

Data File : VL034026.D
Acq On : 11 Jul 2019 20:42
Operator : SY/AP
Sample : K3747-02DL2 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SVS-2DL2

Quant Time: Jul 12 07:02:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 02 19:31:31 2019
QLast Update : Tue Jul 02 19:31:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.72	49	1034087	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.25	114	2683423	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.19	117	2608147	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.53	95	2059467	9.26	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.60%

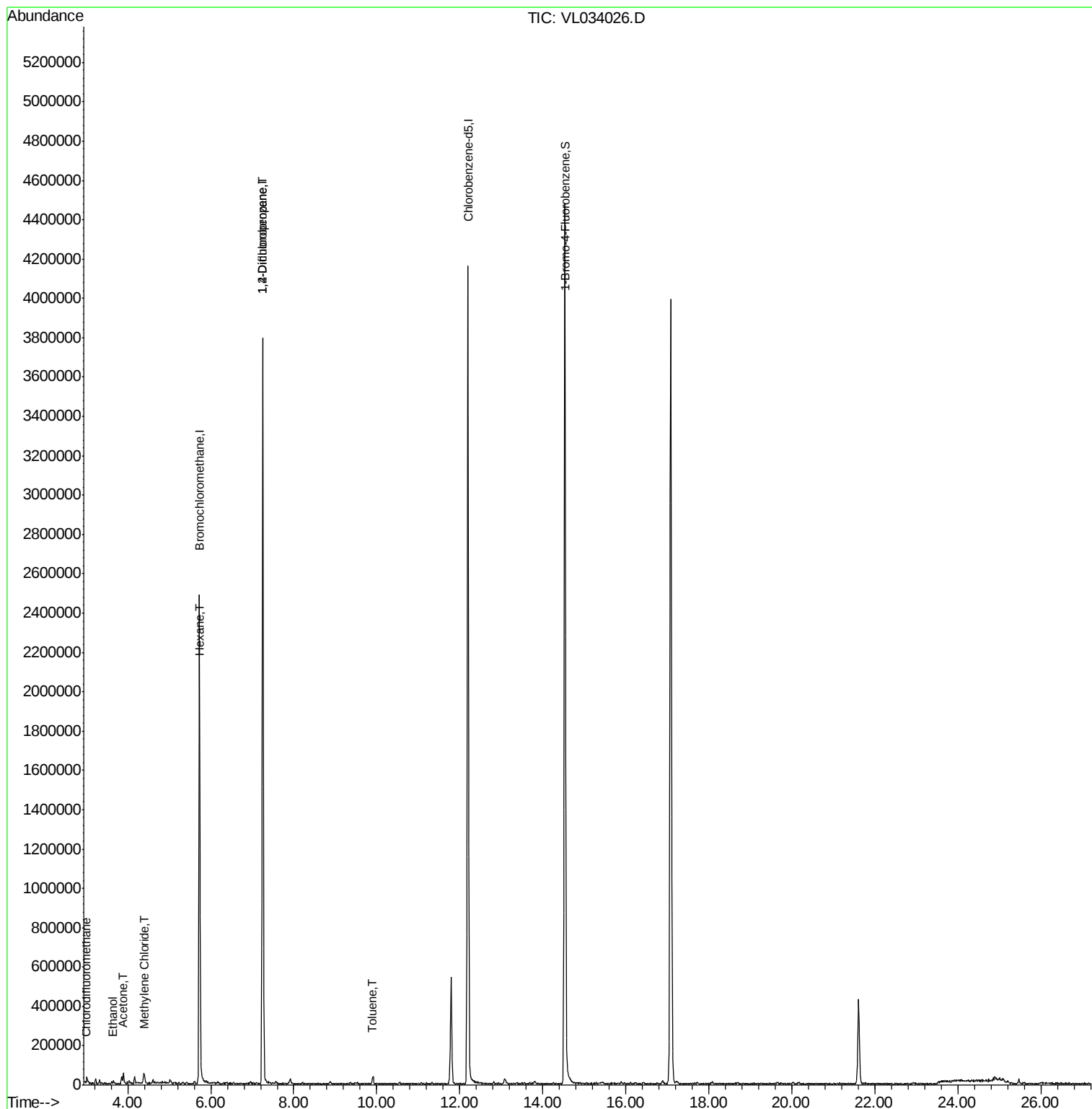
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.99	51	4580	0.036	ppbv	94
13) Ethanol	3.63	45	553	0.038	ppbv #	35
15) Acetone	3.89	43	49119	0.283	ppbv #	89
20) Methylene Chloride	4.38	84	5945	0.078	ppbv #	69
26) Hexane	5.74	57	3503	0.032	ppbv #	51
39) 1,2-Dichloropropane	7.25	63	654740	8.386	ppbv #	23
53) Toluene	9.90	91	12454	0.052	ppbv #	21

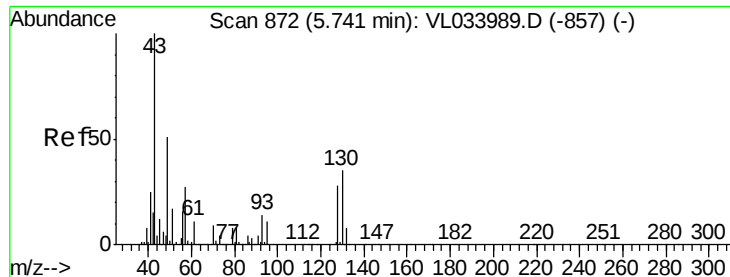
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.72 min Scan# 867

Delta R.T. -0.02 min

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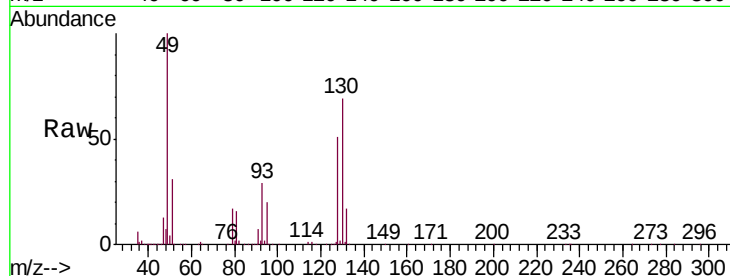
Tgt Ion: 49 Resp: 1034087

Ion Ratio Lower Upper

49 100

128 55.9 27.9 83.6

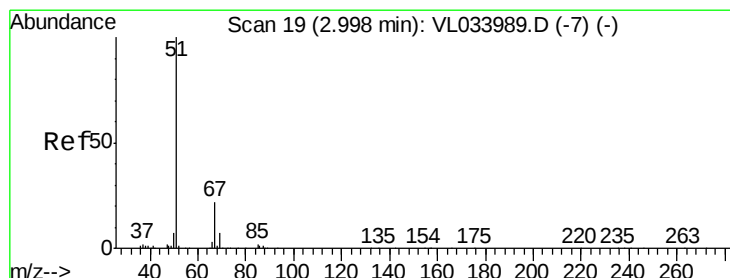
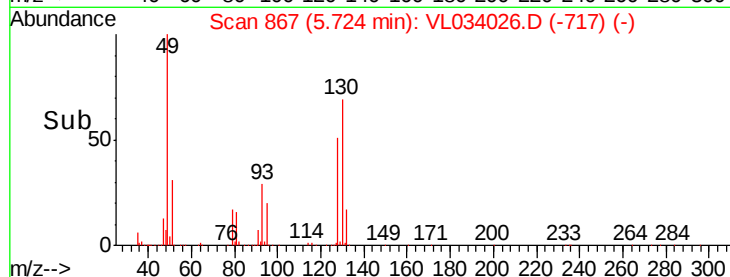
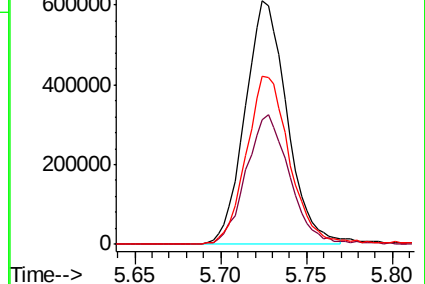
130 71.9 35.8 107.4



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



#3

Chlorodifluoromethane

Concen: 0.036 ppbv

RT: 2.99 min Scan# 18

Delta R.T. -0.00 min

Lab File: VL034026.D

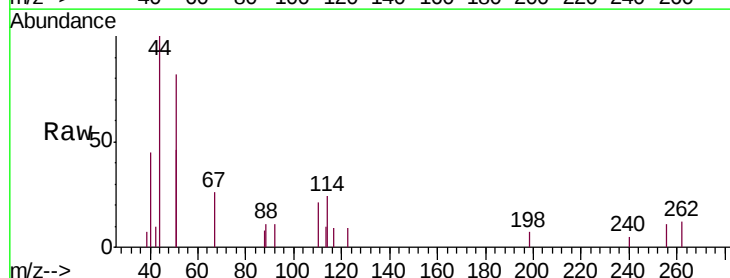
Acq: 11 Jul 2019 20:42

Tgt Ion: 51 Resp: 4580

Ion Ratio Lower Upper

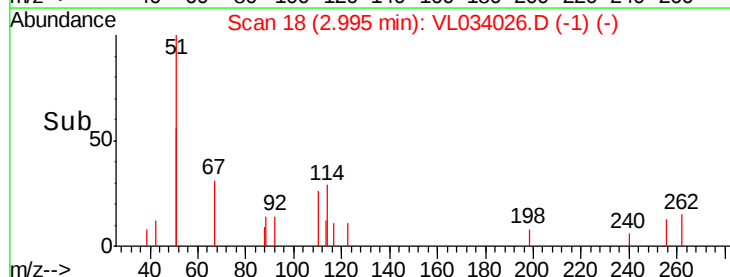
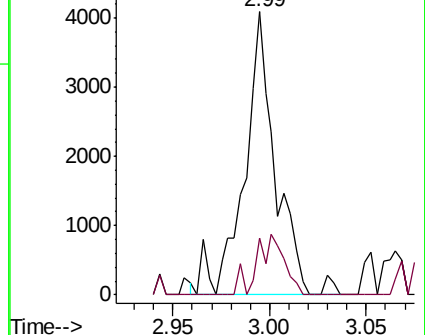
51 100

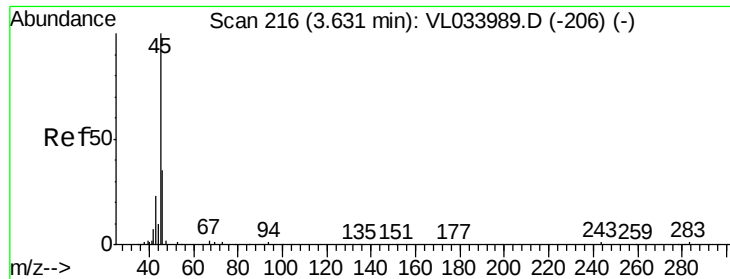
67 18.9 17.3 25.9



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#13

Ethanol

Concen: 0.038 ppbv

RT: 3.63 min Scan# 216

Delta R.T. -0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

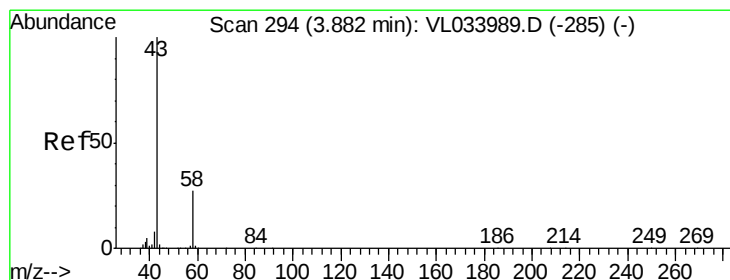
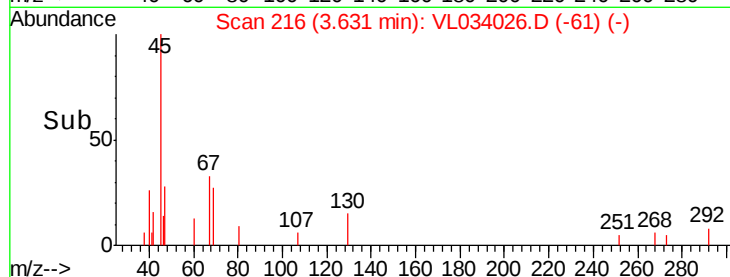
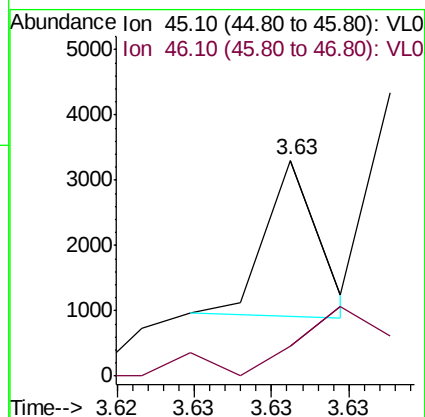
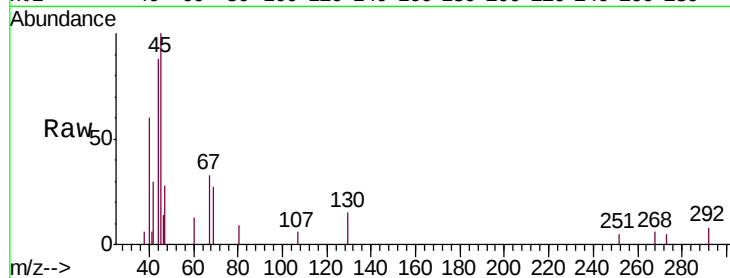
SVS-2DL2

Tgt Ion: 45 Resp: 553

Ion Ratio Lower Upper

45 100

46 0.0 16.2 64.6#



#15

Acetone

Concen: 0.283 ppbv

RT: 3.89 min Scan# 296

Delta R.T. 0.01 min

Lab File: VL034026.D

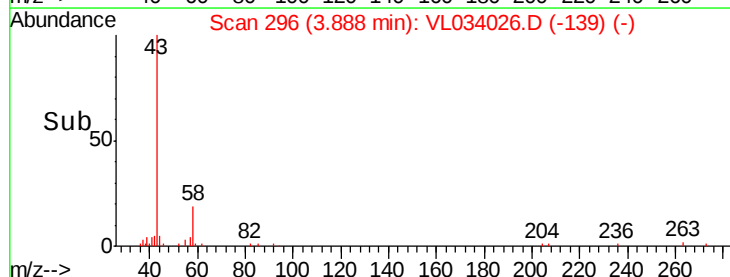
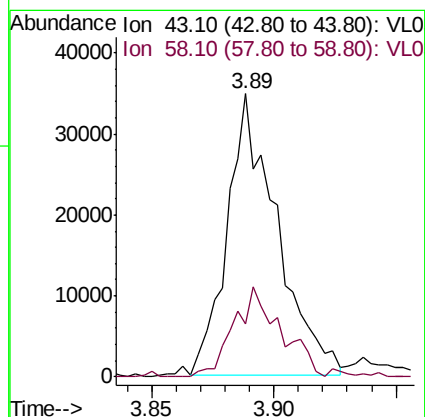
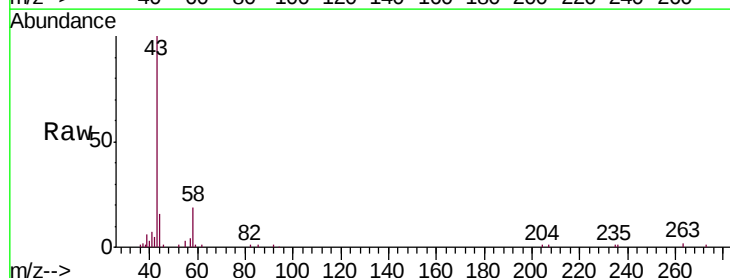
Acq: 11 Jul 2019 20:42

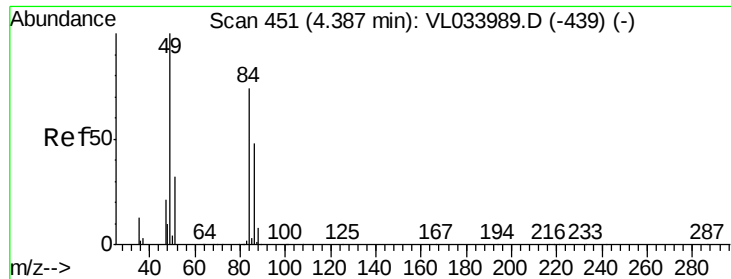
Tgt Ion: 43 Resp: 49119

Ion Ratio Lower Upper

43 100

58 32.5 21.4 32.0#

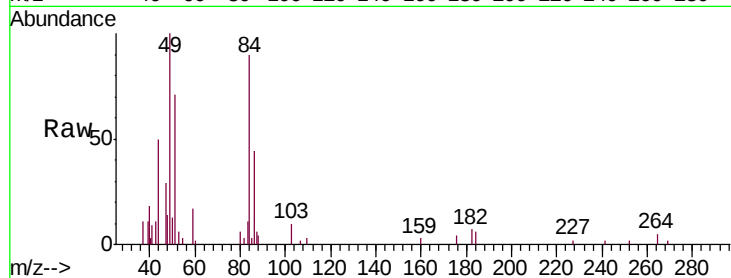




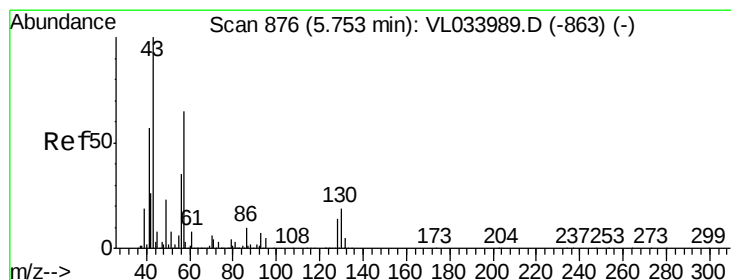
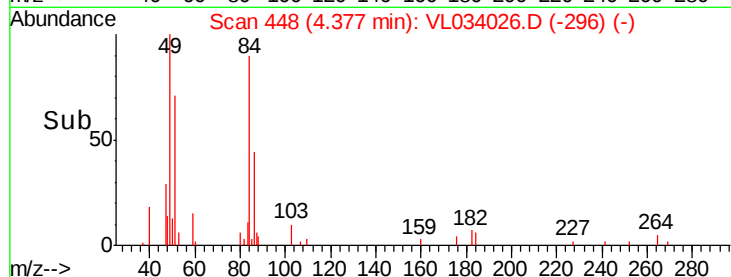
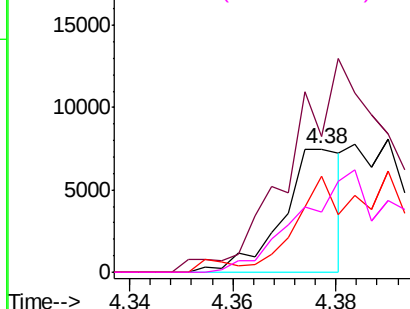
#20
Methylene Chloride
Concen: 0.078 ppbv
RT: 4.38 min Scan# 448
Delta R.T. -0.01 min
Lab File: VL034026.D
Acq: 11 Jul 2019 20:42

Instrument :
MSVOA_L
ClientSampleId :
SVS-2DL2

Tgt Ion:	84	Resp:	5945
Ion	Ratio	Lower	Upper
84	100		
49	100.6	107.6	161.4#
51	78.3	35.0	52.6#
86	49.1	52.1	78.1#

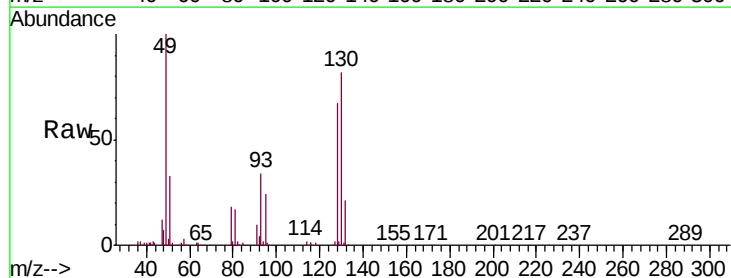


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

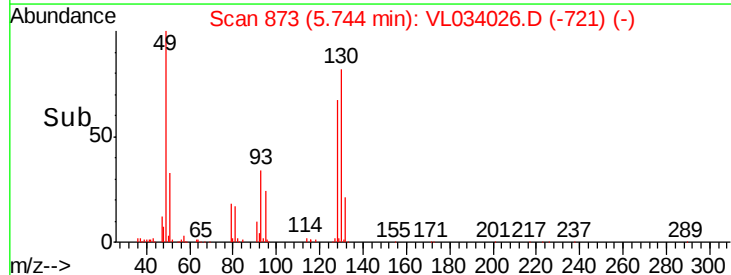
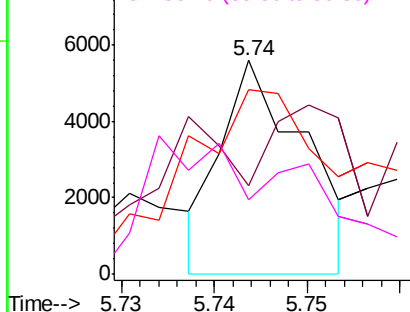


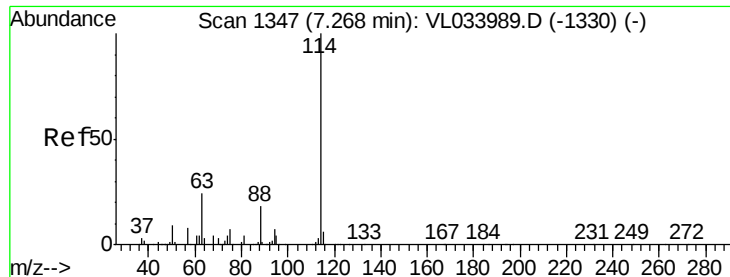
#26
Hexane
Concen: 0.032 ppbv
RT: 5.74 min Scan# 873
Delta R.T. -0.01 min
Lab File: VL034026.D
Acq: 11 Jul 2019 20:42

Tgt Ion:	57	Resp:	3503
Ion	Ratio	Lower	Upper
57	100		
41	219.4	70.6	105.8#
43	233.1	177.6	266.4
56	0.0	42.6	64.0#



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

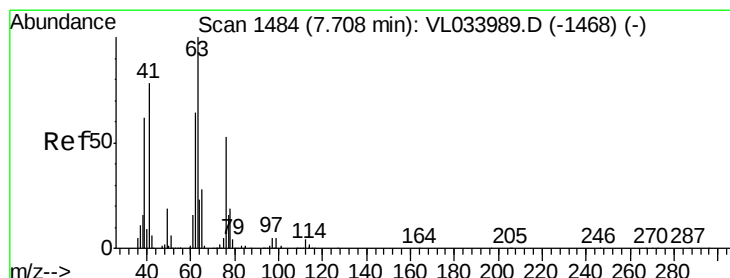
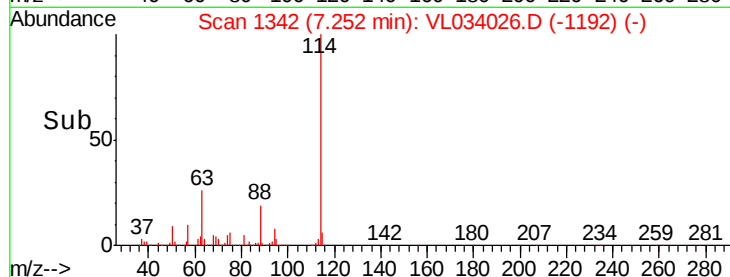
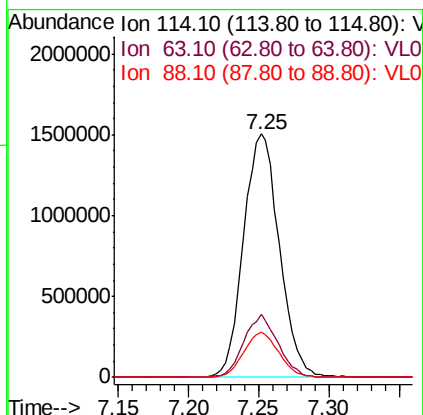
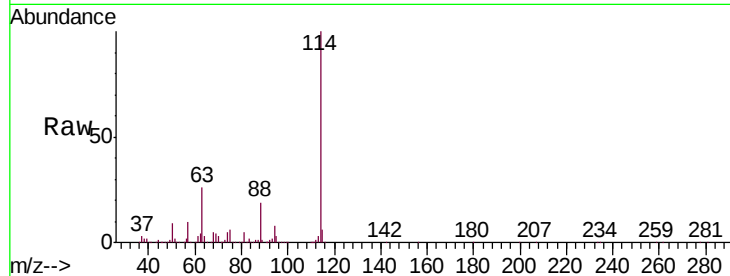




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.25 min Scan# 1342
 Delta R.T. -0.02 min
 Lab File: VL034026.D
 Acq: 11 Jul 2019 20:42

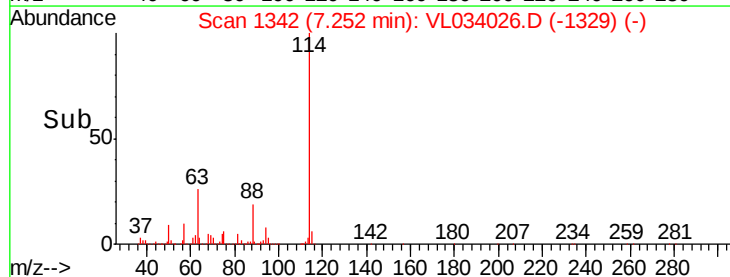
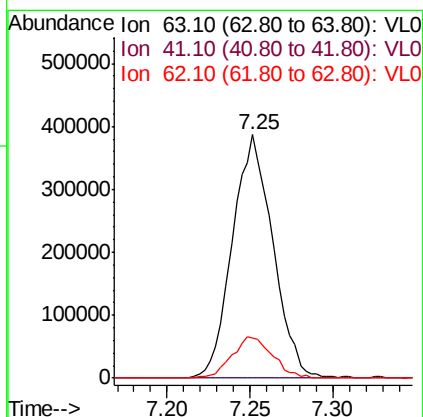
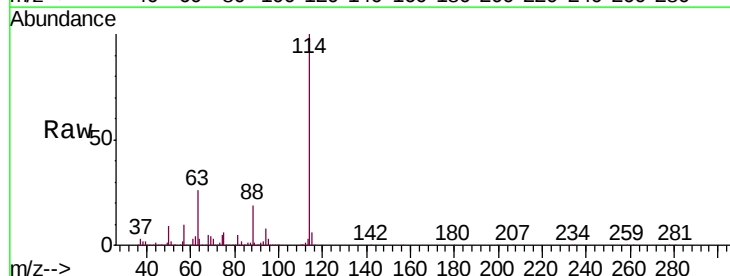
Instrument :
 MSVOA_L
 ClientSampleId :
 SVS-2DL2

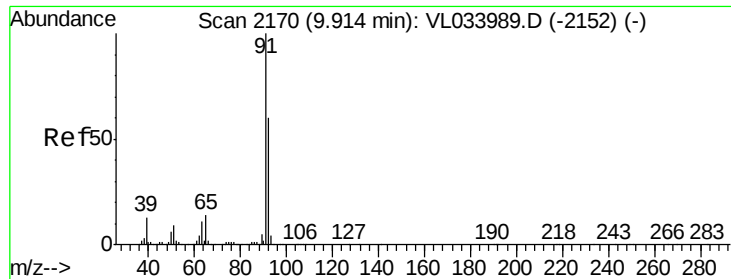
Tgt Ion: 114 Resp: 2683423
 Ion Ratio Lower Upper
 114 100
 63 24.6 20.2 30.2
 88 18.3 14.1 21.1



#39
 1,2-Dichloropropane
 Concen: 8.386 ppbv
 RT: 7.25 min Scan# 1342
 Delta R.T. -0.46 min
 Lab File: VL034026.D
 Acq: 11 Jul 2019 20:42

Tgt Ion: 63 Resp: 654740
 Ion Ratio Lower Upper
 63 100
 41 0.1 62.3 93.5#
 62 16.3 51.4 77.2#





#53

Toluene

Concen: 0.052 ppbv

RT: 9.90 min Scan# 2165

Delta R.T. -0.02 min

Lab File: VL034026.D

Acq: 11 Jul 2019 20:42

Instrument :

MSVOA_L

ClientSampleId :

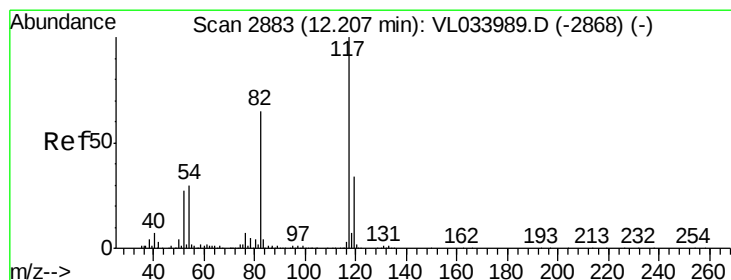
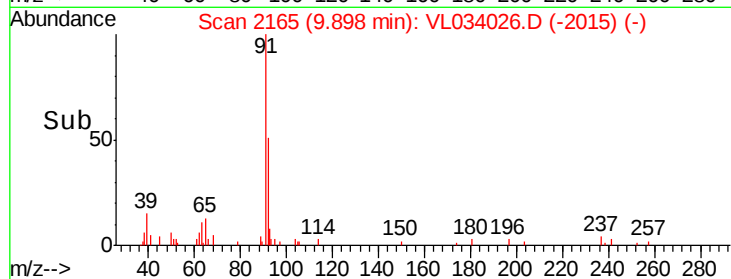
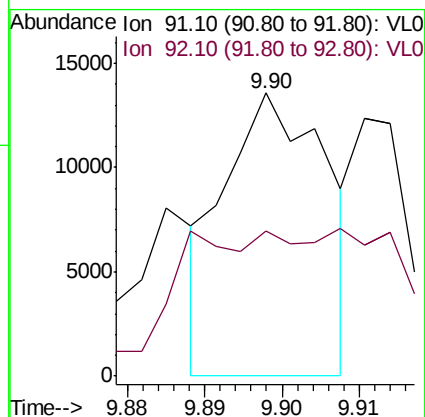
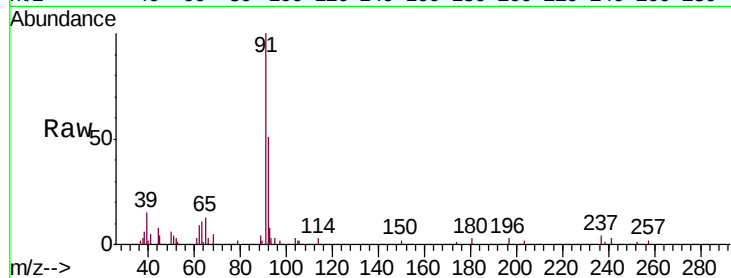
SVS-2DL2

Tgt Ion: 91 Resp: 12454

Ion Ratio Lower Upper

91 100

92 0.0 47.7 71.5#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.19 min Scan# 2879

Delta R.T. -0.01 min

Lab File: VL034026.D

Acq: 11 Jul 2019 20:42

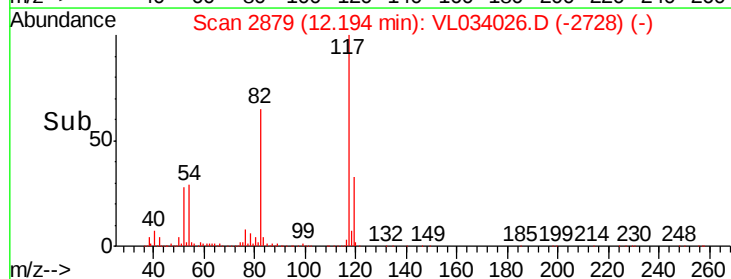
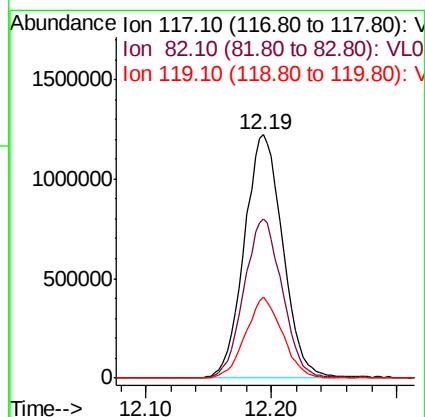
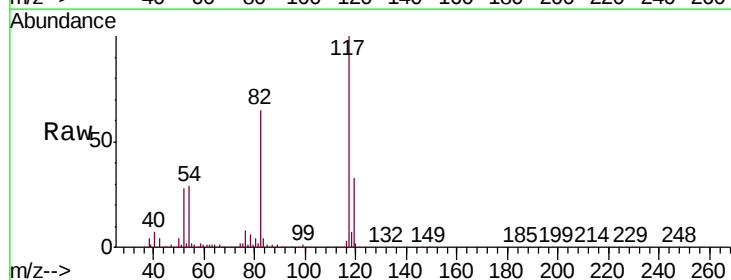
Tgt Ion: 117 Resp: 2608147

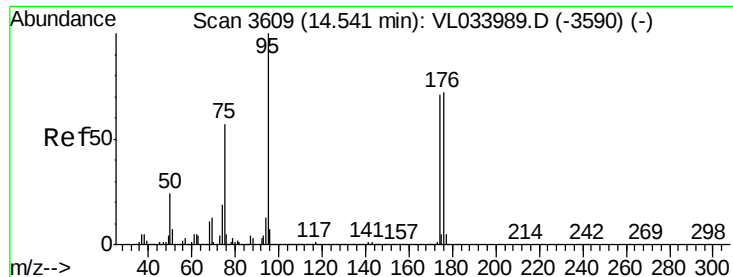
Ion Ratio Lower Upper

117 100

82 65.4 50.8 76.2

119 32.1 24.0 36.0





#68

1-Bromo-4-Fluorobenzene

Concen: 9.258 ppbv

RT: 14.53 min Scan# 3606

Delta R.T. -0.01 min

Lab File: VL034026.D

Acq: 11 Jul 2019 20:42

Instrument :

MSVOA_L

ClientSampleId :

SVS-2DL2

Tgt Ion: 95 Resp: 2059467

Ion Ratio Lower Upper

95 100

174 73.6 60.5 90.7

175 5.2 4.0 6.0

