

Data File : VL034799.D
Acq On : 5 Mar 2020 17:09
Operator : SY/AP
Sample : L1704-05DL2 200X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-5-4DL2

Quant Time: Mar 06 03:44:03 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030420AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 04 06:36:39 2020
QLast Update : Wed Mar 04 06:36:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	999192	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.18	114	2088229	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.10	117	2099439	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1722178	9.84	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.92	51	6383	0.056	ppbv #	74
10) Heptane	8.13	43	35648	0.313	ppbv	95
11) Trichlorofluoromethane	3.93	101	46125	0.316	ppbv	89
13) Ethanol	3.59	45	2224	0.145	ppbv #	38
15) Acetone	3.82	43	1485036	12.411	ppbv	100
20) Methylene Chloride	4.32	84	6022	0.141	ppbv #	74
26) Hexane	5.67	57	2801	0.031	ppbv #	1
39) 1,2-Dichloropropane	7.18	63	614337	8.531	ppbv #	24
53) Toluene	9.82	91	288826	1.529	ppbv	98

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

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IA-5-4DL2

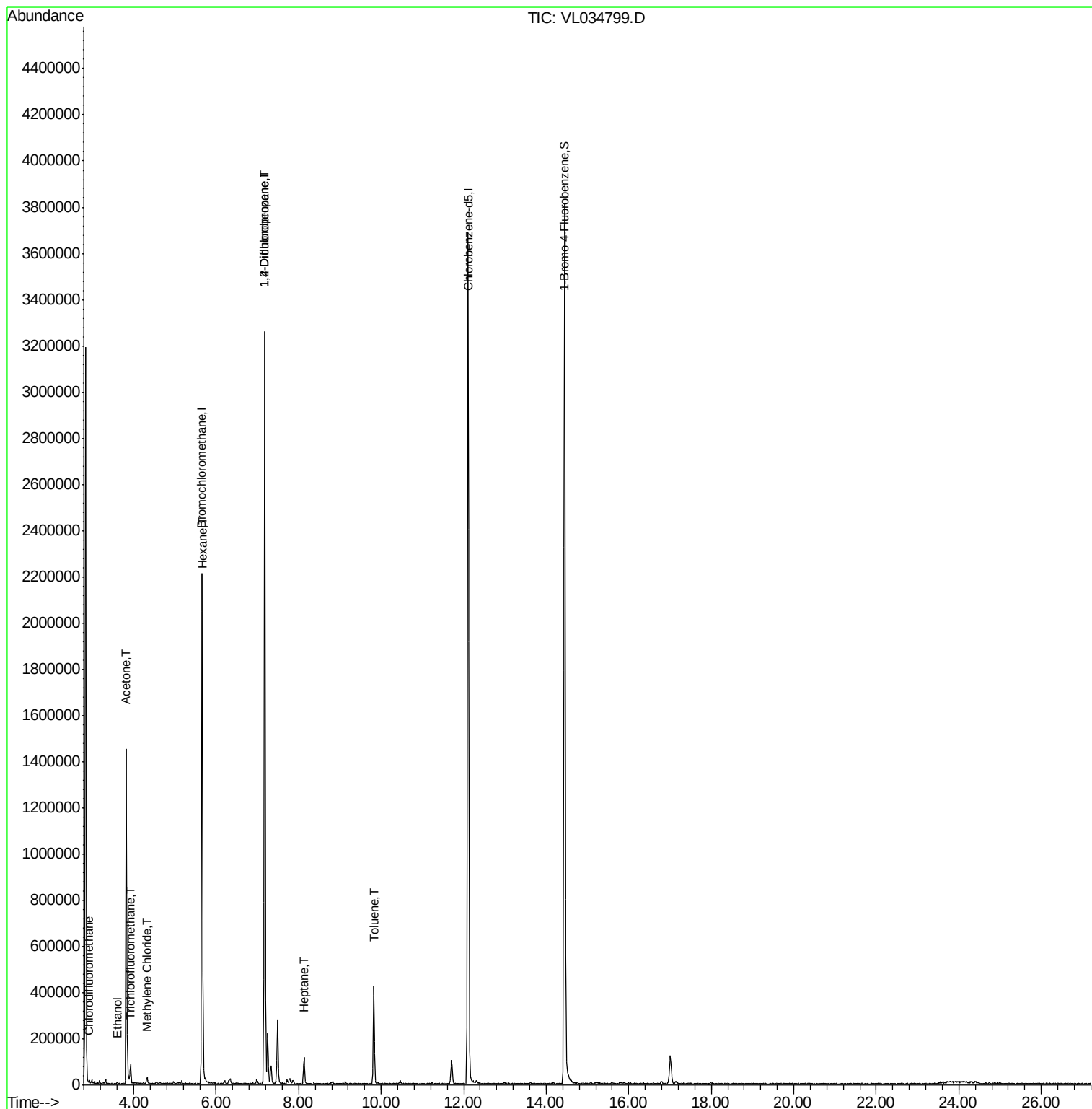
Quant Time: Mar 06 03:44:03 2020

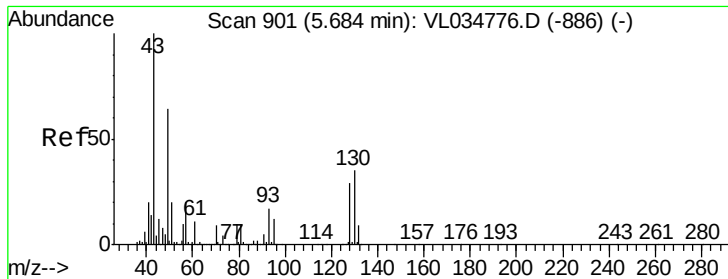
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030420AIR.M

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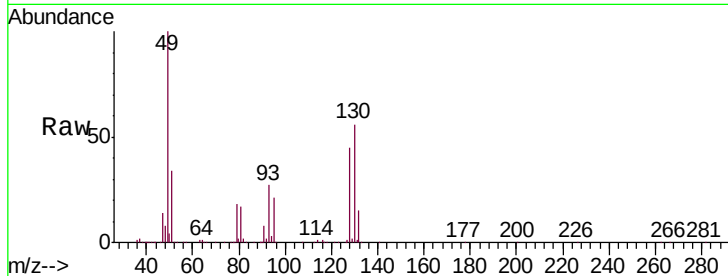




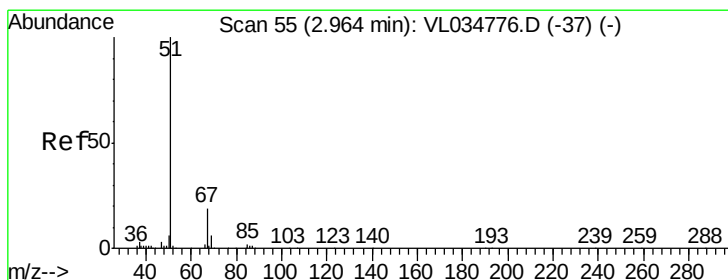
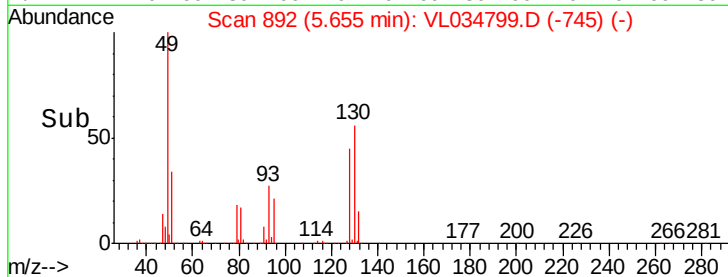
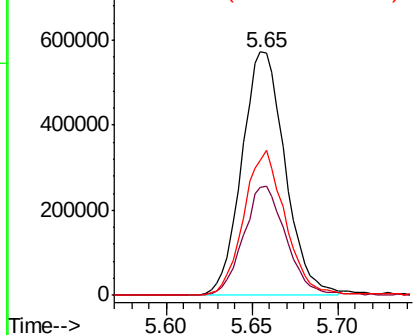
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 892
 Delta R.T. -0.03 min
 Lab File: VL034799.D
 Acq: 5 Mar 2020 17:09

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-5-4DL2

Tgt Ion: 49 Resp: 999192
 Ion Ratio Lower Upper
 49 100
 128 44.6 21.6 64.6
 130 57.7 27.4 82.2

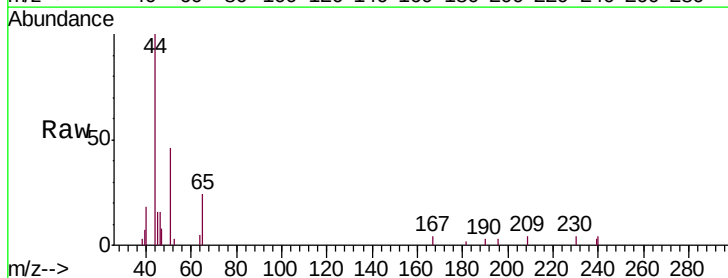


Abundance Ion 49.10 (48.80 to 49.80): VL0
 Ion 128.00 (127.70 to 128.70): V
 Ion 130.00 (129.70 to 130.70): V

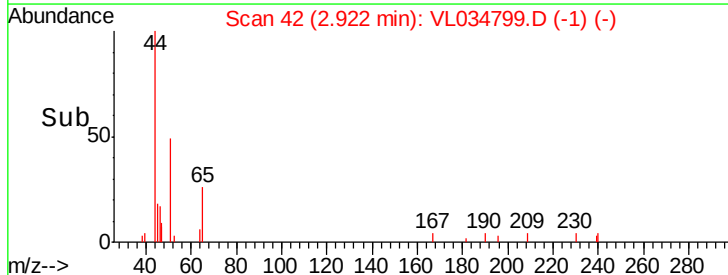
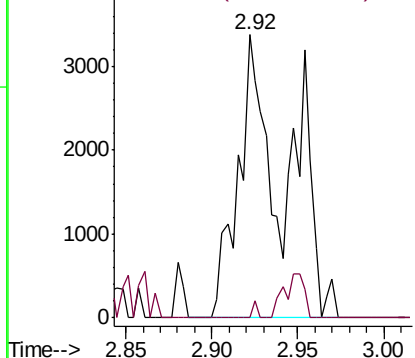


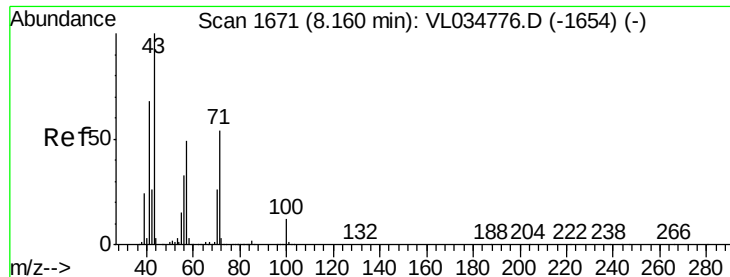
#3
 Chlorodifluoromethane
 Concen: 0.056 ppbv
 RT: 2.92 min Scan# 42
 Delta R.T. -0.04 min
 Lab File: VL034799.D
 Acq: 5 Mar 2020 17:09

Tgt Ion: 51 Resp: 6383
 Ion Ratio Lower Upper
 51 100
 67 7.3 15.3 22.9#



Abundance Ion 51.00 (50.70 to 51.70): VL0
 Ion 67.00 (66.70 to 67.70): VL0





#10

Heptane

Concen: 0.313 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. -0.03 min

Lab File: VL034799.D

Acq: 5 Mar 2020 17:09

Instrument :

MSVOA_L

ClientSampleId :

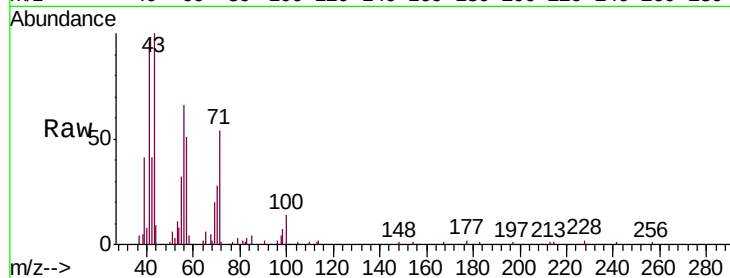
IA-5-4DL2

Tgt Ion: 43 Resp: 35648

Ion Ratio Lower Upper

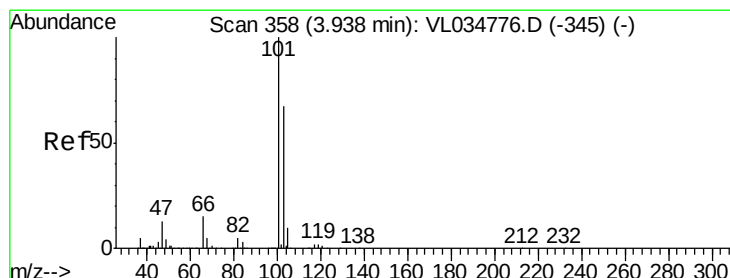
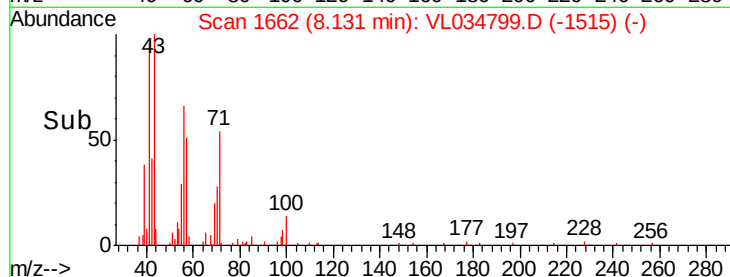
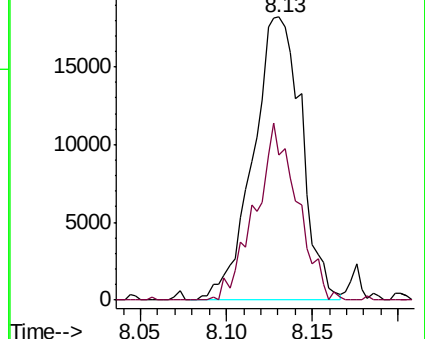
43 100

57 54.1 40.5 60.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#11

Trichlorofluoromethane

Concen: 0.316 ppbv

RT: 3.93 min Scan# 354

Delta R.T. -0.01 min

Lab File: VL034799.D

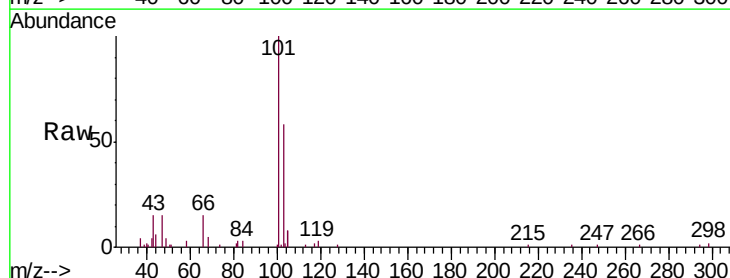
Acq: 5 Mar 2020 17:09

Tgt Ion: 101 Resp: 46125

Ion Ratio Lower Upper

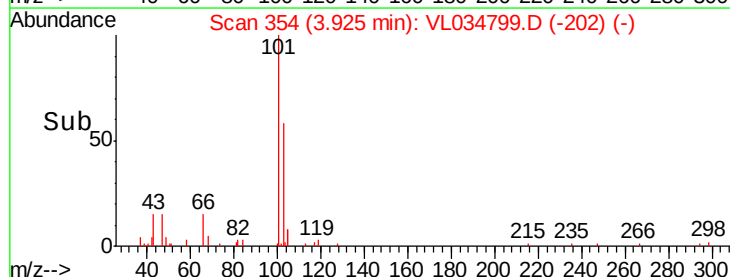
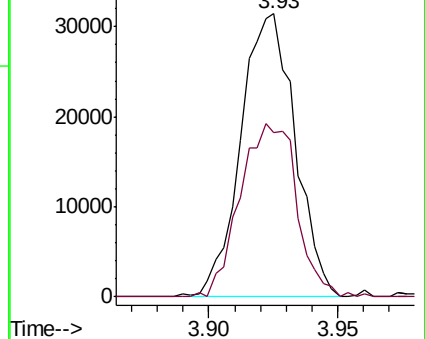
101 100

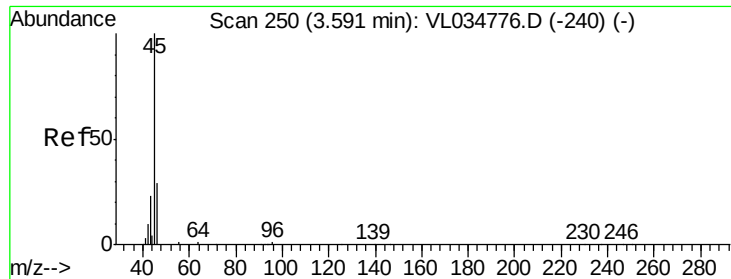
103 58.0 53.6 80.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

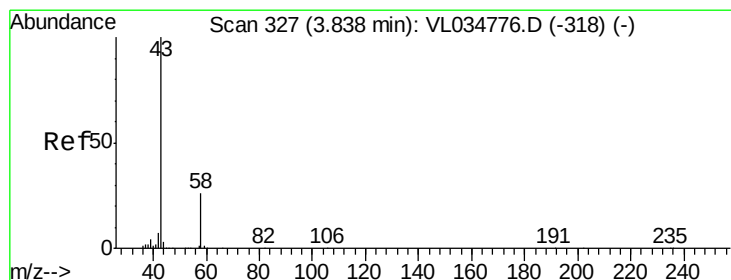
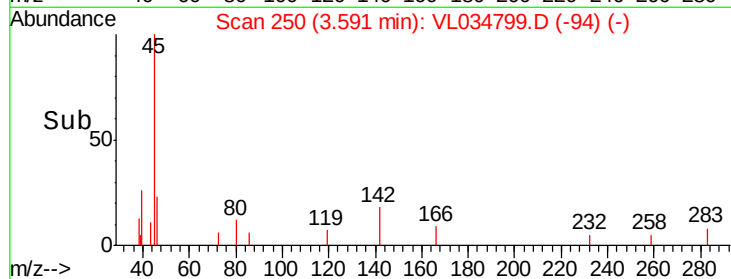
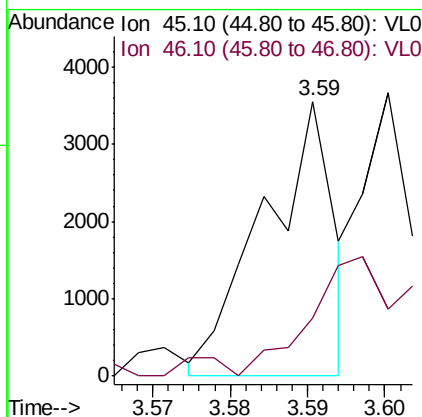
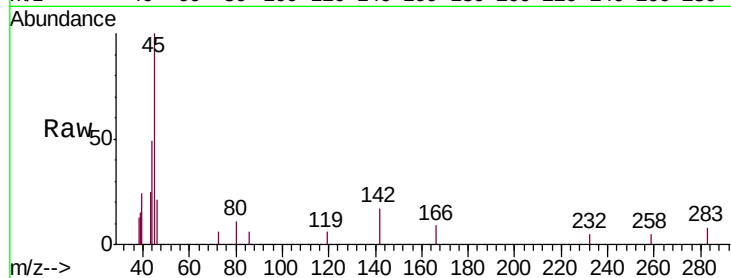




#13
Ethanol
Concen: 0.145 ppbv
RT: 3.59 min Scan# 250
Delta R.T. 0.00 min
Lab File: VL034799.D
Acq: 5 Mar 2020 17:09

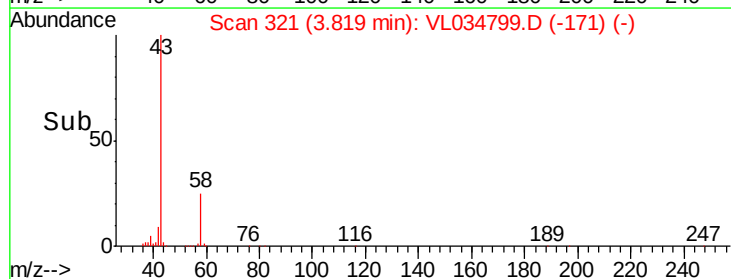
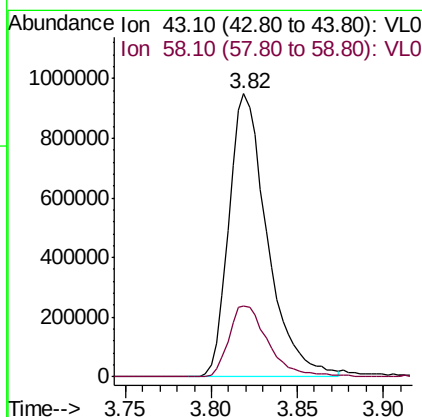
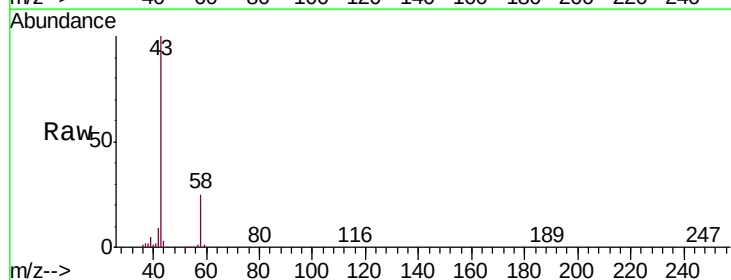
Instrument :
MSVOA_L
ClientSampleId :
IA-5-4DL2

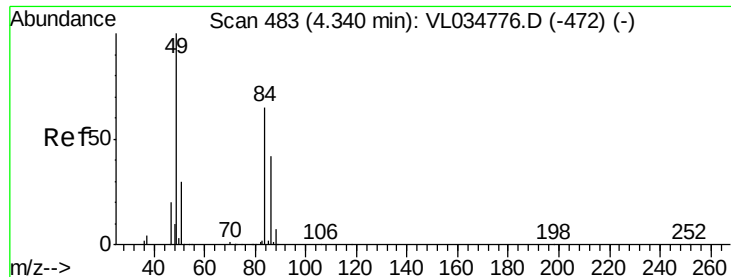
Tgt Ion: 45 Resp: 2224
Ion Ratio Lower Upper
45 100
46 0.0 14.7 58.9#



#15
Acetone
Concen: 12.411 ppbv
RT: 3.82 min Scan# 321
Delta R.T. -0.02 min
Lab File: VL034799.D
Acq: 5 Mar 2020 17:09

Tgt Ion: 43 Resp: 1485036
Ion Ratio Lower Upper
43 100
58 26.1 21.0 31.6

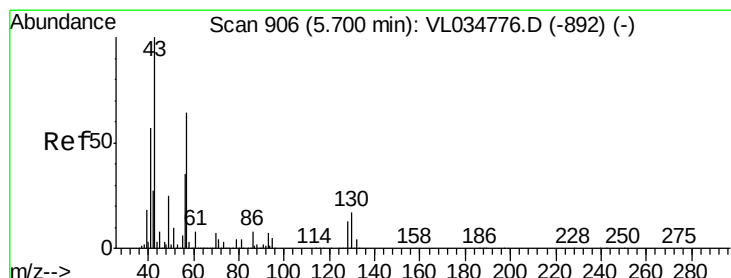
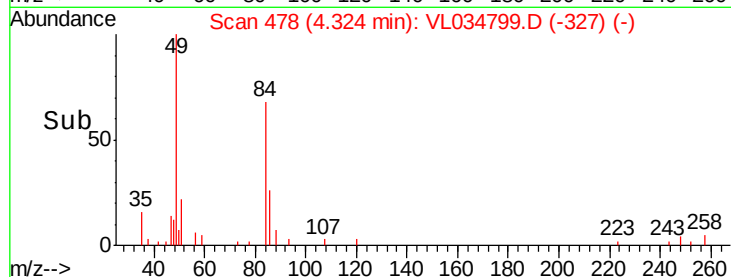
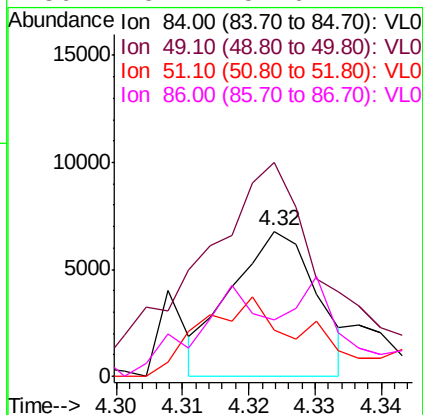
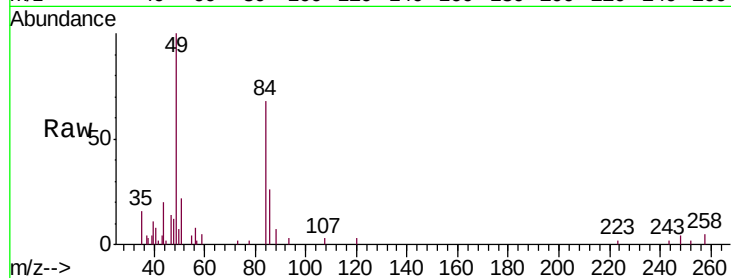




#20
Methylene Chloride
Concen: 0.141 ppbv
RT: 4.32 min Scan# 478
Delta R.T. -0.02 min
Lab File: VL034799.D
Acq: 5 Mar 2020 17:09

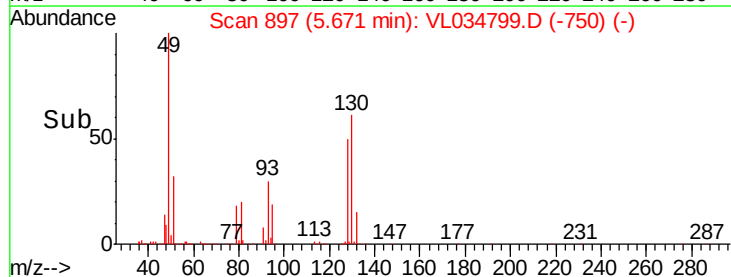
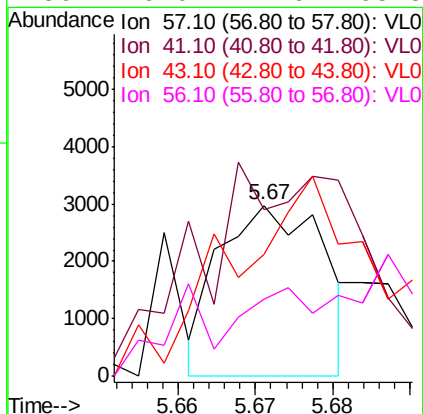
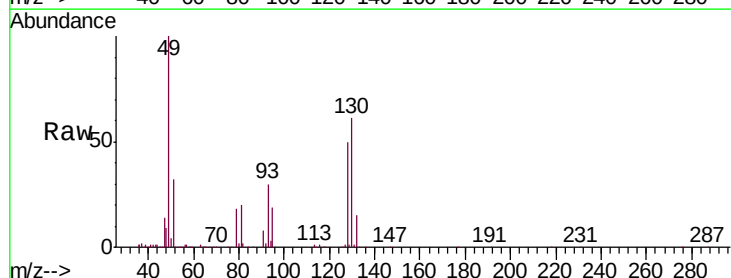
Instrument :
MSVOA_L
ClientSampleId :
IA-5-4DL2

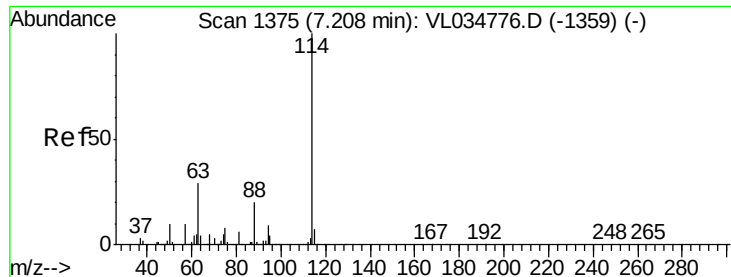
Tgt Ion: 84 Resp: 6022
Ion Ratio Lower Upper
84 100
49 137.8 123.2 184.8
51 20.3 37.4 56.2#
86 25.7 51.6 77.4#



#26
Hexane
Concen: 0.031 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.03 min
Lab File: VL034799.D
Acq: 5 Mar 2020 17:09

Tgt Ion: 57 Resp: 2801
Ion Ratio Lower Upper
57 100
41 226.9 72.0 108.0#
43 0.0 179.1 268.7#
56 0.0 42.6 63.8#

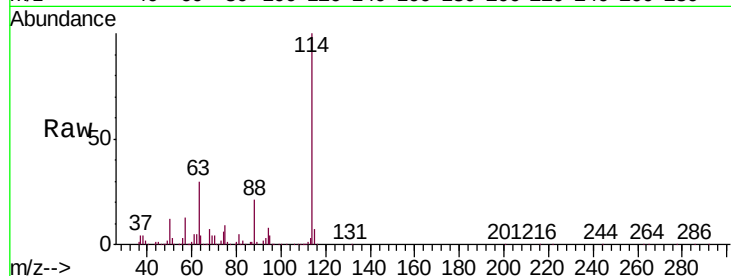




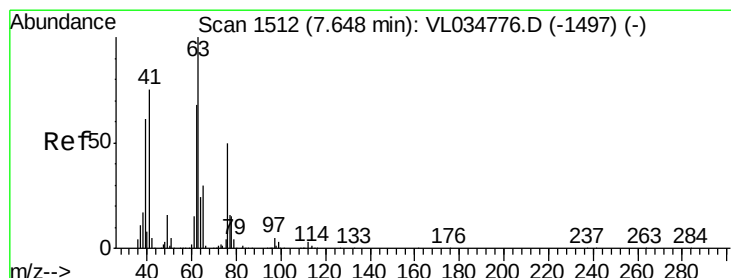
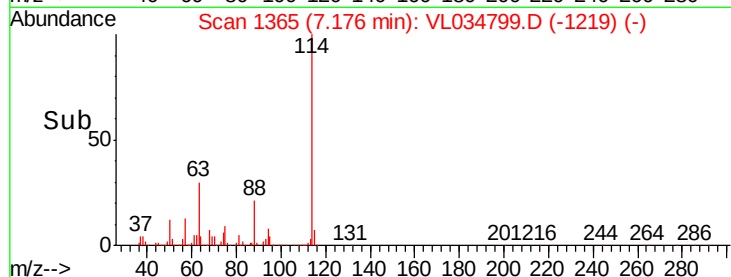
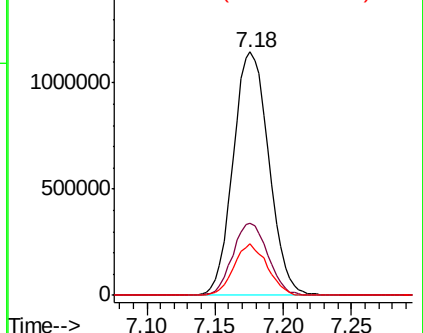
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.03 min
 Lab File: VL034799.D
 Acq: 5 Mar 2020 17:09

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-5-4DL2

Tgt Ion:114 Resp: 2088229
 Ion Ratio Lower Upper
 114 100
 63 29.6 23.6 35.4
 88 19.7 15.8 23.8

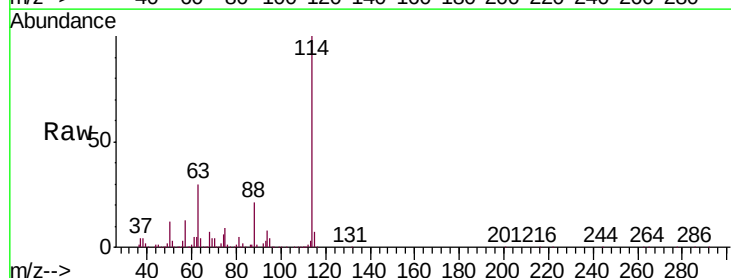


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

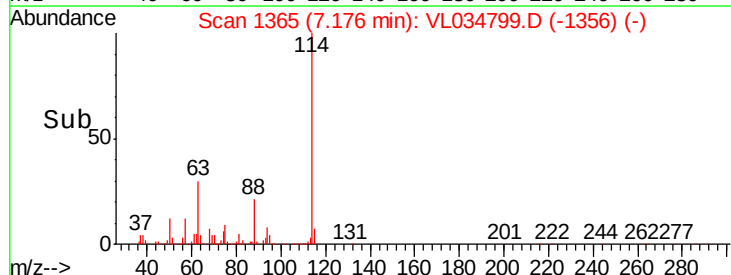
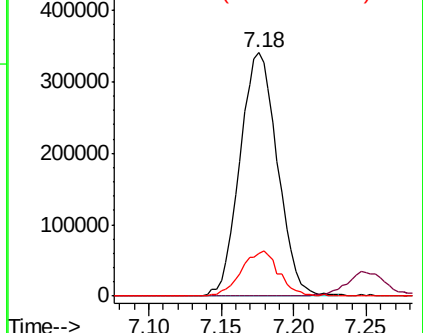


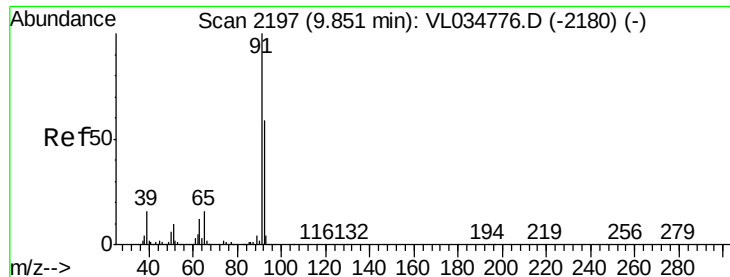
#39
 1,2-Dichloropropane
 Concen: 8.531 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.47 min
 Lab File: VL034799.D
 Acq: 5 Mar 2020 17:09

Tgt Ion: 63 Resp: 614337
 Ion Ratio Lower Upper
 63 100
 41 0.0 60.3 90.5#
 62 17.7 54.5 81.7#



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: 1.529 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. -0.03 min

Lab File: VL034799.D

Acq: 5 Mar 2020 17:09

Instrument :

MSVOA_L

ClientSampleId :

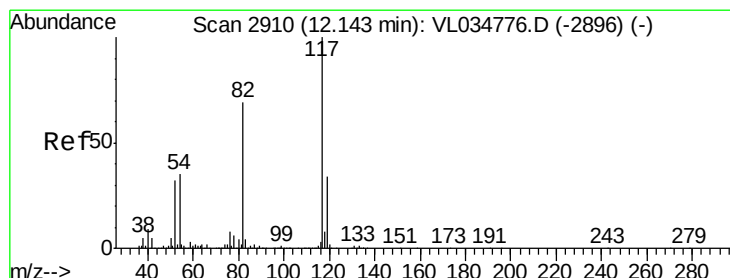
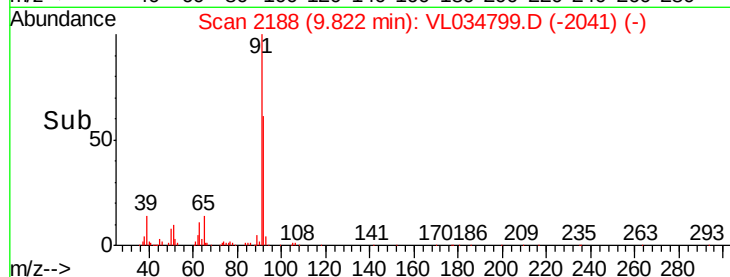
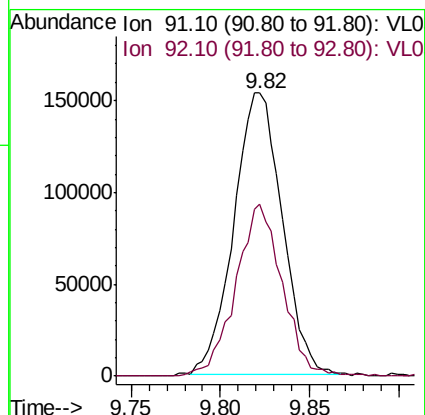
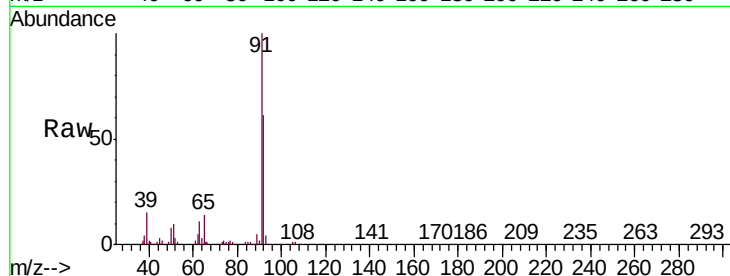
IA-5-4DL2

Tgt Ion: 91 Resp: 288826

Ion Ratio Lower Upper

91 100

92 59.0 48.2 72.2



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. -0.04 min

Lab File: VL034799.D

Acq: 5 Mar 2020 17:09

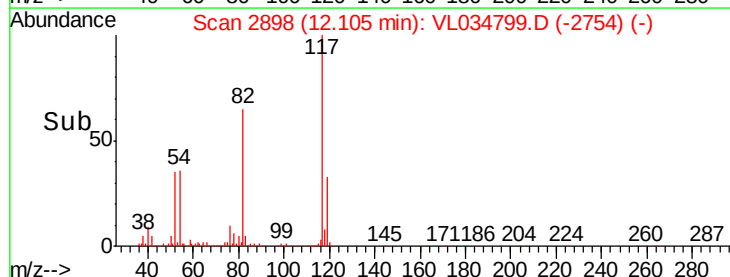
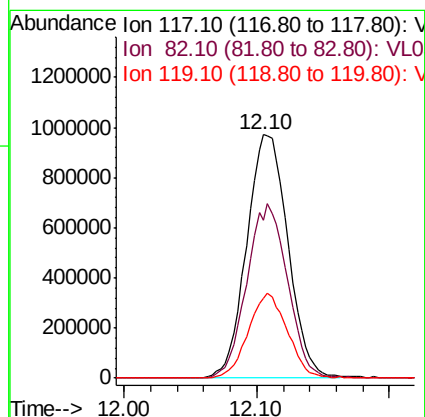
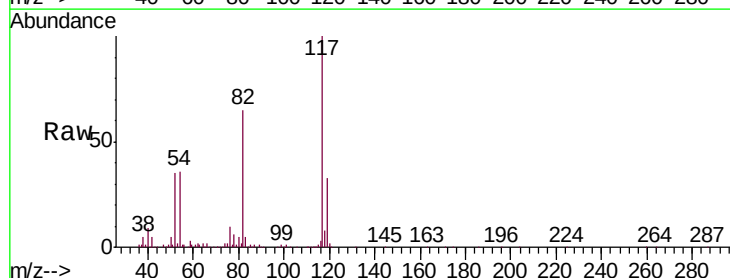
Tgt Ion: 117 Resp: 2099439

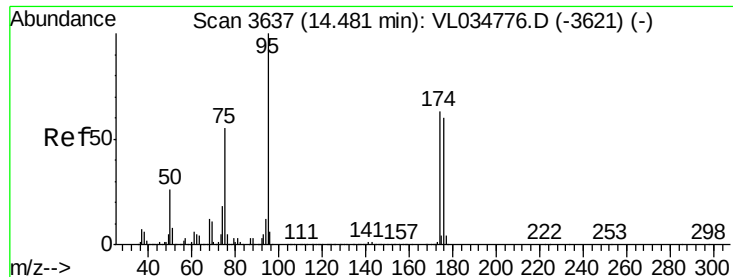
Ion Ratio Lower Upper

117 100

82 70.8 53.9 80.9

119 33.0 25.0 37.4





#68

1-Bromo-4-Fluorobenzene

Concen: 9.838 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. -0.04 min

Lab File: VL034799.D

Acq: 5 Mar 2020 17:09

Instrument :

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ClientSampleId :

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Tgt Ion: 95 Resp: 1722178

Ion Ratio Lower Upper

95 100

174 63.9 50.6 76.0

175 4.7 3.8 5.6

