

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121718\
 Data File : VL033000.D
 Acq On : 17 Dec 2018 17:53
 Operator : SY/AP
 Sample : OC121318 CAN 10323
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 18 01:15:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 07 09:35:17 2018
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1006232	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2343730	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2598421	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2043982	10.65	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.50%

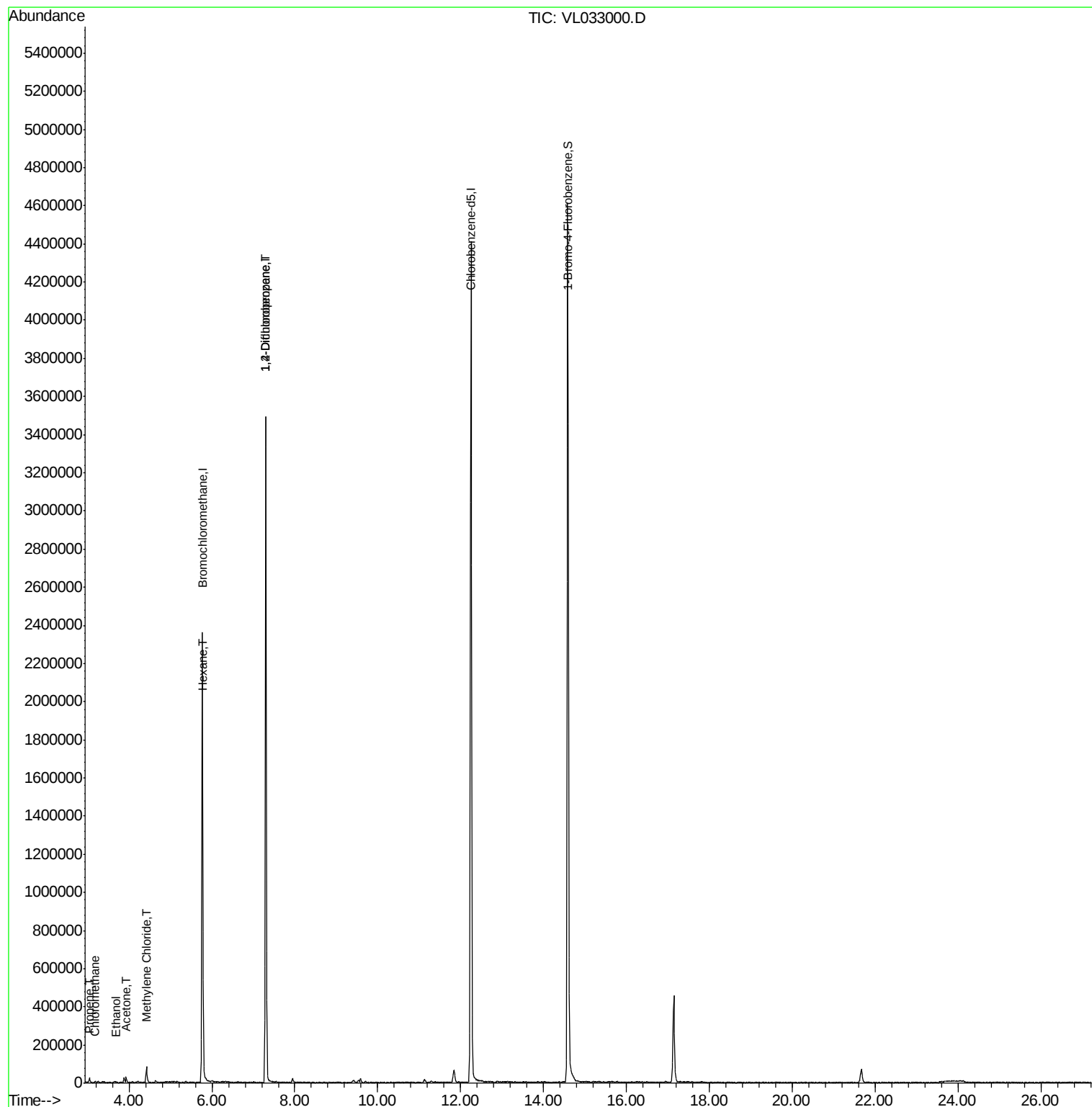
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.17	50	3301	0.074	ppbv #	88
9) Propene	3.04	41	1103	0.037	ppbv #	15
13) Ethanol	3.68	45	708	0.068	ppbv #	40
15) Acetone	3.93	43	30948	0.358	ppbv	98
20) Methylene Chloride	4.42	84	26987	0.639	ppbv #	92
26) Hexane	5.79	57	3290	0.035	ppbv #	1
39) 1,2-Dichloropropane	7.30	63	589589	9.018	ppbv #	21

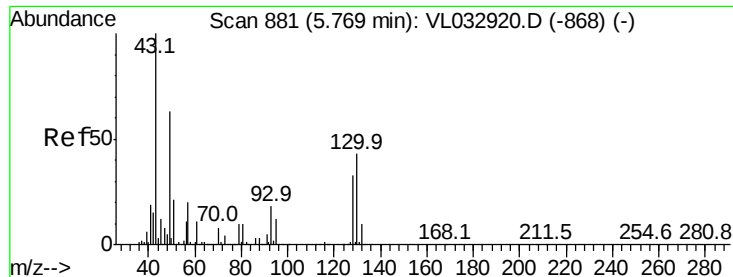
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 881

Delta R.T. 0.00 min

Lab File: VL033000.D

Acq: 17 Dec 2018 17:53

Instrument :
MSVOA_L
ClientSampled :

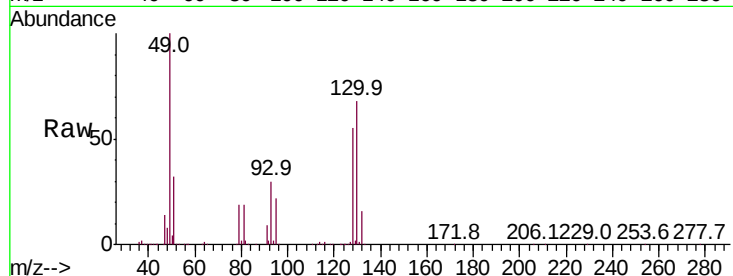
Tot Ion: 49 Resp: 1006232

Ion Ratio Lower Upper

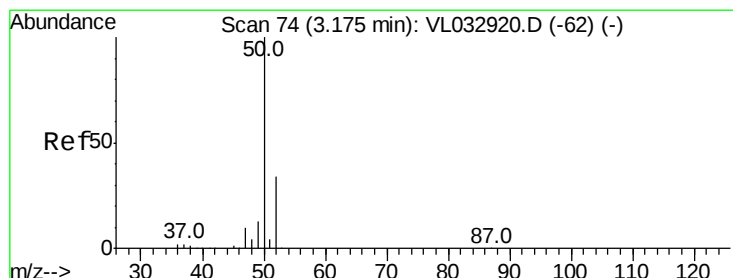
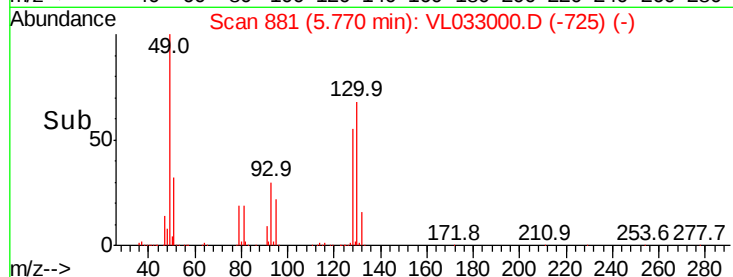
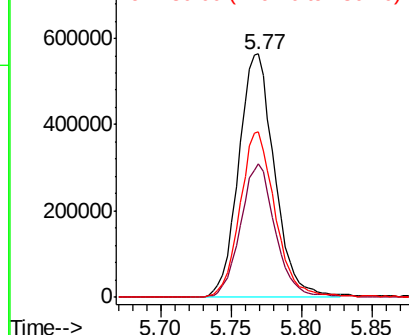
49 100

128 53.7 26.3 78.8

130 67.7 33.9 101.7



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: 0.074 ppbv

RT: 3.17 min Scan# 74

Delta R.T. 0.00 min

Lab File: VL033000.D

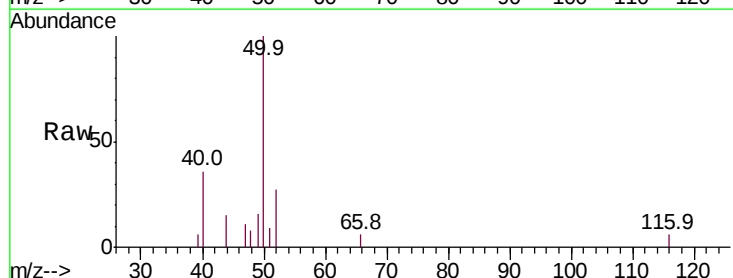
Acq: 17 Dec 2018 17:53

Tgt Ion: 50 Resp: 3301

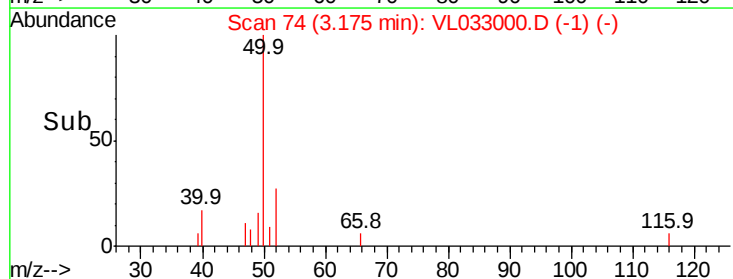
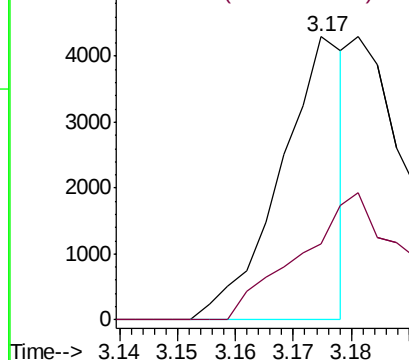
Ion Ratio Lower Upper

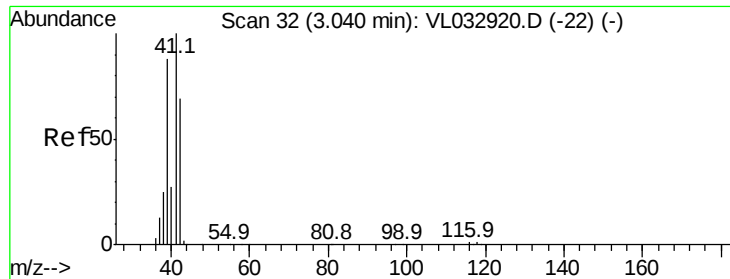
50 100

52 27.0 27.3 40.9#



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.037 ppbv

RT: 3.04 min Scan# 31

Delta R.T. -0.00 min

Lab File: VL033000.D

Acq: 17 Dec 2018 17:53

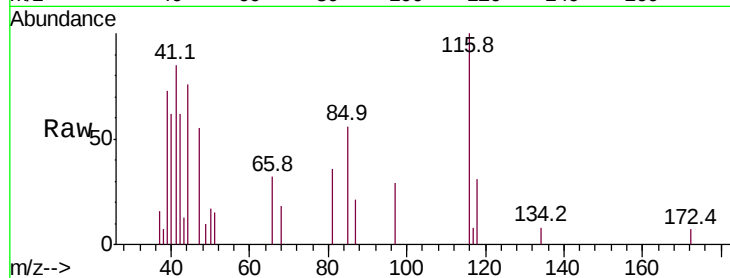
Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 41 Resp: 1103

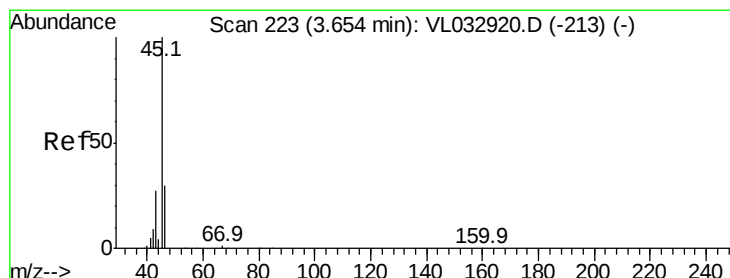
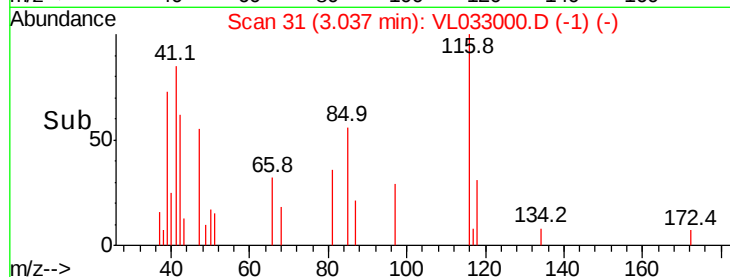
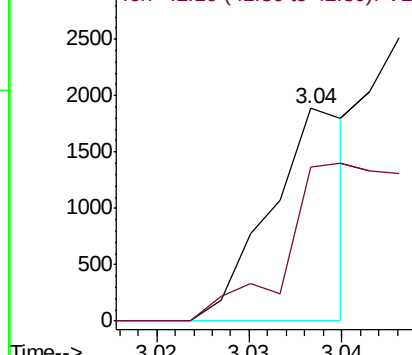
Ion Ratio Lower Upper

41 100

42 0.0 56.2 84.2#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 42.10 (41.80 to 42.80): VL0



#13

Ethanol

Concen: 0.068 ppbv

RT: 3.68 min Scan# 230

Delta R.T. 0.02 min

Lab File: VL033000.D

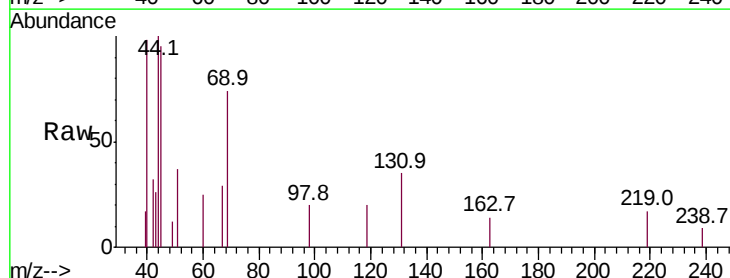
Acq: 17 Dec 2018 17:53

Tgt Ion: 45 Resp: 708

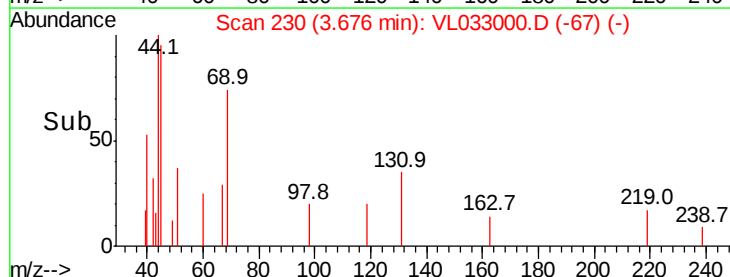
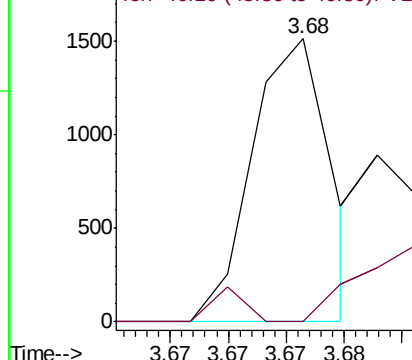
Ion Ratio Lower Upper

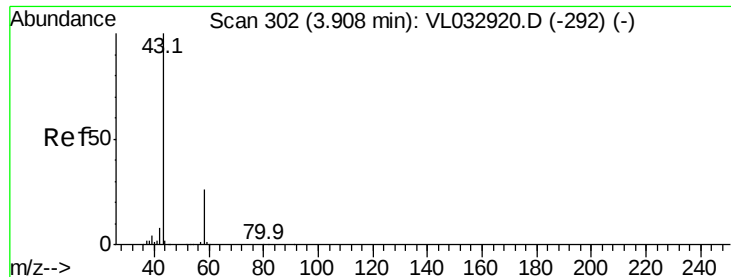
45 100

46 0.0 13.8 55.4#



Abundance Ion 45.10 (44.80 to 45.80): VL0
Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.358 ppbv

RT: 3.93 min Scan# 309

Delta R.T. 0.02 min

Lab File: VL033000.D

Acq: 17 Dec 2018 17:53

Instrument :

MSVOA_L

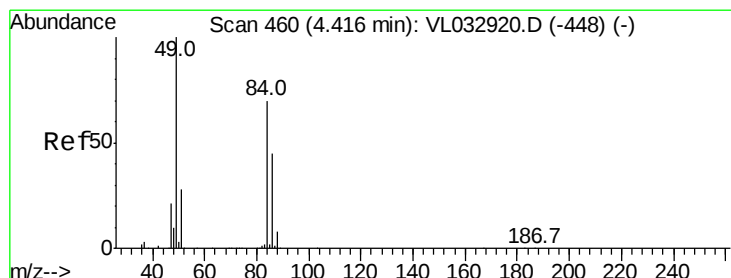
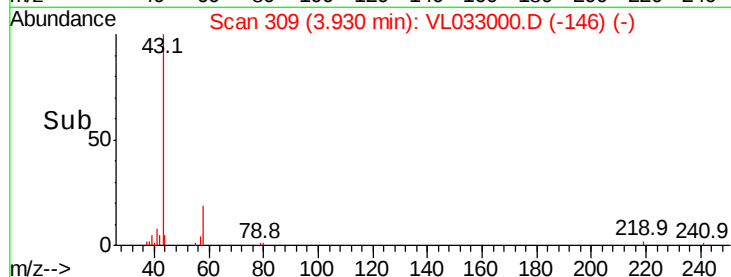
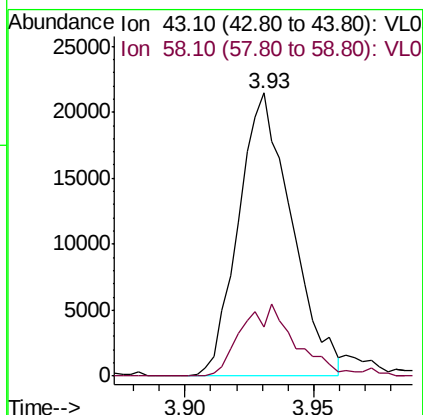
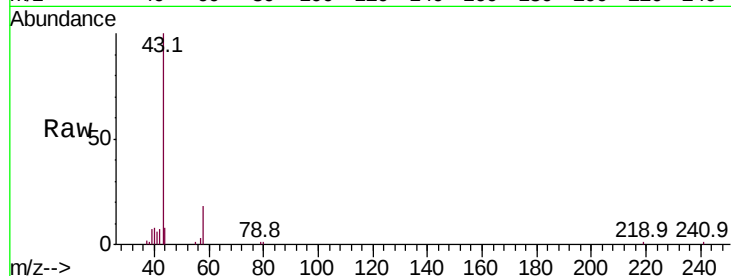
ClientSampleId :

Tot Ion: 43 Resp: 30948

Ion Ratio Lower Upper

43 100

58 26.7 20.6 30.8



#20

Methylene Chloride

Concen: 0.639 ppbv

RT: 4.42 min Scan# 461

Delta R.T. 0.00 min

Lab File: VL033000.D

Acq: 17 Dec 2018 17:53

Tgt Ion: 84 Resp: 26987

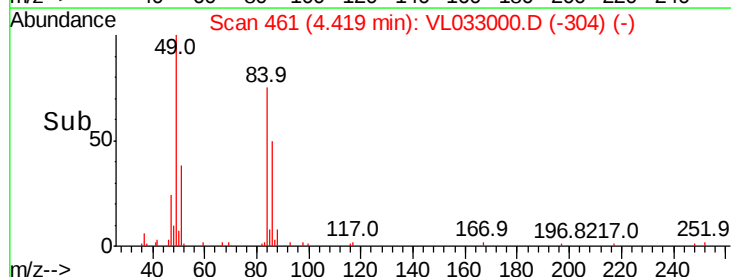
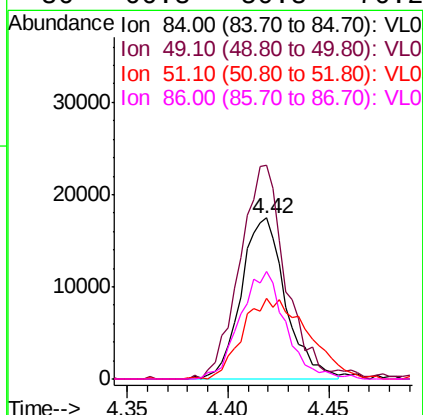
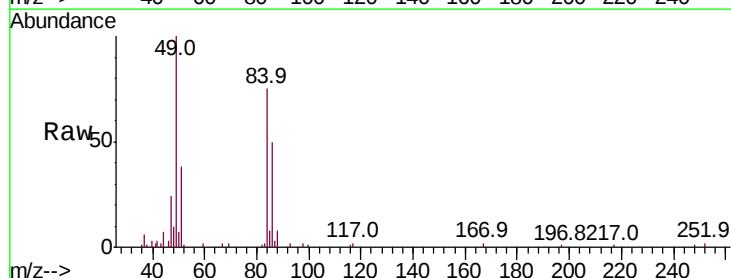
Ion Ratio Lower Upper

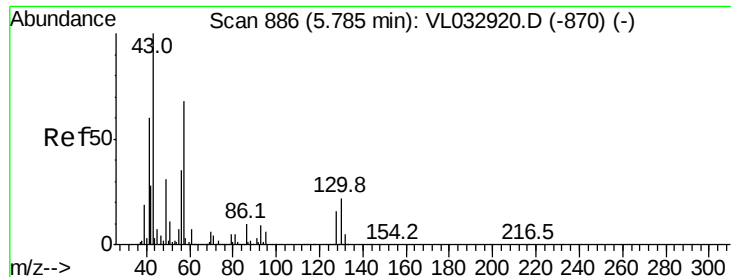
84 100

49 132.9 113.8 170.8

51 49.0 31.8 47.8

86 66.8 50.8 76.2





#26

Hexane

Concen: 0.035 ppbv

RT: 5.79 min Scan# 886

Delta R.T. 0.00 min

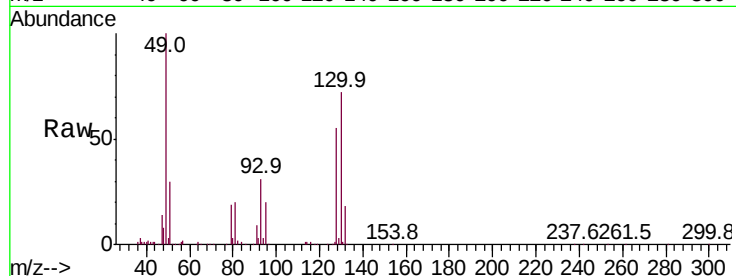
Lab File: VL033000.D

Acq: 17 Dec 2018 17:53

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 57 Resp: 3290

Ion	Ratio	Lower	Upper
57	100		
41	214.2	72.2	108.2#
43	0.0	171.9	257.9#
56	136.7	42.2	63.2#



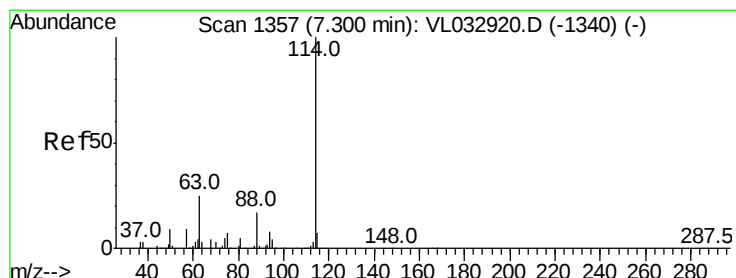
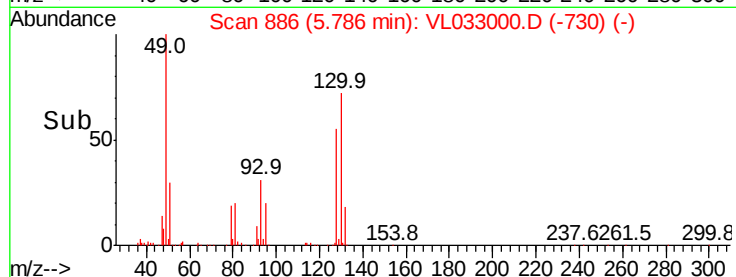
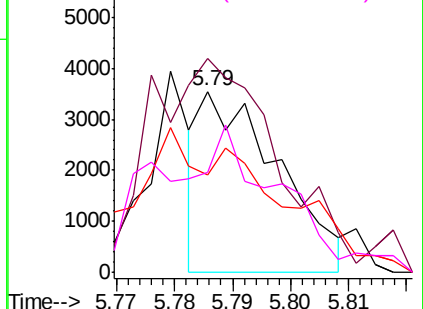
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.30 min Scan# 1356

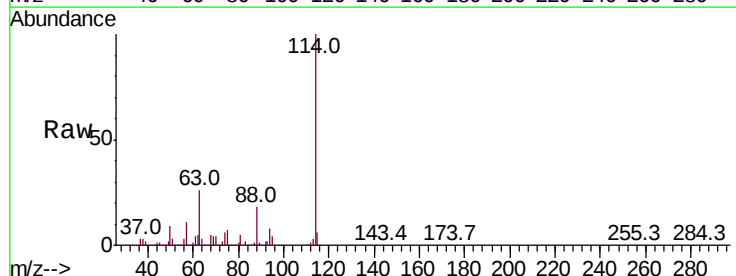
Delta R.T. -0.00 min

Lab File: VL033000.D

Acq: 17 Dec 2018 17:53

Tgt Ion: 114 Resp: 2343730

Ion	Ratio	Lower	Upper
114	100		
63	25.3	20.1	30.1
88	17.8	14.2	21.4

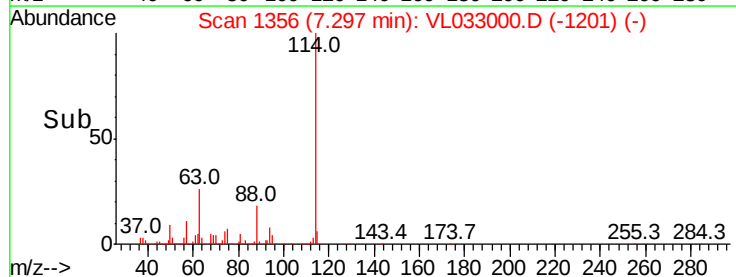
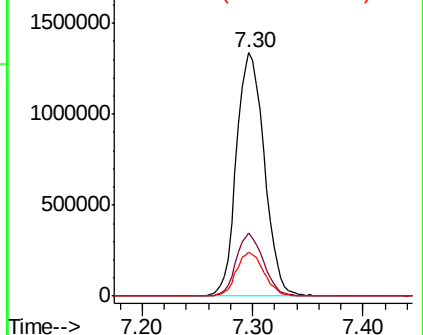


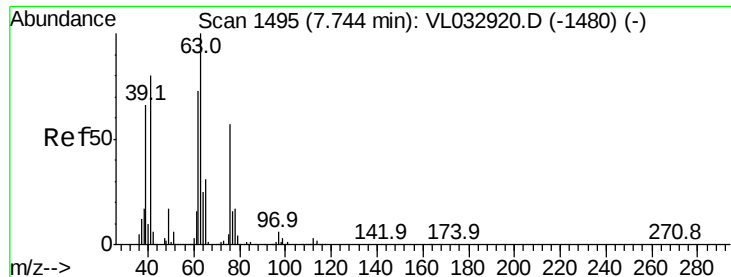
Abundance

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: 9.018 ppbv

RT: 7.30 min Scan# 1356

Delta R.T. -0.45 min

Lab File: VL033000.D

Acq: 17 Dec 2018 17:53

Instrument :

MSVOA_L

ClientSampleId :

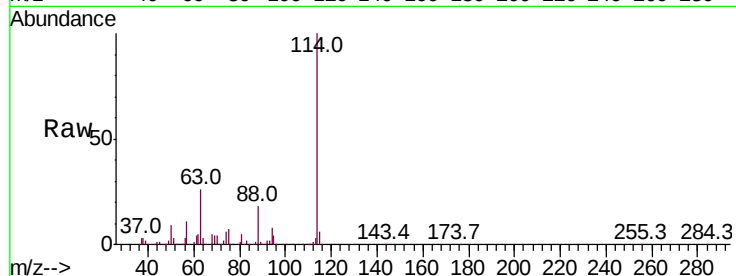
Tot Ion: 63 Resp: 589589

Ion Ratio Lower Upper

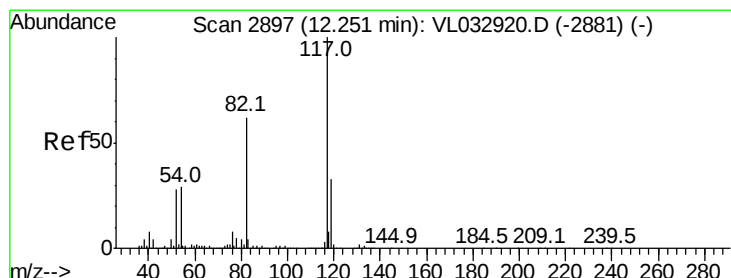
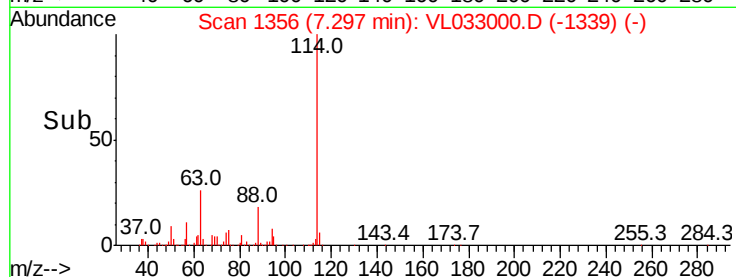
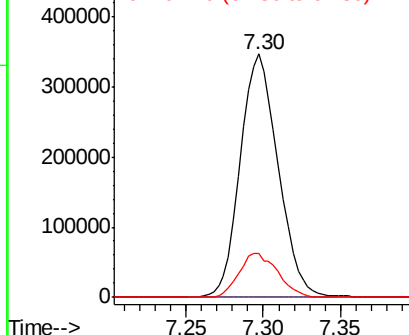
63 100

41 0.0 63.9 95.9#

62 18.0 58.8 88.2#



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: 12.25 min Scan# 2896

Delta R.T. -0.00 min

Lab File: VL033000.D

Acq: 17 Dec 2018 17:53

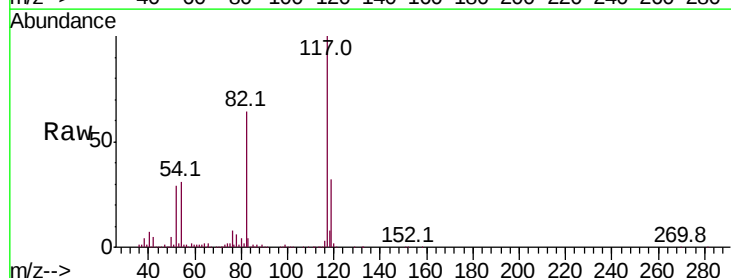
Tgt Ion: 117 Resp: 2598421

Ion Ratio Lower Upper

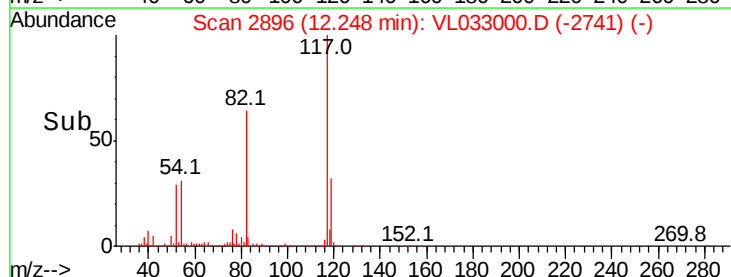
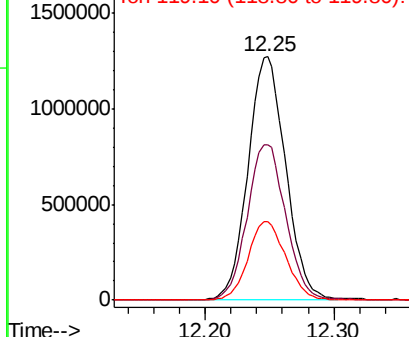
117 100

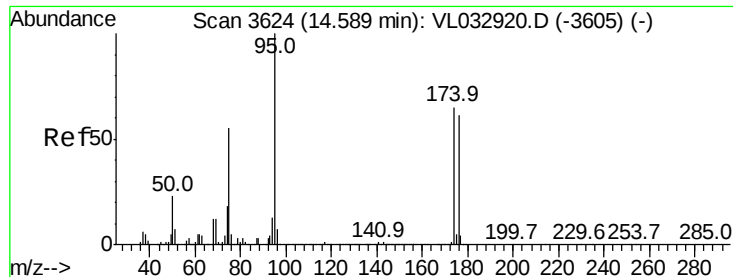
82 65.7 47.8 71.8

119 32.7 43.1 64.7#



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: 10.648 ppbv

RT: 14.58 min Scan# 3622

Delta R.T. -0.01 min

Lab File: VL033000.D

Acq: 17 Dec 2018 17:53

Instrument :

MSVOA_L

ClientSampleId :

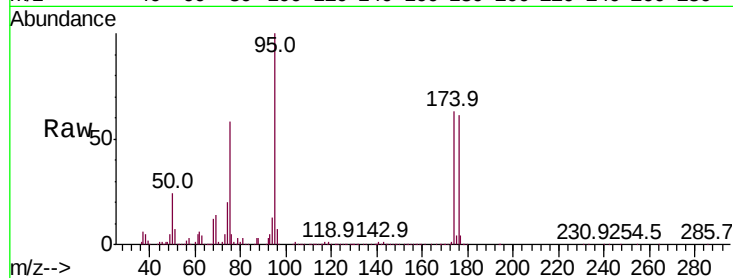
Tot Ion: 95 Resp: 2043982

Ion Ratio Lower Upper

95 100

174 66.1 51.4 77.0

175 4.9 3.8 5.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

