

Data File : VL034303.D
Acq On : 16 Oct 2019 16:07
Operator : SY/AP
Sample : VSTDIC0.03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Quant Time: Oct 16 17:01:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Oct 16 16:52:05 2019
QLast Update : Wed Oct 16 16:52:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1132928	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	2127433	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	2135953	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1864395	10.05	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.50%

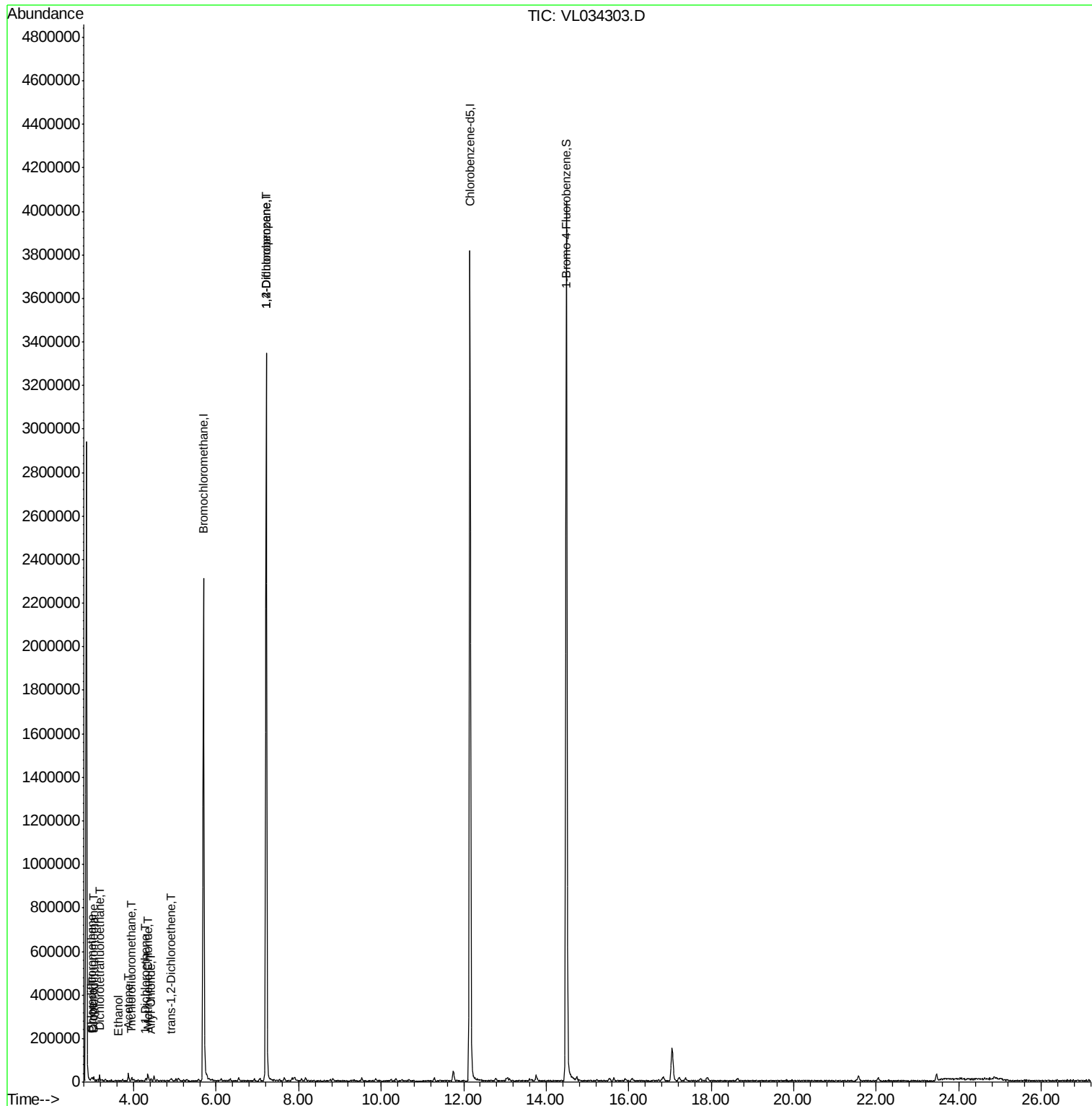
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	10635	0.064	ppbv	90
3) Chlorodifluoromethane	2.97	51	6819	0.051	ppbv	95
8) Dichlorotetrafluoroethane	3.17	85	7474	0.051	ppbv	98
9) Propene	2.99	41	2561	0.039	ppbv #	15
11) Trichlorofluoromethane	3.94	101	4919	0.032	ppbv #	62
13) Ethanol	3.62	45	710	0.045	ppbv #	1
15) Acetone	3.87	43	29183	0.192	ppbv #	85
18) 1,1-Dichloroethene	4.29	96	1831	0.042	ppbv #	2
20) Methylene Chloride	4.34	84	2560	0.058	ppbv #	77
21) Allyl Chloride	4.42	41	3723	0.043	ppbv #	62
22) trans-1,2-Dichloroethene	4.89	96	2150	0.049	ppbv #	46
39) 1,2-Dichloropropane	7.21	63	658514	6.238	ppbv #	22

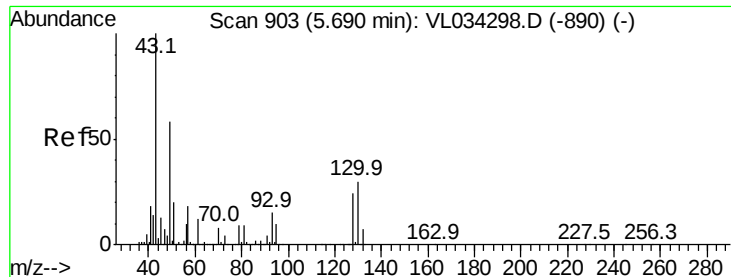
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 16 17:01:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 16 16:52:05 2019
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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.00 min

Lab File: VL034303.D

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Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

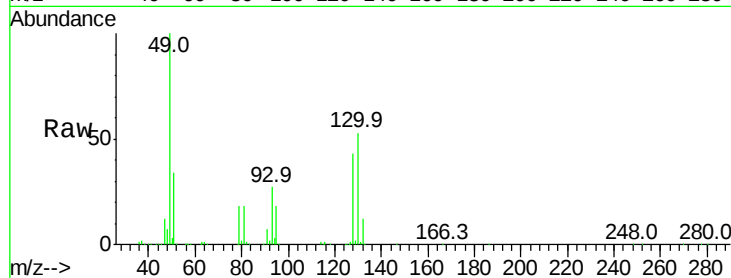
Tgt Ion: 49 Resp: 1132928

Ion Ratio Lower Upper

49 100

128 41.5 20.6 61.8

130 52.7 26.2 78.5



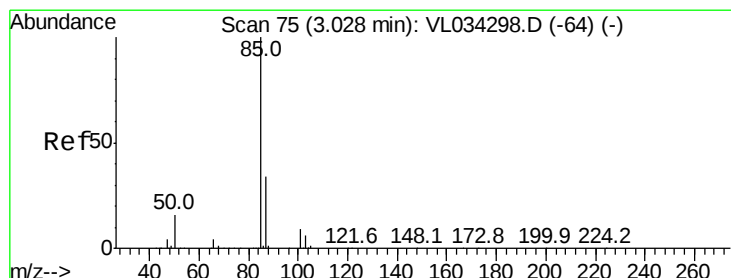
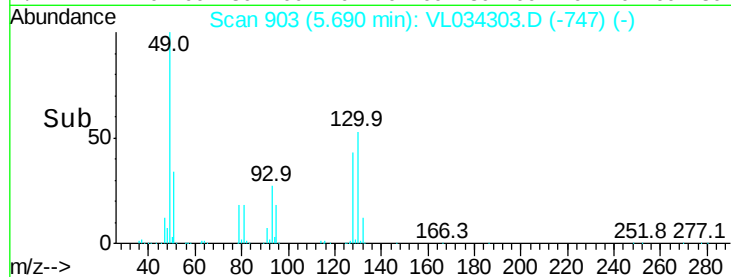
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.69

Time-->



#2

Dichlorodifluoromethane

Concen: 0.064 ppbv

RT: 3.03 min Scan# 75

Delta R.T. 0.00 min

Lab File: VL034303.D

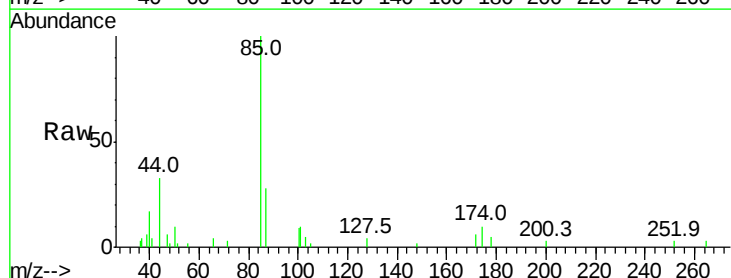
Acq: 16 Oct 2019 16:07

Tgt Ion: 85 Resp: 10635

Ion Ratio Lower Upper

85 100

87 27.9 27.0 40.6

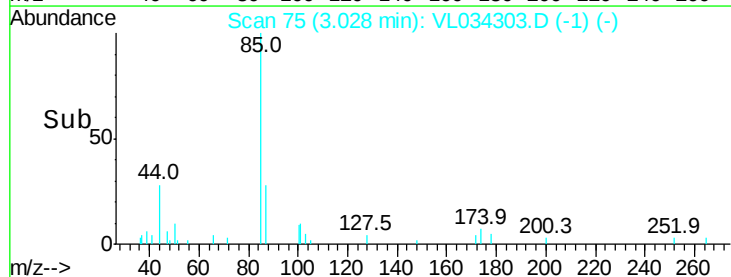


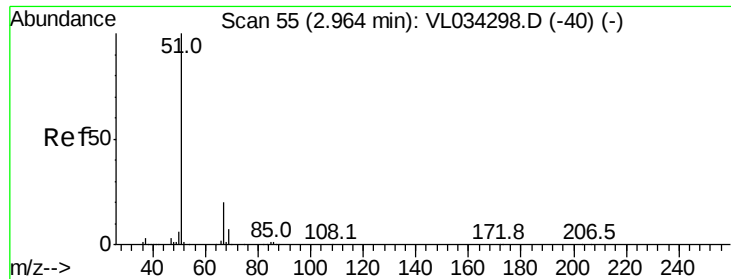
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.03

Time-->

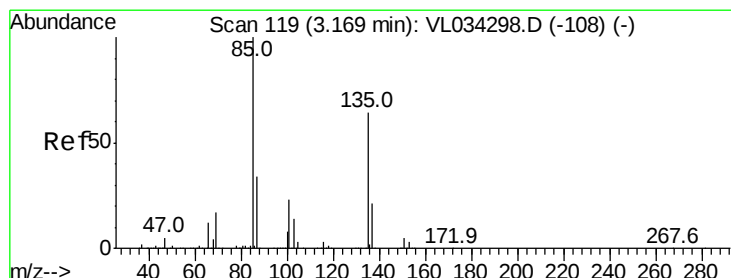
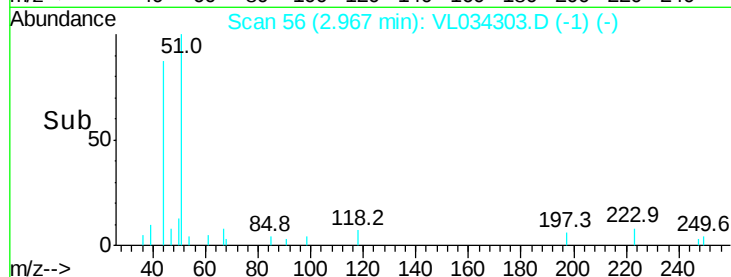
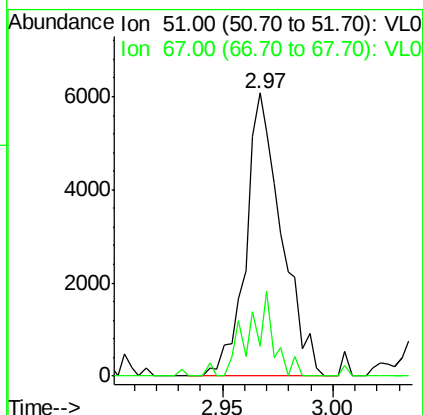
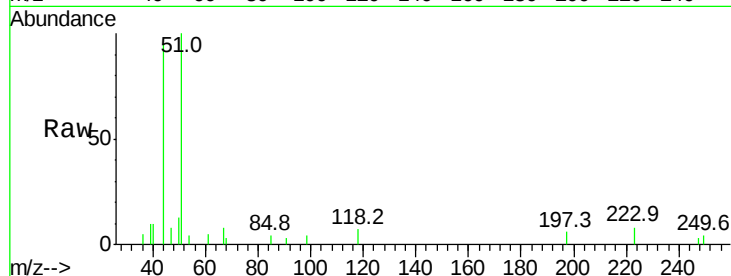




#3
 Chlorodifluoromethane
 Concen: 0.051 ppbv
 RT: 2.97 min Scan# 56
 Delta R.T. 0.00 min
 Lab File: VL034303.D
 Acq: 16 Oct 2019 16:07

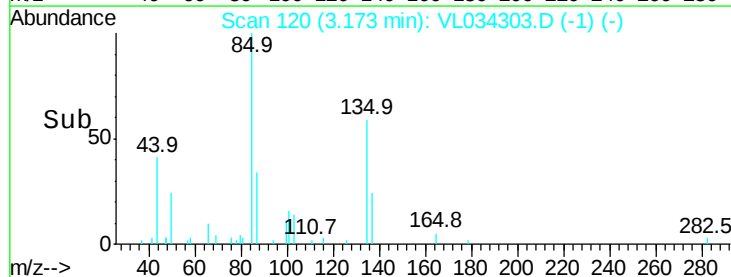
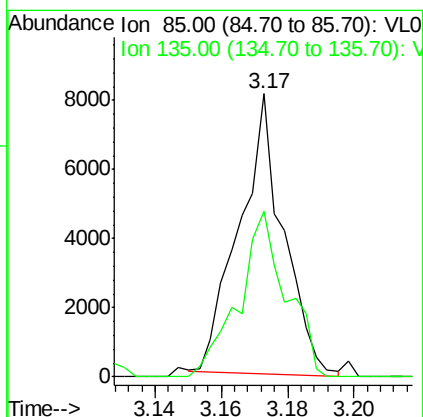
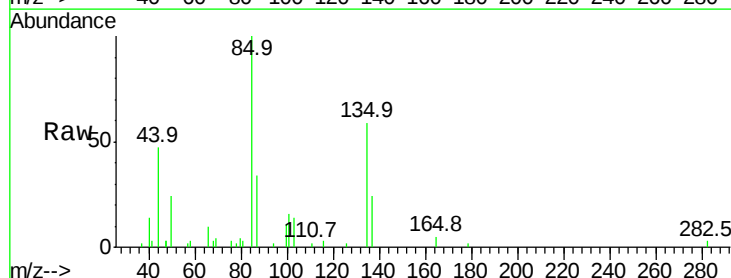
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

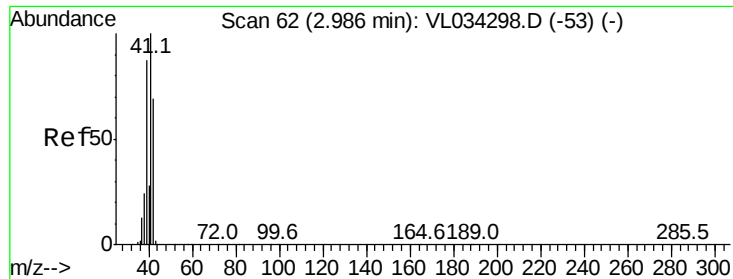
Tgt Ion: 51 Resp: 6819
 Ion Ratio Lower Upper
 51 100
 67 22.0 15.8 23.8



#8
 Dichlorotetrafluoroethane
 Concen: 0.051 ppbv
 RT: 3.17 min Scan# 120
 Delta R.T. 0.00 min
 Lab File: VL034303.D
 Acq: 16 Oct 2019 16:07

Tgt Ion: 85 Resp: 7474
 Ion Ratio Lower Upper
 85 100
 135 64.2 50.2 75.2





#9

Propene

Concen: 0.039 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.01 min

Lab File: VL034303.D

Acq: 16 Oct 2019 16:07

Instrument :

MSVOA_L

ClientSampleId :

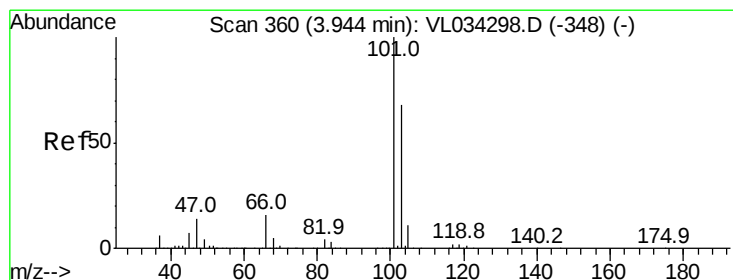
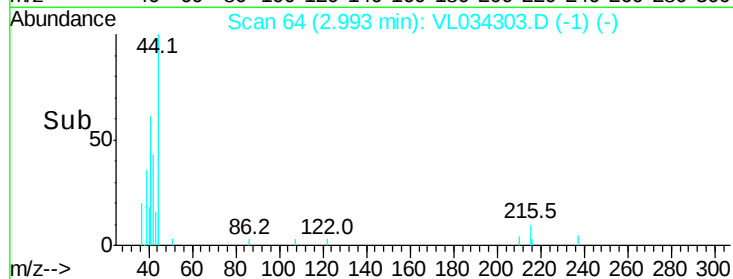
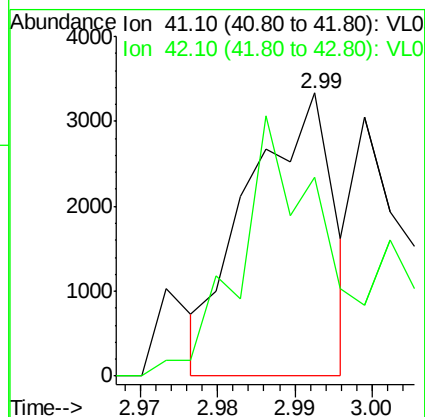
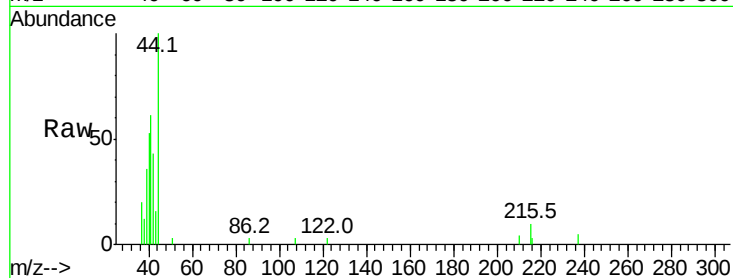
VSTDIC0.03

Tgt Ion: 41 Resp: 2561

Ion Ratio Lower Upper

41 100

42 135.6 53.9 80.9#



#11

Trichlorofluoromethane

Concen: 0.032 ppbv

RT: 3.94 min Scan# 360

Delta R.T. 0.00 min

Lab File: VL034303.D

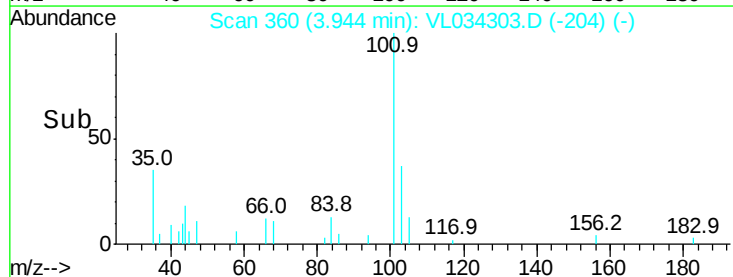
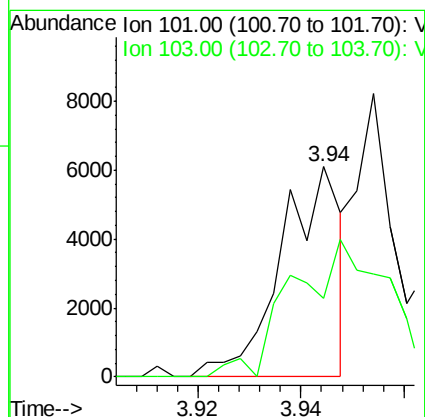
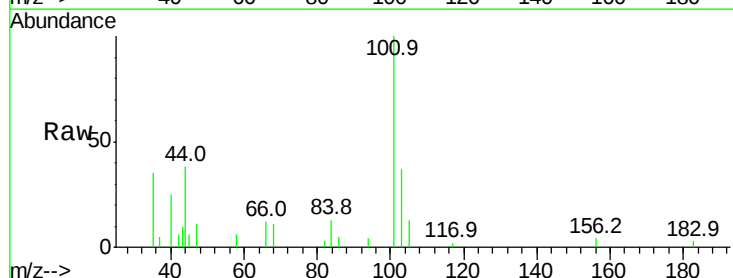
Acq: 16 Oct 2019 16:07

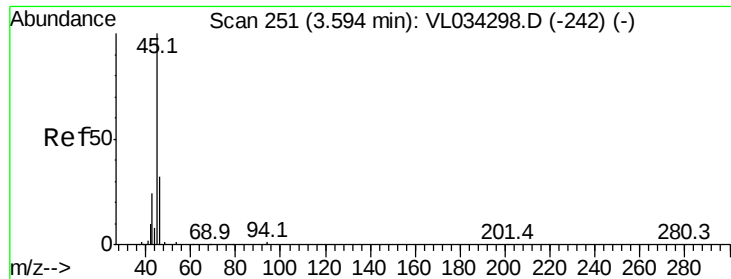
Tgt Ion: 101 Resp: 4919

Ion Ratio Lower Upper

101 100

103 37.4 54.5 81.7#





#13

Ethanol

Concen: 0.045 ppbv

RT: 3.62 min Scan# 258

Delta R.T. 0.02 min

Lab File: VL034303.D

Acq: 16 Oct 2019 16:07

Instrument :

MSVOA_L

ClientSampleId :

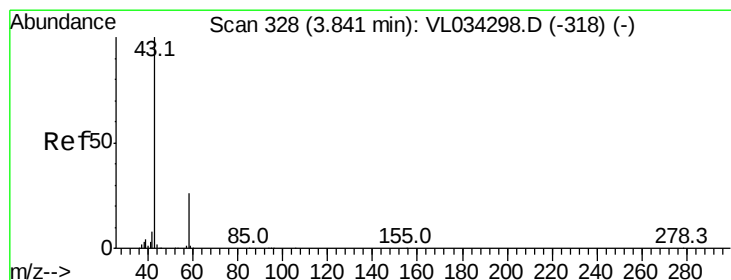
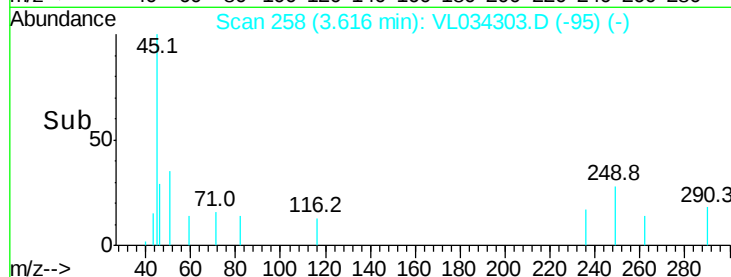
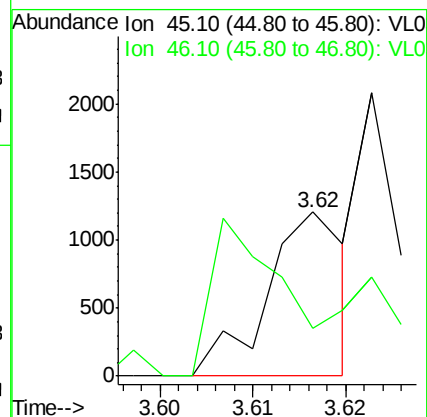
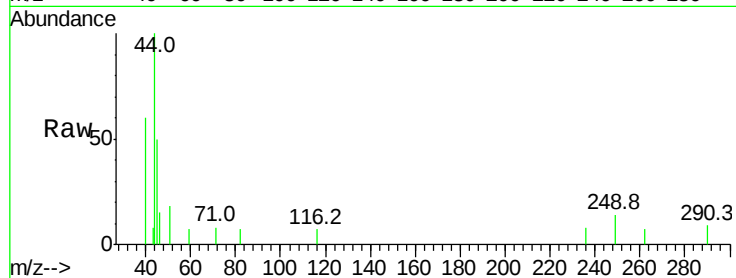
VSTDIC0.03

Tgt Ion: 45 Resp: 710

Ion Ratio Lower Upper

45 100

46 180.4 15.8 63.2#



#15

Acetone

Concen: 0.192 ppbv

RT: 3.87 min Scan# 337

Delta R.T. 0.03 min

Lab File: VL034303.D

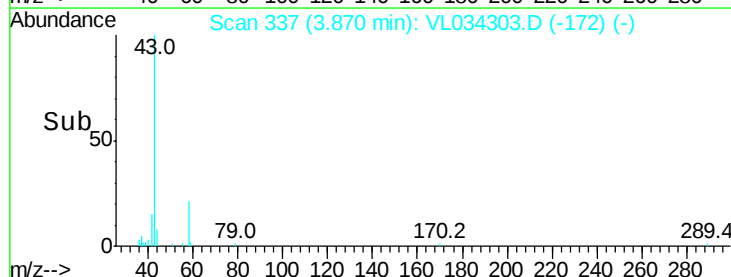
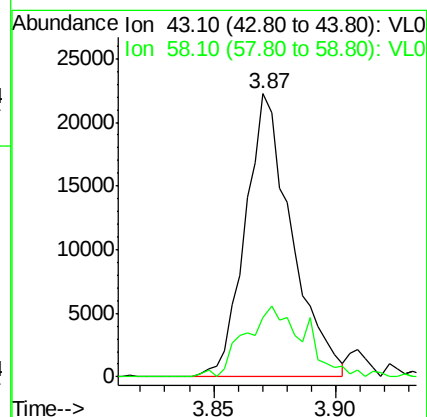
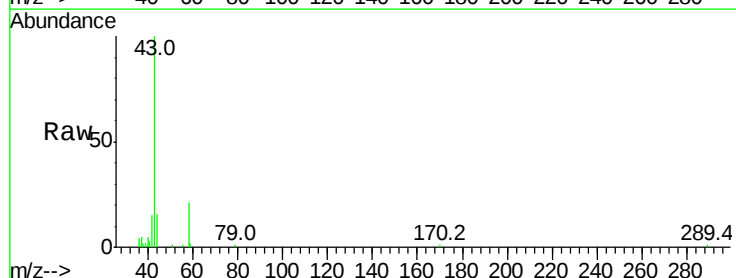
Acq: 16 Oct 2019 16:07

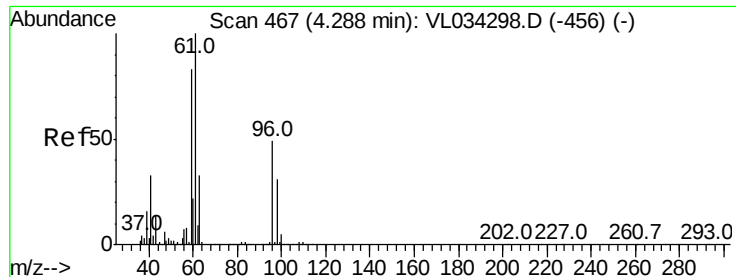
Tgt Ion: 43 Resp: 29183

Ion Ratio Lower Upper

43 100

58 32.9 20.4 30.6#





#18

1,1-Dichloroethene

Concen: 0.042 ppbv

RT: 4.29 min Scan# 467

Delta R.T. 0.00 min

Lab File: VL034303.D

Acq: 16 Oct 2019 16:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

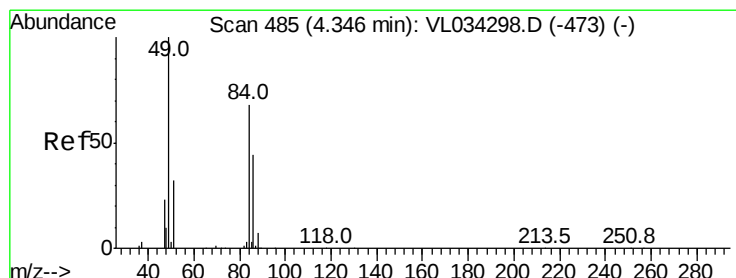
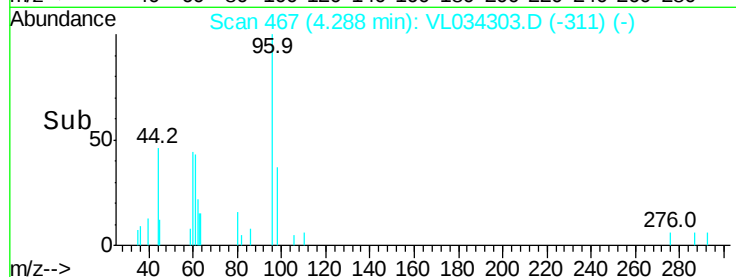
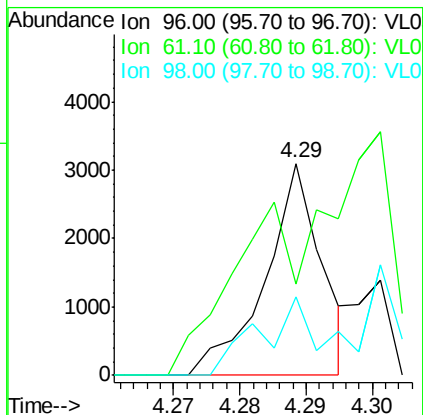
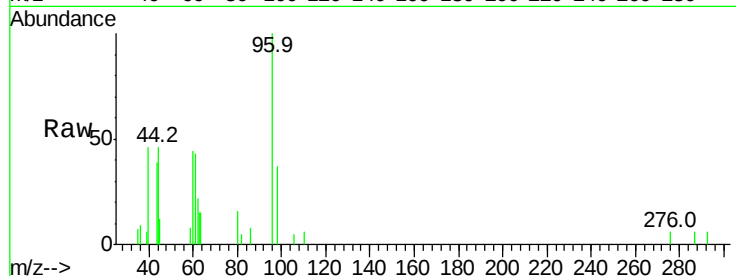
Tgt Ion: 96 Resp: 1831

Ion Ratio Lower Upper

96 100

61 24.4 164.5 246.7#

98 37.3 51.7 77.5#



#20

Methylene Chloride

Concen: 0.058 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.00 min

Lab File: VL034303.D

Acq: 16 Oct 2019 16:07

Tgt Ion: 84 Resp: 2560

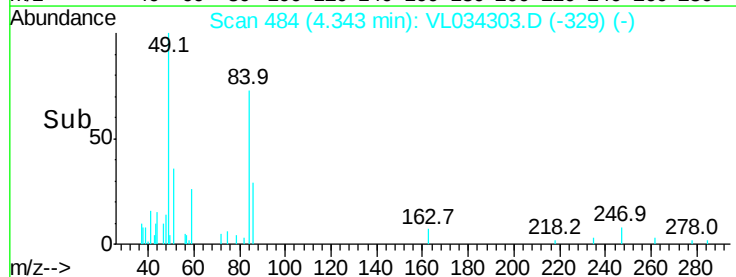
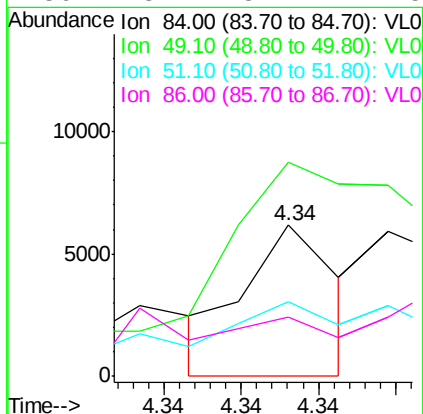
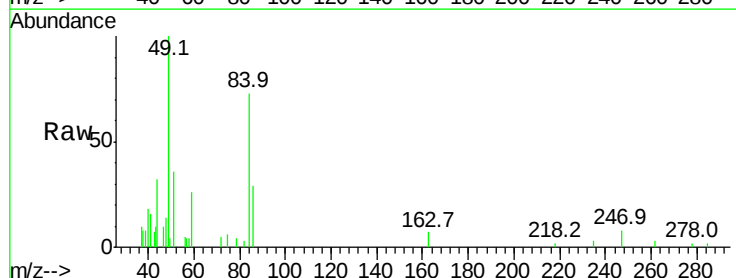
Ion Ratio Lower Upper

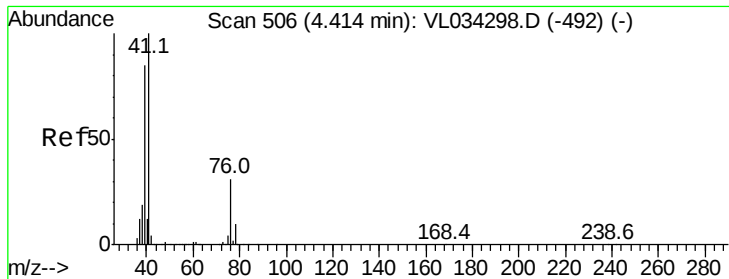
84 100

49 171.0 118.5 177.7

51 49.3 38.8 58.2

86 25.7 51.7 77.5#





#21

Allyl Chloride

Concen: 0.043 ppbv

RT: 4.42 min Scan# 507

Delta R.T. 0.00 min

Lab File: VL034303.D

Acq: 16 Oct 2019 16:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

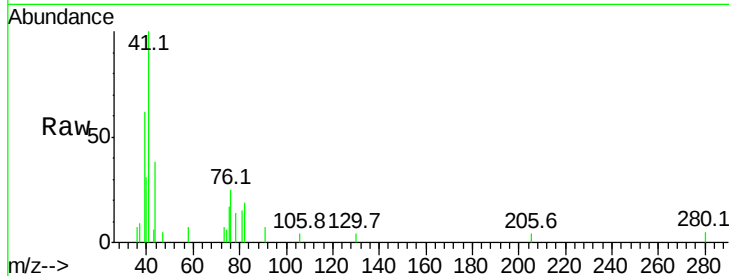
Tgt Ion: 41 Resp: 3723

Ion Ratio Lower Upper

41 100

76 32.3 22.8 34.2

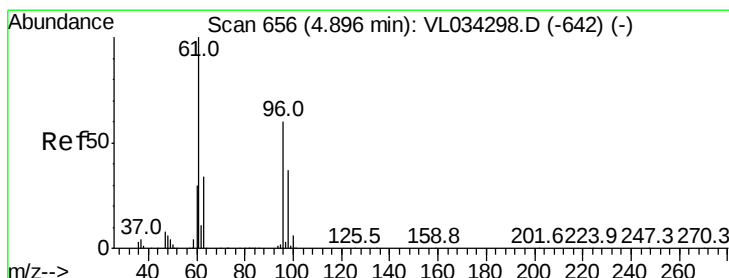
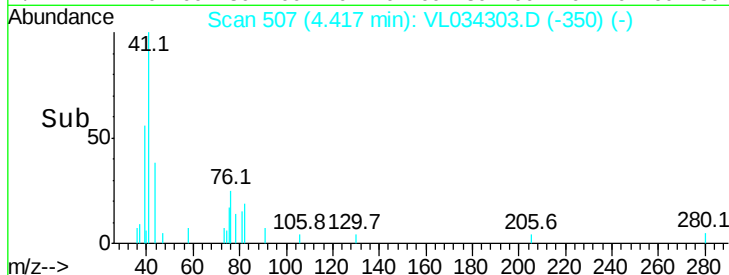
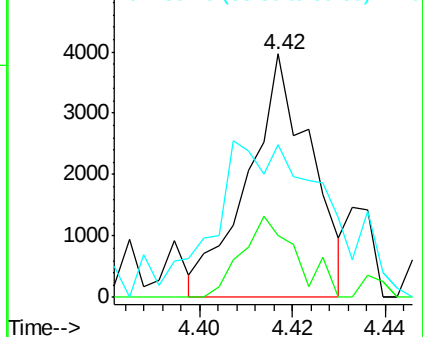
39 126.2 66.0 99.0#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 0.049 ppbv

RT: 4.89 min Scan# 655

Delta R.T. -0.00 min

Lab File: VL034303.D

Acq: 16 Oct 2019 16:07

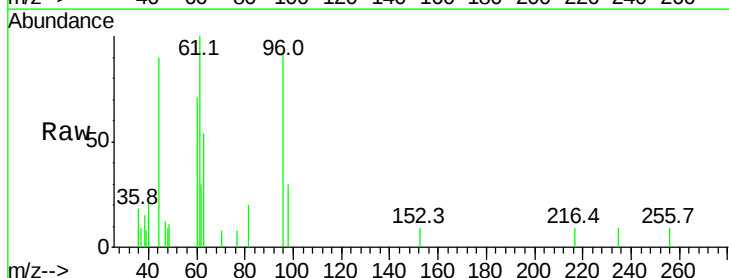
Tgt Ion: 96 Resp: 2150

Ion Ratio Lower Upper

96 100

61 101.1 133.8 200.6#

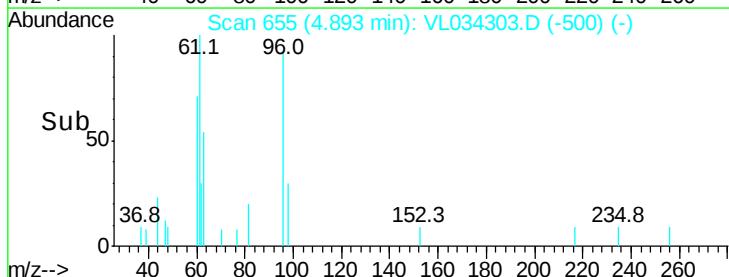
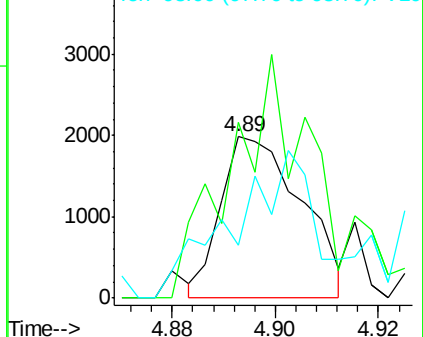
98 9.0 49.4 74.0#

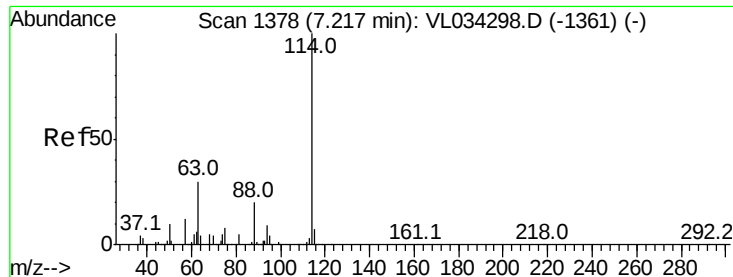


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

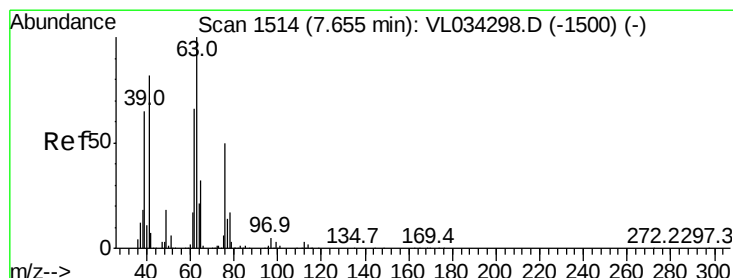
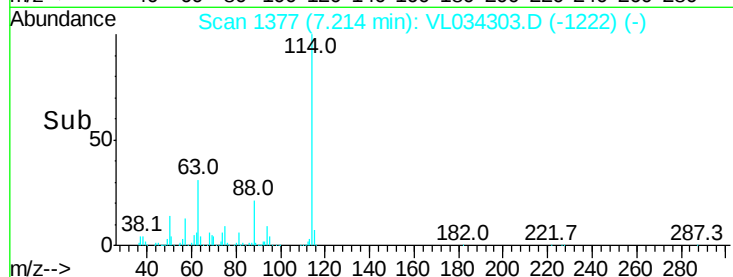
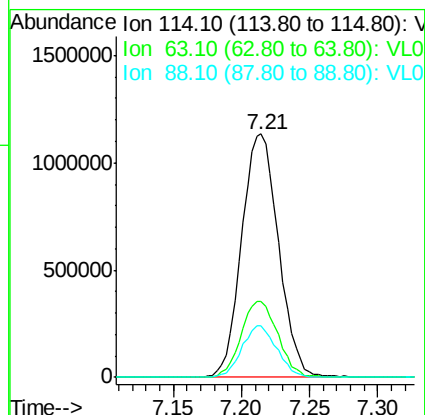
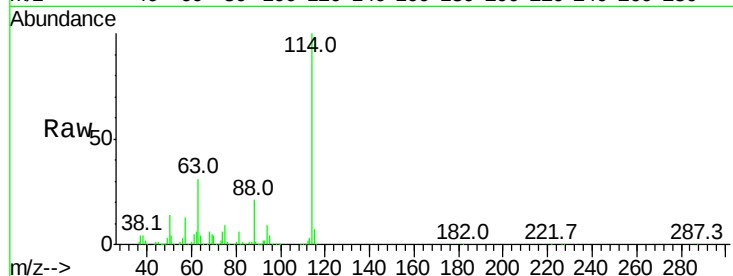




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VL034303.D
 Acq: 16 Oct 2019 16:07

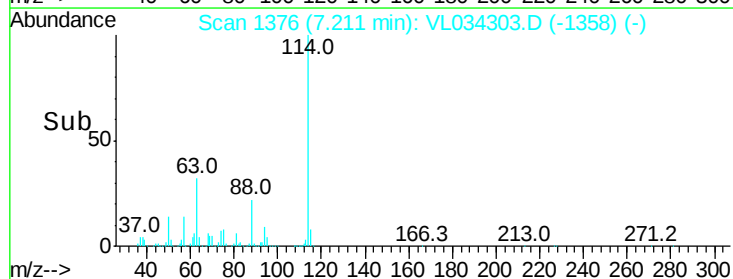
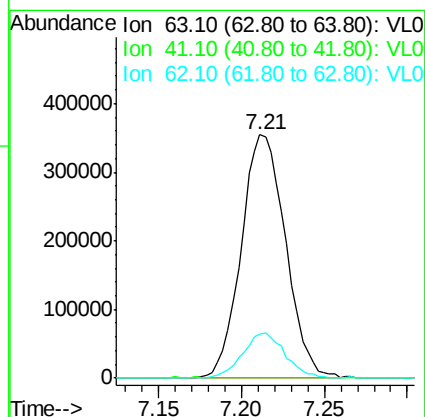
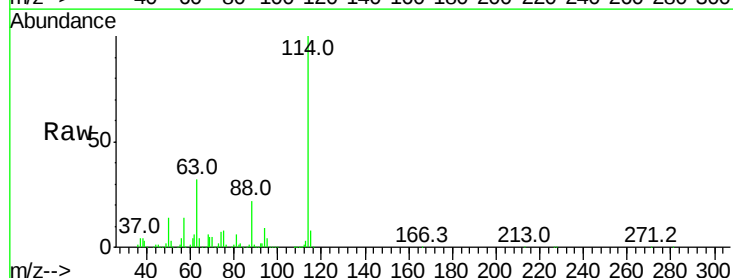
Instrument :
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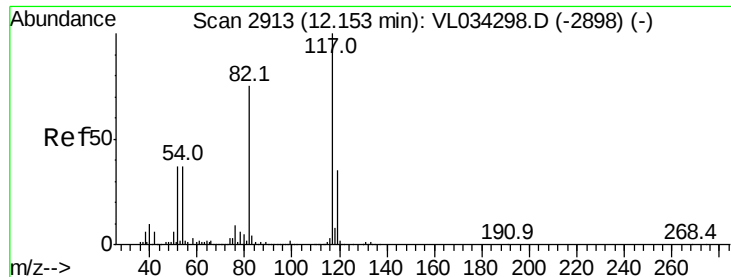
Tgt Ion: 114 Resp: 2127433
 Ion Ratio Lower Upper
 114 100
 63 31.3 25.2 37.8
 88 20.1 16.0 24.0



#39
 1,2-Dichloropropane
 Concen: 6.238 ppbv
 RT: 7.21 min Scan# 1376
 Delta R.T. -0.44 min
 Lab File: VL034303.D
 Acq: 16 Oct 2019 16:07

Tgt Ion: 63 Resp: 658514
 Ion Ratio Lower Upper
 63 100
 41 0.0 65.6 98.4#
 62 18.1 53.0 79.6#

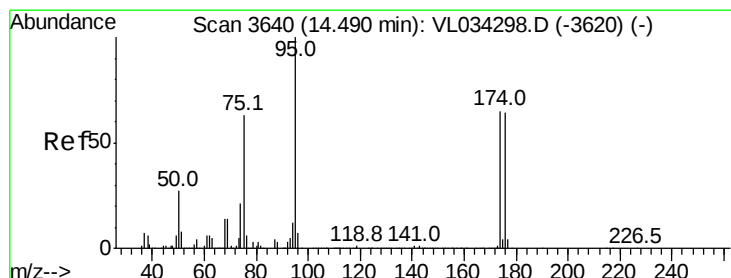
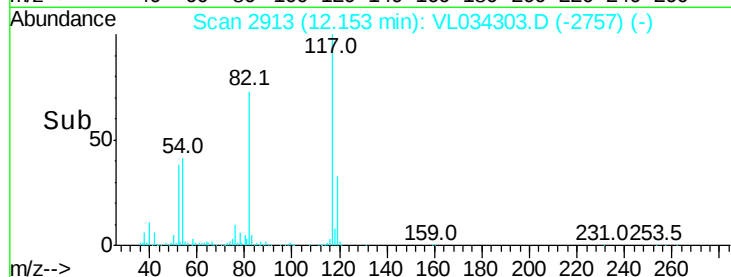
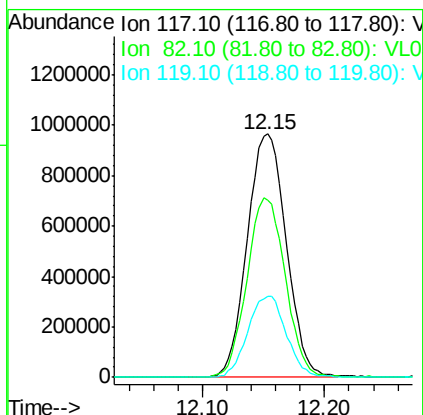
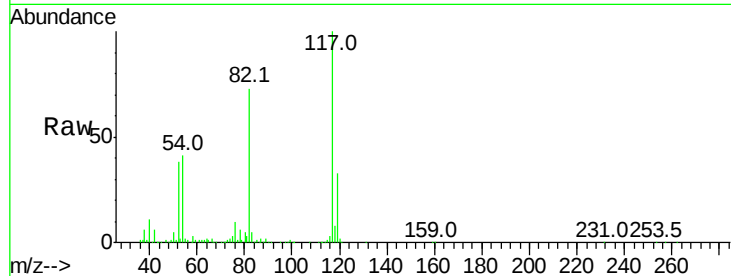




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. 0.00 min
Lab File: VL034303.D
Acq: 16 Oct 2019 16:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tgt Ion: 117 Resp: 2135953
Ion Ratio Lower Upper
117 100
82 72.9 55.5 83.3
119 33.1 26.5 39.7



#68
1-Bromo-4-Fluorobenzene
Concen: 10.045 ppbv
RT: 14.49 min Scan# 3639
Delta R.T. -0.00 min
Lab File: VL034303.D
Acq: 16 Oct 2019 16:07

Tgt Ion: 95 Resp: 1864395
Ion Ratio Lower Upper
95 100
174 63.5 52.6 78.8
175 4.6 3.8 5.6

