

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL123019\
 Data File : VL034526.D
 Acq On : 31 Dec 2019 00:25
 Operator : SY/AP
 Sample : K6388-01DL2 40X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDL2

Quant Time: Dec 31 05:02:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL123019AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 30 14:58:50 2019
 QLast Update : Mon Dec 30 14:58:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	945566	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	1897779	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	1886547	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1566115	9.95	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%

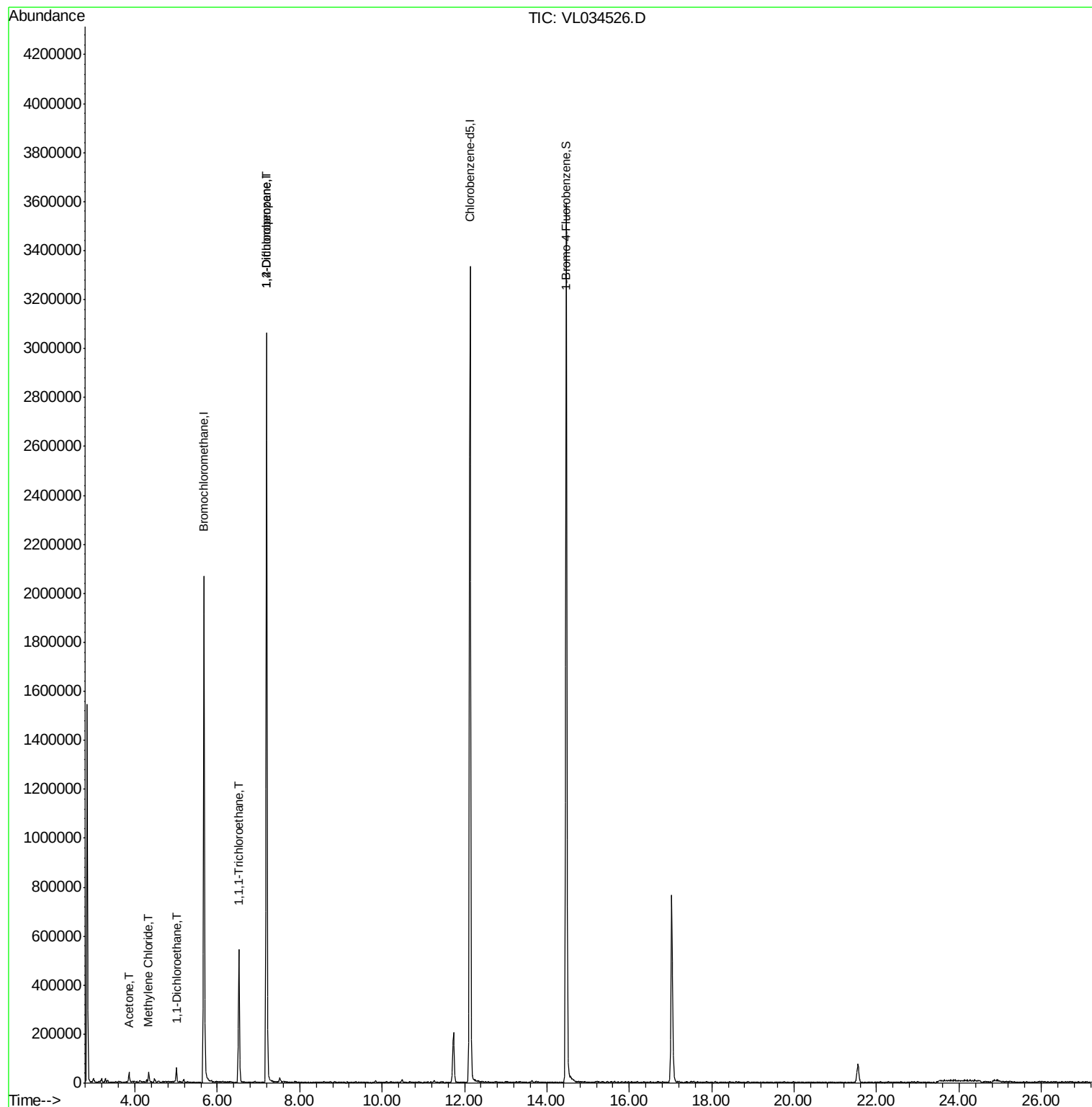
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Acetone	3.85	43	32299	0.234	ppbv	93
20) Methylene Chloride	4.34	84	10110	0.186	ppbv #	75
24) 1,1-Dichloroethane	5.01	63	40697	0.318	ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	311433	1.909	ppbv	98
39) 1,2-Dichloropropane	7.19	63	570420	8.385	ppbv #	22

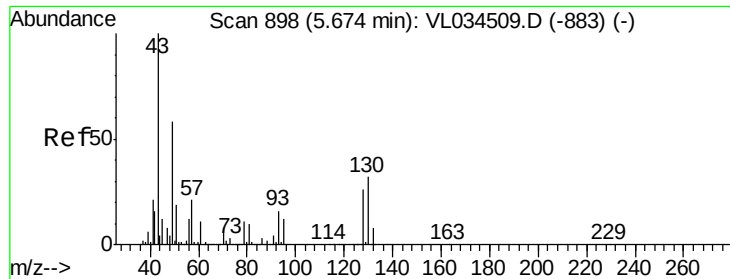
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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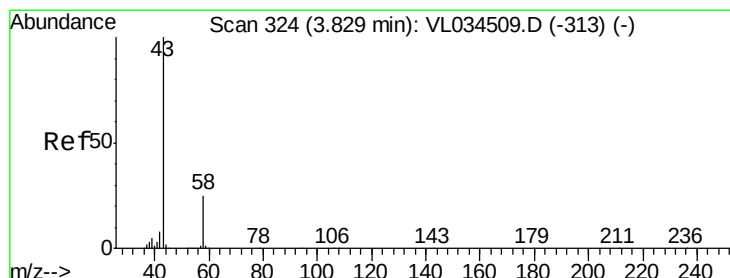
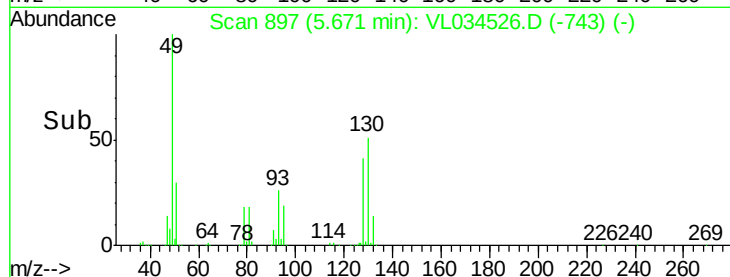
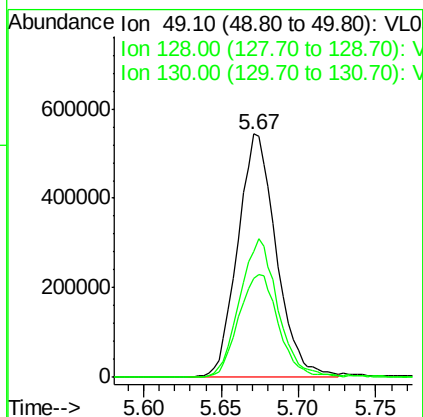
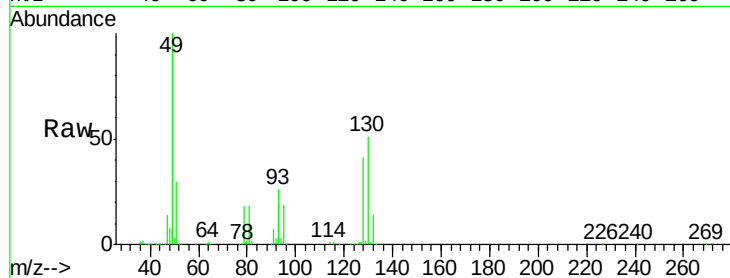




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 897
 Delta R.T. -0.00 min
 Lab File: VL034526.D
 Acq: 31 Dec 2019 00:25

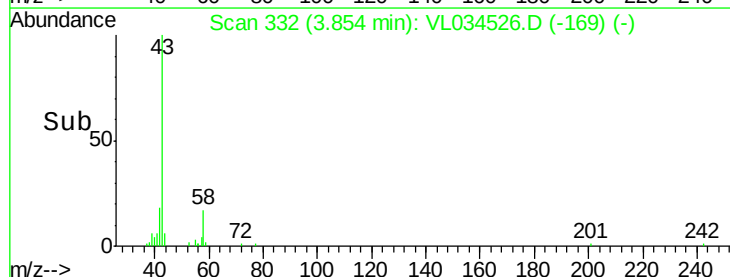
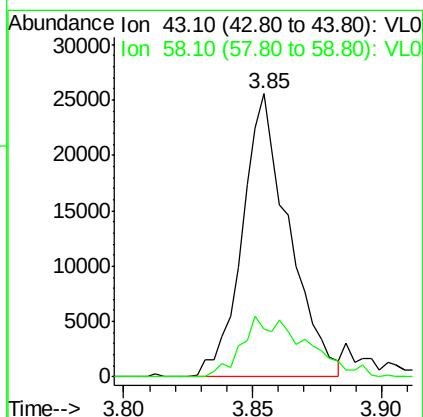
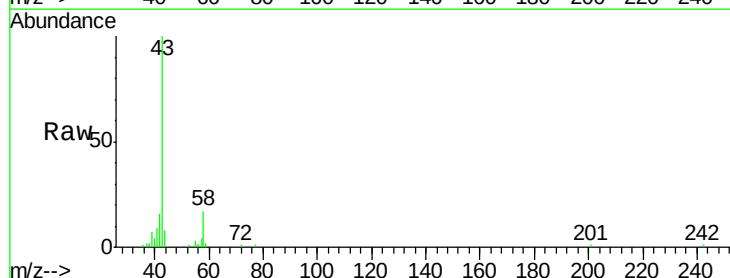
Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDL2

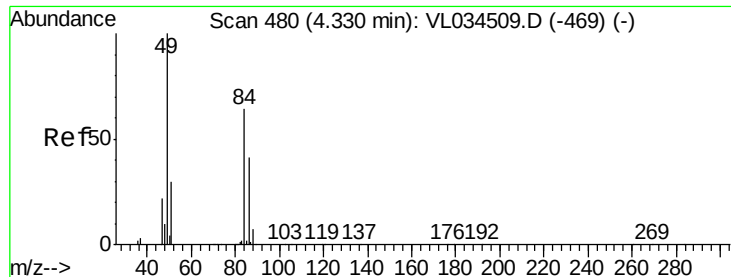
Tgt Ion: 49 Resp: 945566
 Ion Ratio Lower Upper
 49 100
 128 44.2 22.4 67.2
 130 56.7 28.3 85.0



#15
 Acetone
 Concen: 0.234 ppbv
 RT: 3.85 min Scan# 332
 Delta R.T. 0.03 min
 Lab File: VL034526.D
 Acq: 31 Dec 2019 00:25

Tgt Ion: 43 Resp: 32299
 Ion Ratio Lower Upper
 43 100
 58 29.2 20.4 30.6

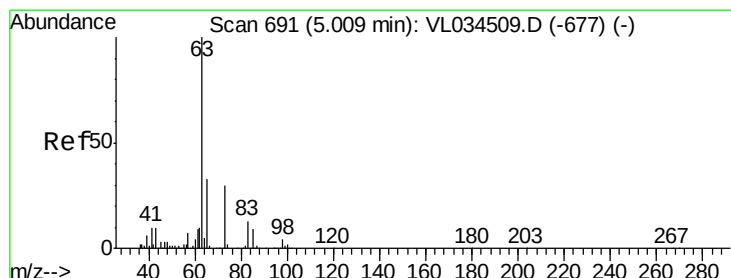
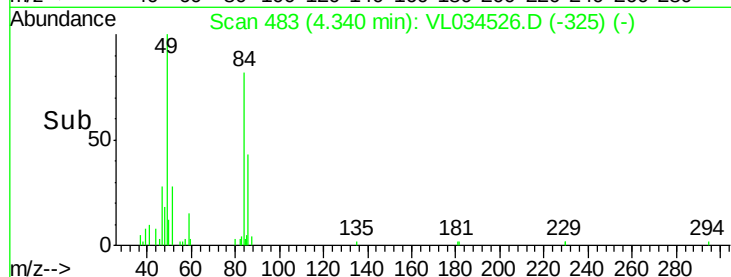
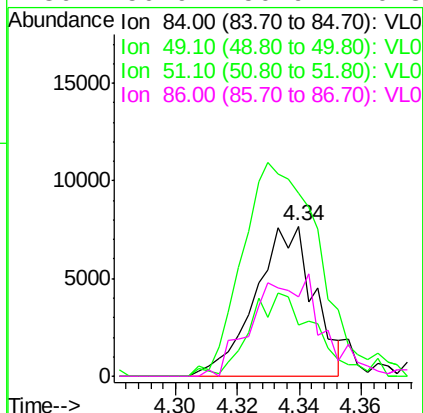
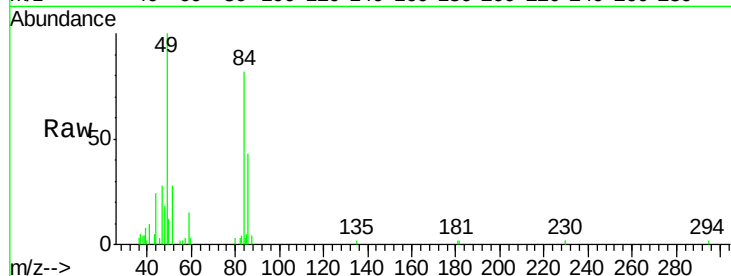




#20
Methylene Chloride
Concen: 0.186 ppbv
RT: 4.34 min Scan# 483
Delta R.T. 0.01 min
Lab File: VL034526.D
Acq: 31 Dec 2019 00:25

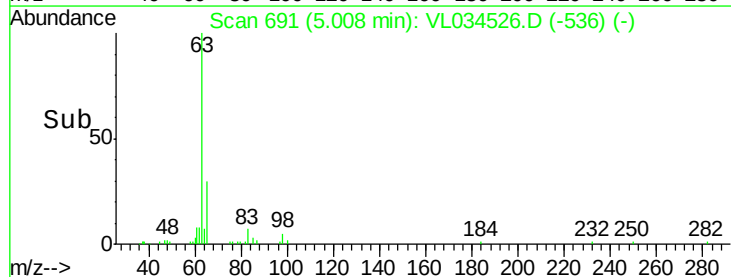
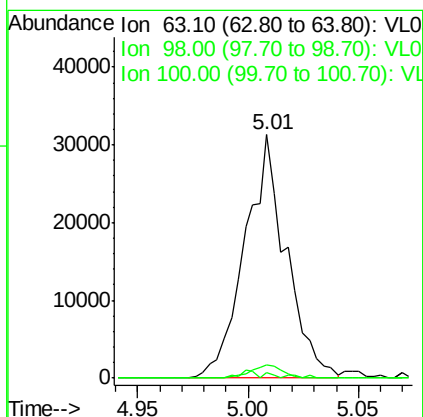
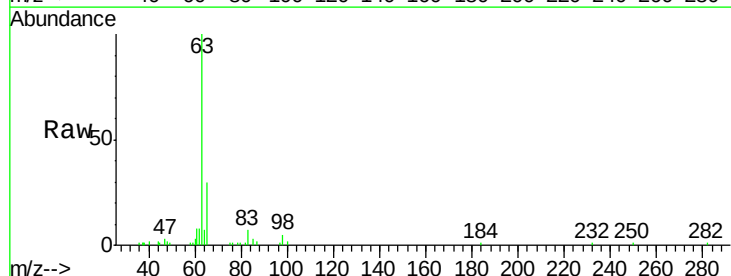
Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDL2

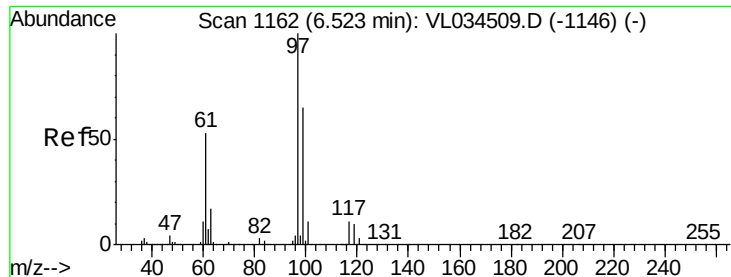
Tgt Ion: 84 Resp: 10110
Ion Ratio Lower Upper
84 100
49 117.2 124.4 186.6#
51 32.6 37.0 55.6#
86 50.9 50.9 76.3



#24
1,1-Dichloroethane
Concen: 0.318 ppbv
RT: 5.01 min Scan# 691
Delta R.T. -0.00 min
Lab File: VL034526.D
Acq: 31 Dec 2019 00:25

Tgt Ion: 63 Resp: 40697
Ion Ratio Lower Upper
63 100
98 5.2 2.1 6.3
100 2.1 1.1 3.3





#32

1,1,1-Trichloroethane

Concen: 1.909 ppbv

RT: 6.52 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VL034526.D

Acq: 31 Dec 2019 00:25

Instrument :

MSVOA_L

ClientSampleId :

INFLUENTDL2

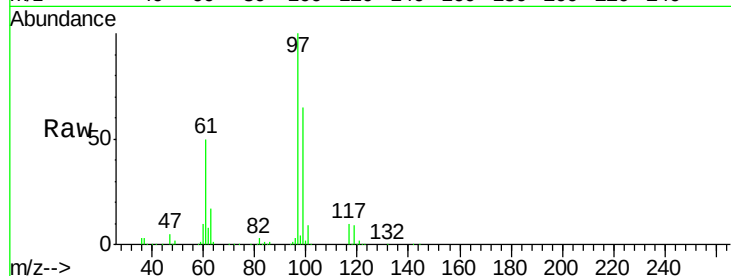
Tgt Ion: 97 Resp: 311433

Ion Ratio Lower Upper

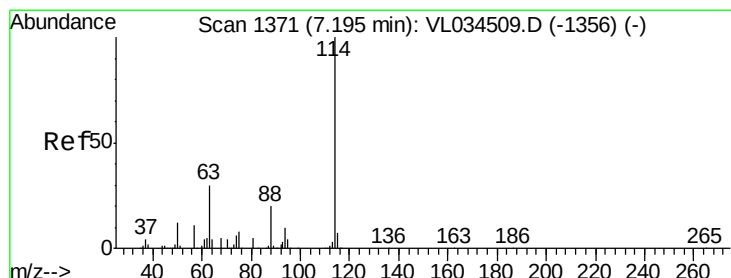
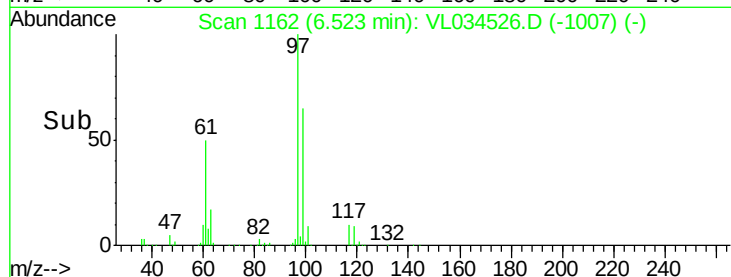
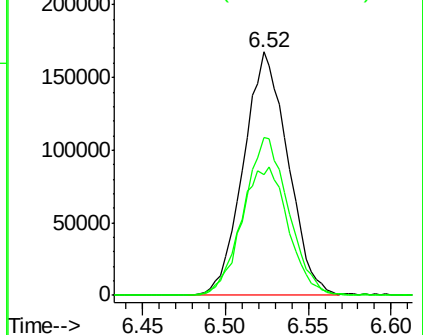
97 100

99 65.0 51.7 77.5

61 57.1 42.9 64.3



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VL034526.D

Acq: 31 Dec 2019 00:25

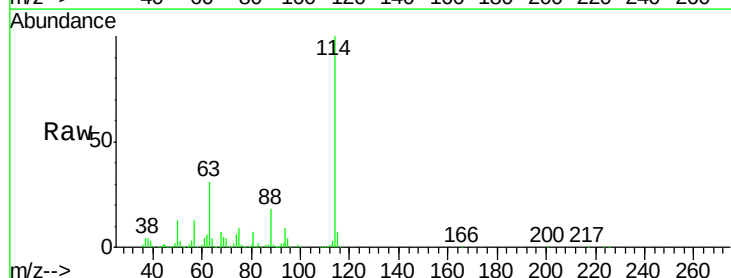
Tgt Ion: 114 Resp: 1897779

Ion Ratio Lower Upper

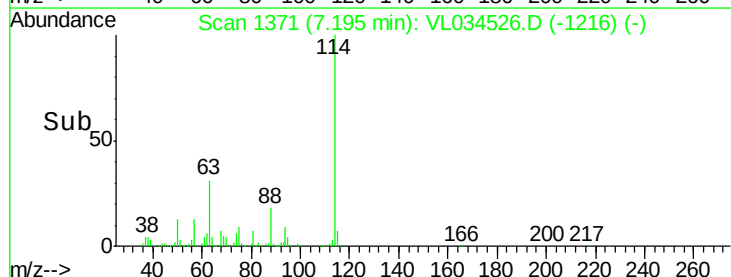
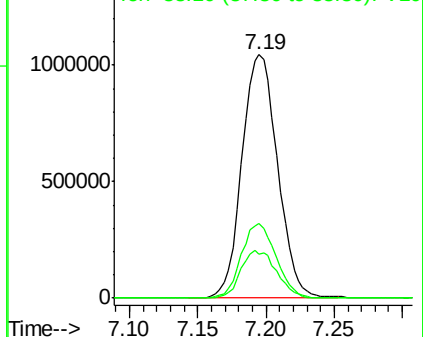
114 100

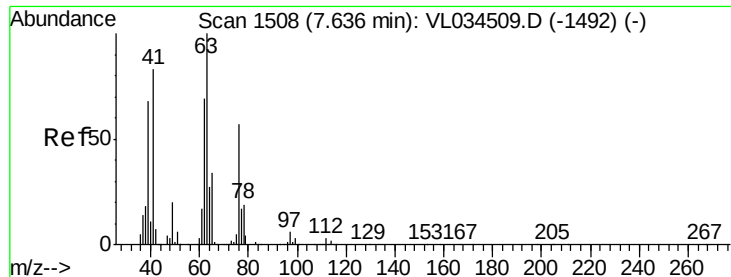
63 30.2 24.1 36.1

88 19.5 15.7 23.5



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: 8.385 ppbv

RT: 7.19 min Scan# 1371

Delta R.T. -0.44 min

Lab File: VL034526.D

Acq: 31 Dec 2019 00:25

Instrument :

MSVOA_L

ClientSampleId :

INFLUENTDL2

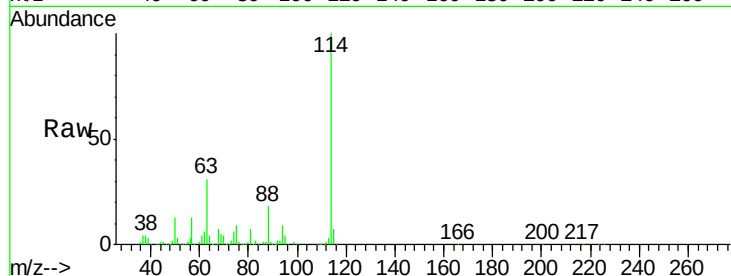
Tgt Ion: 63 Resp: 570420

Ion Ratio Lower Upper

63 100

41 0.0 66.1 99.1#

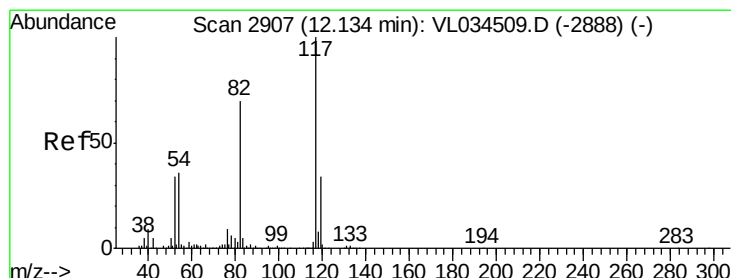
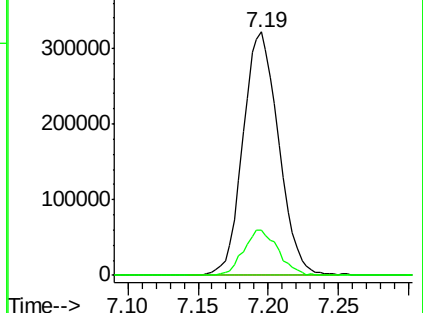
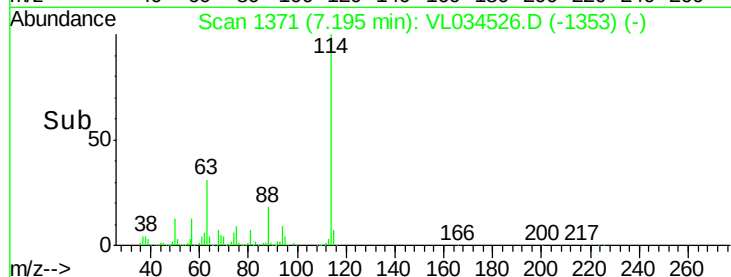
62 18.8 54.9 82.3#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.13 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VL034526.D

Acq: 31 Dec 2019 00:25

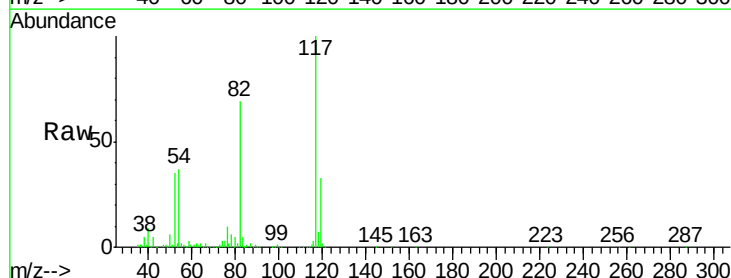
Tgt Ion: 117 Resp: 1886547

Ion Ratio Lower Upper

117 100

82 72.0 56.2 84.4

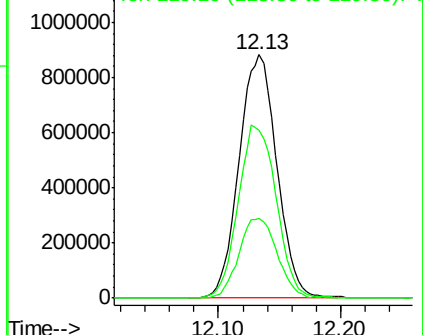
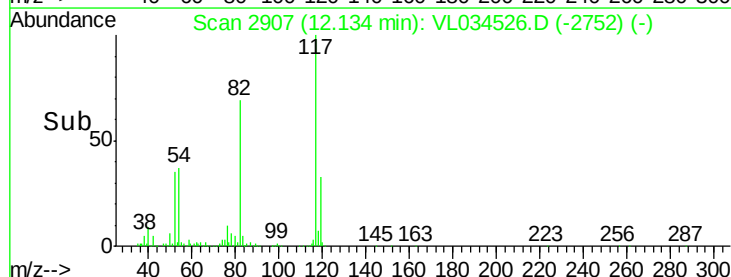
119 33.4 27.1 40.7

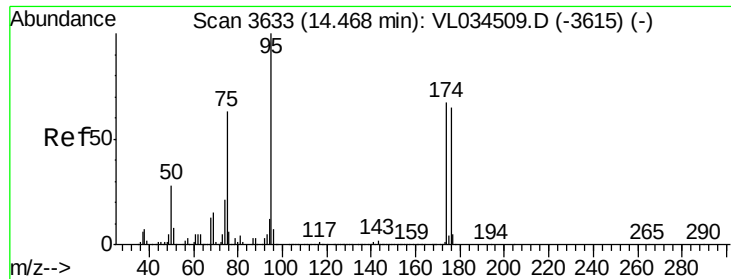


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.948 ppbv

RT: 14.47 min Scan# 3633

Delta R.T. -0.00 min

Lab File: VL034526.D

Acq: 31 Dec 2019 00:25

Instrument :

MSVOA_L

ClientSampleId :

INFLUENTDL2

Tgt Ion: 95 Resp: 1566115

Ion Ratio Lower Upper

95 100

174 64.1 52.4 78.6

175 4.7 3.9 5.9

