

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101719\
 Data File : VL034338.D
 Acq On : 18 Oct 2019 10:36
 Operator : SY/AP
 Sample : K5409-02DL2 200X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Quant Time: Oct 19 00:20:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	850519	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1721637	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	1763779	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.48	95	1456856	9.75	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.50%

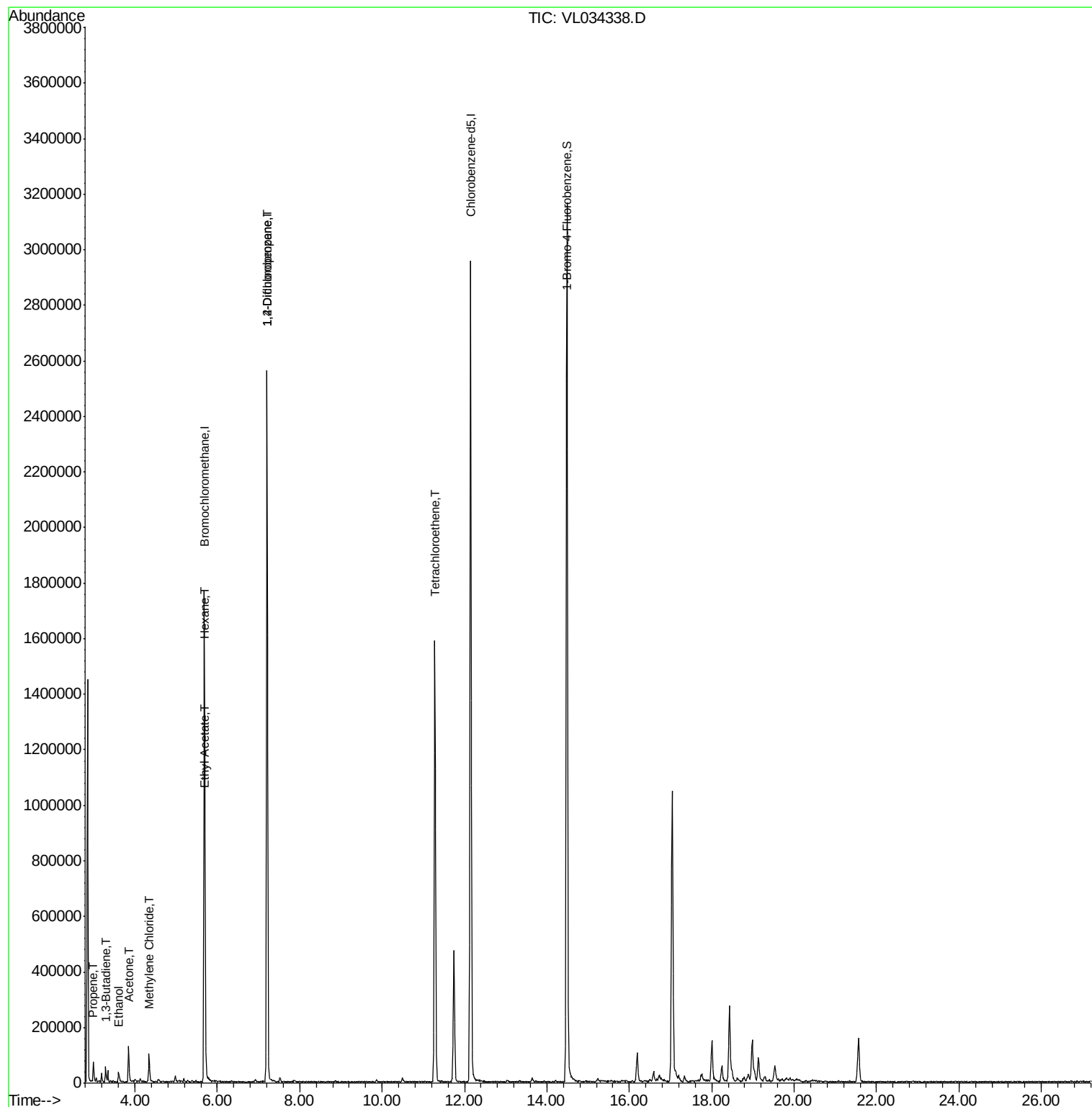
Target Compounds						Qvalue
9) Propene	2.99	41	27313	0.618	ppbv	89
13) Ethanol	3.60	45	21571	2.180	ppbv	77
15) Acetone	3.85	43	122288	1.005	ppbv	100
16) 1,3-Butadiene	3.29	39	14892	0.301	ppbv #	24
20) Methylene Chloride	4.35	84	31925	0.726	ppbv #	92
25) Ethyl Acetate	5.71	43	14802	0.072	ppbv #	76
26) Hexane	5.70	57	24233	0.277	ppbv #	38
39) 1,2-Dichloropropane	7.21	63	492979	6.931	ppbv #	22
52) Tetrachloroethene	11.28	164	378855	5.851	ppbv	96

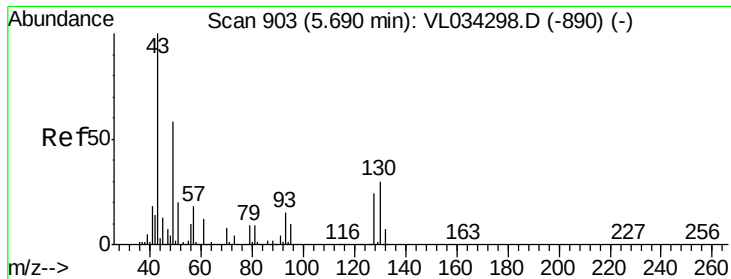
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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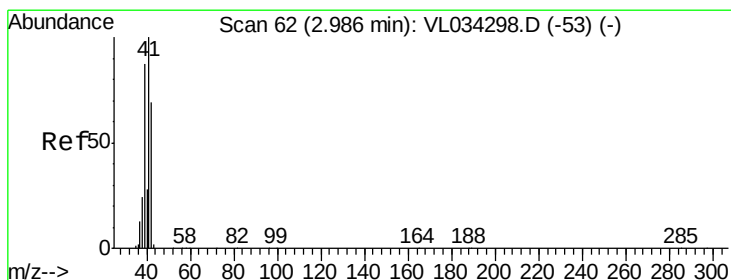
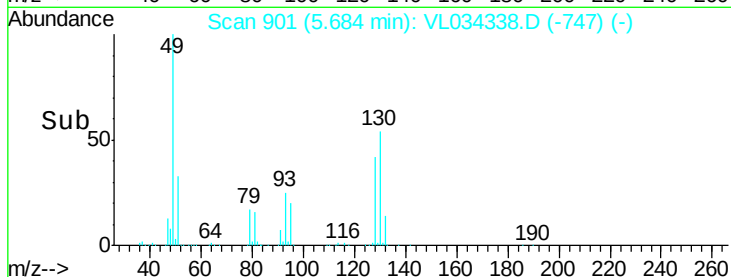
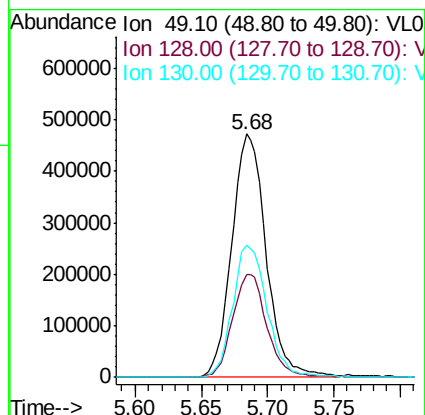
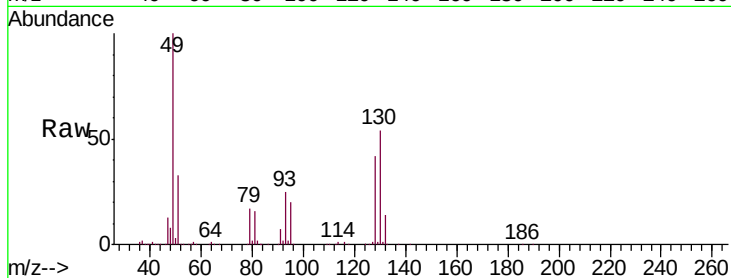




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.68 min Scan# 901
 Delta R.T. -0.01 min
 Lab File: VL034338.D
 Acq: 18 Oct 2019 10:36

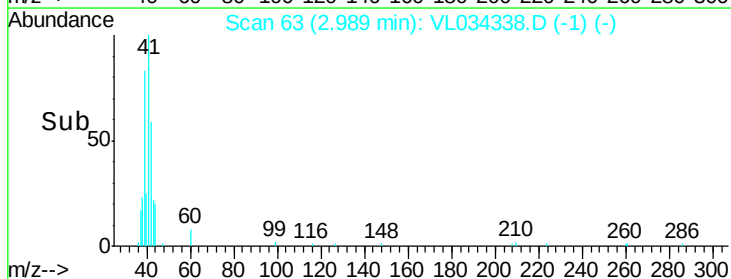
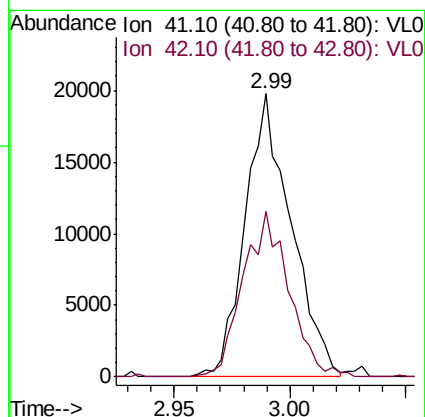
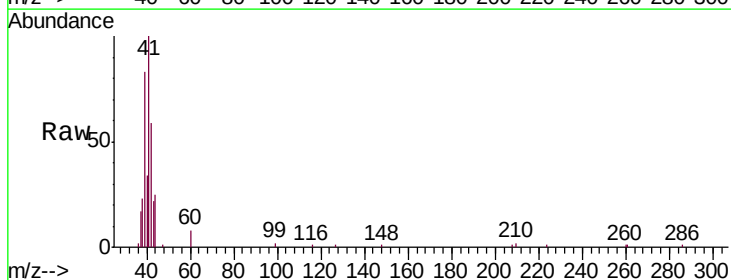
Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

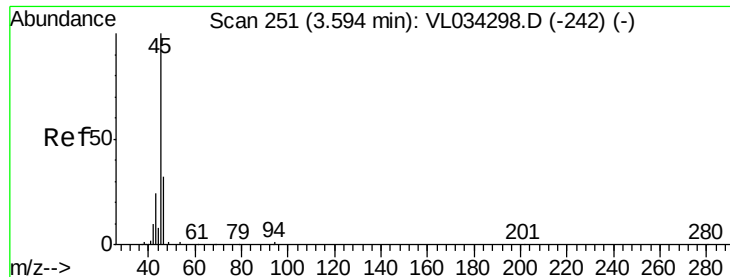
Tgt Ion: 49 Resp: 850519
 Ion Ratio Lower Upper
 49 100
 128 42.8 20.6 61.8
 130 54.7 26.2 78.5



#9
 Propene
 Concen: 0.618 ppbv
 RT: 2.99 min Scan# 63
 Delta R.T. 0.00 min
 Lab File: VL034338.D
 Acq: 18 Oct 2019 10:36

Tgt Ion: 41 Resp: 27313
 Ion Ratio Lower Upper
 41 100
 42 58.3 53.9 80.9

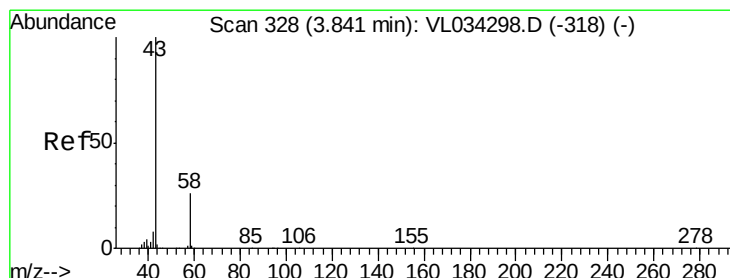
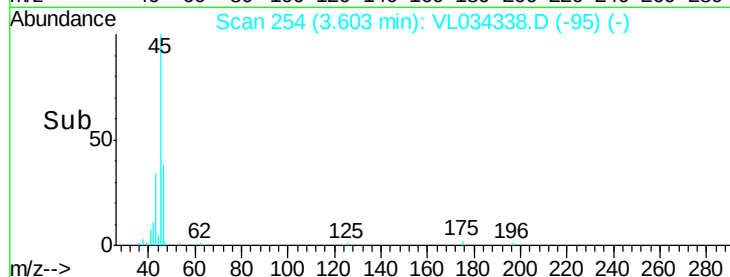
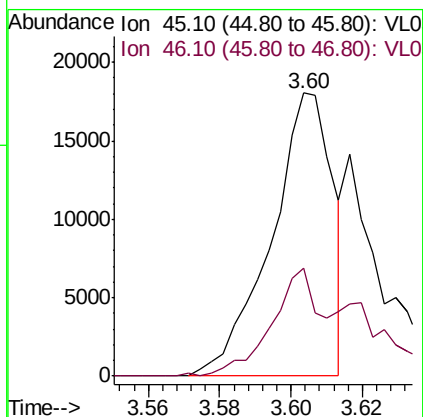
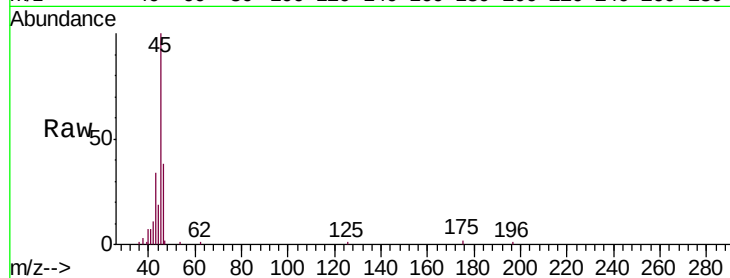




#13
Ethanol
Concen: 2.180 ppbv
RT: 3.60 min Scan# 254
Delta R.T. 0.01 min
Lab File: VL034338.D
Acq: 18 Oct 2019 10:36

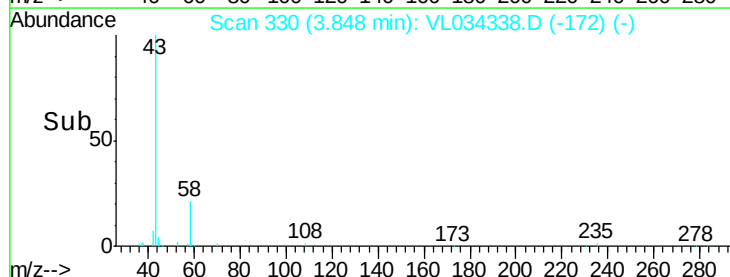
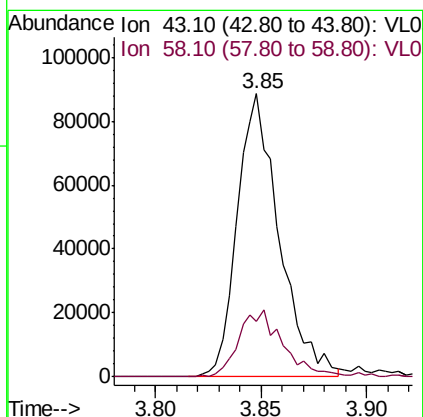
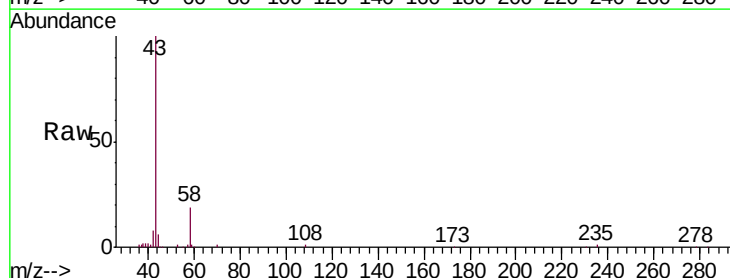
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

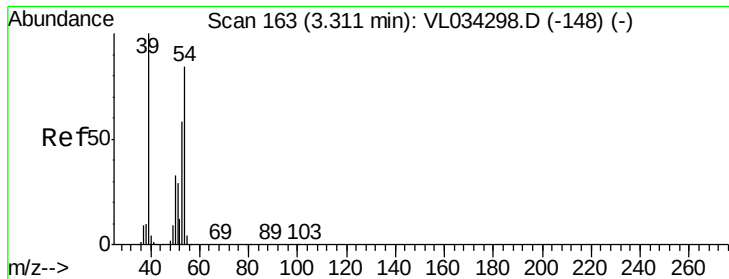
Tgt Ion: 45 Resp: 21571
Ion Ratio Lower Upper
45 100
46 53.9 15.8 63.2



#15
Acetone
Concen: 1.005 ppbv
RT: 3.85 min Scan# 330
Delta R.T. 0.01 min
Lab File: VL034338.D
Acq: 18 Oct 2019 10:36

Tgt Ion: 43 Resp: 122288
Ion Ratio Lower Upper
43 100
58 25.4 20.4 30.6

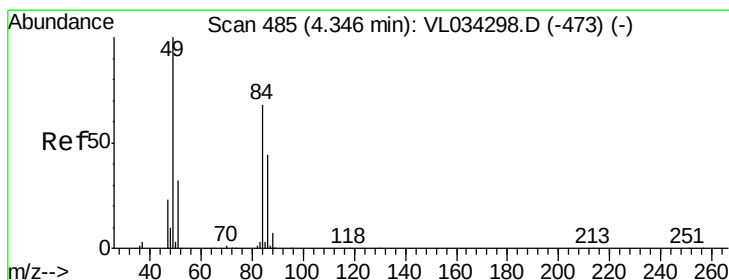
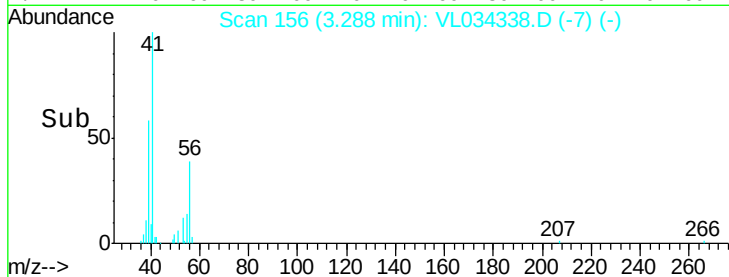
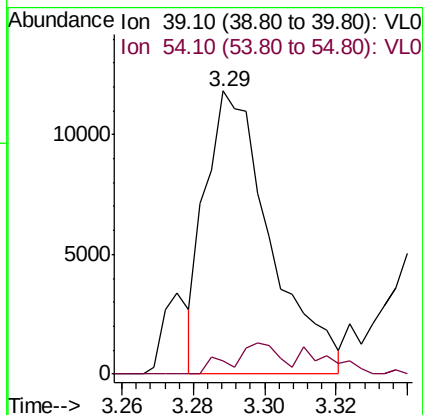
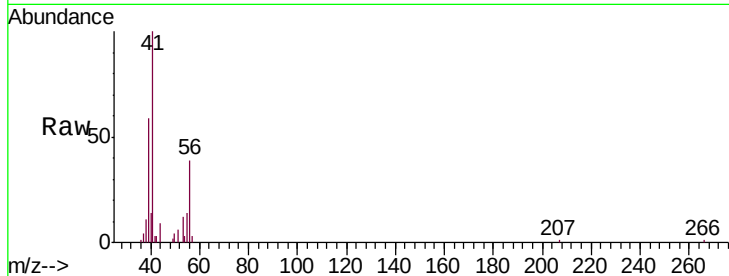




#16
 1,3-Butadiene
 Concen: 0.301 ppbv
 RT: 3.29 min Scan# 156
 Delta R.T. -0.02 min
 Lab File: VL034338.D
 Acq: 18 Oct 2019 10:36

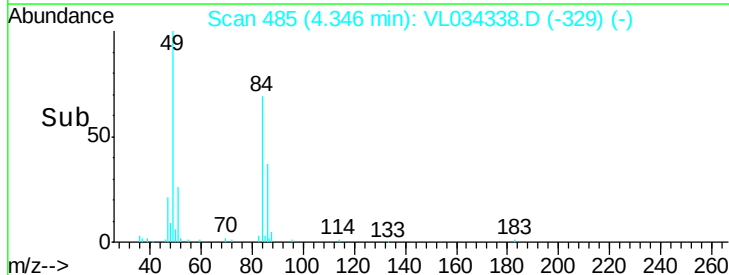
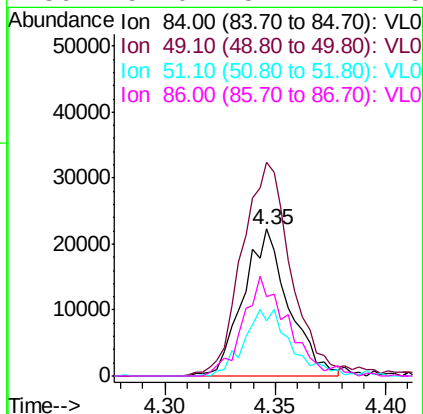
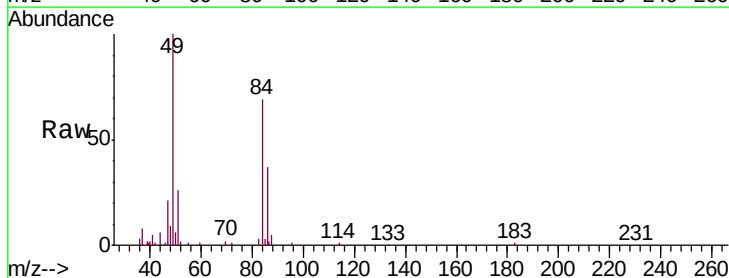
Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

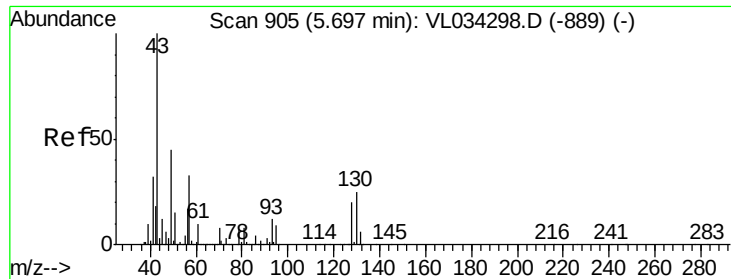
Tgt Ion: 39 Resp: 14892
 Ion Ratio Lower Upper
 39 100
 54 13.3 63.9 95.9#



#20
 Methylene Chloride
 Concen: 0.726 ppbv
 RT: 4.35 min Scan# 485
 Delta R.T. 0.00 min
 Lab File: VL034338.D
 Acq: 18 Oct 2019 10:36

Tgt Ion: 84 Resp: 31925
 Ion Ratio Lower Upper
 84 100
 49 144.8 118.5 177.7
 51 37.4 38.8 58.2#
 86 54.0 51.7 77.5

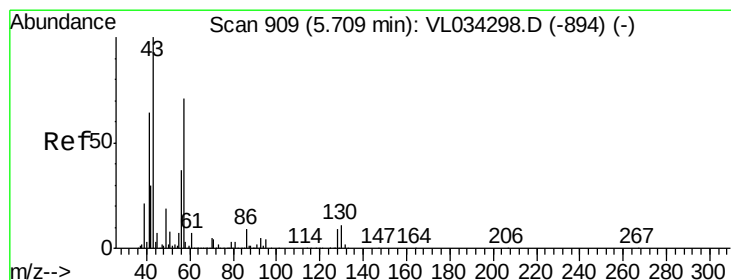
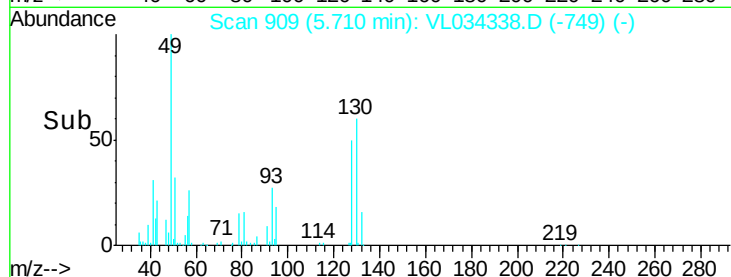
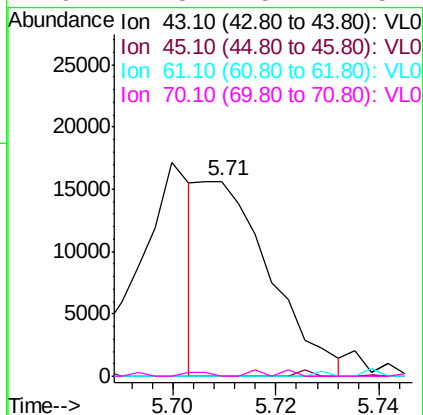
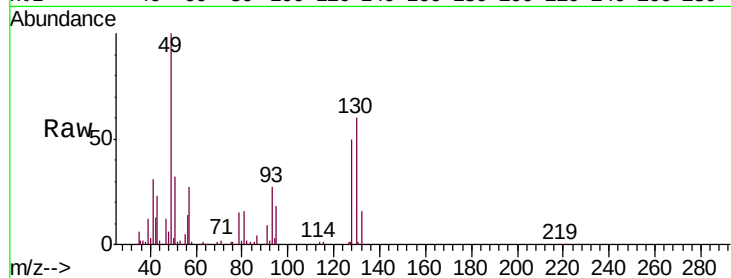




#25
Ethyl Acetate
Concen: 0.072 ppbv
RT: 5.71 min Scan# 909
Delta R.T. 0.01 min
Lab File: VL034338.D
Acq: 18 Oct 2019 10:36

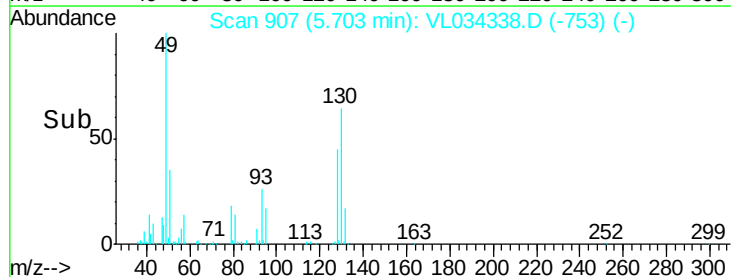
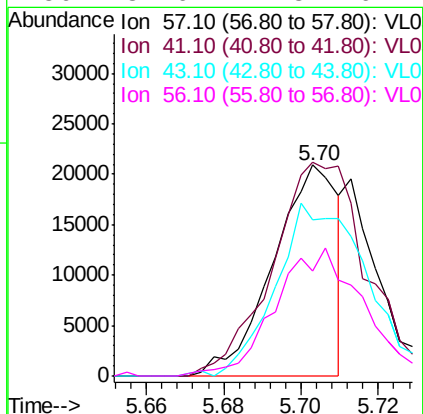
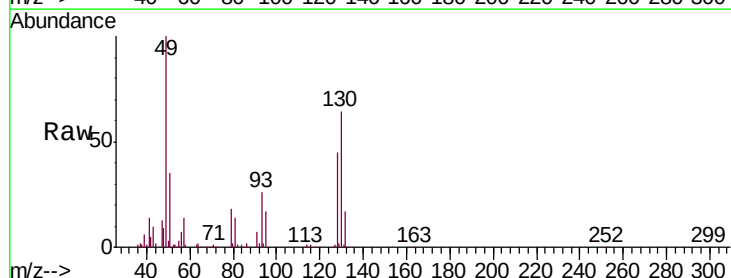
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

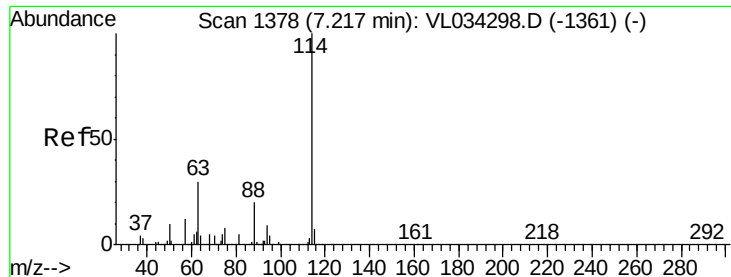
Tgt Ion:	43	Resp:	14802
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.3	12.5#
61	0.0	7.7	11.5#
70	1.3	5.4	8.2#



#26
Hexane
Concen: 0.277 ppbv
RT: 5.70 min Scan# 907
Delta R.T. -0.01 min
Lab File: VL034338.D
Acq: 18 Oct 2019 10:36

Tgt Ion:	57	Resp:	24233
Ion	Ratio	Lower	Upper
57	100		
41	150.3	76.5	114.7#
43	118.3	188.5	282.7#
56	82.6	42.8	64.2#

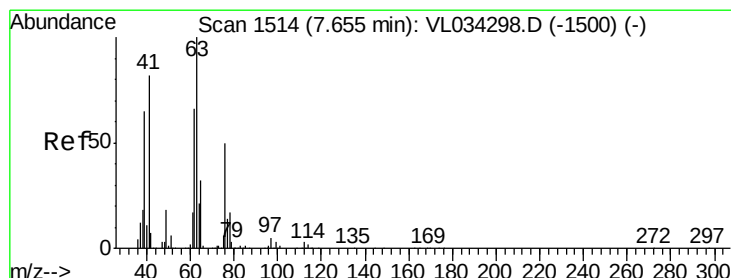
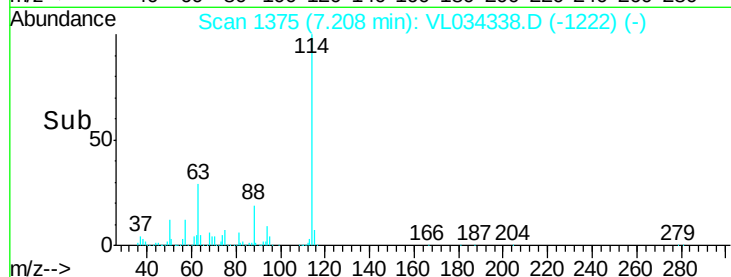
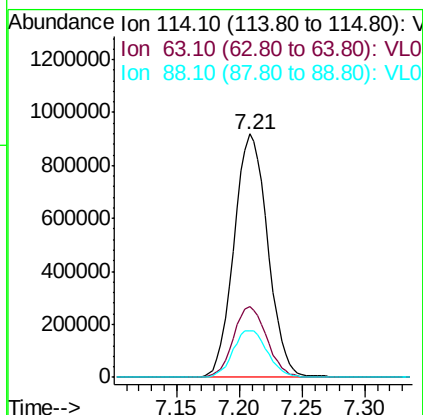
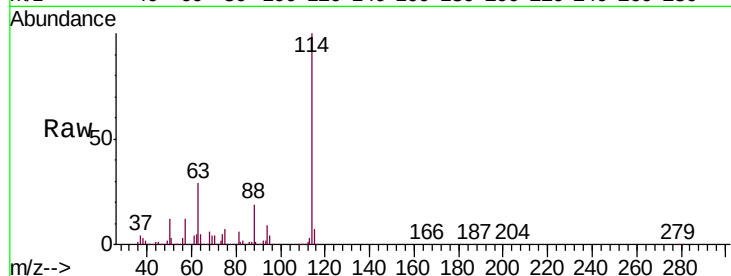




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VL034338.D
 Acq: 18 Oct 2019 10:36

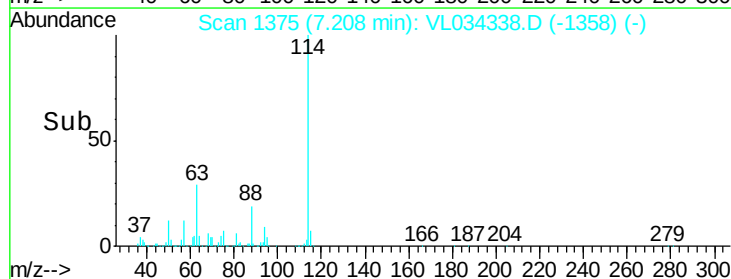
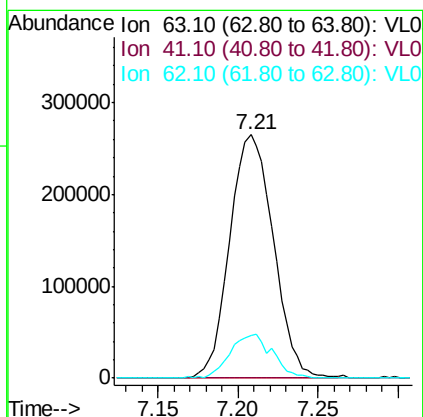
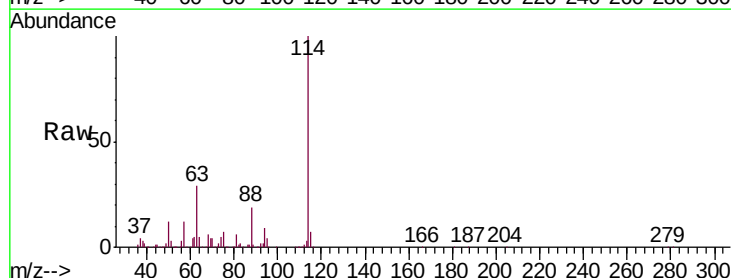
Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

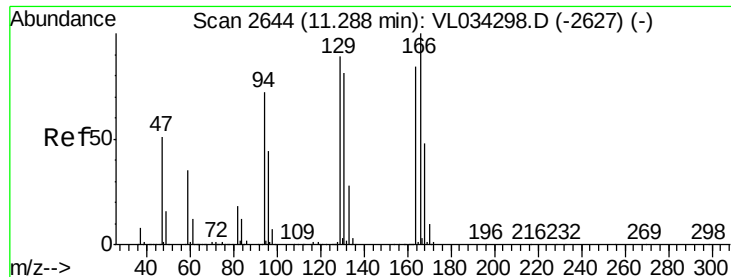
Tgt Ion: 114 Resp: 1721637
 Ion Ratio Lower Upper
 114 100
 63 28.7 25.2 37.8
 88 19.6 16.0 24.0



#39
 1,2-Dichloropropane
 Concen: 6.931 ppbv
 RT: 7.21 min Scan# 1375
 Delta R.T. -0.45 min
 Lab File: VL034338.D
 Acq: 18 Oct 2019 10:36

Tgt Ion: 63 Resp: 492979
 Ion Ratio Lower Upper
 63 100
 41 0.0 65.6 98.4#
 62 17.6 53.0 79.6#





#52

Tetrachloroethene

Concen: 5.851 ppbv

RT: 11.28 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VL034338.D

Acq: 18 Oct 2019 10:36

Instrument :

MSVOA_L

ClientSampleId :

SV2DL

Tgt Ion:164 Resp: 378855

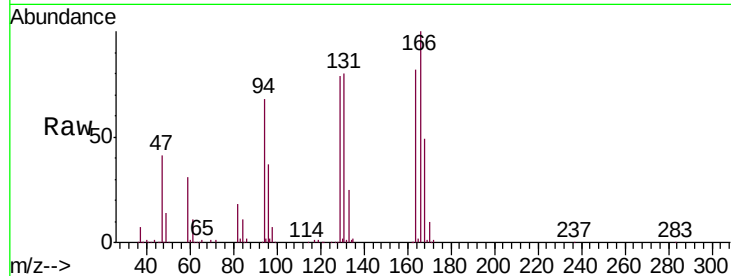
Ion Ratio Lower Upper

164 100

166 122.4 95.3 142.9

129 97.3 84.5 126.7

131 97.8 77.3 115.9

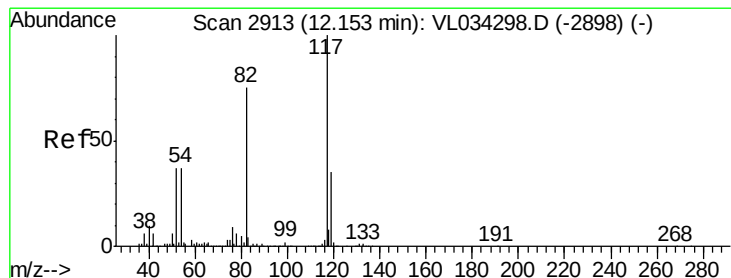
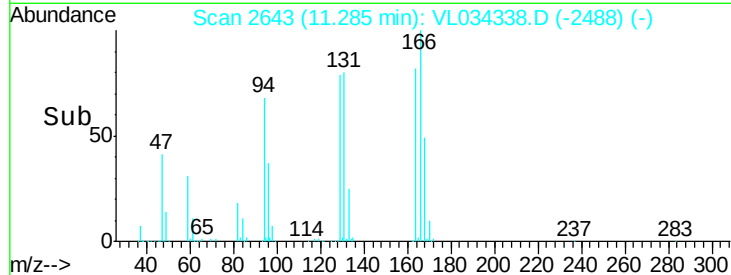
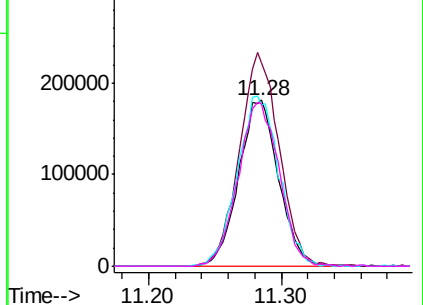


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.15 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VL034338.D

Acq: 18 Oct 2019 10:36

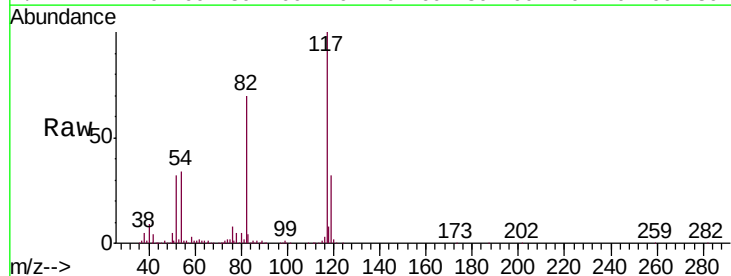
Tgt Ion:117 Resp: 1763779

Ion Ratio Lower Upper

117 100

82 71.3 55.5 83.3

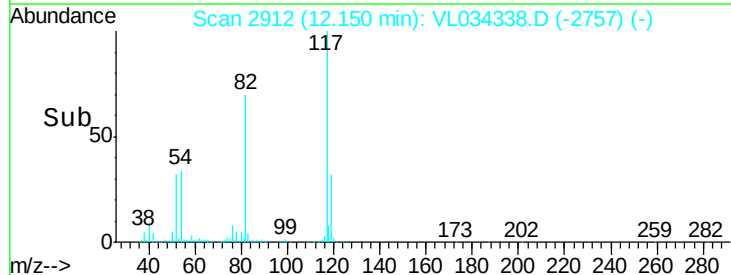
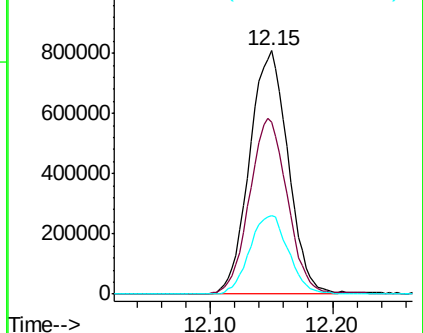
119 32.8 26.5 39.7

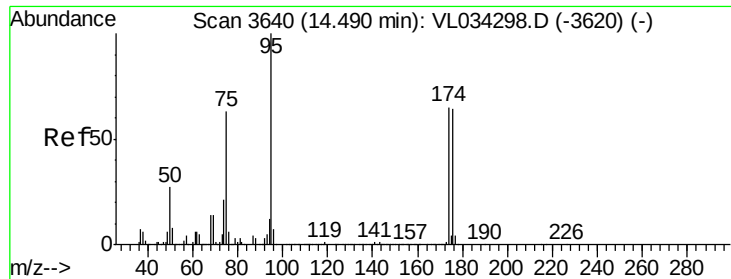


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.753 ppbv

RT: 14.48 min Scan# 3638

Delta R.T. -0.01 min

Lab File: VL034338.D

Acq: 18 Oct 2019 10:36

Instrument :

MSVOA_L

ClientSampleId :

SV2DL

Tgt Ion: 95 Resp: 1456856

Ion Ratio Lower Upper

95 100

174 68.4 52.6 78.8

175 4.9 3.8 5.6

