

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120919\
 Data File : VL034489.D
 Acq On : 10 Dec 2019 9:44
 Operator : SY/AP
 Sample : OC120919 CAN 10488
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 10 13:17:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019
 QLast Update : Tue Nov 19 14:15:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	867083	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.20	114	1701057	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	1675081	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1431583	10.16	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

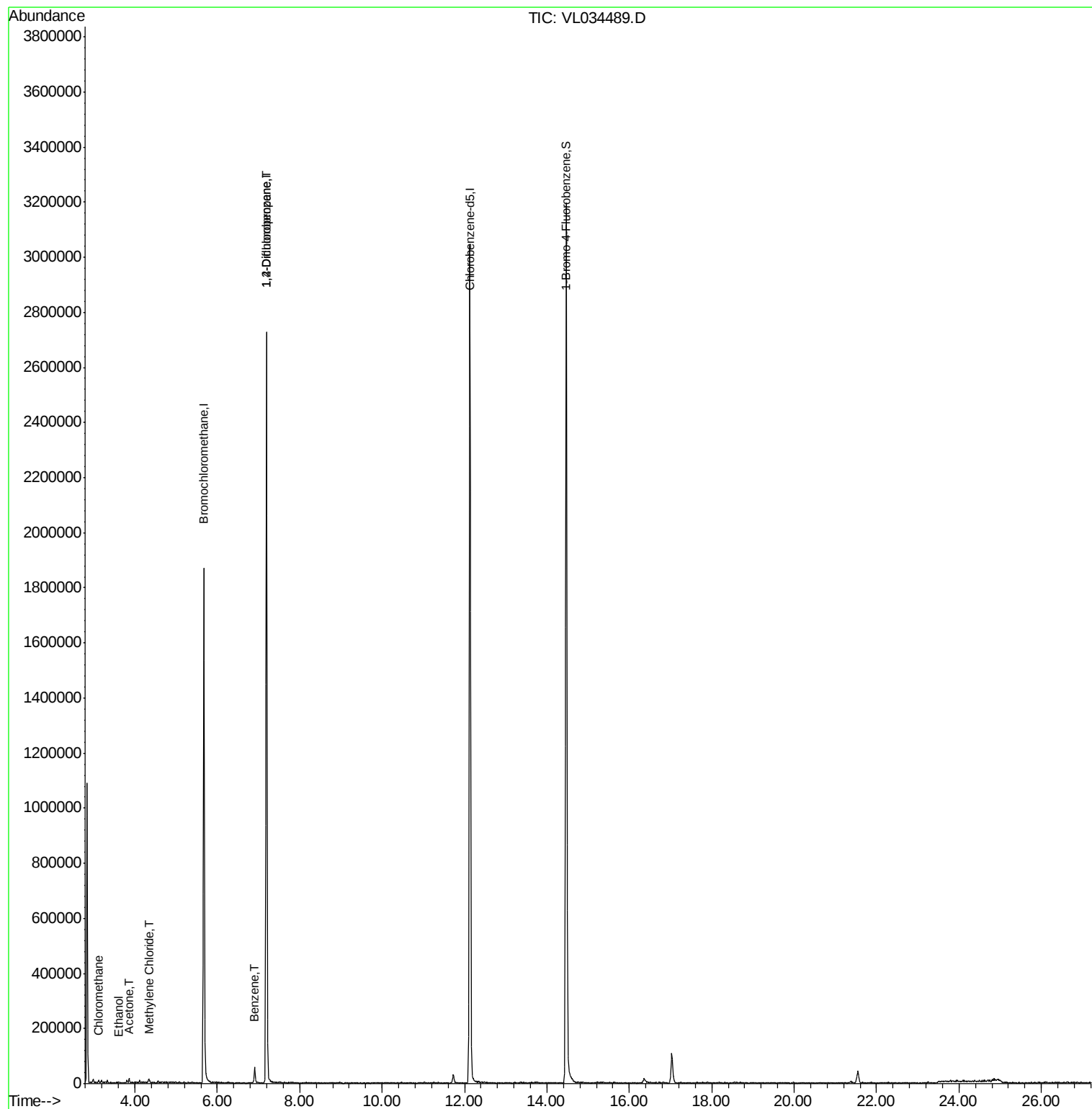
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.11	50	3964	0.062	ppbv #	60
13) Ethanol	3.60	45	792	0.059	ppbv #	40
15) Acetone	3.86	43	7950	0.064	ppbv #	61
20) Methylene Chloride	4.33	84	2103	0.048	ppbv #	56
36) Benzene	6.91	78	35993	0.212	ppbv #	91
39) 1,2-Dichloropropane	7.19	63	503904	7.692	ppbv #	23

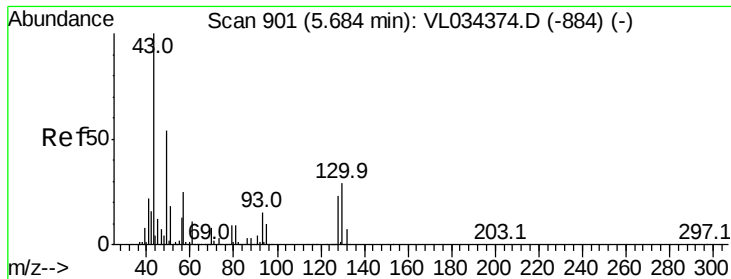
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL120919\
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.01 min

Lab File: VL034489.D

Acq: 10 Dec 2019 9:44

Instrument :
MSVOA_L
ClientSampleId :

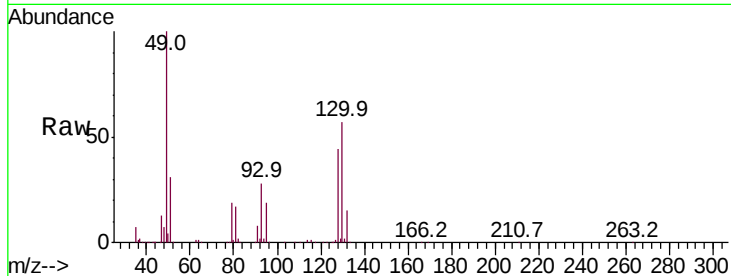
Tot Ion: 49 Resp: 867083

Ion Ratio Lower Upper

49 100

128 43.9 21.8 65.3

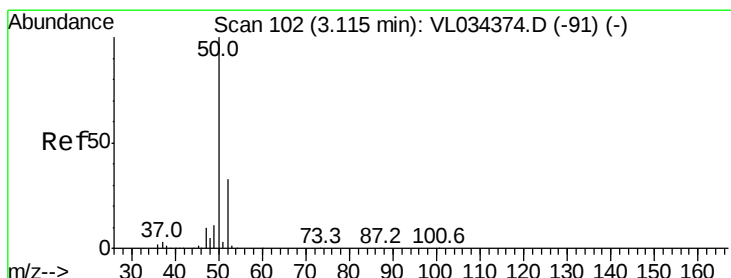
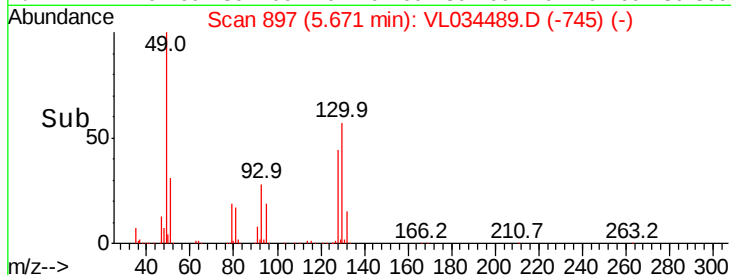
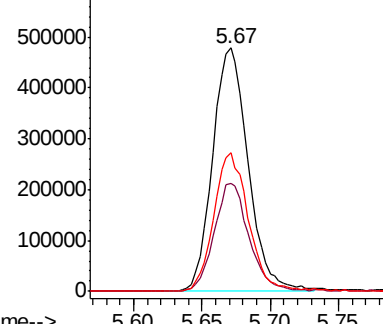
130 56.1 28.0 84.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#4

Chloromethane

Concen: 0.062 ppbv

RT: 3.11 min Scan# 102

Delta R.T. 0.00 min

Lab File: VL034489.D

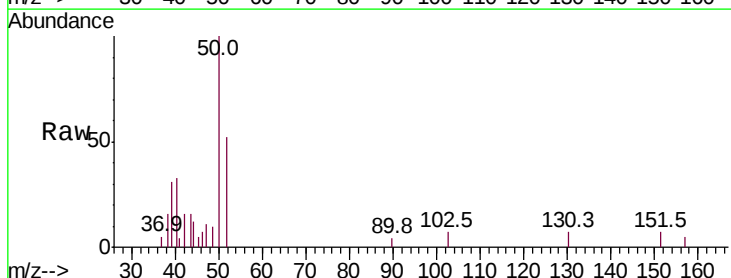
Acq: 10 Dec 2019 9:44

Tgt Ion: 50 Resp: 3964

Ion Ratio Lower Upper

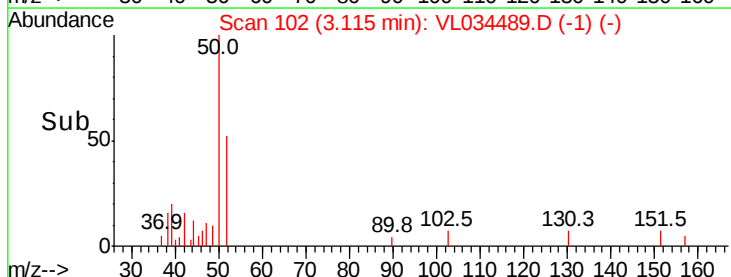
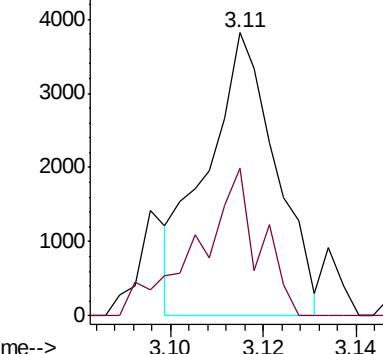
50 100

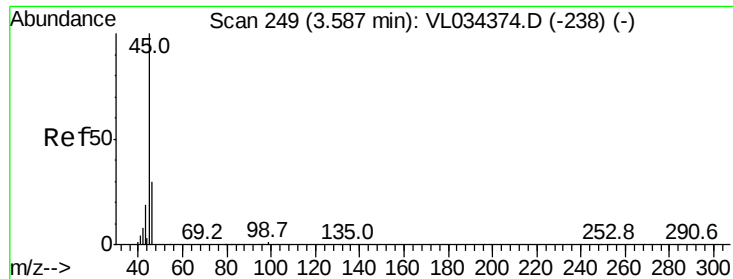
52 56.4 26.8 40.2#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#13

Ethanol

Concen: 0.059 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.02 min

Lab File: VL034489.D

Acq: 10 Dec 2019 9:44

Instrument :

MSVOA_L

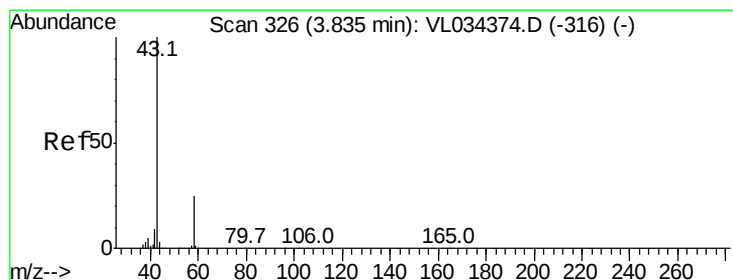
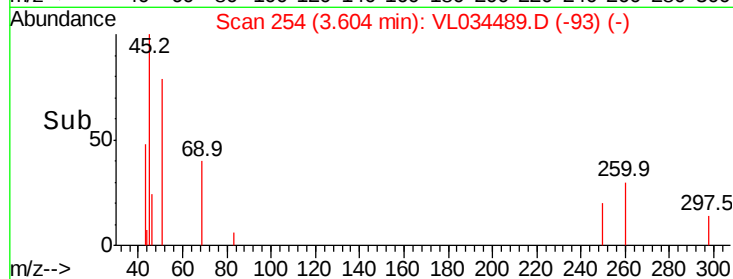
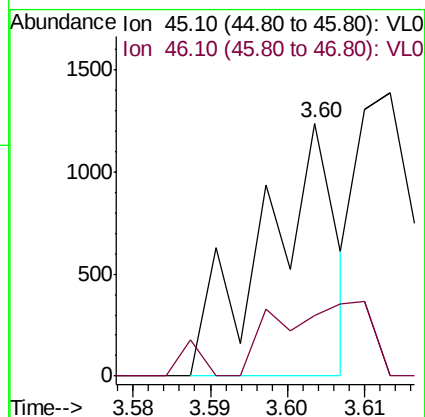
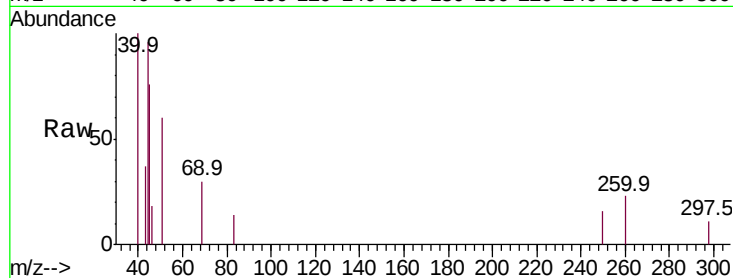
ClientSampleId :

Tot Ion: 45 Resp: 792

Ion Ratio Lower Upper

45 100

46 0.0 13.8 55.4#



#15

Acetone

Concen: 0.064 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.02 min

Lab File: VL034489.D

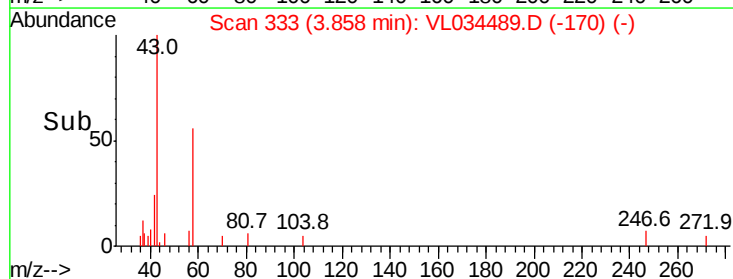
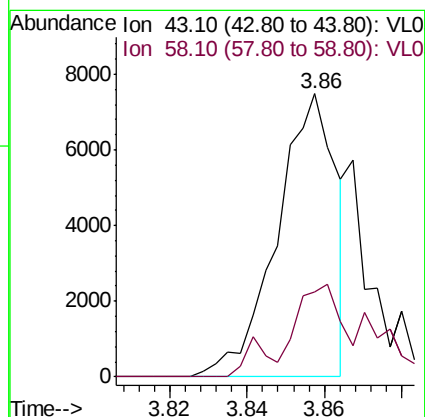
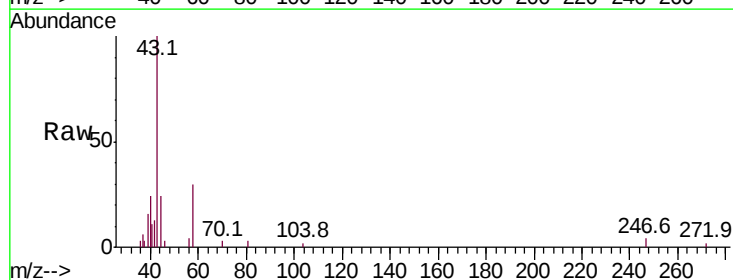
Acq: 10 Dec 2019 9:44

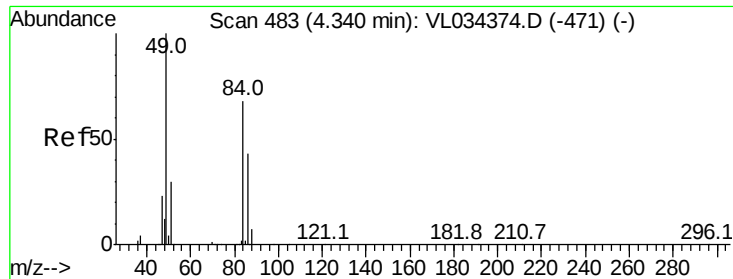
Tgt Ion: 43 Resp: 7950

Ion Ratio Lower Upper

43 100

58 45.2 20.2 30.4#

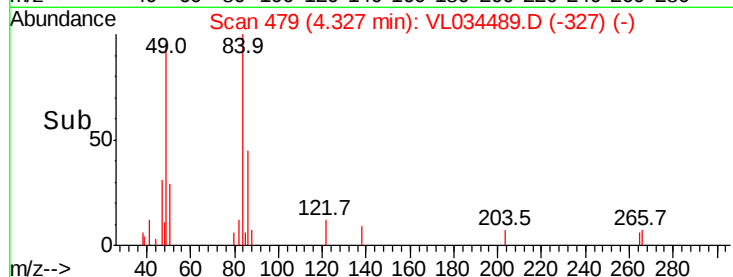
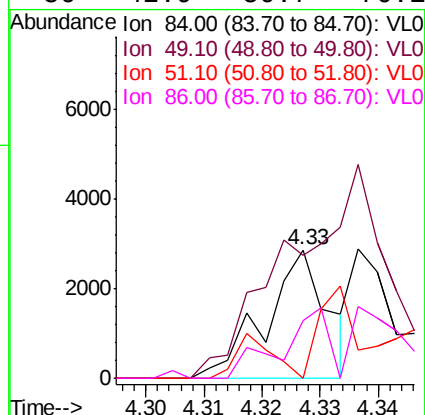
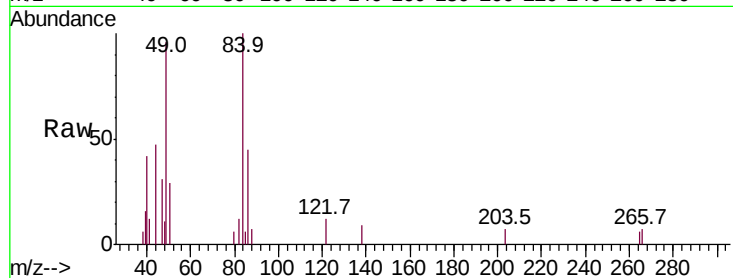




#20
Methylene Chloride
Concen: 0.048 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.01 min
Lab File: VL034489.D
Acq: 10 Dec 2019 9:44

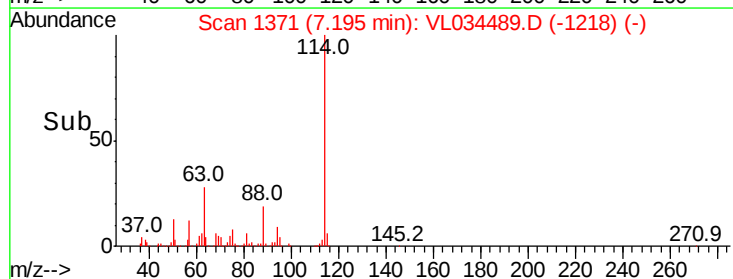
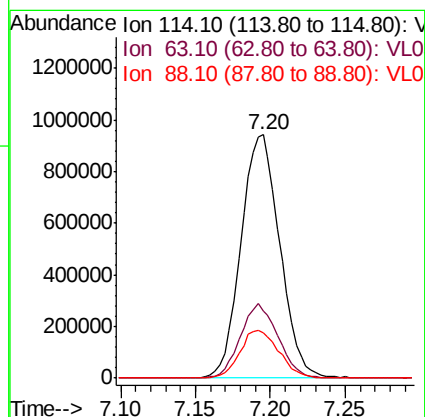
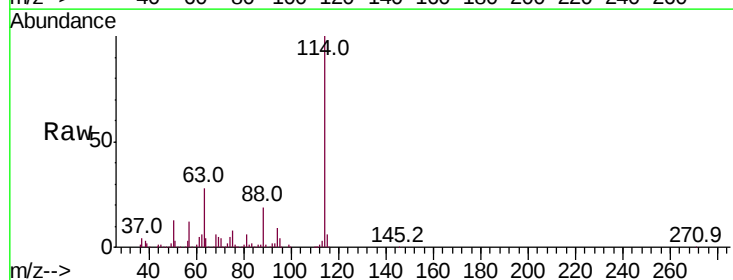
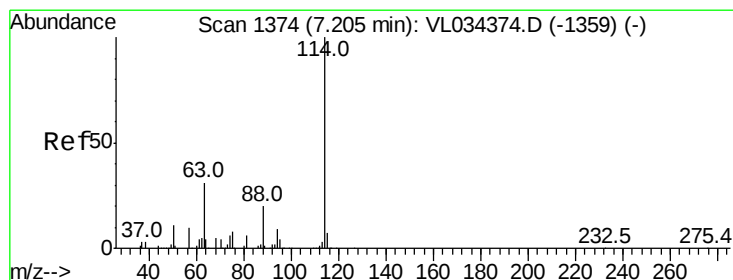
Instrument :
MSVOA_L
ClientSampleId :

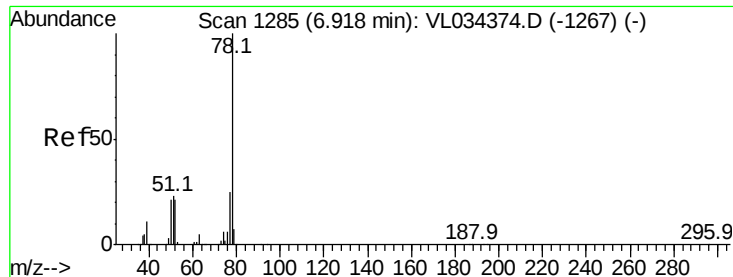
Tot Ion:	84	Resp:	2103
Ion	Ratio	Lower	Upper
84	100		
49	90.4	116.8	175.2#
51	0.0	35.6	53.4#
86	42.9	50.7	76.1#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1371
Delta R.T. -0.01 min
Lab File: VL034489.D
Acq: 10 Dec 2019 9:44

Tgt Ion:	114	Resp:	1701057
Ion	Ratio	Lower	Upper
114	100		
63	29.8	24.2	36.4
88	19.8	15.9	23.9





#36

Benzene

Concen: 0.212 ppbv

RT: 6.91 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VL034489.D

Acq: 10 Dec 2019 9:44

Instrument :

MSVOA_L

ClientSampleId :

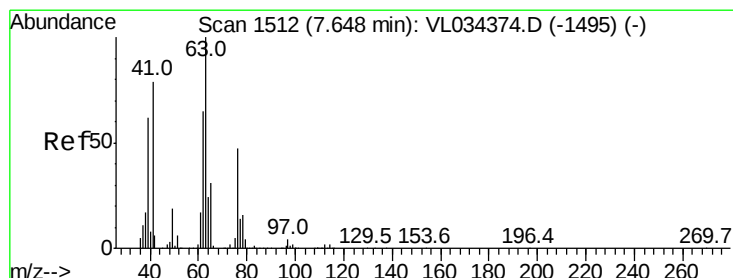
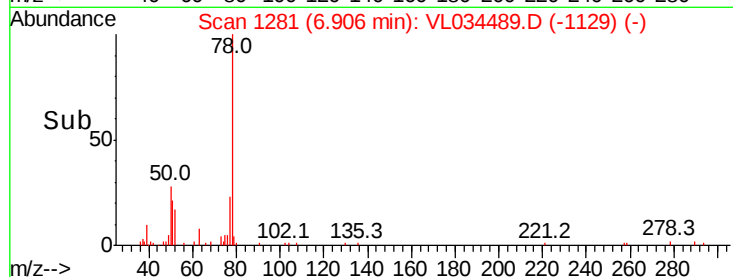
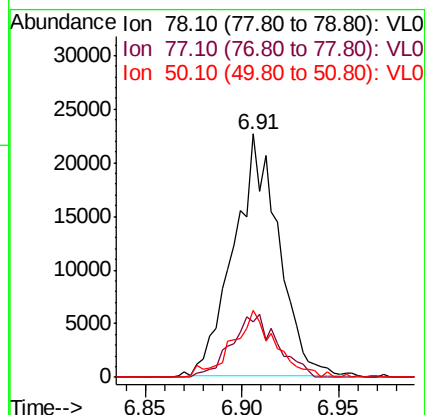
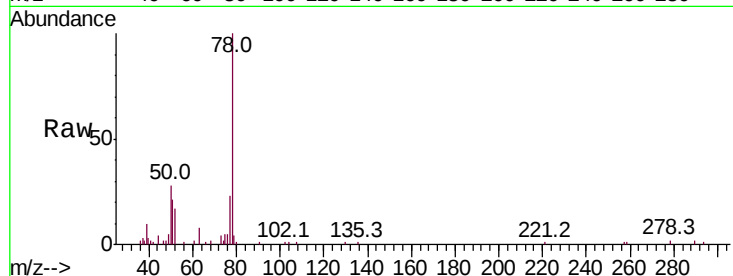
Tot Ion: 78 Resp: 35993

Ion Ratio Lower Upper

78 100

77 22.9 20.2 30.4

50 27.9 17.1 25.7#



#39

1,2-Dichloropropane

Concen: 7.692 ppbv

RT: 7.19 min Scan# 1370

Delta R.T. -0.46 min

Lab File: VL034489.D

Acq: 10 Dec 2019 9:44

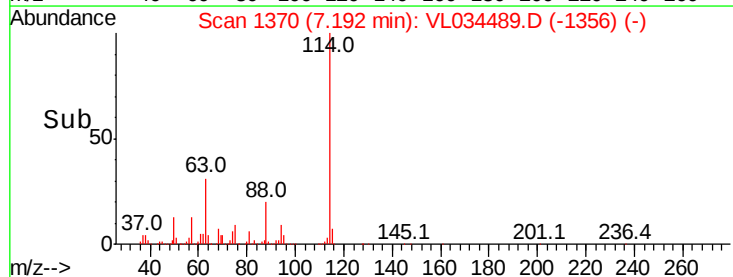
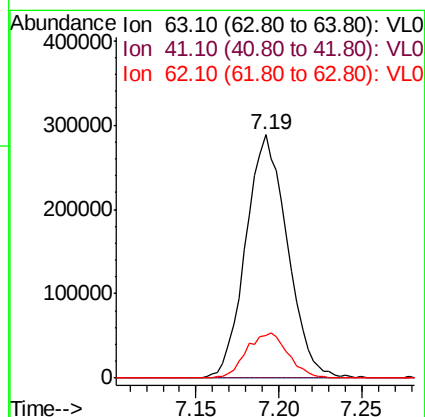
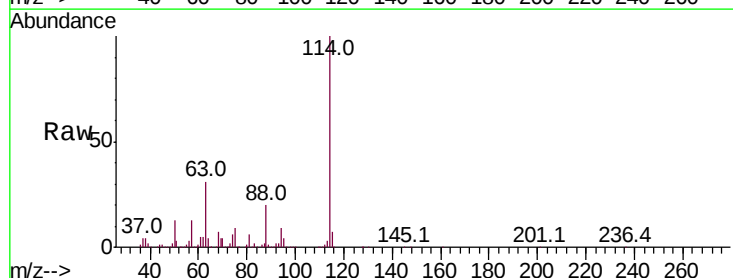
Tgt Ion: 63 Resp: 503904

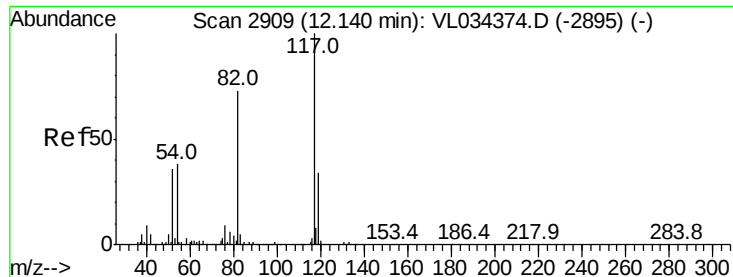
Ion Ratio Lower Upper

63 100

41 0.0 63.1 94.7#

62 17.5 52.3 78.5#

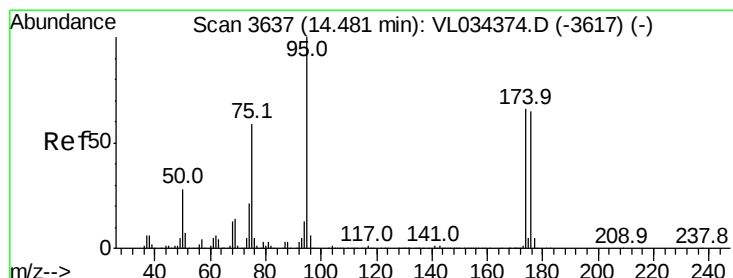
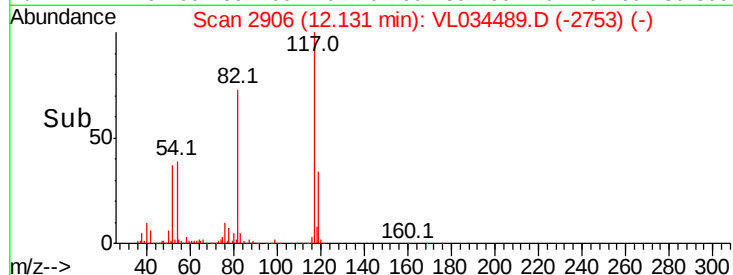
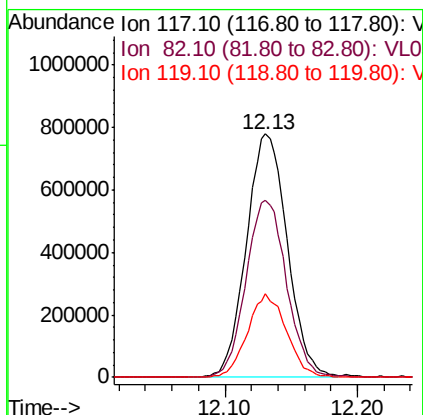
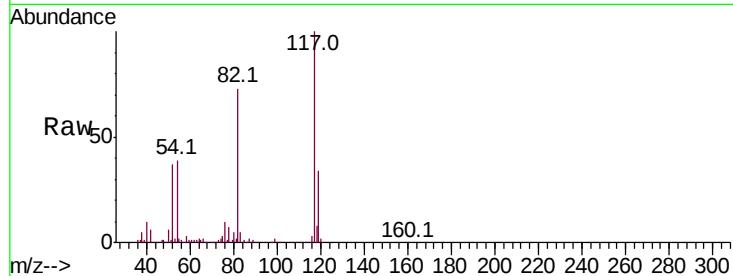




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. -0.01 min
Lab File: VL034489.D
Acq: 10 Dec 2019 9:44

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 1675081
Ion Ratio Lower Upper
117 100
82 72.5 57.5 86.3
119 32.8 25.4 38.2



#68
1-Bromo-4-Fluorobenzene
Concen: 10.159 ppbv
RT: 14.47 min Scan# 3633
Delta R.T. -0.01 min
Lab File: VL034489.D
Acq: 10 Dec 2019 9:44

Tgt Ion: 95 Resp: 1431583
Ion Ratio Lower Upper
95 100
174 64.8 52.2 78.2
175 4.6 3.8 5.8

