

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102915\
 Data File : VL026277.D
 Acq On : 29 Oct 2015 23:16
 Operator : SY/AP
 Sample : G4169-05DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Quant Time: Oct 30 04:25:50 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Oct 29 14:29:54 2015
 QLast Update : Thu Oct 29 14:29:54 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.67	49	589682	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	8.35	114	1622671	10.00	ppbv	-0.02
55) Chlorobenzene-d5	13.77	117	1909698	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.31	95	1488412	10.27	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.70%

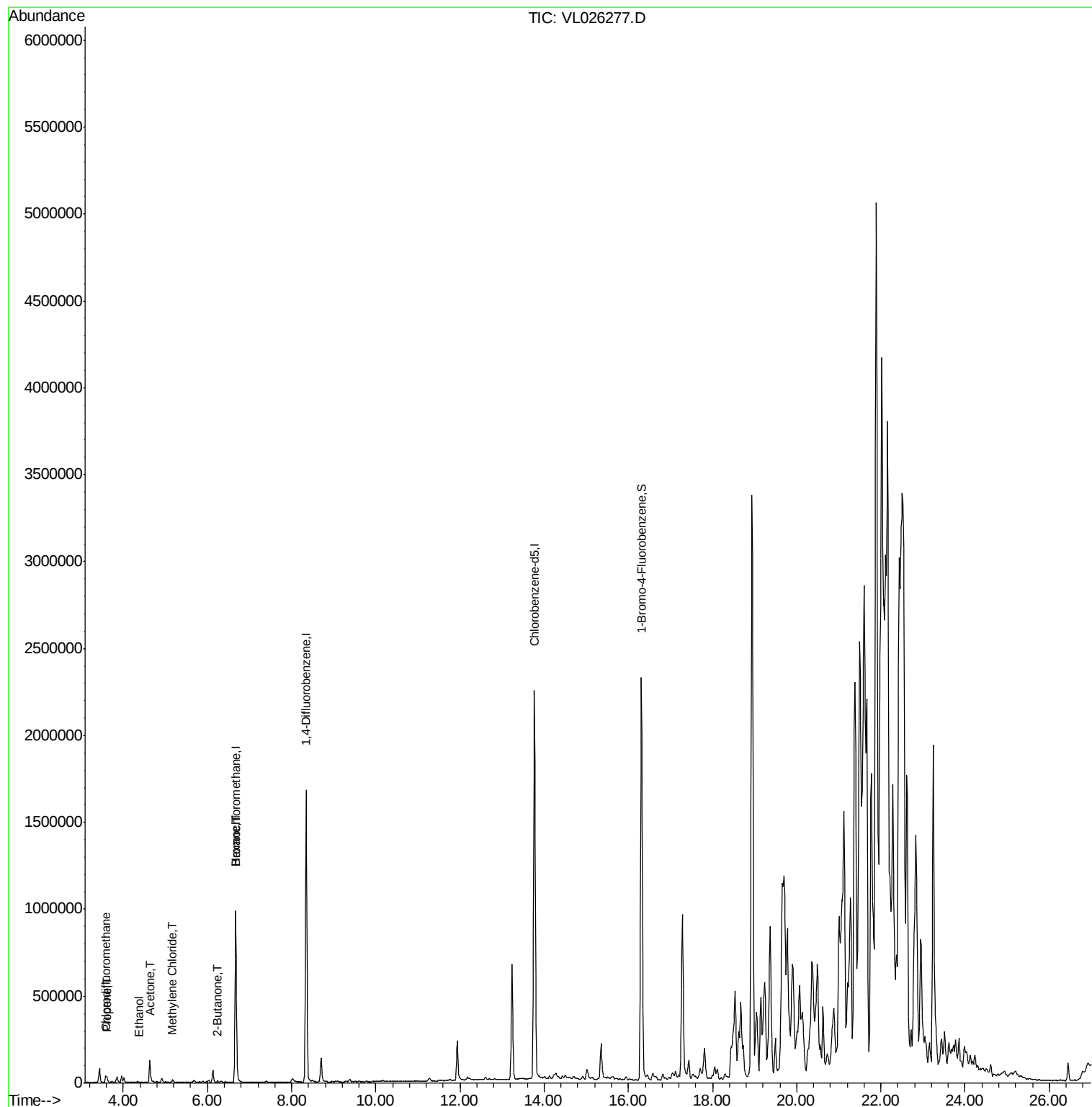
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.58	51	36156	0.49	ppbv	96
9) Propene	3.60	41	12181	0.34	ppbv #	67
13) Ethanol	4.36	45	1692	0.32	ppbv #	33
15) Acetone	4.63	43	167826	2.15	ppbv	94
20) Methylene Chloride	5.17	84	6039	0.18	ppbv	95
26) Hexane	6.68	57	9887	0.12	ppbv #	43
34) 2-Butanone	6.24	43	14695	0.15	ppbv	99

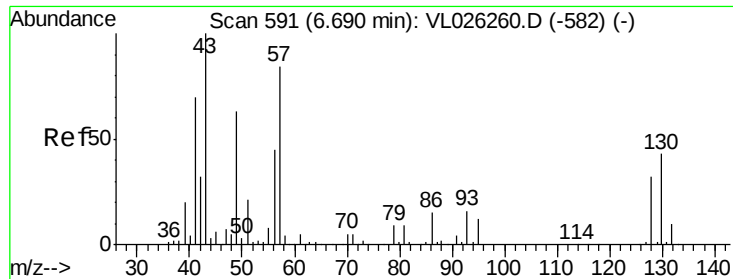
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102915AIR.M
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QLast Update : Thu Oct 29 14:29:54 2015
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.67 min Scan# 588

Delta R.T. -0.02 min

Lab File: VL026277.D

Acq: 29 Oct 2015 23:16

Instrument :

MSVOA_L

ClientSampleId :

SV2DL

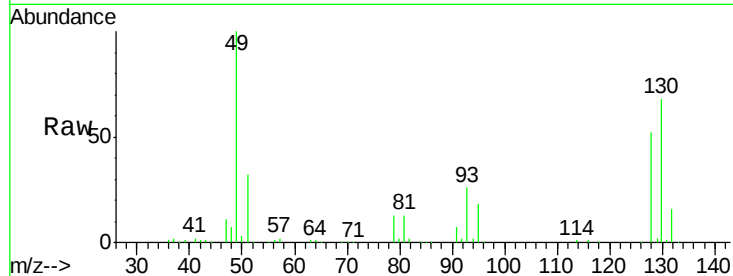
Tot Ion: 49 Resp: 589682

Ion Ratio Lower Upper

49 100

128 53.5 26.7 80.1

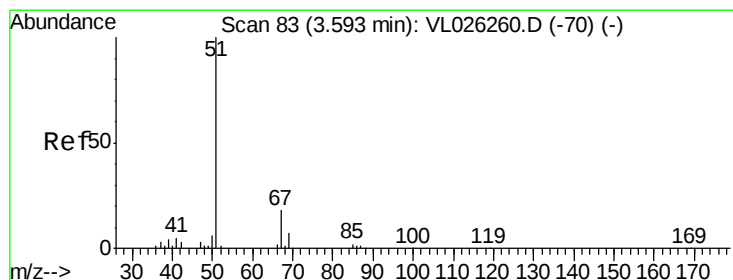
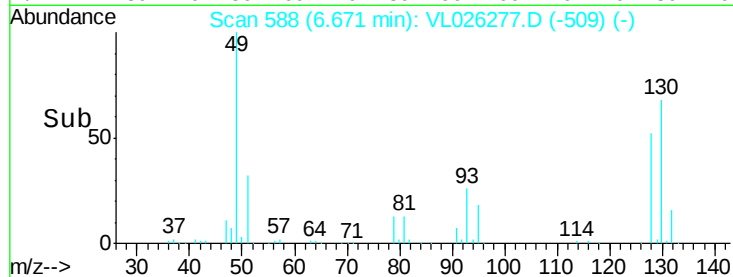
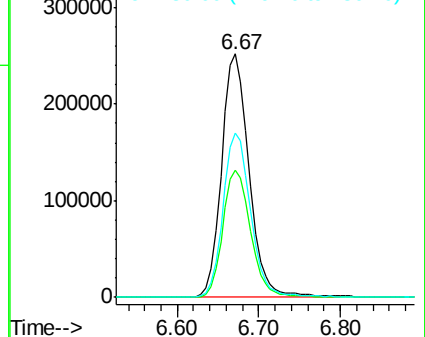
130 68.3 34.4 103.2



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



#3

Chlorodifluoromethane

Concen: 0.49 ppbv

RT: 3.58 min Scan# 81

Delta R.T. -0.01 min

Lab File: VL026277.D

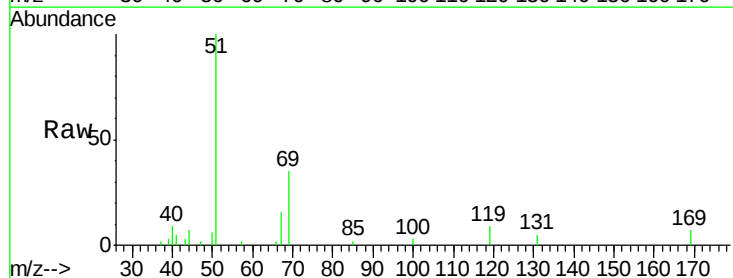
Acq: 29 Oct 2015 23:16

Tgt Ion: 51 Resp: 36156

Ion Ratio Lower Upper

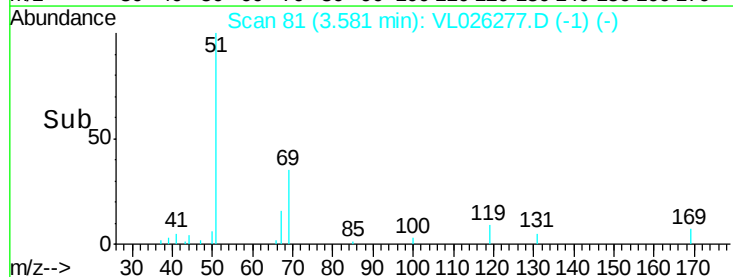
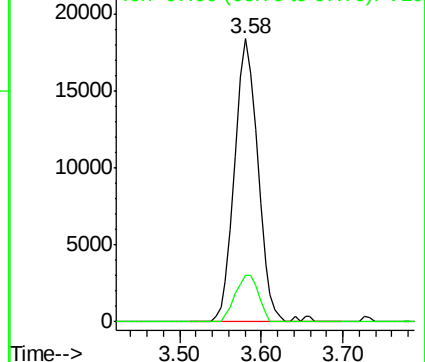
51 100

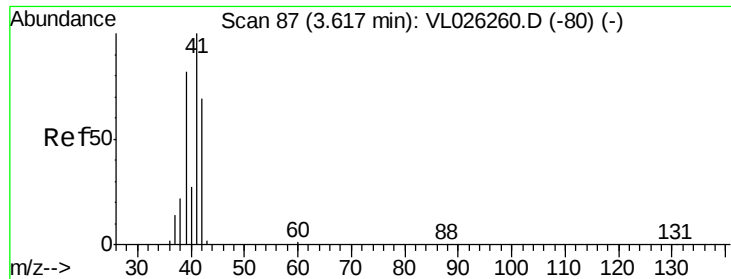
67 16.2 14.5 21.7



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.34 ppbv

RT: 3.60 min Scan# 85

Delta R.T. -0.01 min

Lab File: VL026277.D

Acq: 29 Oct 2015 23:16

Instrument :

MSVOA_L

ClientSampleId :

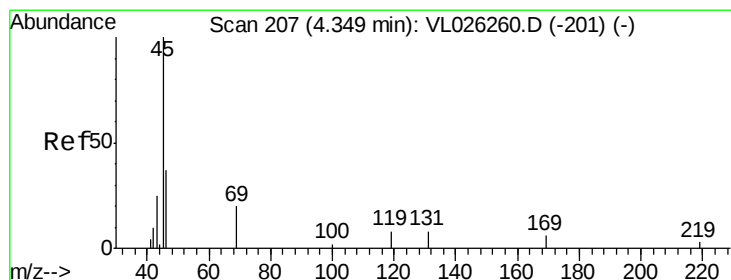
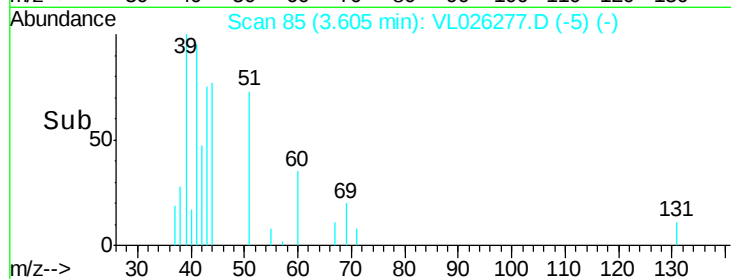
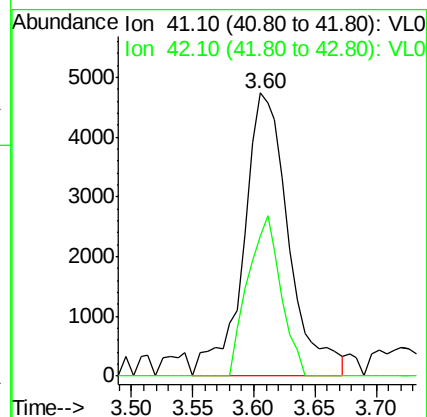
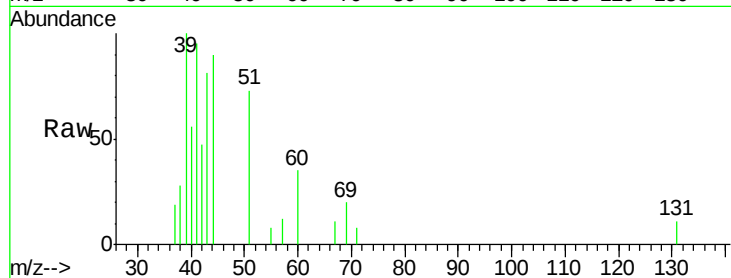
SV2DL

Tot Ion: 41 Resp: 12181

Ion Ratio Lower Upper

41 100

42 41.4 54.5 81.7#



#13

Ethanol

Concen: 0.32 ppbv

RT: 4.36 min Scan# 209

Delta R.T. 0.01 min

Lab File: VL026277.D

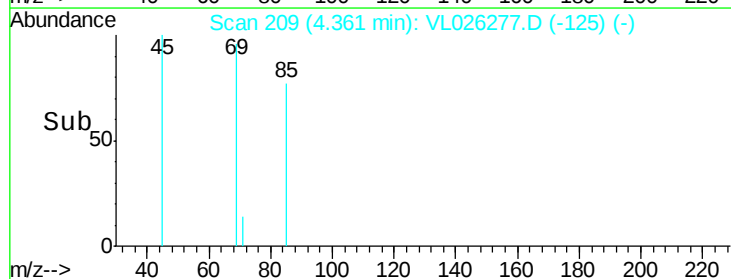
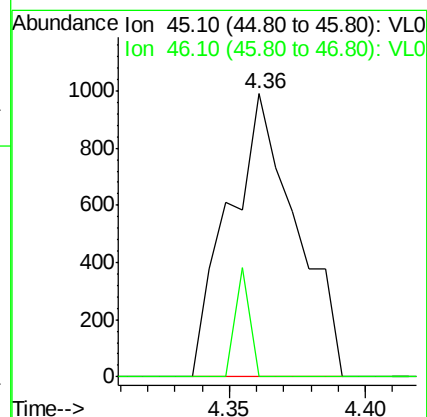
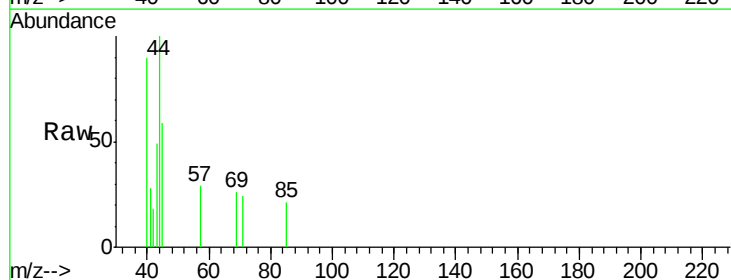
Acq: 29 Oct 2015 23:16

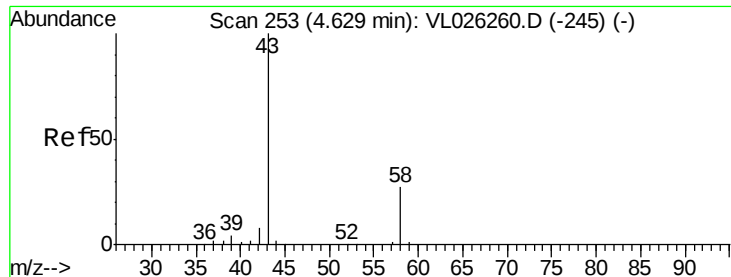
Tgt Ion: 45 Resp: 1692

Ion Ratio Lower Upper

45 100

46 0.0 17.0 68.0#





#15

Acetone

Concen: 2.15 ppbv

RT: 4.63 min Scan# 253

Delta R.T. 0.00 min

Lab File: VL026277.D

Acq: 29 Oct 2015 23:16

Instrument :

MSVOA_L

ClientSampleId :

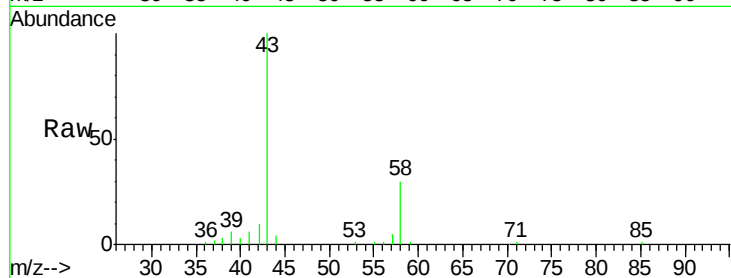
SV2DL

Tot Ion: 43 Resp: 167826

Ion Ratio Lower Upper

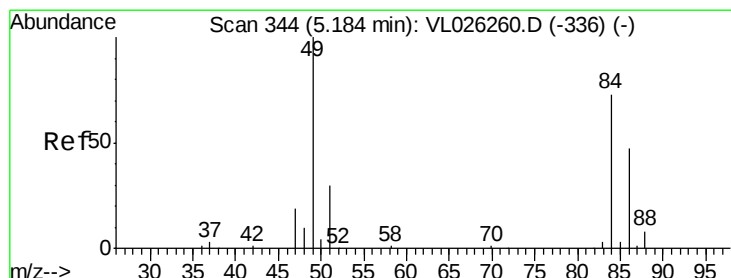
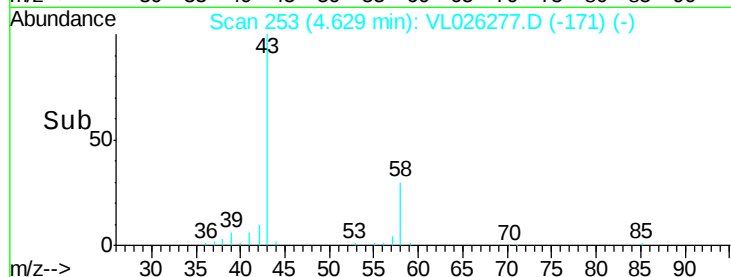
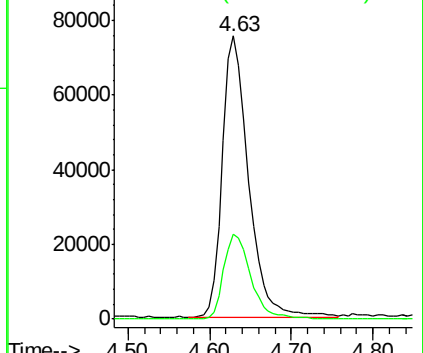
43 100

58 31.0 22.3 33.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.18 ppbv

RT: 5.17 min Scan# 342

Delta R.T. -0.01 min

Lab File: VL026277.D

Acq: 29 Oct 2015 23:16

Tgt Ion: 84 Resp: 6039

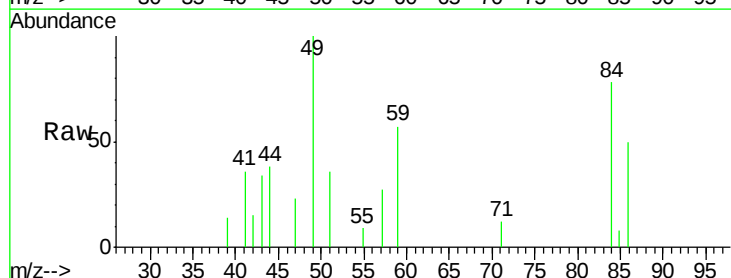
Ion Ratio Lower Upper

84 100

49 127.4 109.0 163.4

51 45.6 32.8 49.2

86 63.3 50.8 76.2

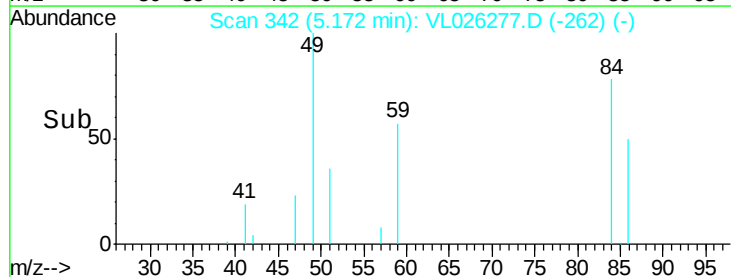
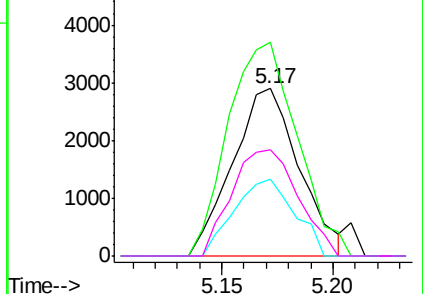


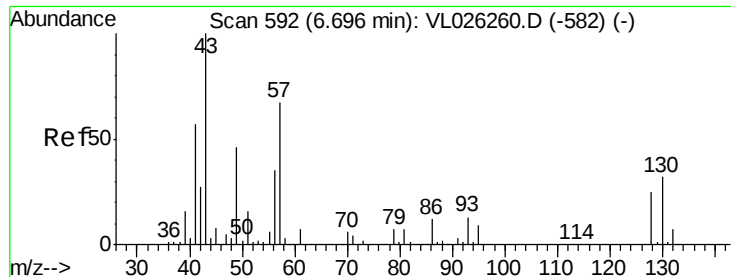
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

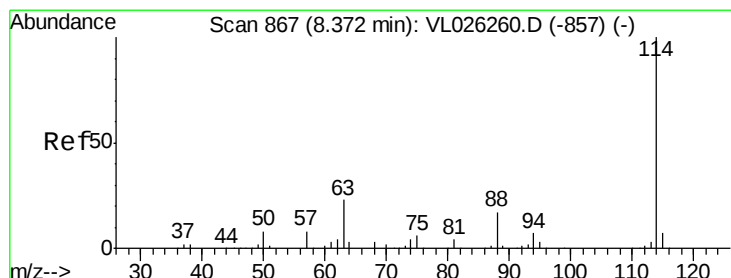
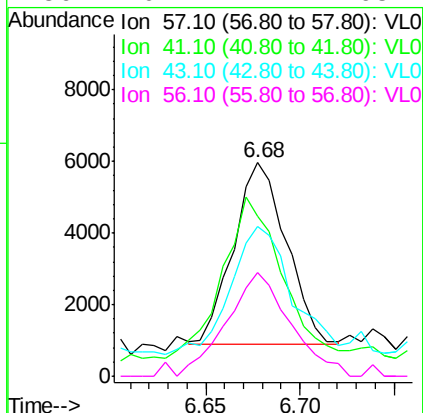
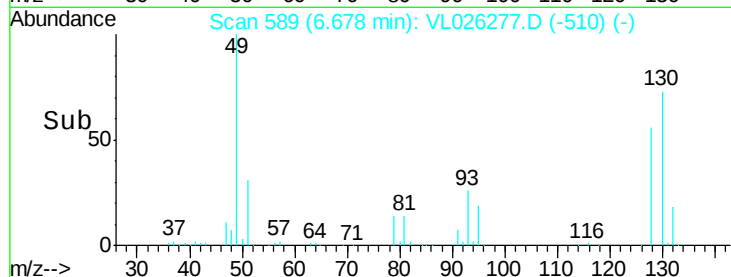
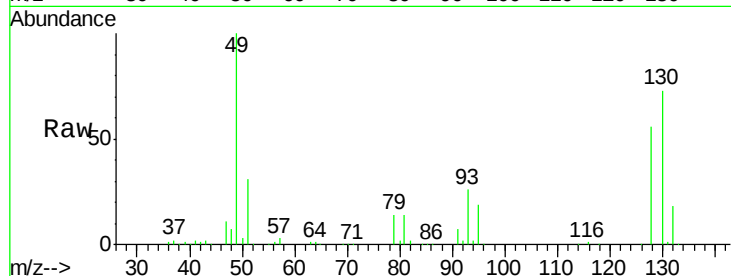




#26
Hexane
Concen: 0.12 ppbv
RT: 6.68 min Scan# 589
Delta R.T. -0.02 min
Lab File: VL026277.D
Acq: 29 Oct 2015 23:16

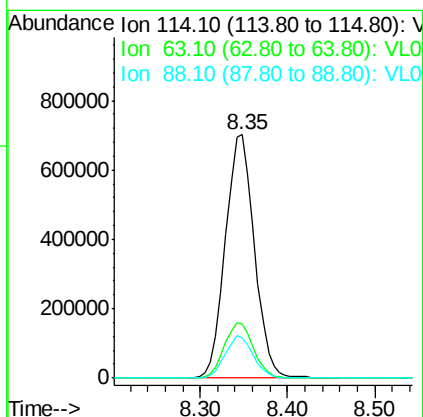
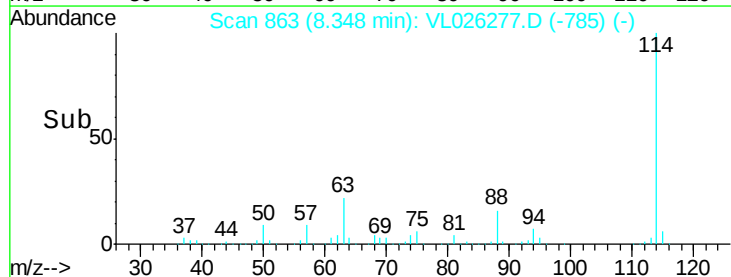
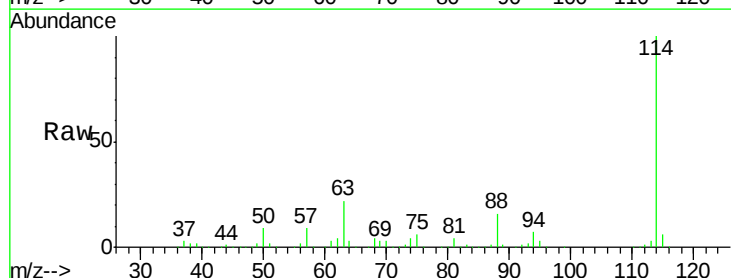
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

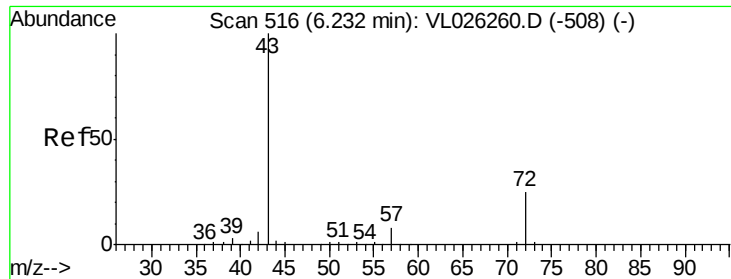
Tot Ion: 57 Resp: 9887
Ion Ratio Lower Upper
57 100
41 119.2 67.4 101.2#
43 92.8 163.9 245.9#
56 70.7 42.2 63.2#



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.35 min Scan# 863
Delta R.T. -0.02 min
Lab File: VL026277.D
Acq: 29 Oct 2015 23:16

Tgt Ion: 114 Resp: 1622671
Ion Ratio Lower Upper
114 100
63 22.8 18.6 28.0
88 16.8 13.4 20.2

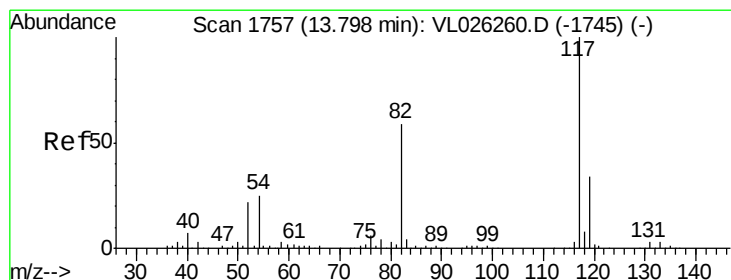
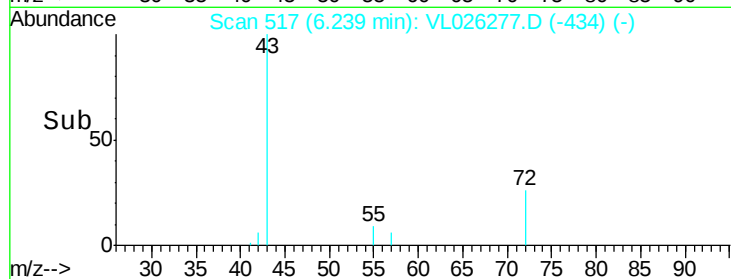
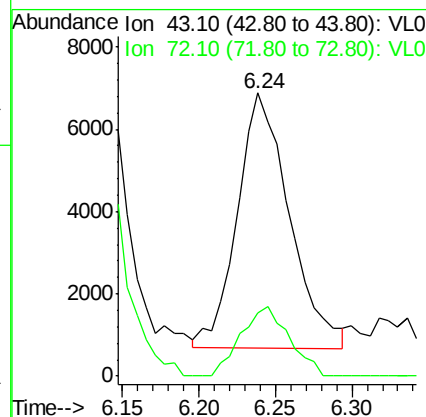
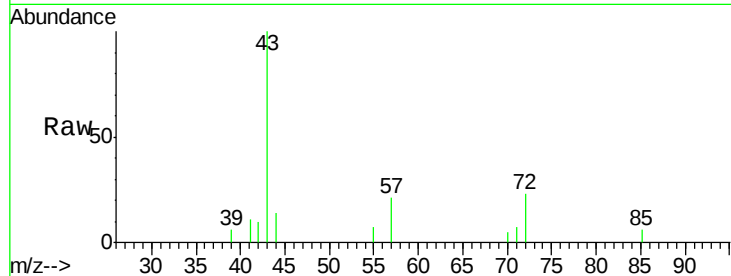




#34
 2-Butanone
 Concen: 0.15 ppbv
 RT: 6.24 min Scan# 517
 Delta R.T. 0.01 min
 Lab File: VL026277.D
 Acq: 29 Oct 2015 23:16

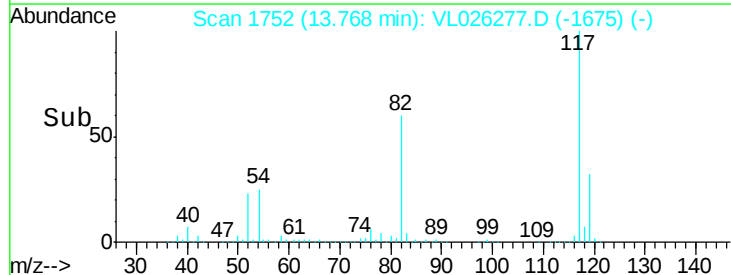
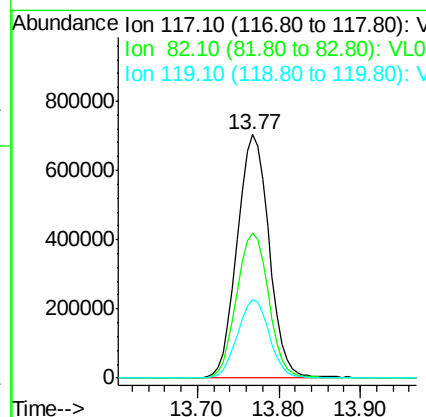
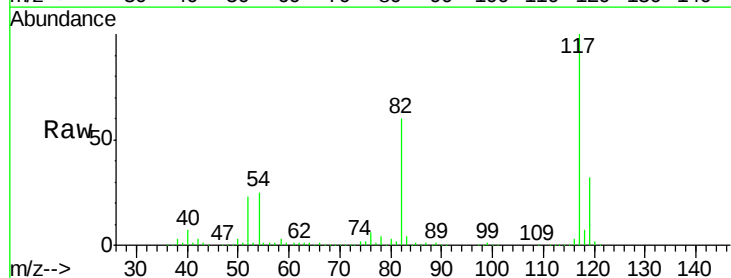
Instrument :
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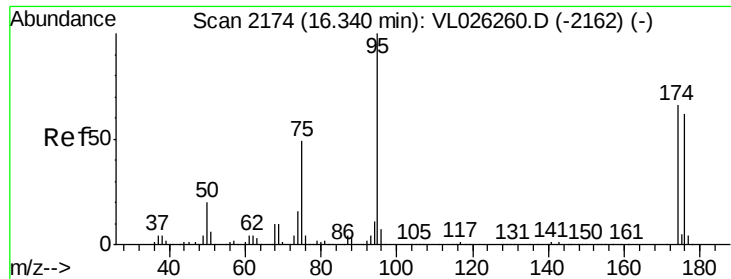
Tot Ion: 43 Resp: 14695
 Ion Ratio Lower Upper
 43 100
 72 25.2 19.9 29.9



#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 13.77 min Scan# 1752
 Delta R.T. -0.03 min
 Lab File: VL026277.D
 Acq: 29 Oct 2015 23:16

Tgt Ion: 117 Resp: 1909698
 Ion Ratio Lower Upper
 117 100
 82 60.8 48.2 72.4
 119 32.4 46.2 69.2#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.27 ppbv

RT: 16.31 min Scan# 2169

Delta R.T. -0.03 min

Lab File: VL026277.D

Acq: 29 Oct 2015 23:16

Instrument :

MSVOA_L

ClientSampleId :

SV2DL

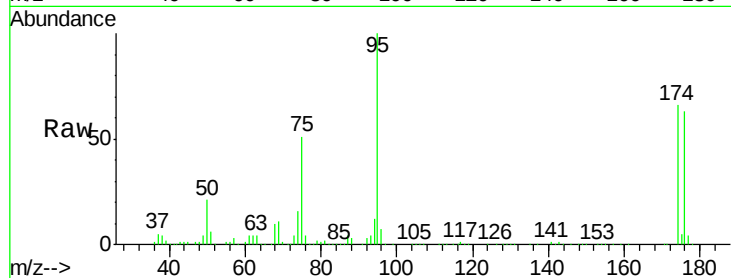
Tot Ion: 95 Resp: 1488412

Ion Ratio Lower Upper

95 100

174 66.2 52.9 79.3

175 4.9 3.8 5.8



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

