643

Ion Ratio Lower Upper

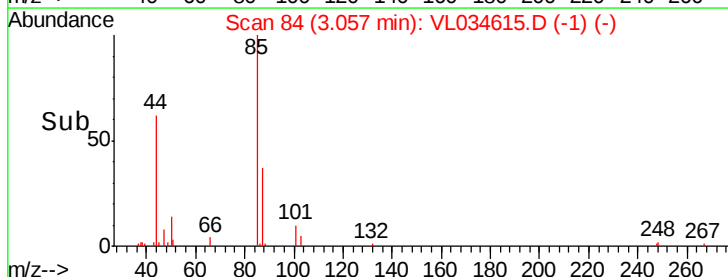
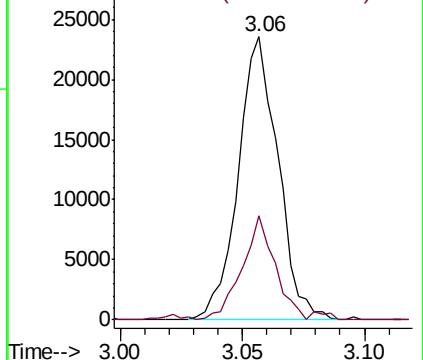
85 100

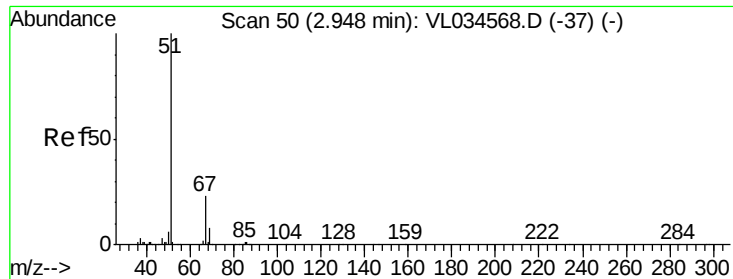
87 37.0 29.5 44.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.147 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.05 min

Lab File: VL034615.D

Acq: 7 Feb 2020 10:13

Instrument :

MSVOA_L

ClientSampleId :

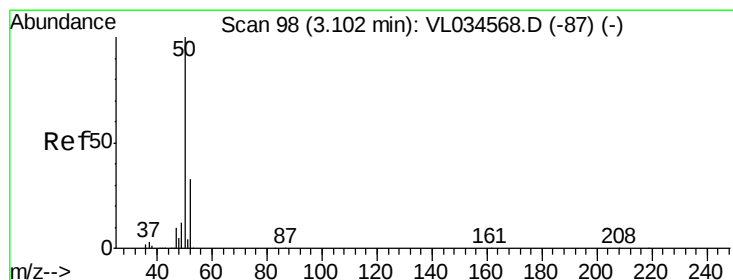
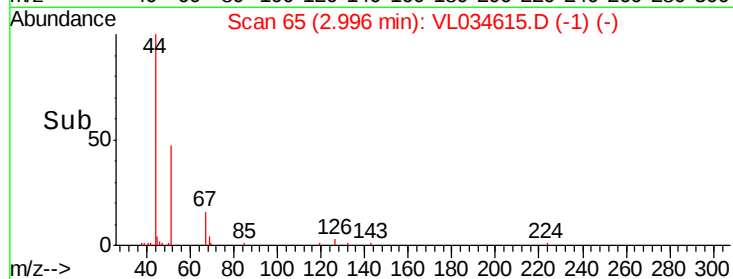
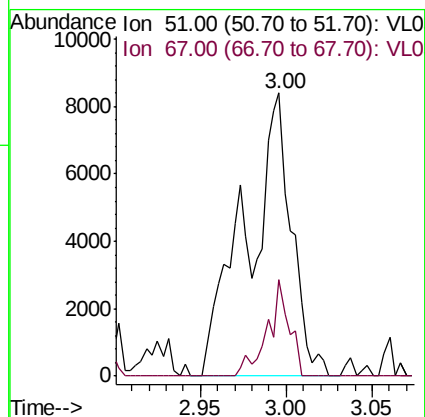
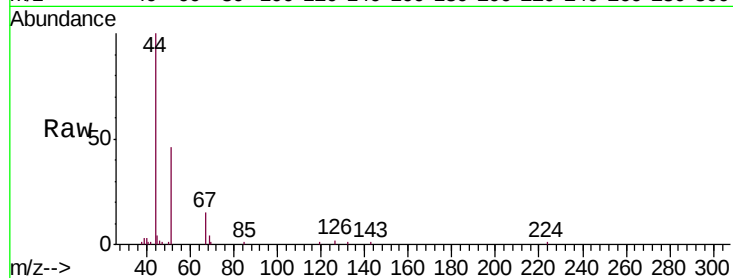
IA-6DL

Tgt Ion: 51 Resp: 15154

Ion Ratio Lower Upper

51 100

67 16.1 17.8 26.8#



#4

Chloromethane

Concen: 0.067 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.05 min

Lab File: VL034615.D

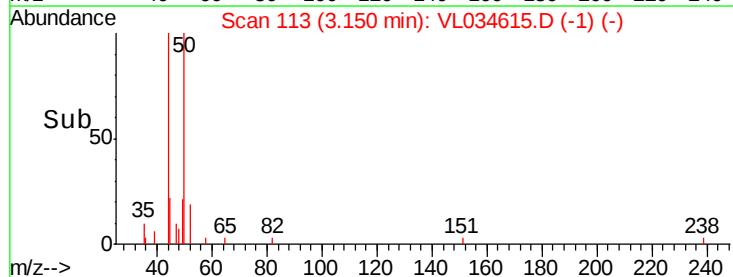
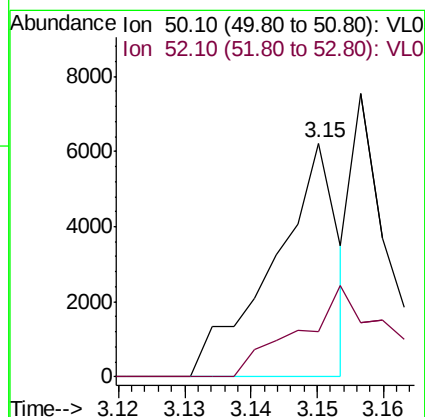
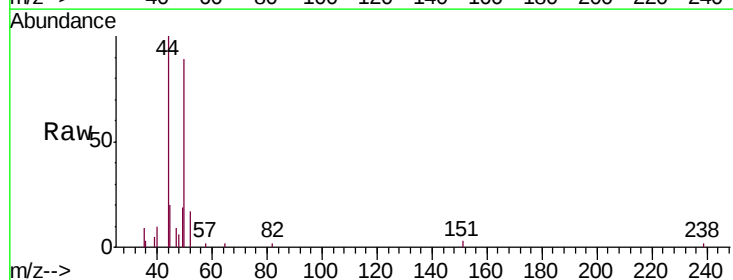
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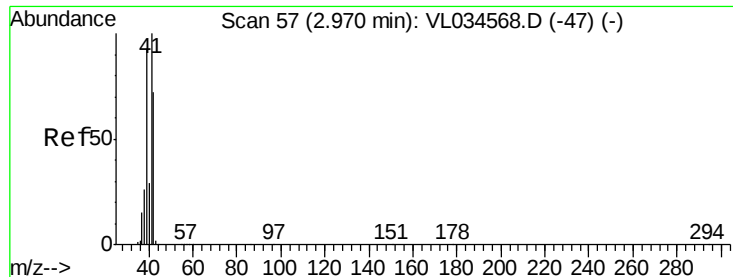
Tgt Ion: 50 Resp: 4211

Ion Ratio Lower Upper

50 100

52 19.4 26.6 39.8#





#9

Propene

Concen: 0.041 ppbv

RT: 2.88 min Scan# 30

Delta R.T. -0.09 min

Lab File: VL034615.D

Acq: 7 Feb 2020 10:13

Instrument :

MSVOA_L

ClientSampleId :

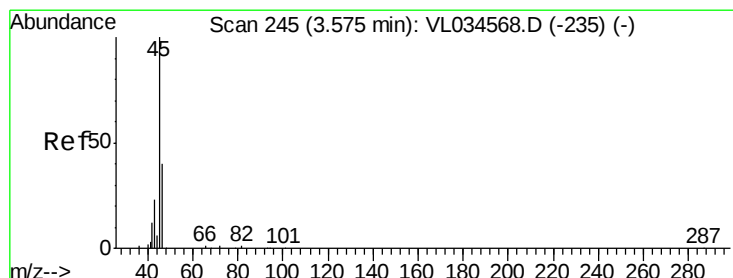
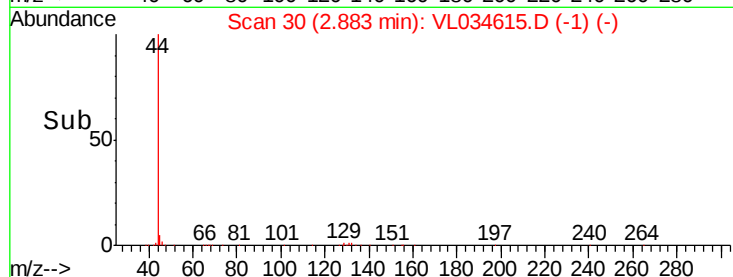
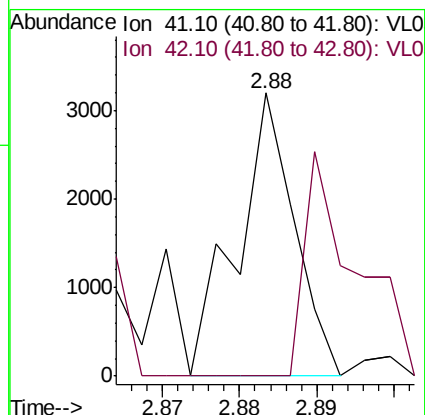
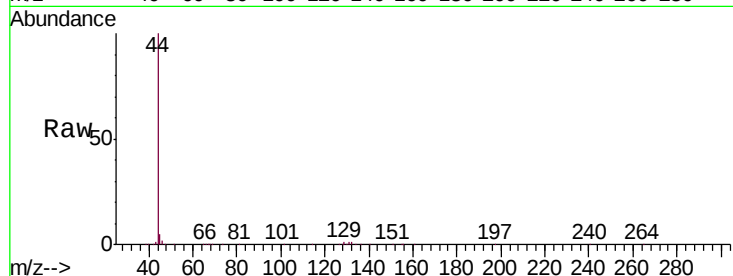
IA-6DL

Tgt Ion: 41 Resp: 1650

Ion Ratio Lower Upper

41 100

42 84.1 57.0 85.4



#13

Ethanol

Concen: 7.748 ppbv

RT: 3.63 min Scan# 263

Delta R.T. 0.06 min

Lab File: VL034615.D

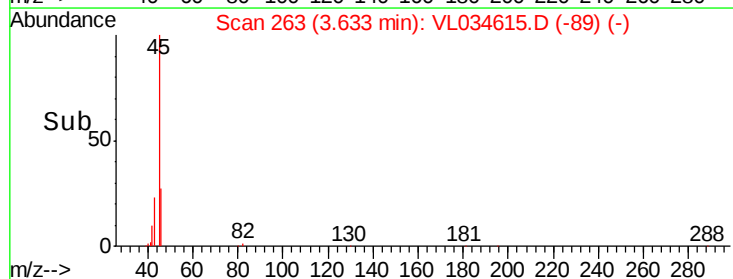
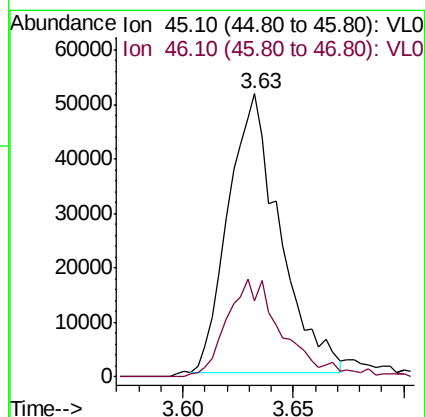
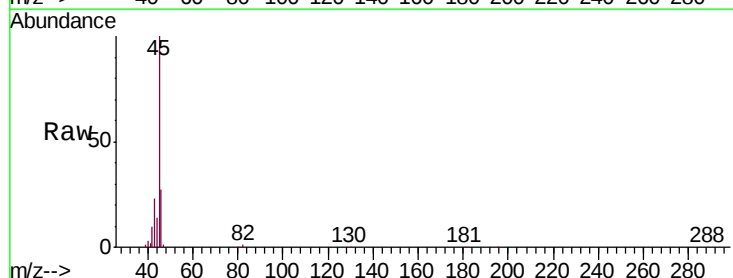
Acq: 7 Feb 2020 10:13

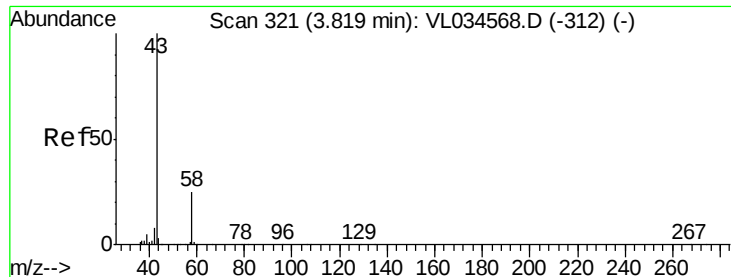
Tgt Ion: 45 Resp: 83393

Ion Ratio Lower Upper

45 100

46 38.8 14.8 59.2





#15

Acetone

Concen: 4.034 ppbv

RT: 3.88 min Scan# 340

Delta R.T. 0.06 min

Lab File: VL034615.D

Acq: 7 Feb 2020 10:13

Instrument :

MSVOA_L

ClientSampleId :

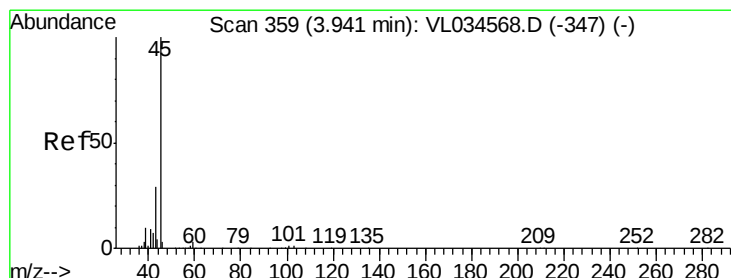
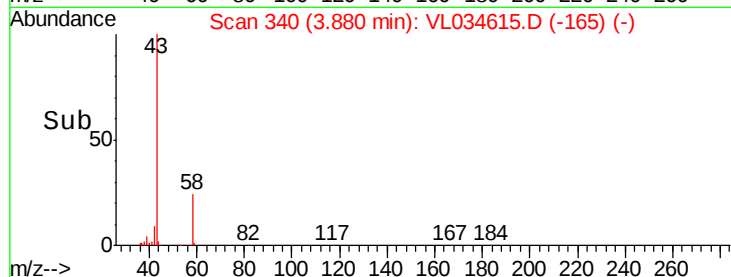
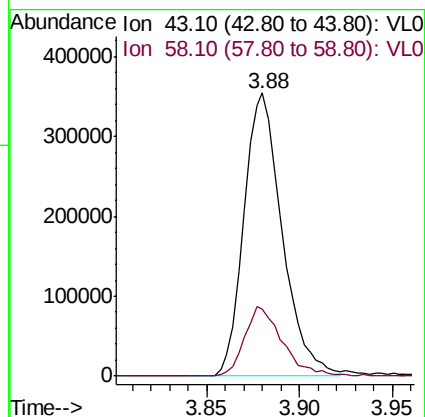
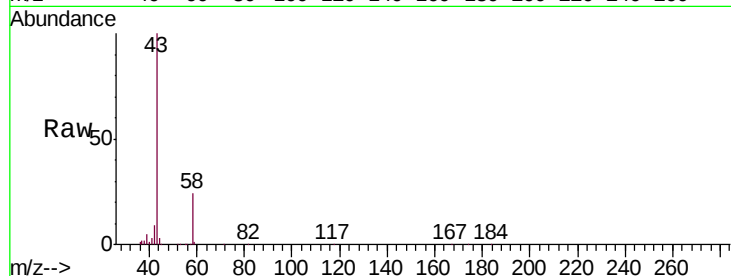
IA-6DL

Tgt Ion: 43 Resp: 506354

Ion Ratio Lower Upper

43 100

58 24.8 20.3 30.5



#19

Isopropyl Alcohol

Concen: 10.360 ppbv

RT: 4.00 min Scan# 378

Delta R.T. 0.06 min

Lab File: VL034615.D

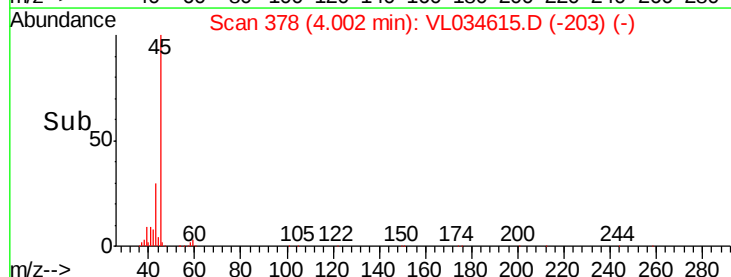
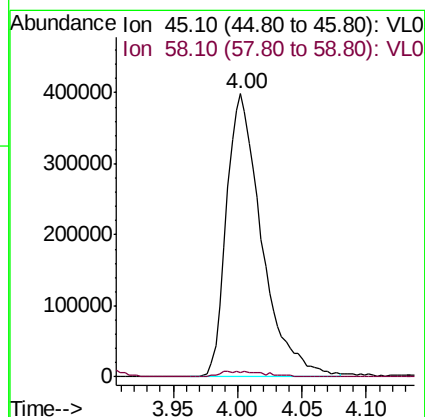
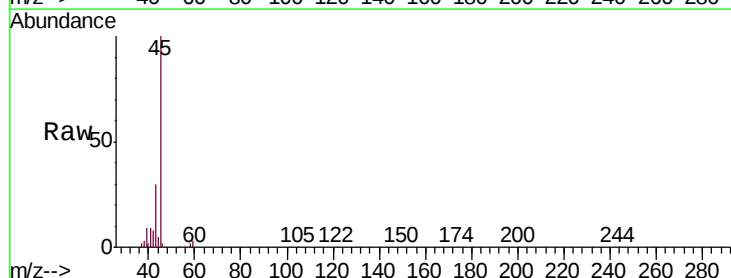
Acq: 7 Feb 2020 10:13

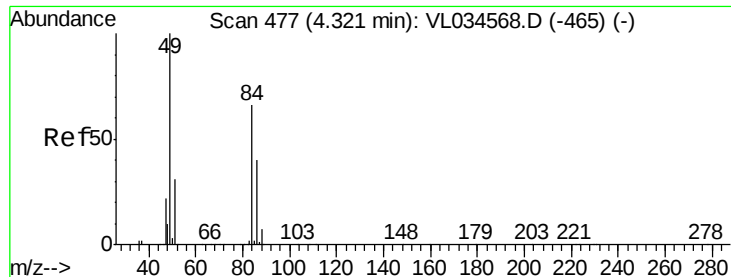
Tgt Ion: 45 Resp: 758918

Ion Ratio Lower Upper

45 100

58 3.0 1.7 2.5#

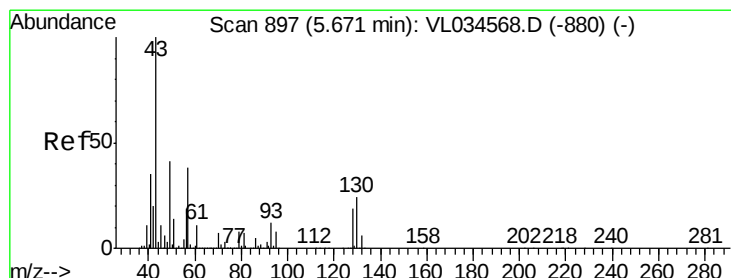
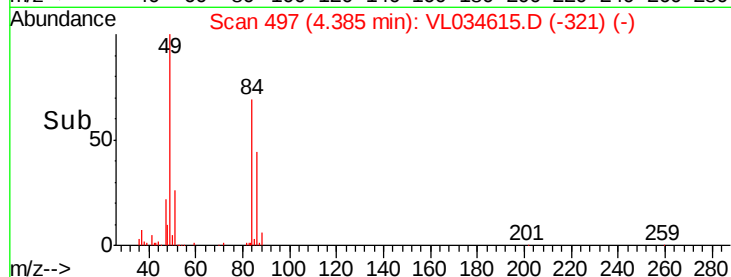
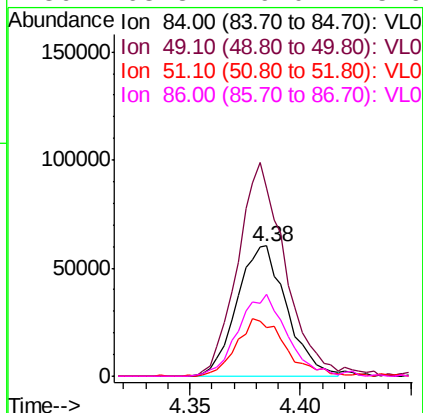
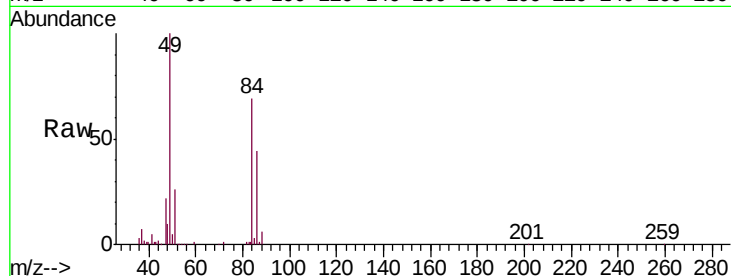




#20
Methylene Chloride
Concen: 1.979 ppbv
RT: 4.38 min Scan# 497
Delta R.T. 0.06 min
Lab File: VL034615.D
Acq: 7 Feb 2020 10:13

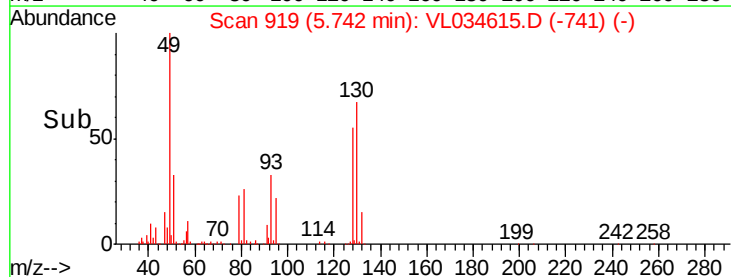
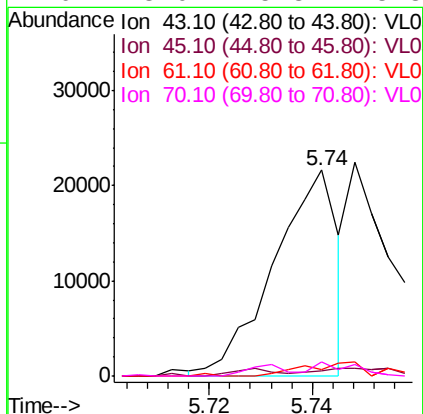
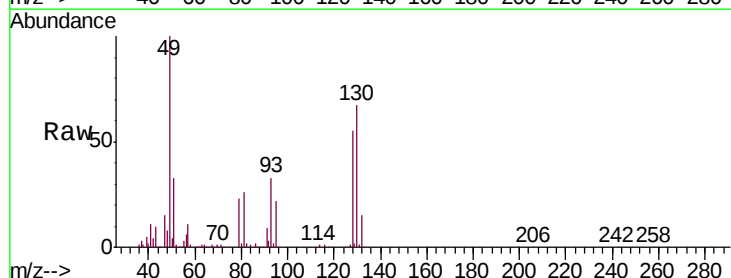
Instrument :
MSVOA_L
ClientSampleId :
IA-6DL

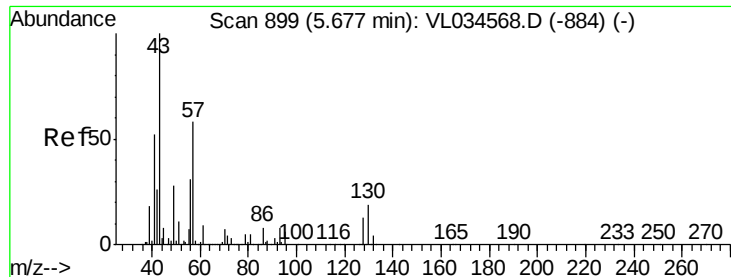
Tgt Ion:	84	Resp:	94569
Ion	Ratio	Lower	Upper
84	100		
49	143.7	122.4	183.6
51	37.1	38.6	57.8#
86	63.3	49.0	73.6



#25
Ethyl Acetate
Concen: 0.091 ppbv
RT: 5.74 min Scan# 919
Delta R.T. 0.07 min
Lab File: VL034615.D
Acq: 7 Feb 2020 10:13

Tgt Ion:	43	Resp:	18504
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.5	12.7#
61	0.0	7.8	11.6#
70	8.0	5.8	8.8

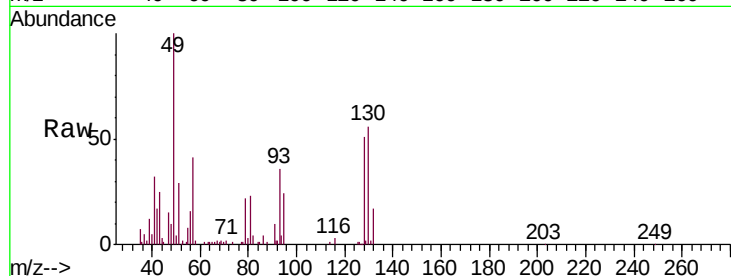




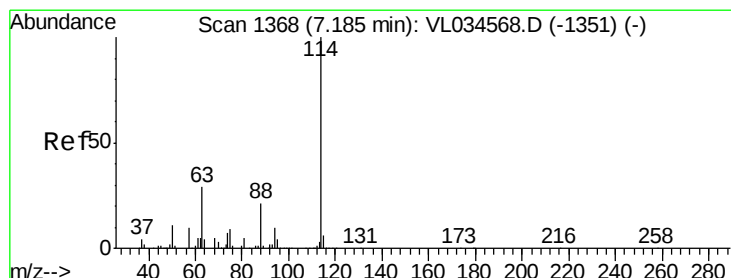
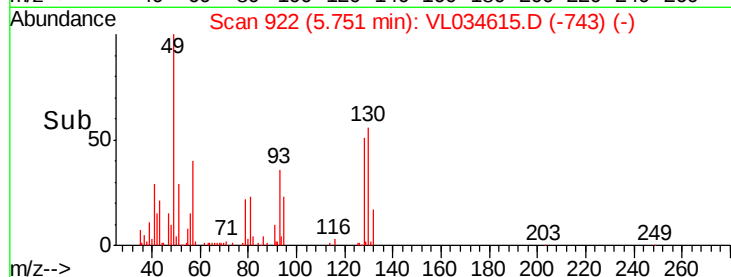
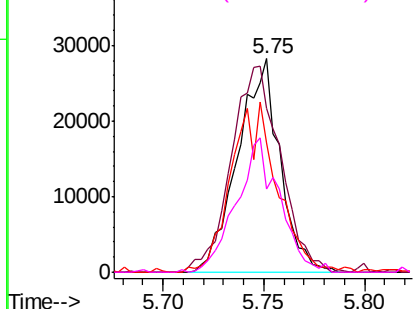
#26
Hexane
Concen: 0.487 ppbv
RT: 5.75 min Scan# 922
Delta R.T. 0.07 min
Lab File: VL034615.D
Acq: 7 Feb 2020 10:13

Instrument :
MSVOA_L
ClientSampleId :
IA-6DL

Tgt Ion: 57 Resp: 41430
Ion Ratio Lower Upper
57 100
41 113.0 76.2 114.2
43 87.0 189.9 284.9#
56 63.9 43.6 65.4

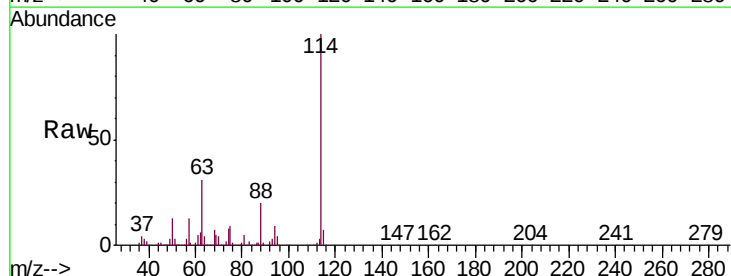


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

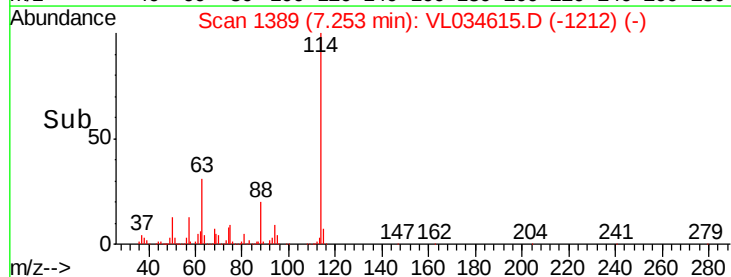
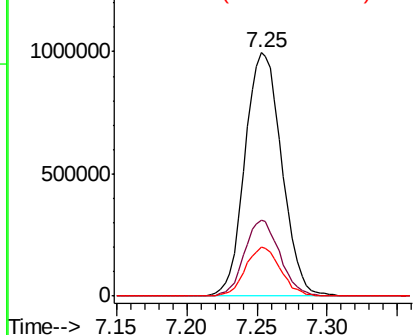


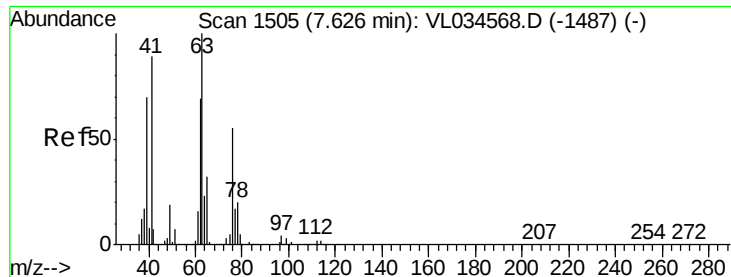
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.25 min Scan# 1389
Delta R.T. 0.07 min
Lab File: VL034615.D
Acq: 7 Feb 2020 10:13

Tgt Ion: 114 Resp: 1821990
Ion Ratio Lower Upper
114 100
63 30.3 24.1 36.1
88 19.3 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

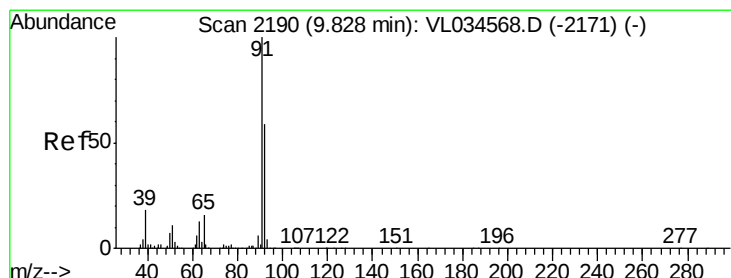
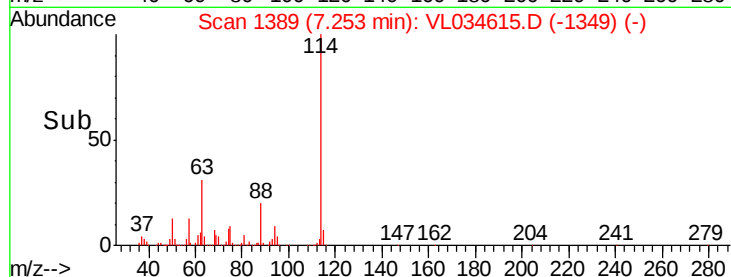
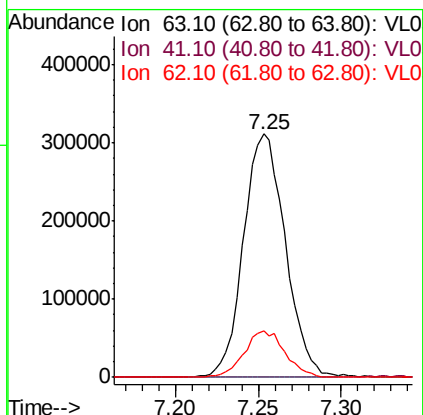
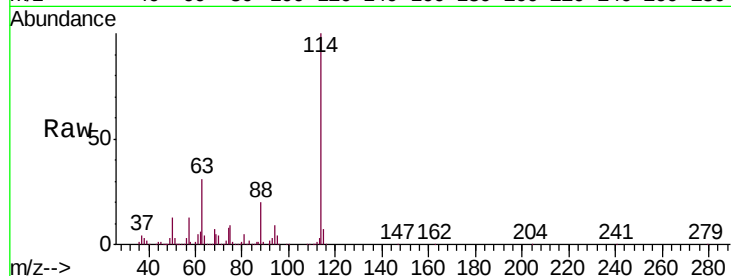




#39
 1,2-Dichloropropane
 Concen: 8.146 ppbv
 RT: 7.25 min Scan# 1389
 Delta R.T. -0.37 min
 Lab File: VL034615.D
 Acq: 7 Feb 2020 10:13

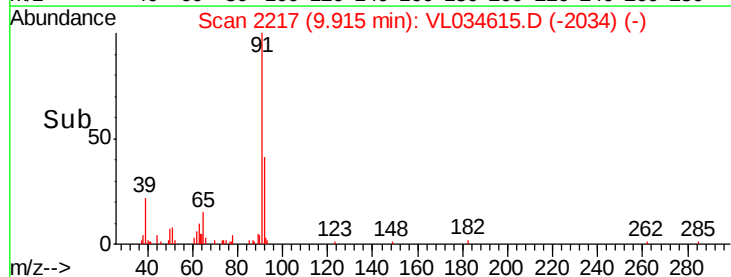
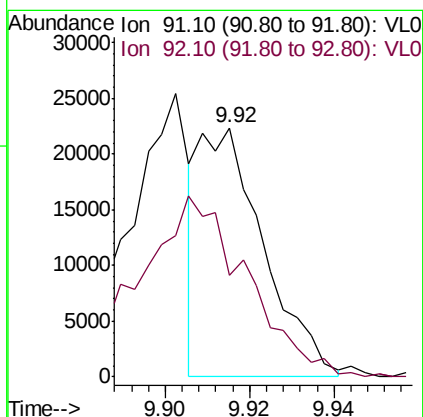
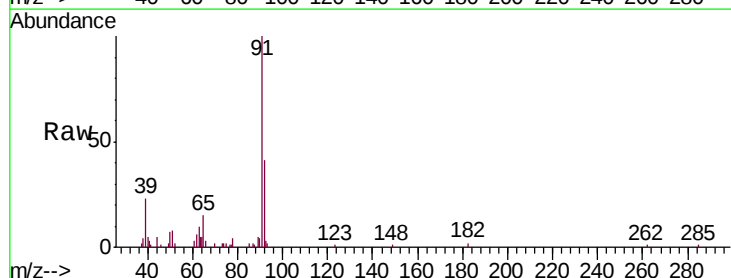
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-6DL

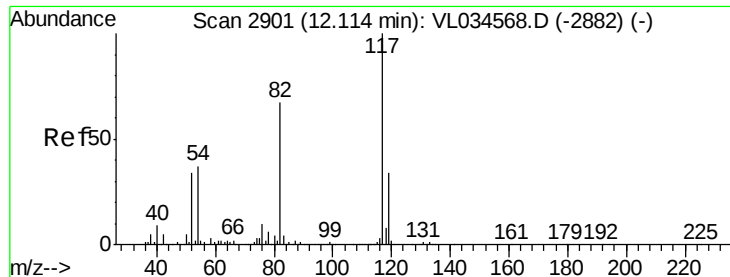
Tgt Ion: 63 Resp: 547170
 Ion Ratio Lower Upper
 63 100
 41 0.0 71.0 106.4#
 62 19.1 55.4 83.0#



#53
 Toluene
 Concen: 0.132 ppbv
 RT: 9.92 min Scan# 2217
 Delta R.T. 0.09 min
 Lab File: VL034615.D
 Acq: 7 Feb 2020 10:13

Tgt Ion: 91 Resp: 23551
 Ion Ratio Lower Upper
 91 100
 92 0.0 48.2 72.2#

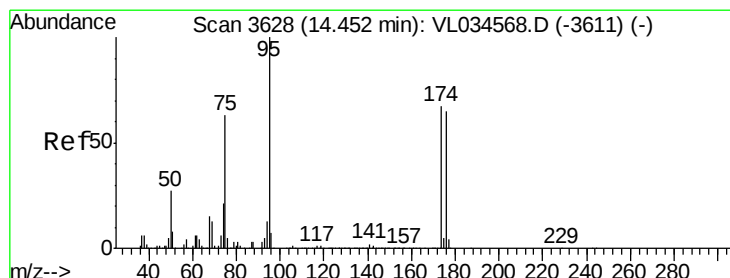
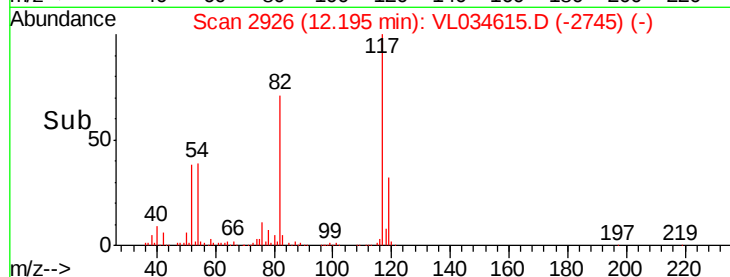
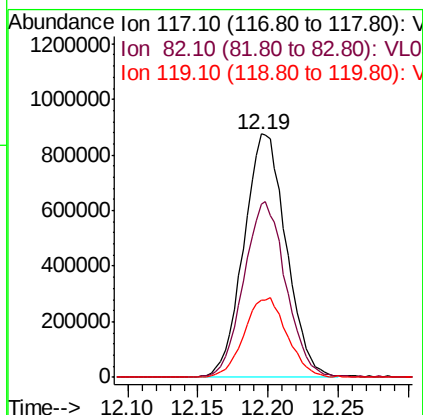
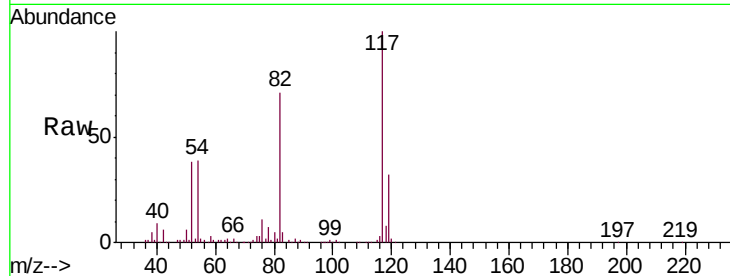




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.19 min Scan# 2926
Delta R.T. 0.08 min
Lab File: VL034615.D
Acq: 7 Feb 2020 10:13

Instrument :
MSVOA_L
ClientSampleId :
IA-6DL

Tgt Ion: 117 Resp: 1841170
Ion Ratio Lower Upper
117 100
82 72.2 54.2 81.4
119 33.2 26.1 39.1



#68
1-Bromo-4-Fluorobenzene
Concen: 10.131 ppbv
RT: 14.54 min Scan# 3654
Delta R.T. 0.08 min
Lab File: VL034615.D
Acq: 7 Feb 2020 10:13

Tgt Ion: 95 Resp: 1576424
Ion Ratio Lower Upper
95 100
174 63.7 52.3 78.5
175 4.5 3.8 5.6

