

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101719\
 Data File : VL034322.D
 Acq On : 17 Oct 2019 18:40
 Operator : SY/AP
 Sample : K5111-15 0.3 PPB MDL
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-MDL-AIR-03-QT4-2019DL

Quant Time: Oct 18 04:34:27 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	5.69	49	969306	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1824034	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	1825450	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1581499	10.23	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

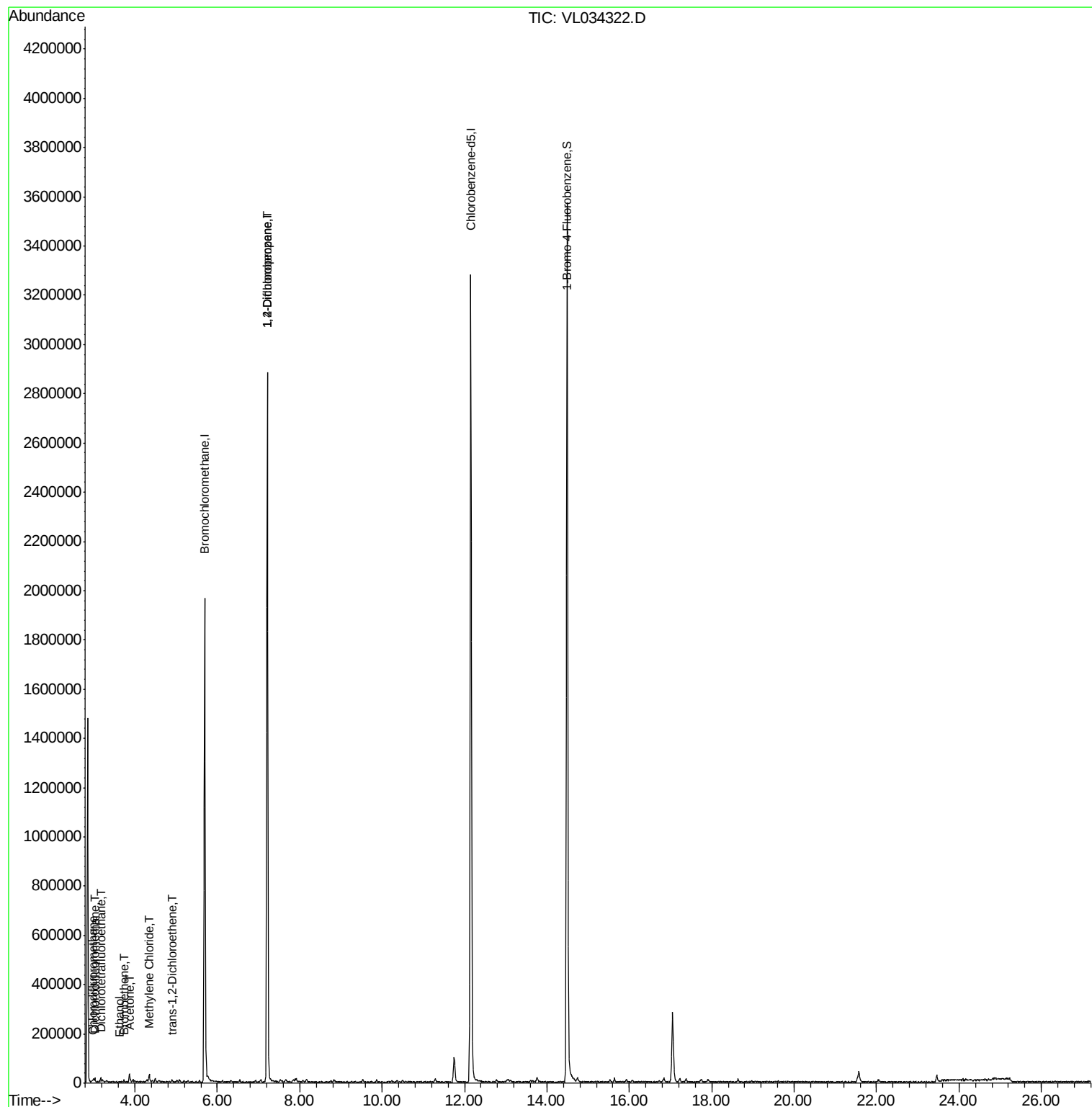
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	7769	0.046	ppbv #	79
3) Chlorodifluoromethane	2.97	51	4630	0.041	ppbv #	87
8) Dichlorotetrafluoroethane	3.17	85	7064	0.049	ppbv	92
13) Ethanol	3.61	45	604	0.054	ppbv #	36
14) Bromoethene	3.74	108	1434	0.035	ppbv #	78
15) Acetone	3.87	43	28927	0.209	ppbv #	81
20) Methylene Chloride	4.35	84	4341	0.087	ppbv #	48
22) trans-1,2-Dichloroethene	4.90	96	1429	0.031	ppbv #	49
39) 1,2-Dichloropropane	7.21	63	561037	7.445	ppbv #	22

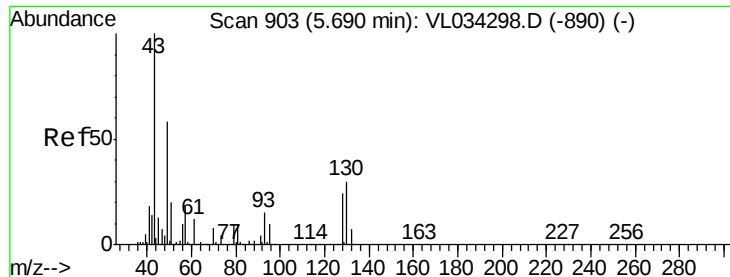
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL101719\
Data File : VL034322.D
Acq On : 17 Oct 2019 18:40
Operator : SY/AP
Sample : K5111-15 0.3 PPB MDL
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT4-2019DL

Quant Time: Oct 18 04:34:27 2019
Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 903

Delta R.T. -0.00 min

Lab File: VL034322.D

Acq: 17 Oct 2019 18:40

Instrument :

MSVOA_L

ClientSampleId :

MDL-MDL-AIR-03-QT4-2019DL

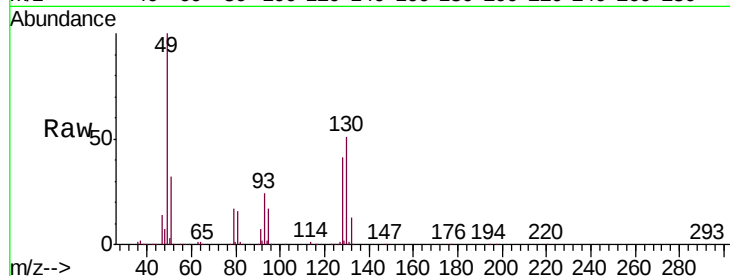
Tgt Ion: 49 Resp: 969306

Ion Ratio Lower Upper

49 100

128 40.3 20.6 61.8

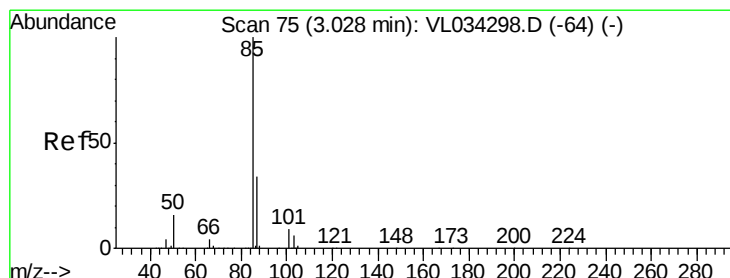
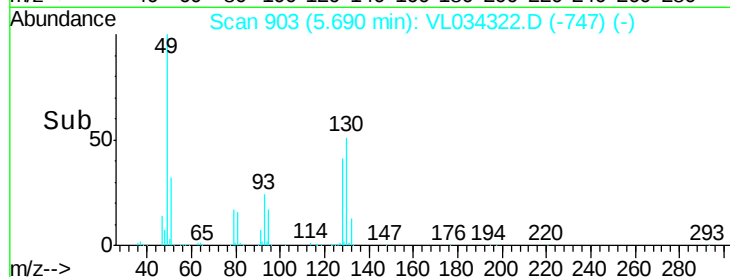
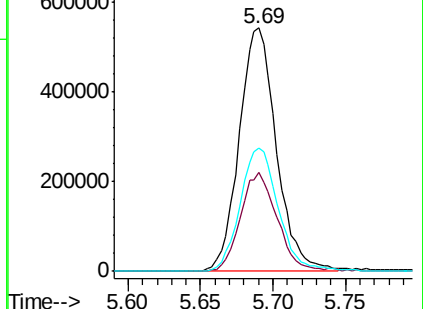
130 52.5 26.2 78.5



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



#2

Dichlorodifluoromethane

Concen: 0.046 ppbv

RT: 3.03 min Scan# 76

Delta R.T. 0.00 min

Lab File: VL034322.D

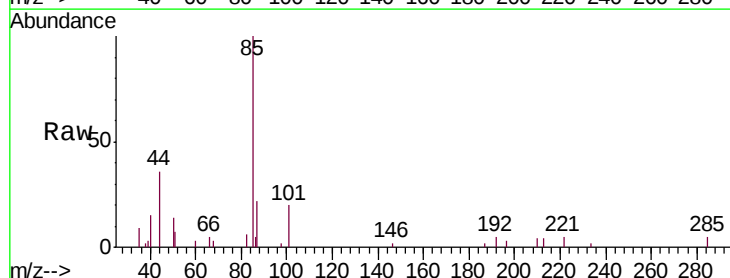
Acq: 17 Oct 2019 18:40

Tgt Ion: 85 Resp: 7769

Ion Ratio Lower Upper

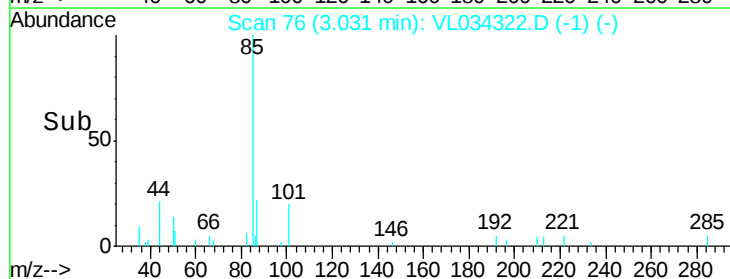
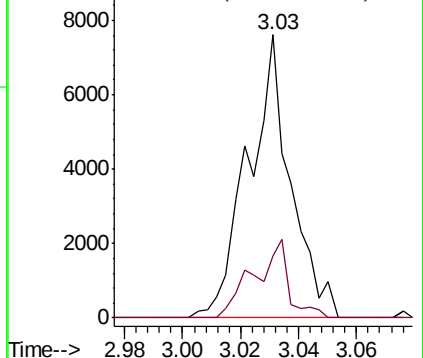
85 100

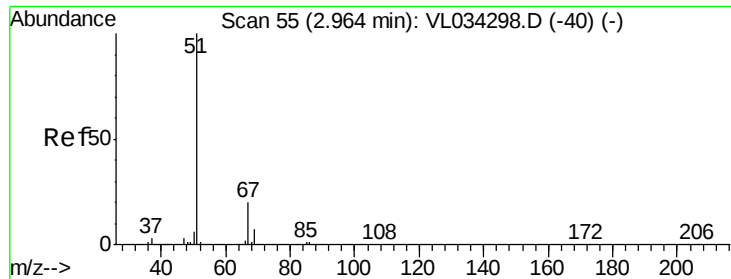
87 21.9 27.0 40.6#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.041 ppbv

RT: 2.97 min Scan# 58

Delta R.T. 0.01 min

Lab File: VL034322.D

Acq: 17 Oct 2019 18:40

Instrument :

MSVOA_L

ClientSampleId :

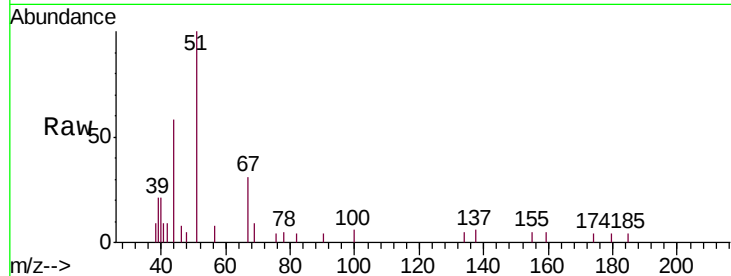
MDL-MDL-AIR-03-QT4-2019DL

Tgt Ion: 51 Resp: 4630

Ion Ratio Lower Upper

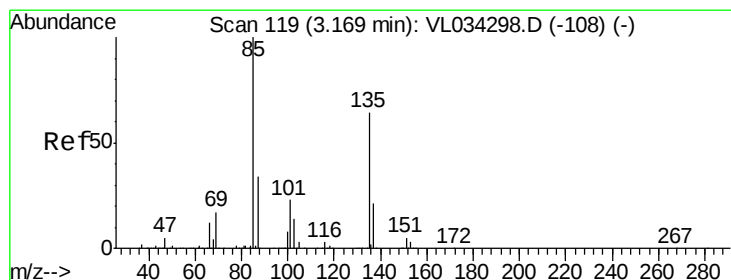
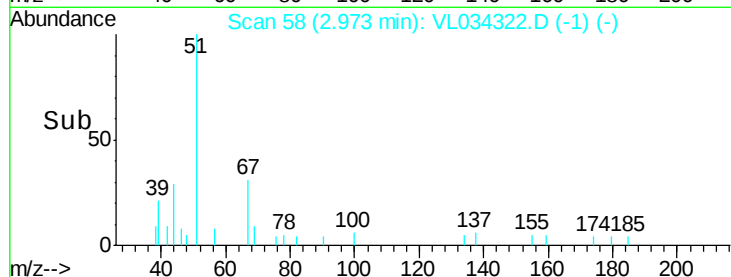
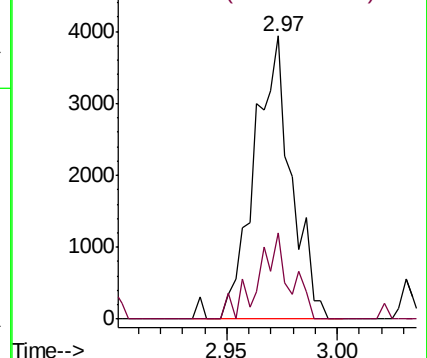
51 100

67 25.9 15.8 23.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.049 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.00 min

Lab File: VL034322.D

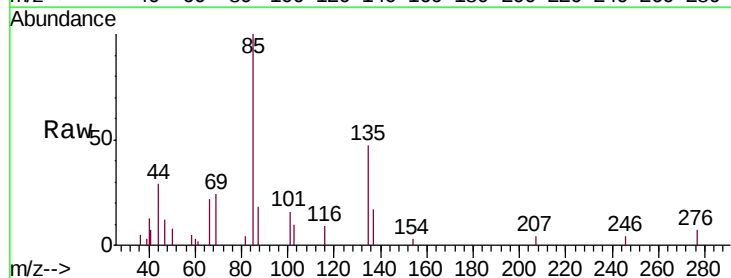
Acq: 17 Oct 2019 18:40

Tgt Ion: 85 Resp: 7064

Ion Ratio Lower Upper

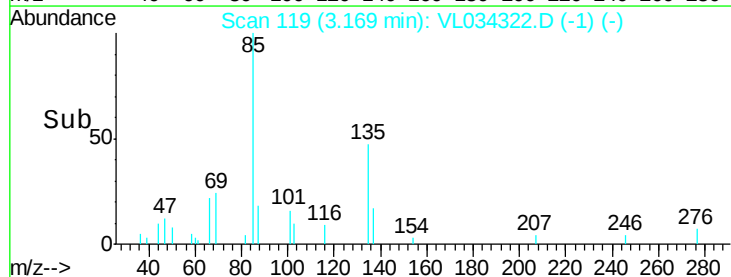
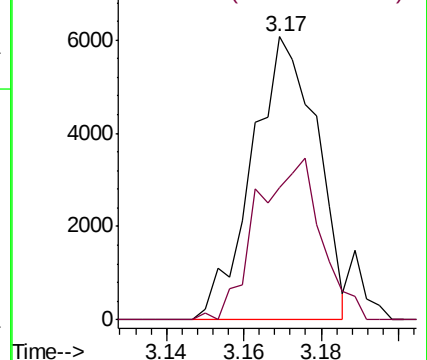
85 100

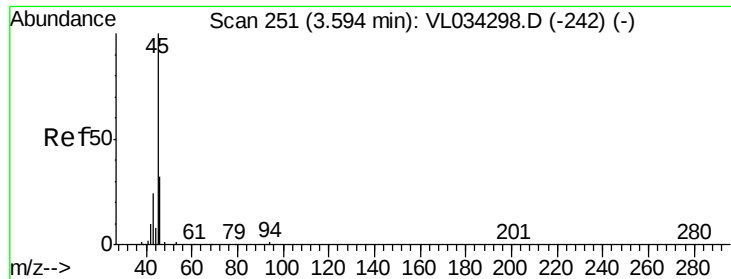
135 56.7 50.2 75.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

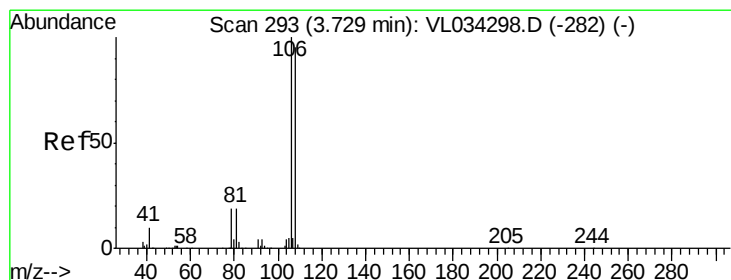
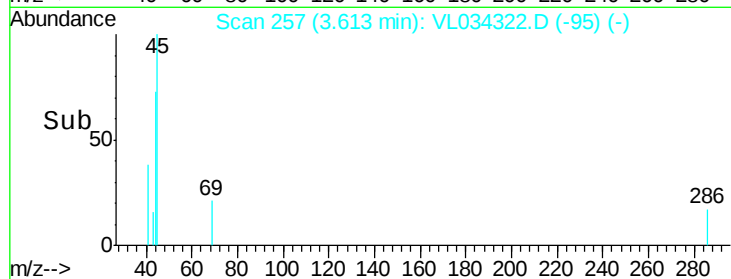
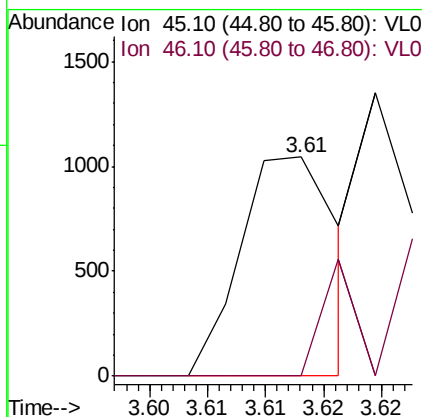
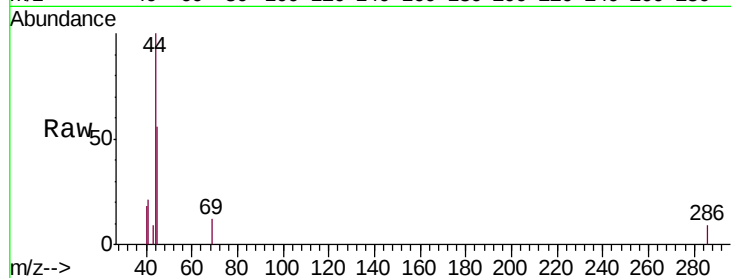




#13
Ethanol
Concen: 0.054 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.02 min
Lab File: VL034322.D
Acq: 17 Oct 2019 18:40

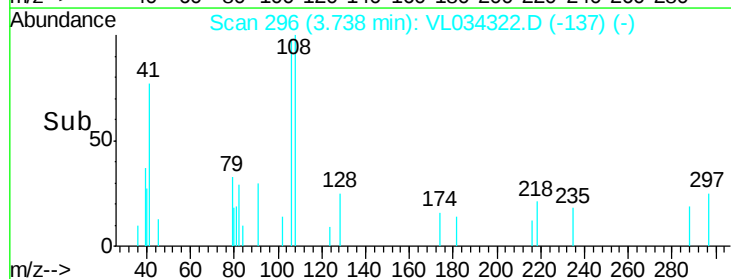
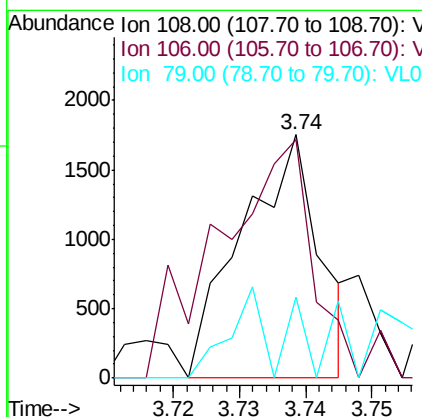
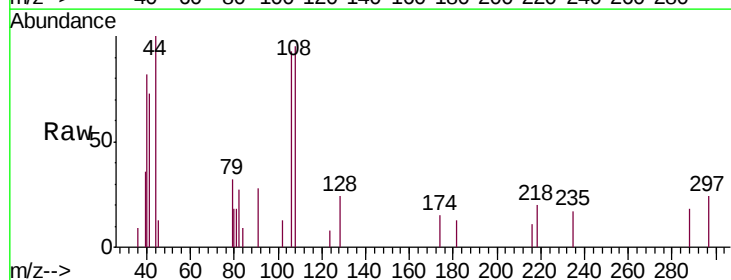
Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT4-2019DL

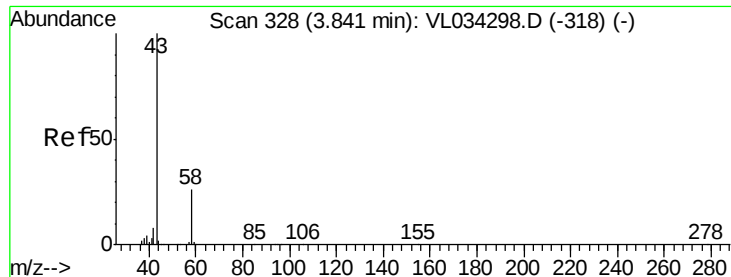
Tgt Ion: 45 Resp: 604
Ion Ratio Lower Upper
45 100
46 0.0 15.8 63.2#



#14
Bromoethene
Concen: 0.035 ppbv
RT: 3.74 min Scan# 296
Delta R.T. 0.01 min
Lab File: VL034322.D
Acq: 17 Oct 2019 18:40

Tgt Ion: 108 Resp: 1434
Ion Ratio Lower Upper
108 100
106 121.9 84.8 127.2
79 47.4 17.0 25.4#

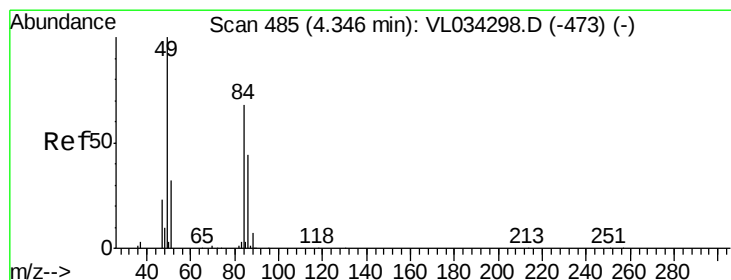
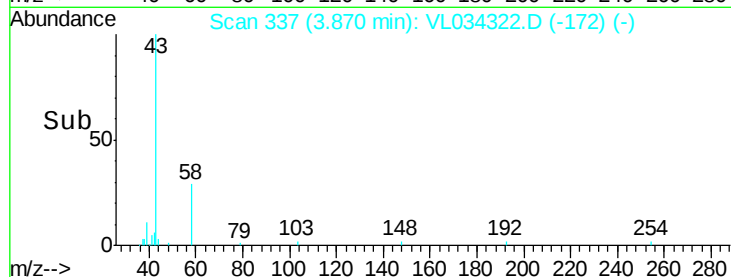
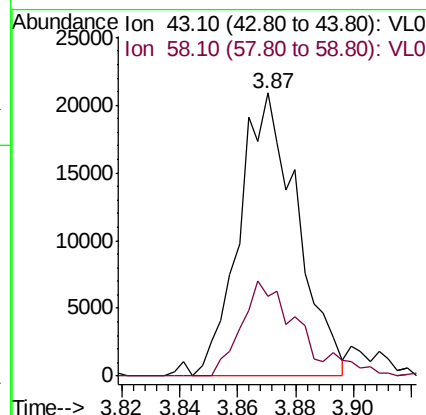
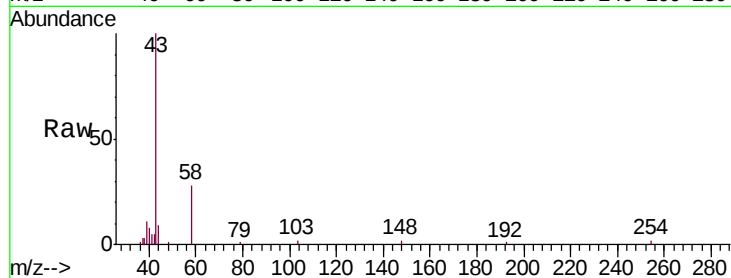




#15
Acetone
Concen: 0.209 ppbv
RT: 3.87 min Scan# 337
Delta R.T. 0.03 min
Lab File: VL034322.D
Acq: 17 Oct 2019 18:40

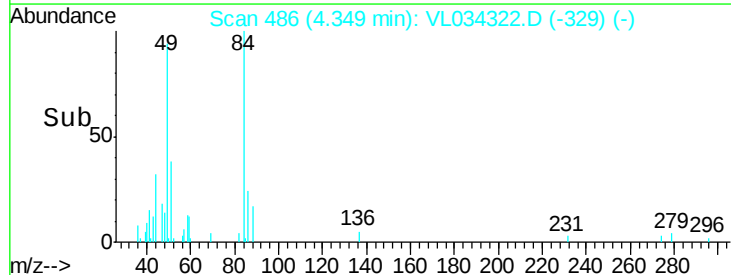
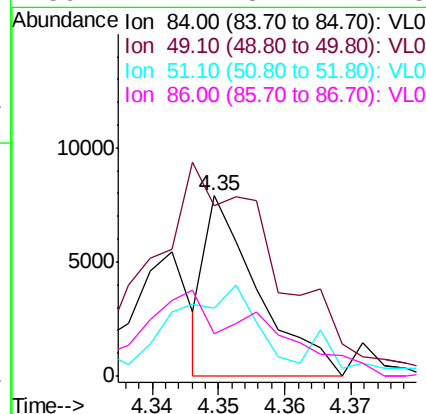
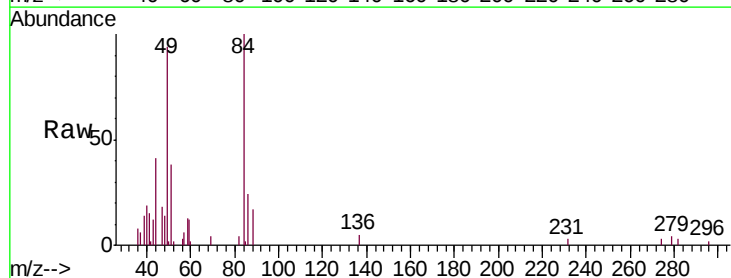
Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT4-2019DL

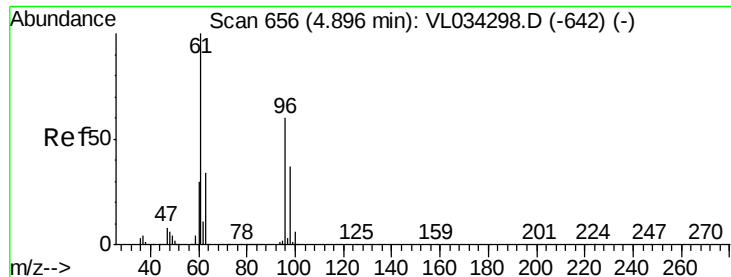
Tgt Ion: 43 Resp: 28927
Ion Ratio Lower Upper
43 100
58 35.0 20.4 30.6#



#20
Methylene Chloride
Concen: 0.087 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.00 min
Lab File: VL034322.D
Acq: 17 Oct 2019 18:40

Tgt Ion: 84 Resp: 4341
Ion Ratio Lower Upper
84 100
49 78.7 118.5 177.7#
51 33.1 38.8 58.2#
86 12.1 51.7 77.5#





#22

trans-1,2-Dichloroethene

Concen: 0.031 ppbv

RT: 4.90 min Scan# 657

Delta R.T. 0.00 min

Lab File: VL034322.D

Acq: 17 Oct 2019 18:40

Instrument :

MSVOA_L

ClientSampleId :

MDL-MDL-AIR-03-QT4-2019DL

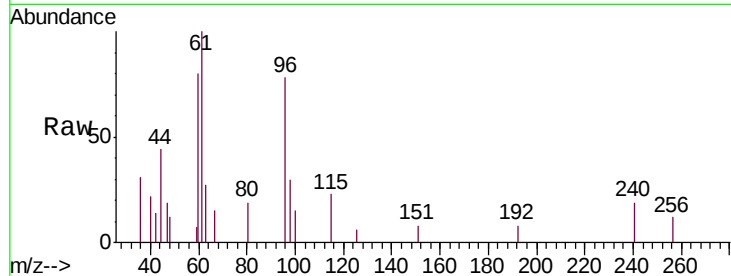
Tgt Ion: 96 Resp: 1429

Ion Ratio Lower Upper

96 100

61 98.7 133.8 200.6#

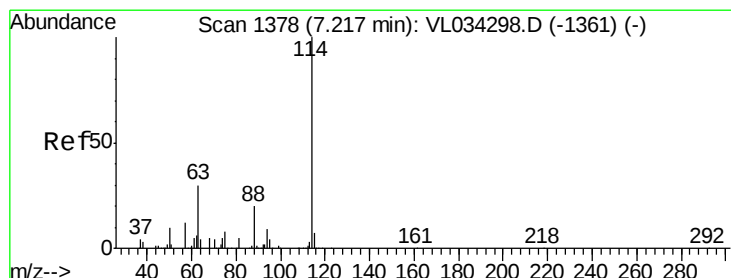
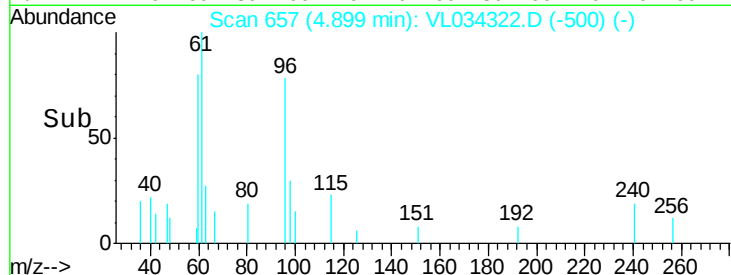
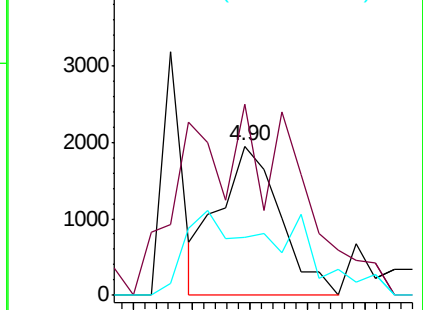
98 21.5 49.4 74.0#



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# 1376

Delta R.T. -0.01 min

Lab File: VL034322.D

Acq: 17 Oct 2019 18:40

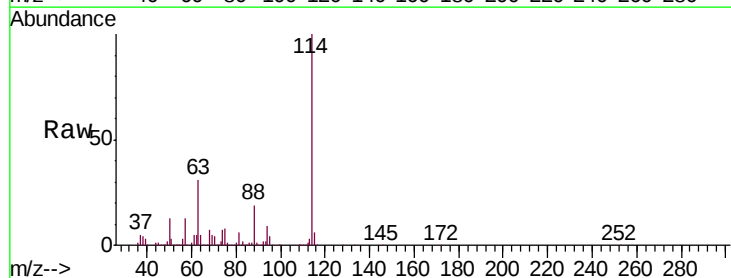
Tgt Ion: 114 Resp: 1824034

Ion Ratio Lower Upper

114 100

63 30.9 25.2 37.8

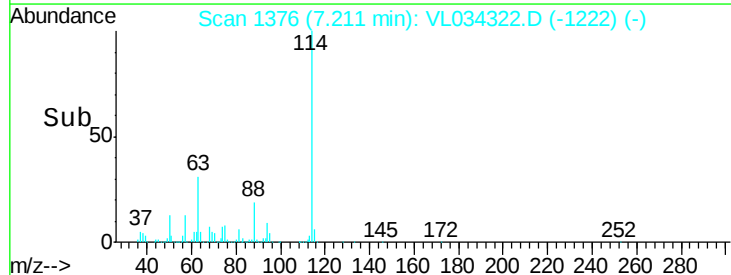
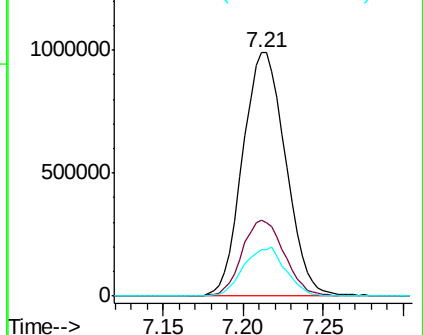
88 19.7 16.0 24.0

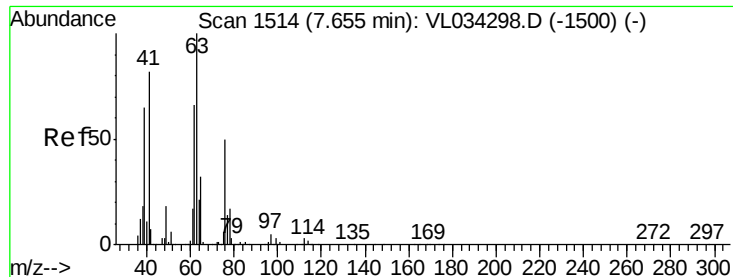


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

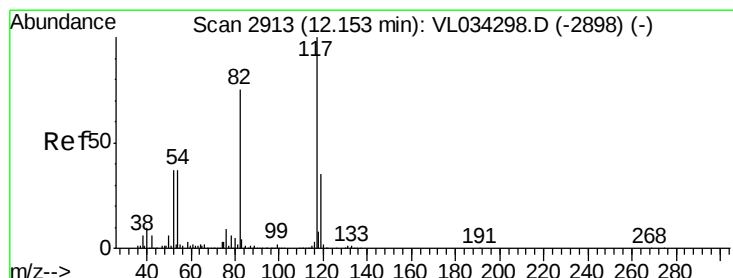
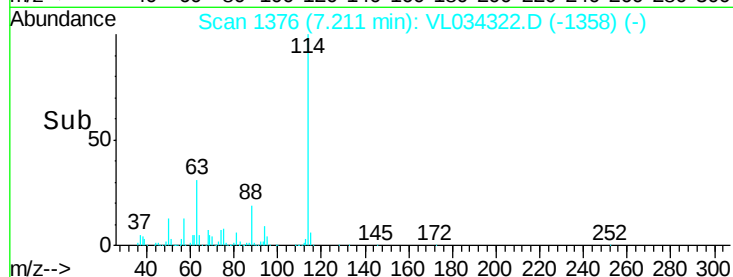
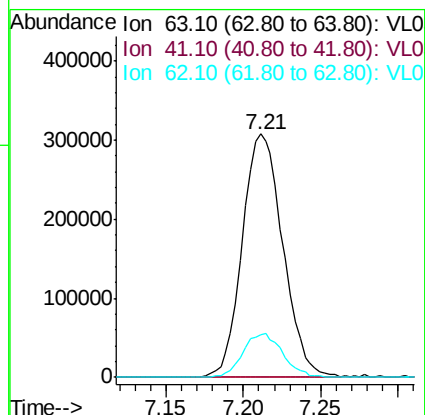
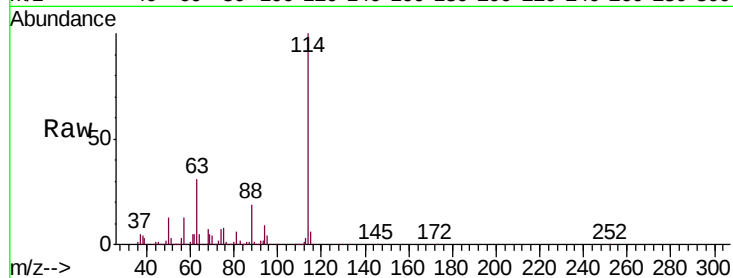




#39
 1,2-Dichloropropane
 Concen: 7.445 ppbv
 RT: 7.21 min Scan# 1376
 Delta R.T. -0.44 min
 Lab File: VL034322.D
 Acq: 17 Oct 2019 18:40

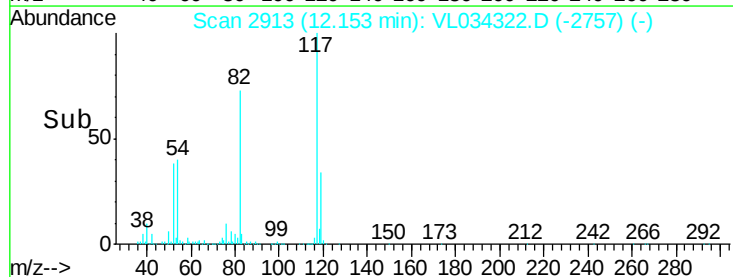
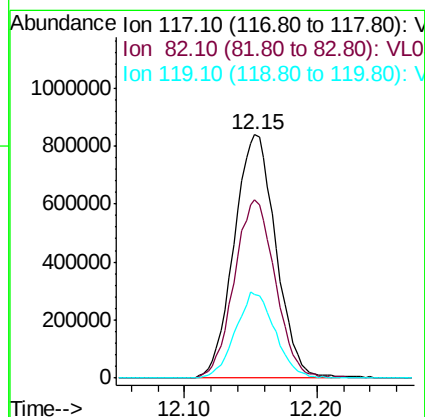
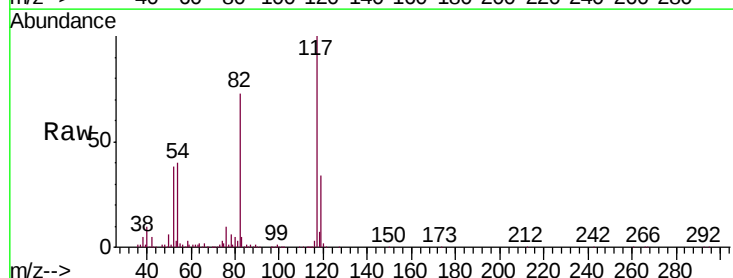
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-MDL-AIR-03-QT4-2019DL

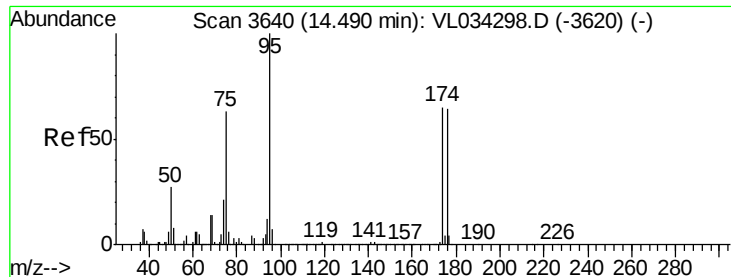
Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.0	65.6	98.4#
62	17.6	53.0	79.6#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.15 min Scan# 2913
 Delta R.T. -0.00 min
 Lab File: VL034322.D
 Acq: 17 Oct 2019 18:40

Tgt Ion	Ratio	Lower	Upper
117	100		
82	72.8	55.5	83.3
119	33.8	26.5	39.7





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.229 ppbv
 RT: 14.49 min Scan# 3640
 Delta R.T. 0.00 min
 Lab File: VL034322.D
 Acq: 17 Oct 2019 18:40

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-MDL-AIR-03-QT4-2019DL

Tgt Ion: 95 Resp: 1581499
 Ion Ratio Lower Upper
 95 100
 174 64.9 52.6 78.8
 175 4.5 3.8 5.6

