

Data File : VL034353.D
Acq On : 24 Oct 2019 19:28
Operator : SY/AP
Sample : K5516-01DL 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

Quant Time: Oct 25 01:35:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 17 05:12:37 2019
QLast Update : Thu Oct 17 05:12:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	984541	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.20	114	2147063	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.14	117	2091532	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1707211	9.64	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.40%

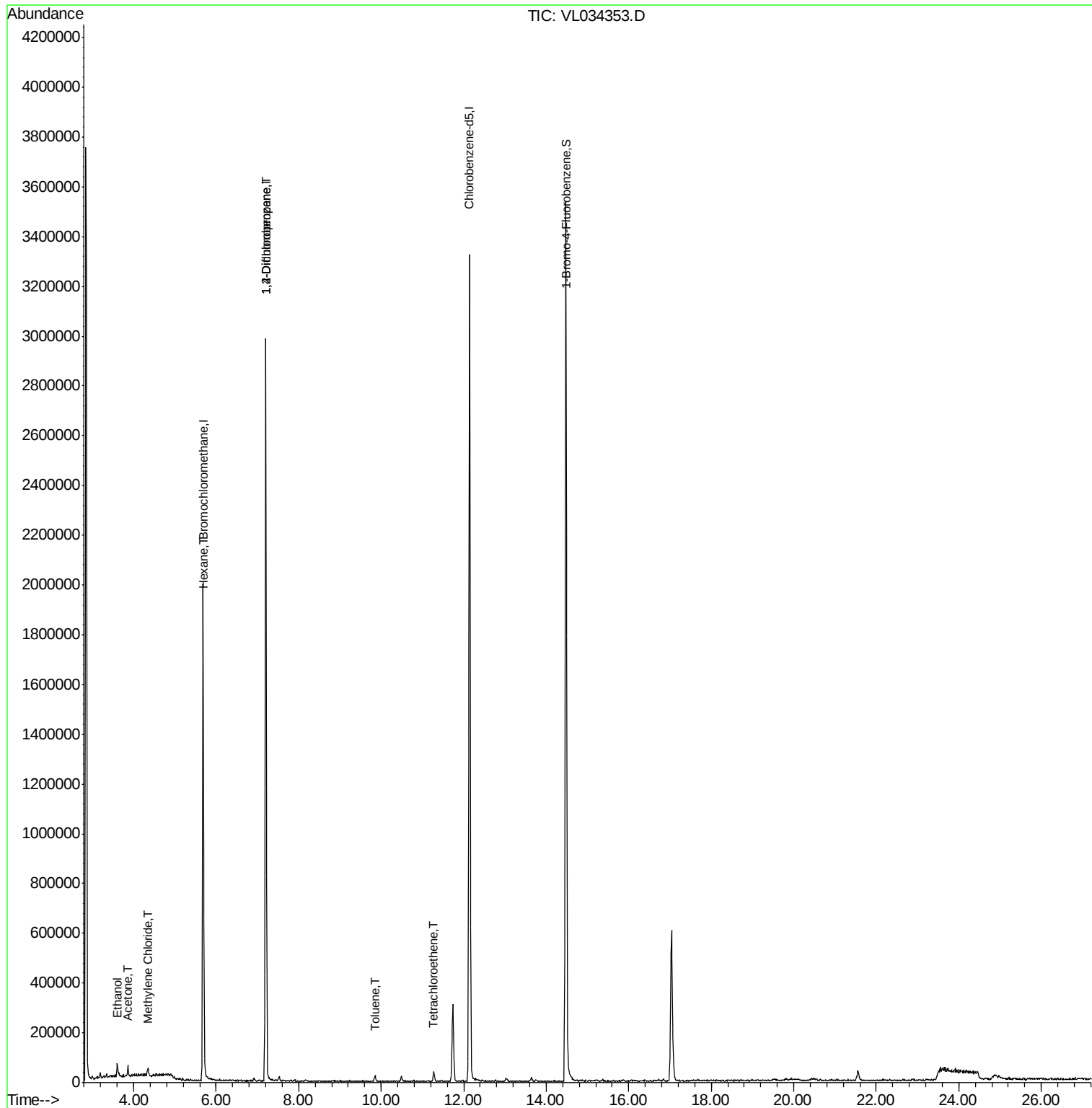
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.60	45	21025	1.836	ppbv #	36
15) Acetone	3.86	43	27109	0.193	ppbv #	90
20) Methylene Chloride	4.34	84	8845	0.174	ppbv #	83
26) Hexane	5.70	57	3910	0.039	ppbv #	1
39) 1,2-Dichloropropane	7.20	63	571766	6.446	ppbv #	21
52) Tetrachloroethene	11.26	164	2637	0.033	ppbv #	64
53) Toluene	9.84	91	8006	0.035	ppbv #	20

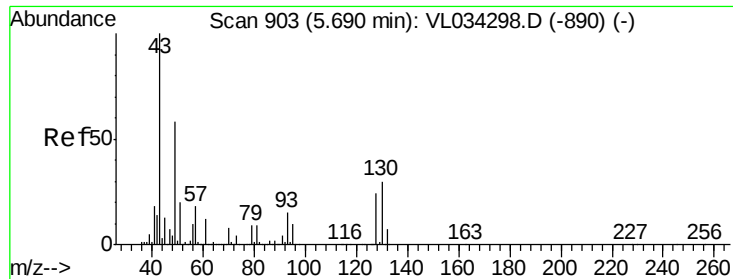
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.01 min

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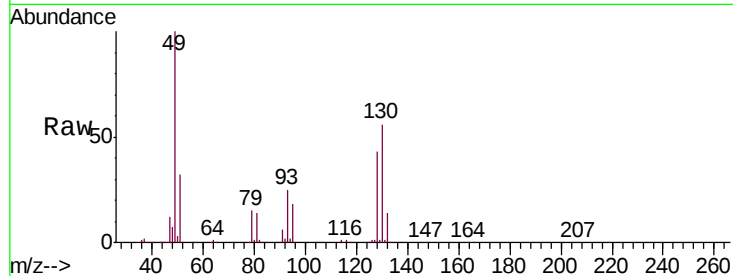
Tgt Ion: 49 Resp: 984541

Ion Ratio Lower Upper

49 100

128 44.8 20.6 61.8

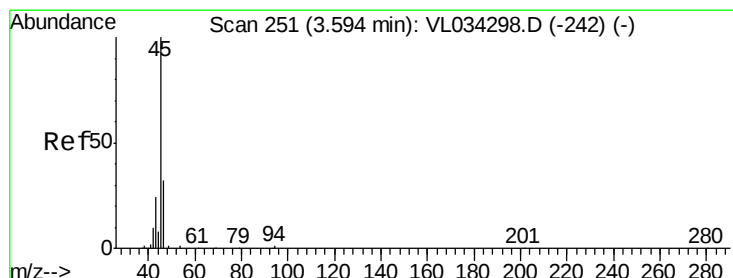
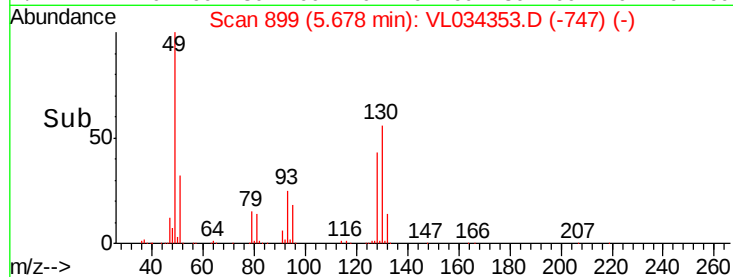
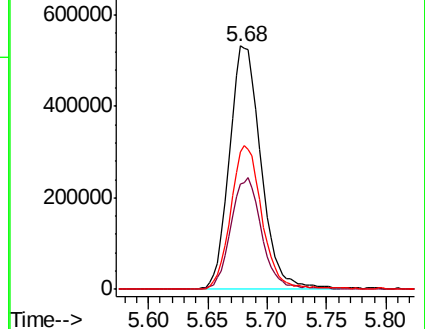
130 58.5 26.2 78.5



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



#13

Ethanol

Concen: 1.836 ppbv

RT: 3.60 min Scan# 252

Delta R.T. 0.00 min

Lab File: VL034353.D

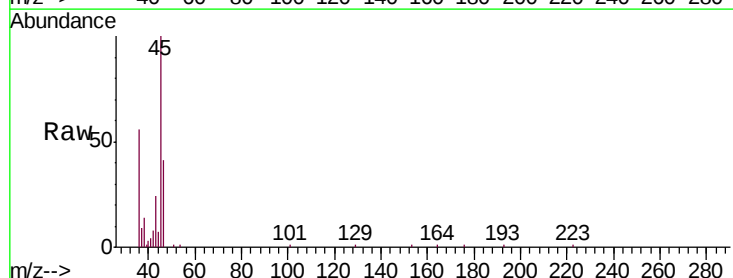
Acq: 24 Oct 2019 19:28

Tgt Ion: 45 Resp: 21025

Ion Ratio Lower Upper

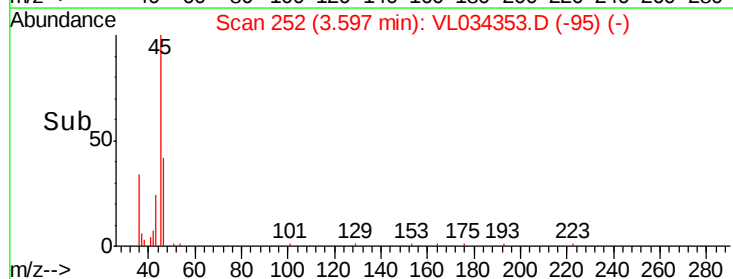
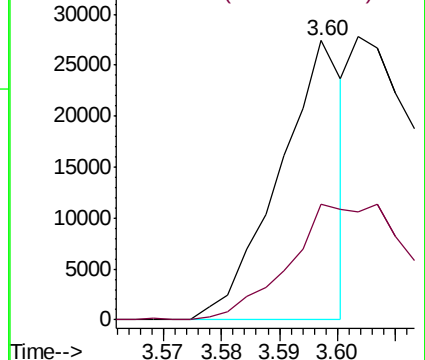
45 100

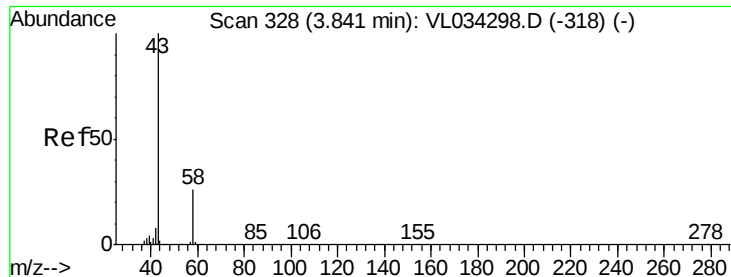
46 0.0 15.8 63.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.193 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.02 min

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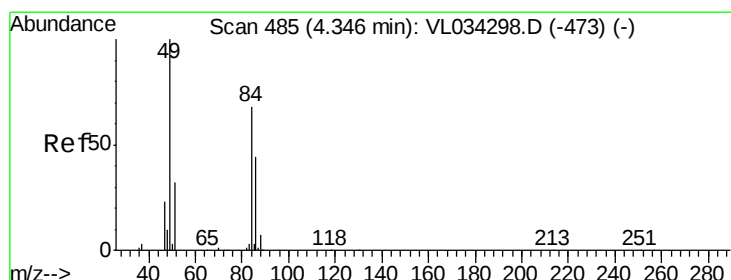
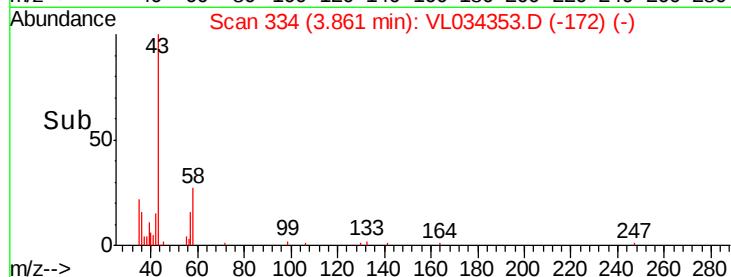
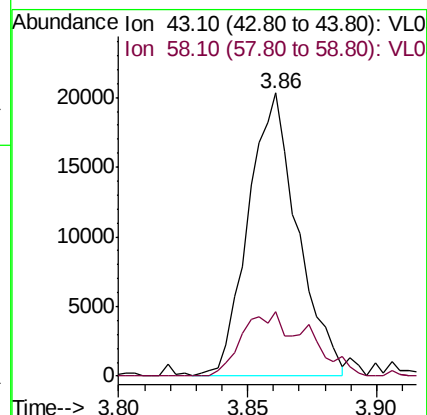
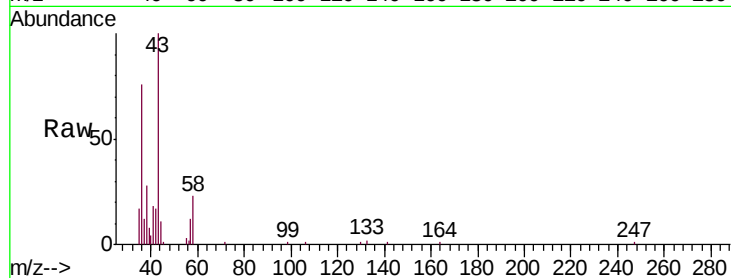
SV-2DL

Tgt Ion: 43 Resp: 27109

Ion Ratio Lower Upper

43 100

58 30.7 20.4 30.6#



#20

Methylene Chloride

Concen: 0.174 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.01 min

Lab File: VL034353.D

Acq: 24 Oct 2019 19:28

Tgt Ion: 84 Resp: 8845

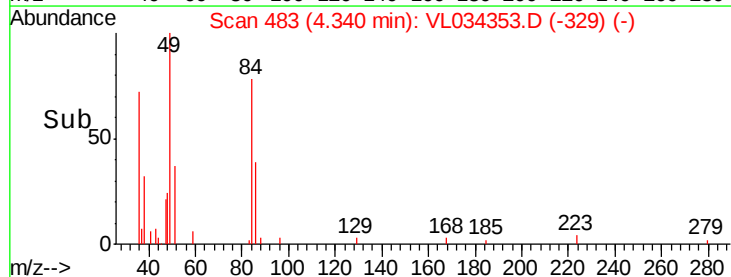
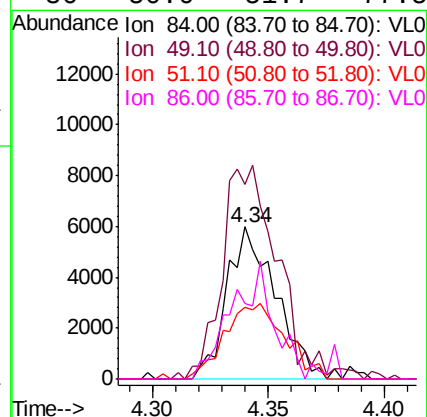
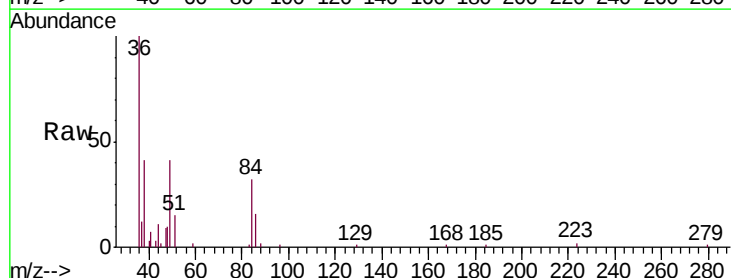
Ion Ratio Lower Upper

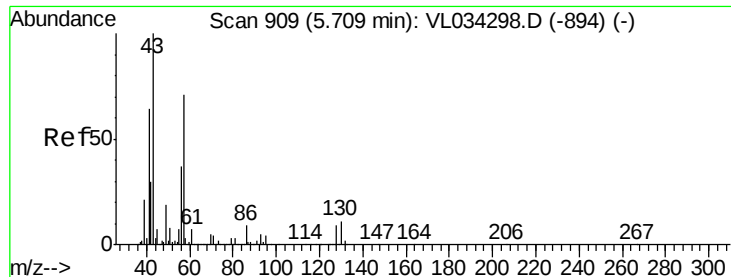
84 100

49 121.3 118.5 177.7

51 47.1 38.8 58.2

86 50.0 51.7 77.5#

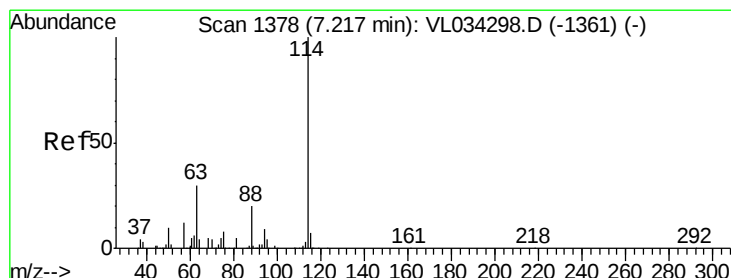
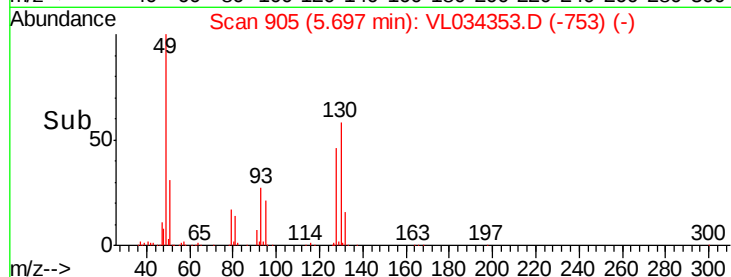
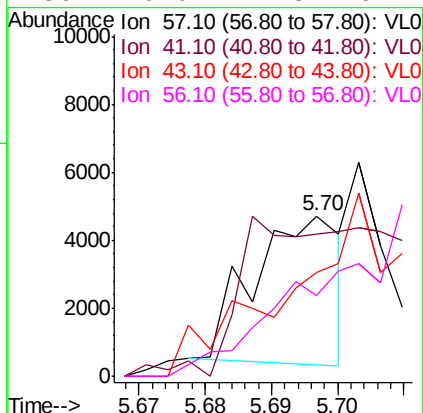
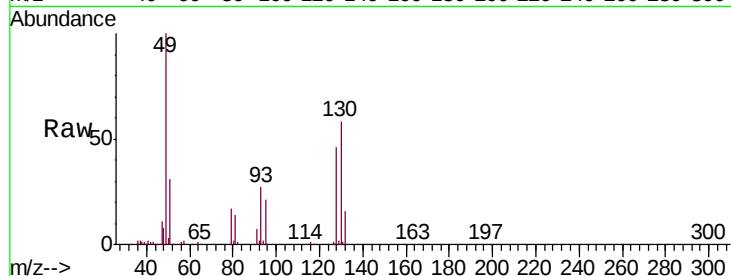




#26
Hexane
Concen: 0.039 ppbv
RT: 5.70 min Scan# 905
Delta R.T. -0.01 min
Lab File: VL034353.D
Acq: 24 Oct 2019 19:28

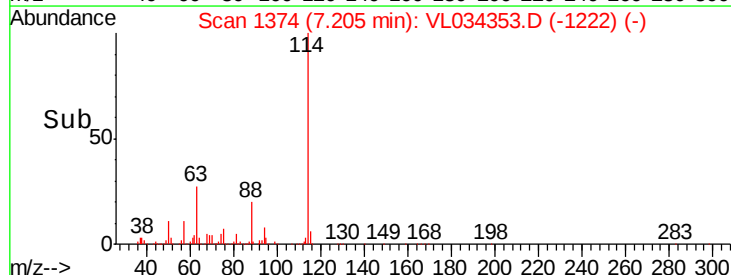
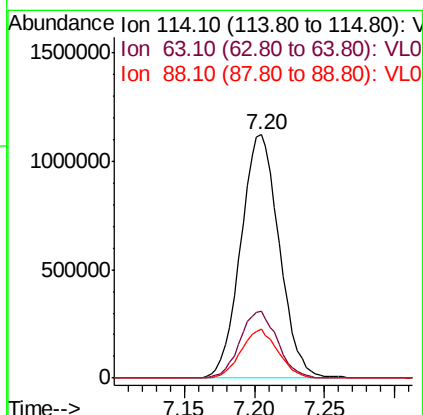
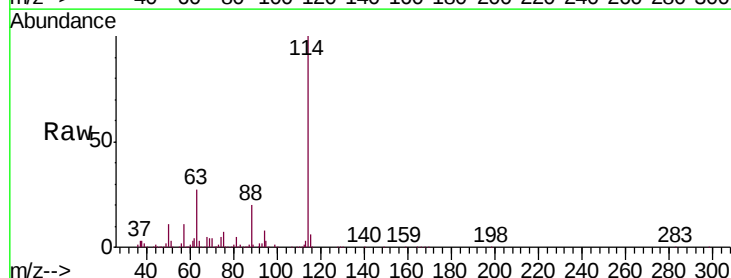
Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

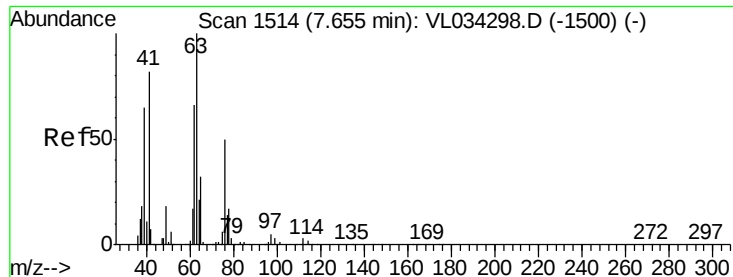
Tgt Ion:	57	Resp:	3910
Ion	Ratio	Lower	Upper
57	100		
41	231.4	76.5	114.7#
43	0.0	188.5	282.7#
56	0.0	42.8	64.2#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1374
Delta R.T. -0.01 min
Lab File: VL034353.D
Acq: 24 Oct 2019 19:28

Tgt Ion:	114	Resp:	2147063
Ion	Ratio	Lower	Upper
114	100		
63	26.8	25.2	37.8
88	19.4	16.0	24.0

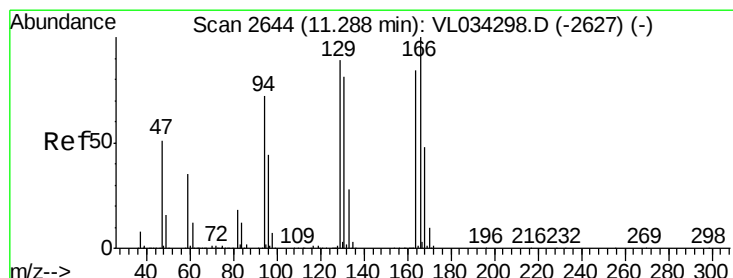
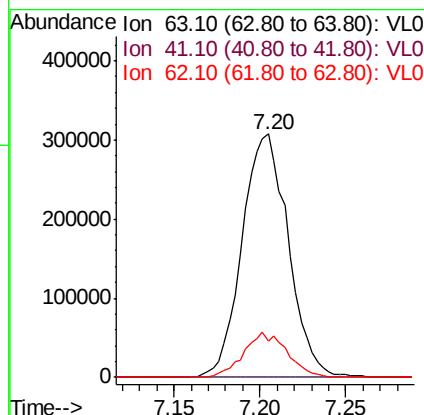
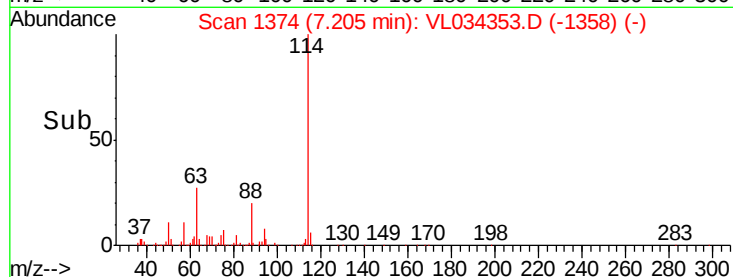
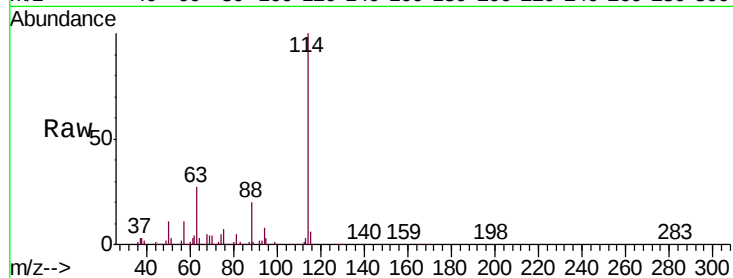




#39
 1,2-Dichloropropane
 Concen: 6.446 ppbv
 RT: 7.20 min Scan# 1374
 Delta R.T. -0.45 min
 Lab File: VL034353.D
 Acq: 24 Oct 2019 19:28

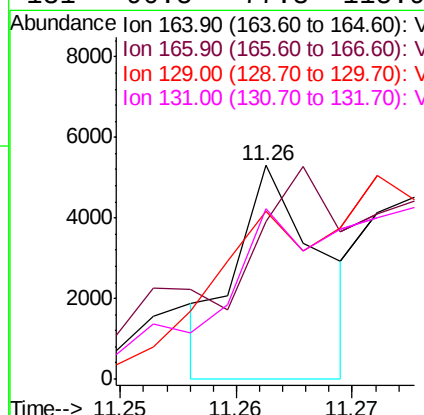
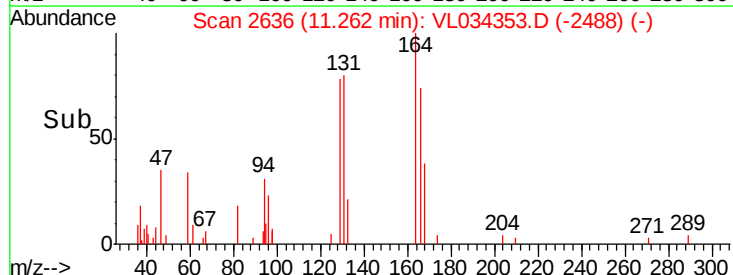
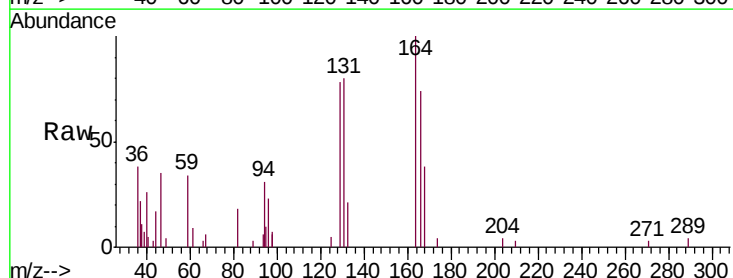
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-2DL

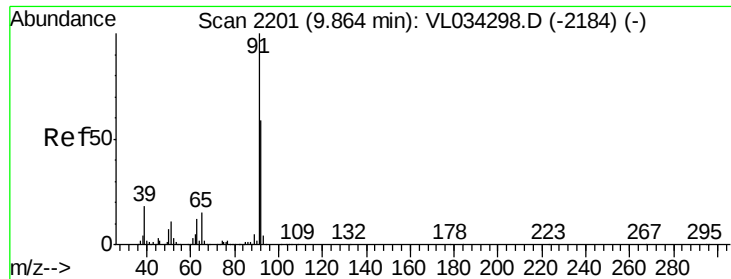
Tgt Ion: 63 Resp: 571766
 Ion Ratio Lower Upper
 63 100
 41 0.0 65.6 98.4#
 62 15.0 53.0 79.6#



#52
 Tetrachloroethene
 Concen: 0.033 ppbv
 RT: 11.26 min Scan# 2636
 Delta R.T. -0.03 min
 Lab File: VL034353.D
 Acq: 24 Oct 2019 19:28

Tgt Ion: 164 Resp: 2637
 Ion Ratio Lower Upper
 164 100
 166 48.9 95.3 142.9#
 129 71.8 84.5 126.7#
 131 90.5 77.3 115.9





#53

Toluene

Concen: 0.035 ppbv

RT: 9.84 min Scan# 2195

Delta R.T. -0.02 min

Lab File: VL034353.D

Acq: 24 Oct 2019 19:28

Instrument :

MSVOA_L

ClientSampleId :

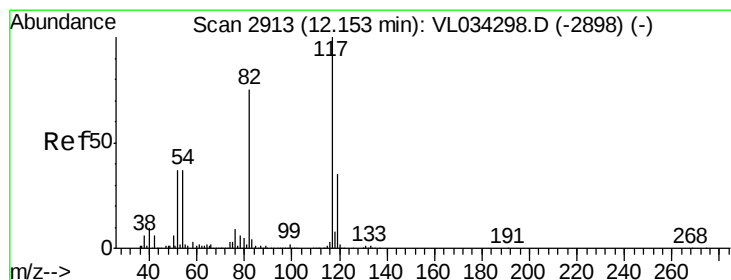
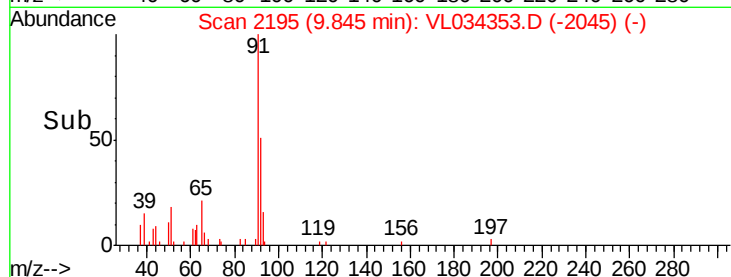
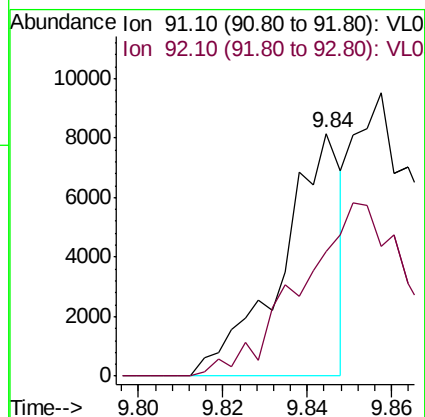
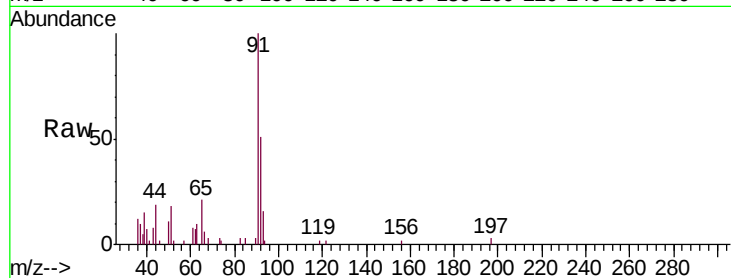
SV-2DL

Tgt Ion: 91 Resp: 8006

Ion Ratio Lower Upper

91 100

92 0.0 48.4 72.6#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.14 min Scan# 2910

Delta R.T. -0.01 min

Lab File: VL034353.D

Acq: 24 Oct 2019 19:28

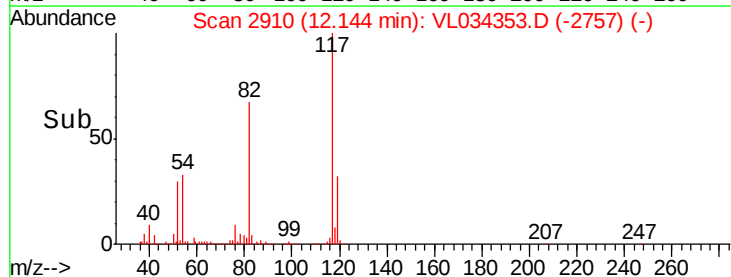
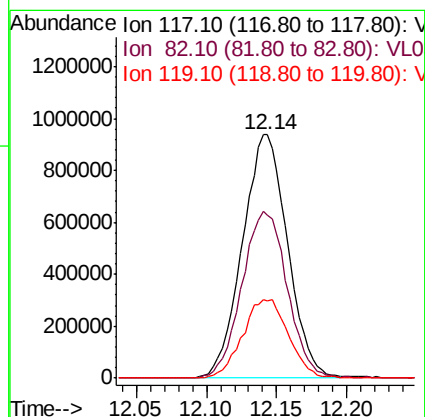
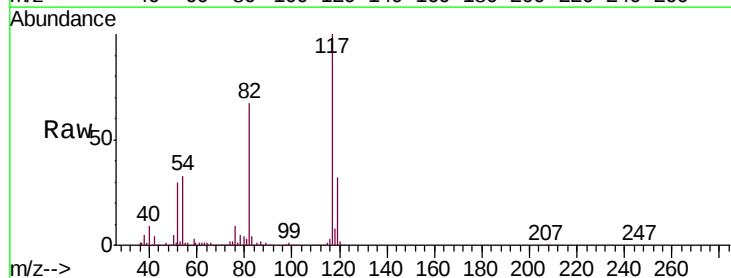
Tgt Ion: 117 Resp: 2091532

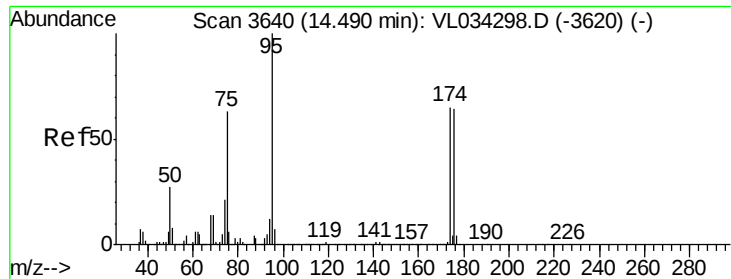
Ion Ratio Lower Upper

117 100

82 69.7 55.5 83.3

119 33.2 26.5 39.7





#68

1-Bromo-4-Fluorobenzene

Concen: 9.638 ppbv

RT: 14.48 min Scan# 3636

Delta R.T. -0.01 min

Lab File: VL034353.D

Acq: 24 Oct 2019 19:28

Instrument :

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ClientSampleId :

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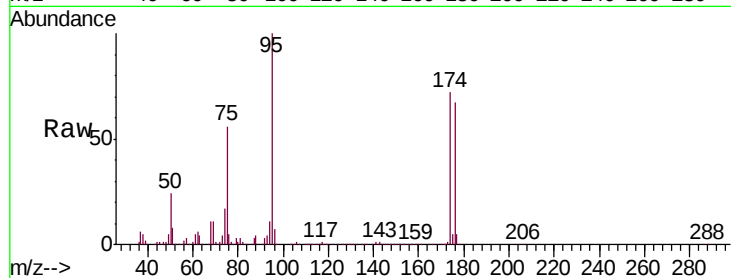
Tgt Ion: 95 Resp: 1707211

Ion Ratio Lower Upper

95 100

174 71.2 52.6 78.8

175 4.9 3.8 5.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

1000000 Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

