

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL123019\
 Data File : VL034523.D
 Acq On : 30 Dec 2019 22:28
 Operator : SY/AP
 Sample : K6388-02DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MIDDLE

Quant Time: Dec 31 05:01:57 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	955199	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	1919943	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	1899015	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1594016	10.06	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

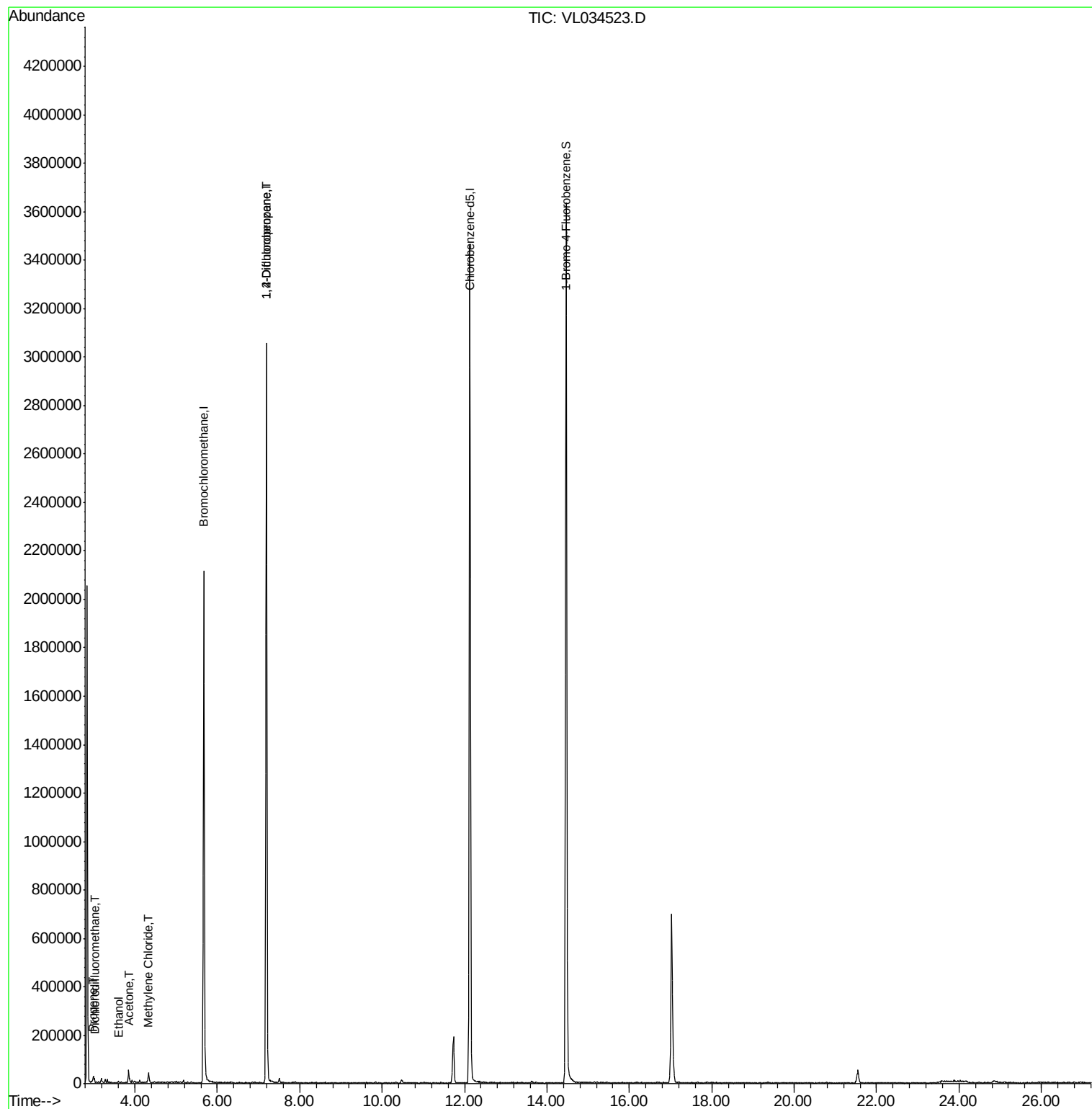
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.02	85	5026	0.033	ppbv	96
9) Propene	2.98	41	2327	0.053	ppbv #	15
13) Ethanol	3.59	45	503	0.041	ppbv #	38
15) Acetone	3.84	43	39572	0.284	ppbv #	86
20) Methylene Chloride	4.33	84	9099	0.166	ppbv	87
39) 1,2-Dichloropropane	7.19	63	564470	8.202	ppbv #	22

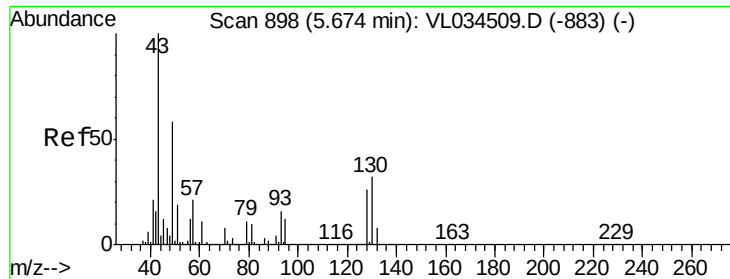
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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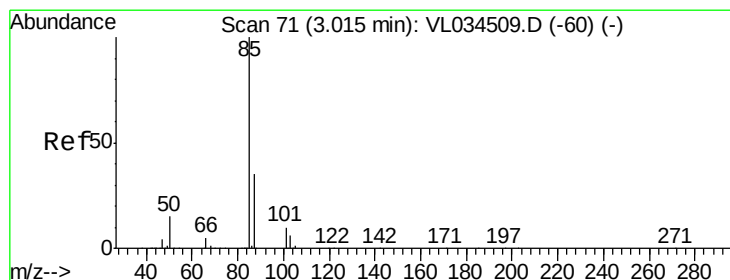
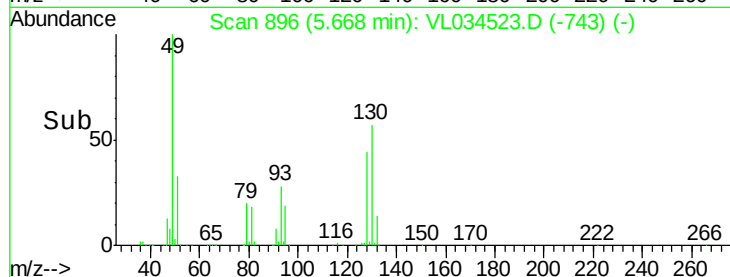
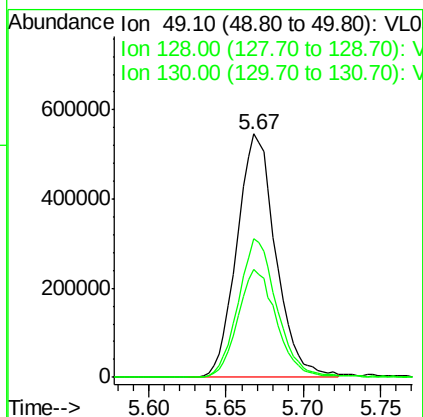
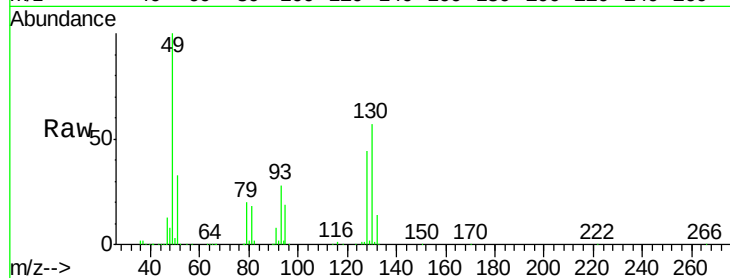




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: VL034523.D
 Acq: 30 Dec 2019 22:28

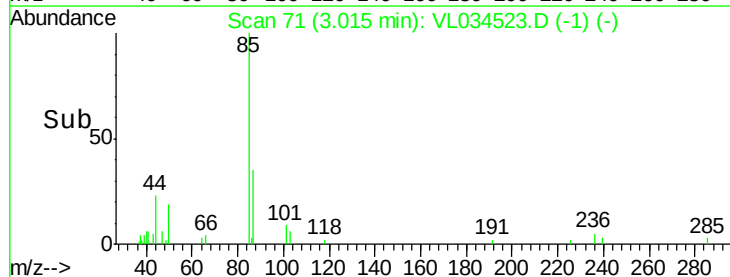
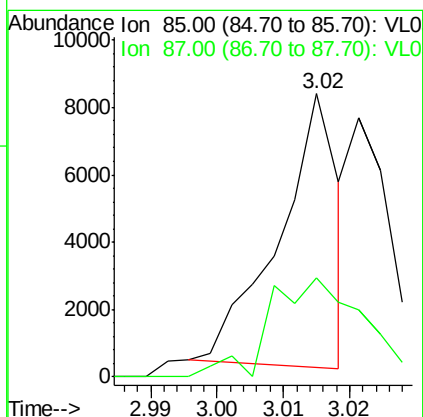
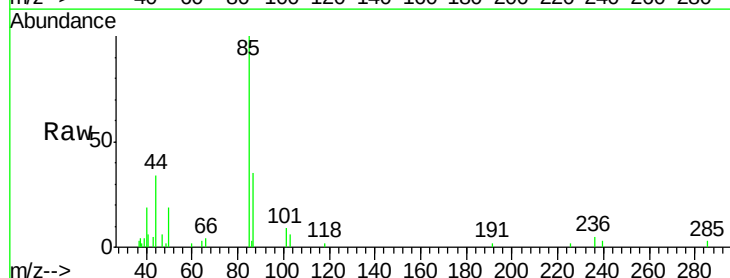
Instrument :
 MSVOA_L
 ClientSampleId :
 MIDDLE

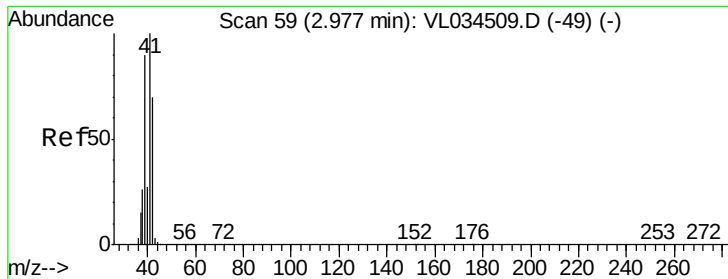
Tgt Ion: 49 Resp: 955199
 Ion Ratio Lower Upper
 49 100
 128 44.5 22.4 67.2
 130 57.1 28.3 85.0



#2
 Dichlorodifluoromethane
 Concen: 0.033 ppbv
 RT: 3.02 min Scan# 71
 Delta R.T. -0.00 min
 Lab File: VL034523.D
 Acq: 30 Dec 2019 22:28

Tgt Ion: 85 Resp: 5026
 Ion Ratio Lower Upper
 85 100
 87 37.3 27.9 41.9





#9

Propene

Concen: 0.053 ppbv

RT: 2.98 min Scan# 60

Delta R.T. 0.00 min

Lab File: VL034523.D

Acq: 30 Dec 2019 22:28

Instrument :

MSVOA_L

ClientSampleId :

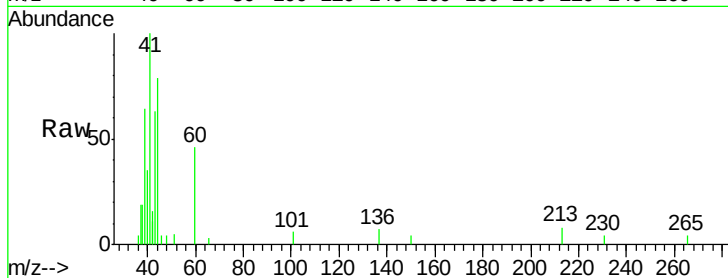
MIDDLE

Tgt Ion: 41 Resp: 2327

Ion Ratio Lower Upper

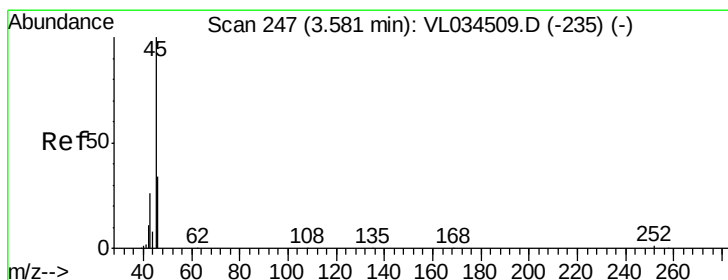
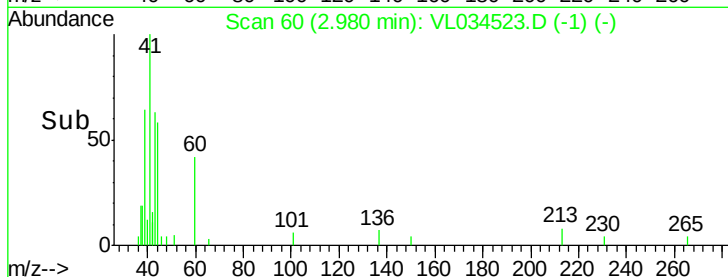
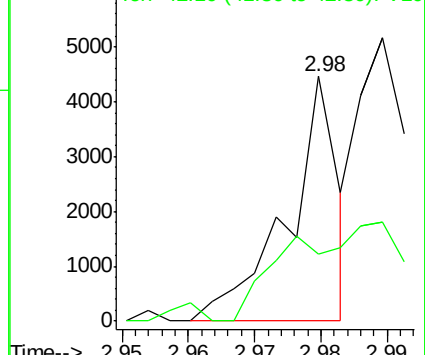
41 100

42 0.0 55.8 83.6#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#13

Ethanol

Concen: 0.041 ppbv

RT: 3.59 min Scan# 250

Delta R.T. 0.01 min

Lab File: VL034523.D

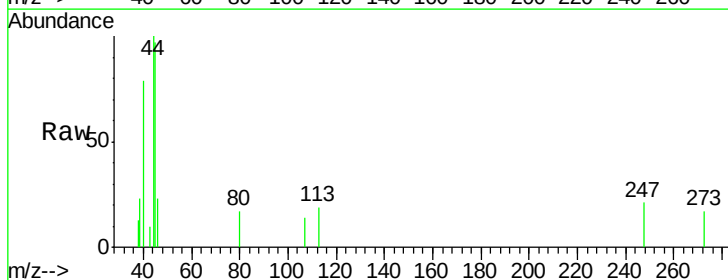
Acq: 30 Dec 2019 22:28

Tgt Ion: 45 Resp: 503

Ion Ratio Lower Upper

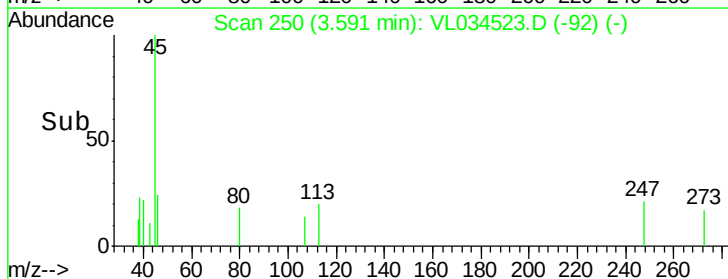
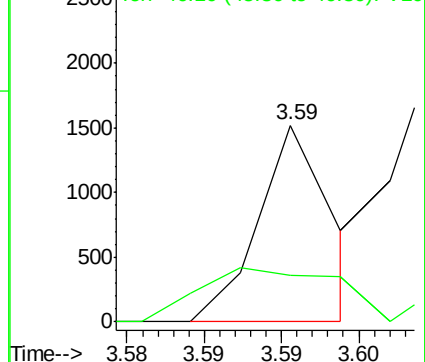
45 100

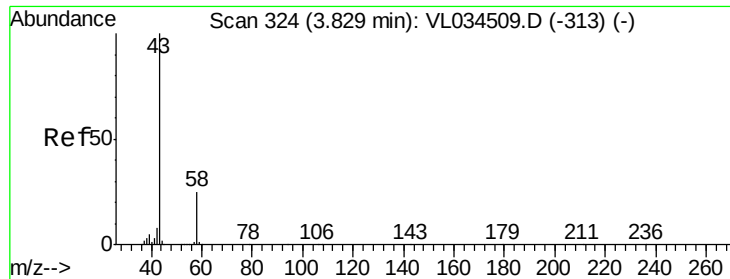
46 0.0 14.9 59.7#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.284 ppbv

RT: 3.84 min Scan# 329

Delta R.T. 0.02 min

Lab File: VL034523.D

Acq: 30 Dec 2019 22:28

Instrument :

MSVOA_L

ClientSampleId :

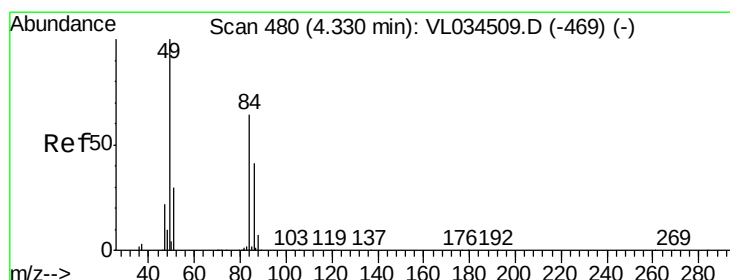
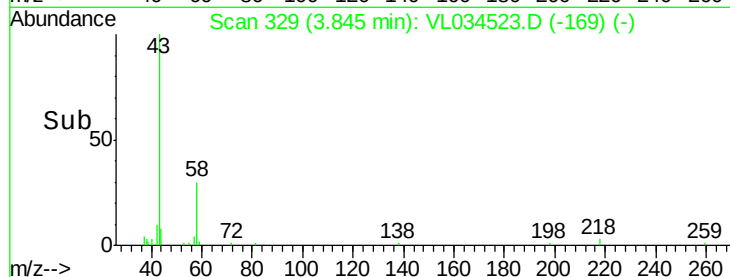
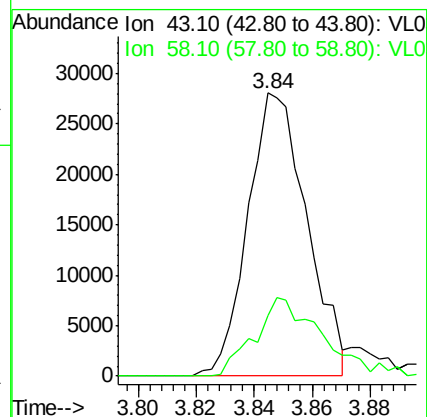
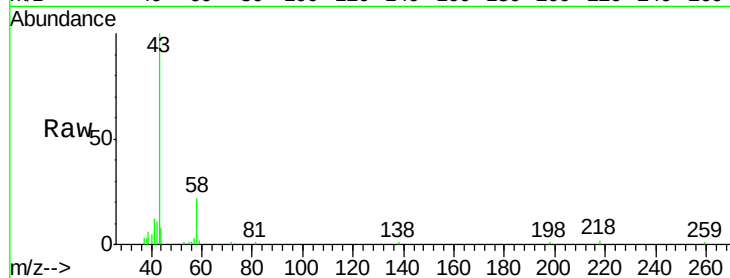
MIDDLE

Tgt Ion: 43 Resp: 39572

Ion Ratio Lower Upper

43 100

58 32.4 20.4 30.6#



#20

Methylene Chloride

Concen: 0.166 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.00 min

Lab File: VL034523.D

Acq: 30 Dec 2019 22:28

Tgt Ion: 84 Resp: 9099

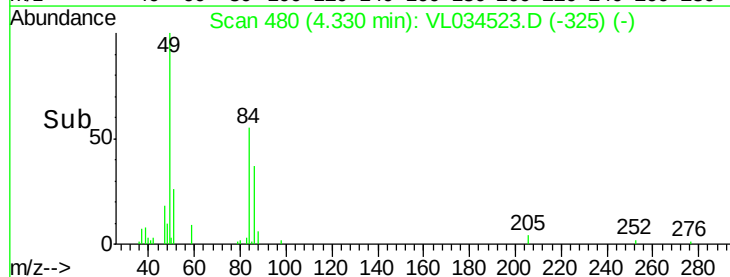
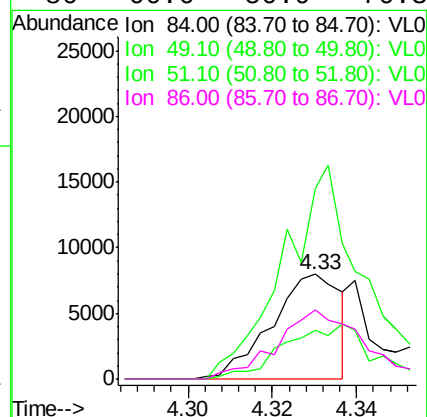
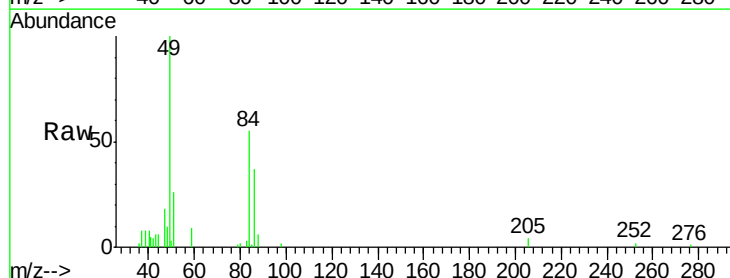
Ion Ratio Lower Upper

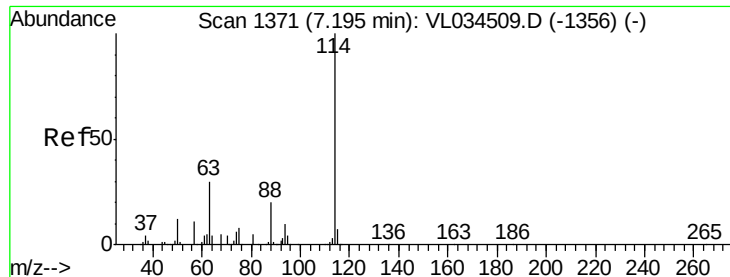
84 100

49 182.4 124.4 186.6

51 47.0 37.0 55.6

86 66.6 50.9 76.3

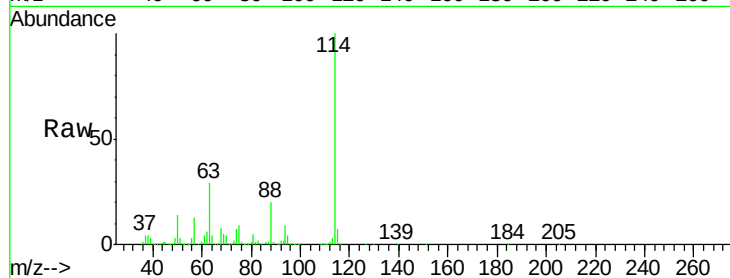




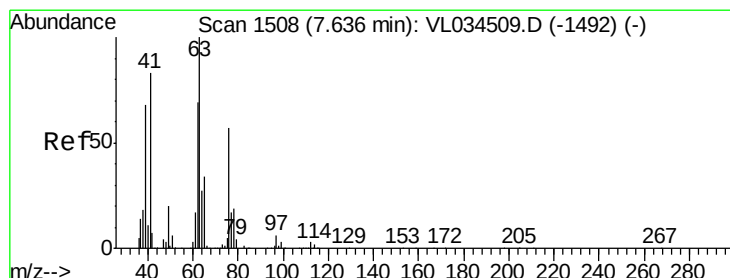
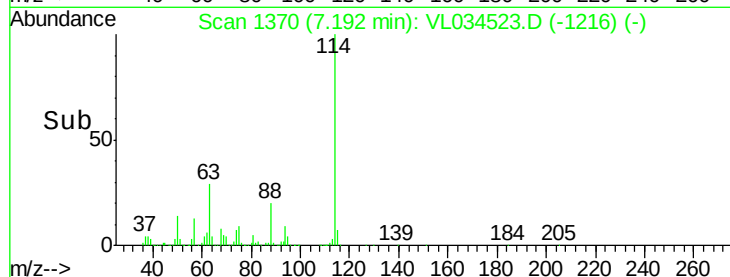
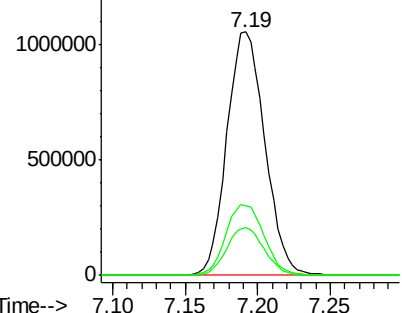
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. -0.00 min
 Lab File: VL034523.D
 Acq: 30 Dec 2019 22:28

Instrument :
 MSVOA_L
 ClientSampleId :
 MIDDLE

Tgt Ion: 114 Resp: 1919943
 Ion Ratio Lower Upper
 114 100
 63 29.5 24.1 36.1
 88 19.5 15.7 23.5

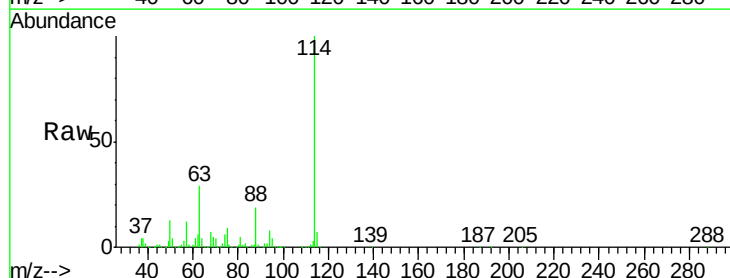


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

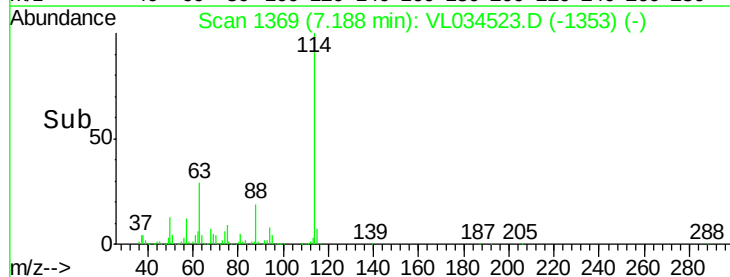
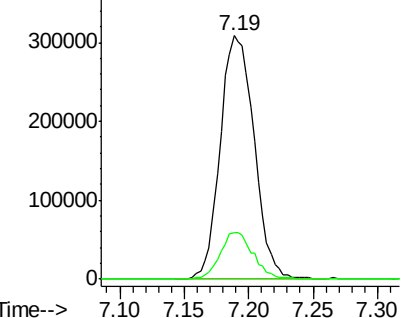


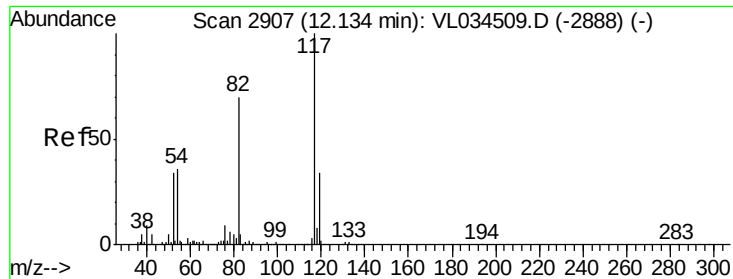
#39
 1,2-Dichloropropane
 Concen: 8.202 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. -0.45 min
 Lab File: VL034523.D
 Acq: 30 Dec 2019 22:28

Tgt Ion: 63 Resp: 564470
 Ion Ratio Lower Upper
 63 100
 41 0.1 66.1 99.1#
 62 19.2 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

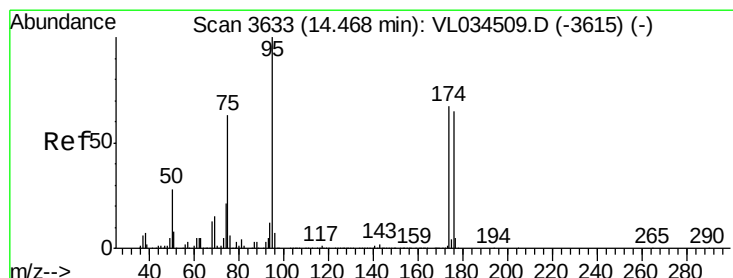
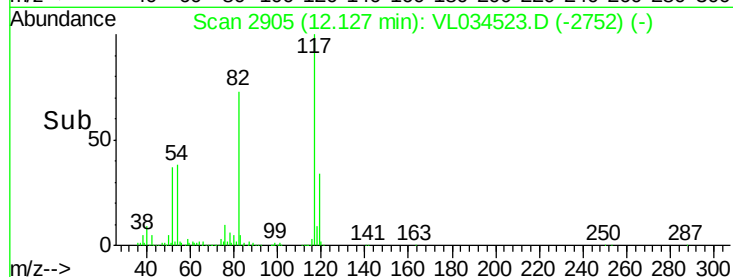
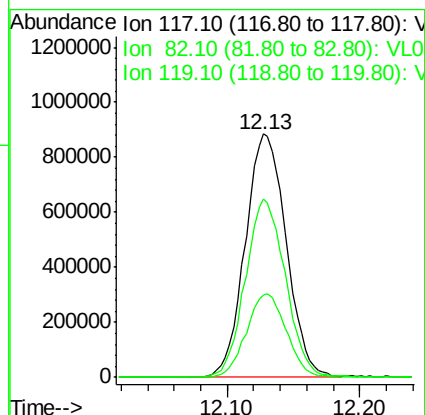
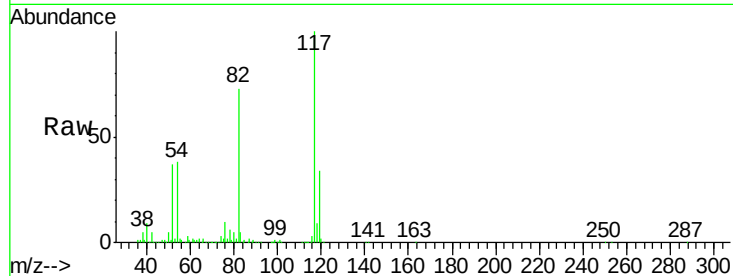




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.01 min
Lab File: VL034523.D
Acq: 30 Dec 2019 22:28

Instrument :
MSVOA_L
ClientSampleId :
MIDDLE

Tgt Ion: 117 Resp: 1899015
Ion Ratio Lower Upper
117 100
82 72.1 56.2 84.4
119 33.5 27.1 40.7



#68
1-Bromo-4-Fluorobenzene
Concen: 10.059 ppbv
RT: 14.46 min Scan# 3632
Delta R.T. -0.00 min
Lab File: VL034523.D
Acq: 30 Dec 2019 22:28

Tgt Ion: 95 Resp: 1594016
Ion Ratio Lower Upper
95 100
174 63.5 52.4 78.6
175 4.5 3.9 5.9

