

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL072715\
 Data File : VL025777.D
 Acq On : 28 Jul 2015 6:59
 Operator : SY/MD
 Sample : G3040-07DL 1200X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 DIN46-INFLUENT-072315DL

Quant Time: Jul 28 08:00:18 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL070715AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 08 02:22:55 2015
 QLast Update : Wed Jul 08 02:22:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.65	49	594581	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.32	114	1572547	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.74	117	1998154	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.29	95	1774331	10.53	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.30%

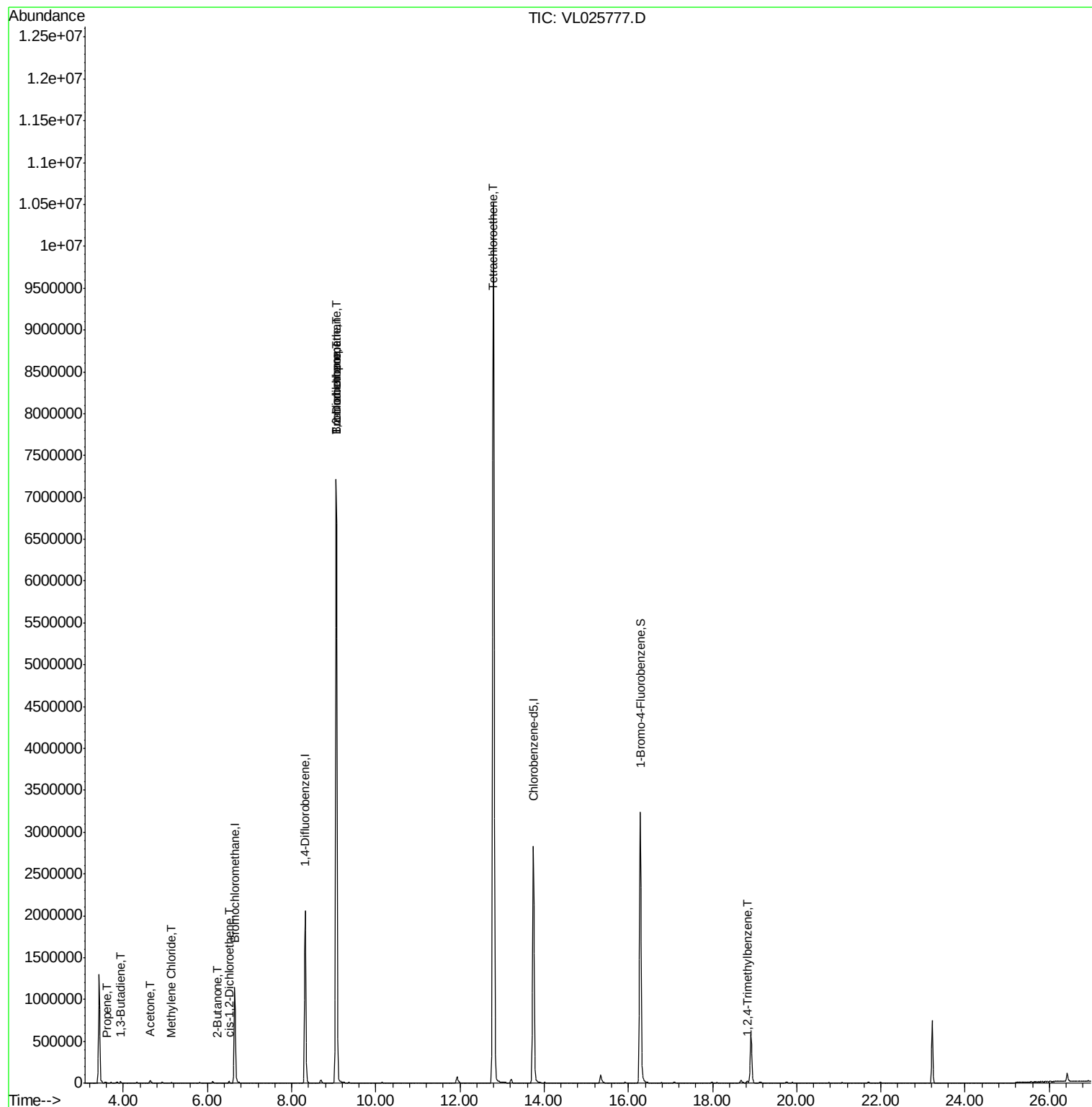
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.60	41	1306	0.05	ppbv	90
15) Acetone	4.64	43	41288	0.39	ppbv #	79
16) 1,3-Butadiene	3.94	39	2368	0.06	ppbv #	12
20) Methylene Chloride	5.15	84	2464	0.06	ppbv #	73
31) cis-1,2-Dichloroethene	6.51	61	16230	0.22	ppbv	96
34) 2-Butanone	6.24	43	6649	0.07	ppbv #	88
38) Trichloroethene	9.06	130	2440182	34.85	ppbv	97
39) 1,2-Dichloropropane	9.06	63	15440	0.28	ppbv #	1
42) Bromodichloromethane	9.06	83	41126	0.27	ppbv	99
52) Tetrachloroethene	12.80	164	2923583	38.70	ppbv	97
74) 1,2,4-Trimethylbenzene	18.83	105	18005	0.05	ppbv #	71

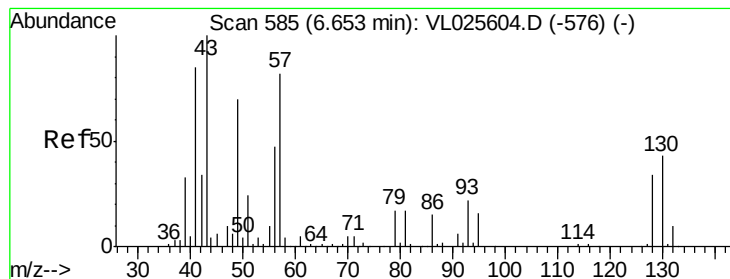
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 02:22:55 2015
QLast Update : Wed Jul 08 02:22:55 2015
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.65 min Scan# 584

Delta R.T. -0.01 min

Lab File: VL025777.D

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Instrument :

MSVOA_L

ClientSampleId :

DIN46-INFLUENT-072315DL

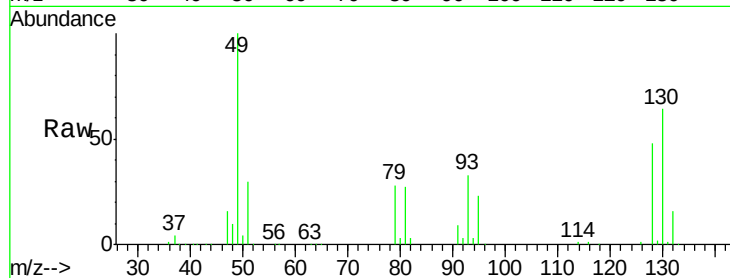
Tot Ion: 49 Resp: 594581

Ion Ratio Lower Upper

49 100

128 50.3 25.4 76.0

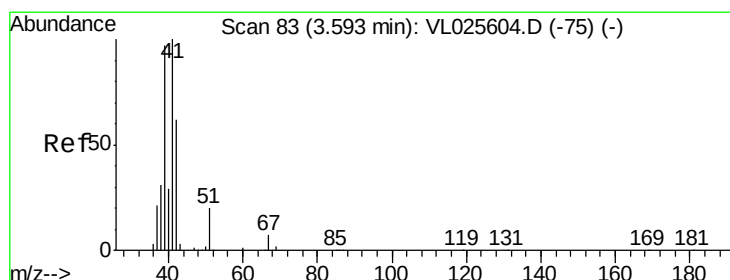
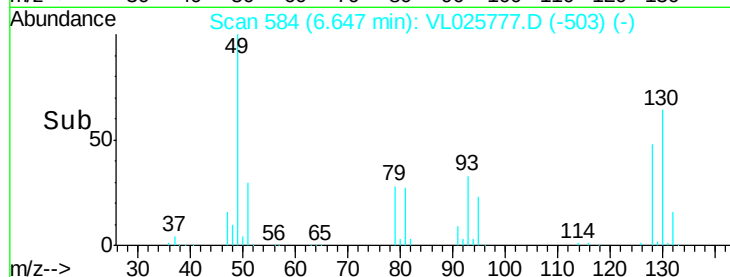
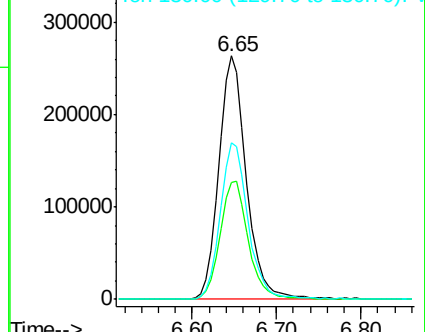
130 65.6 31.9 95.9



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.05 ppbv

RT: 3.60 min Scan# 85

Delta R.T. 0.01 min

Lab File: VL025777.D

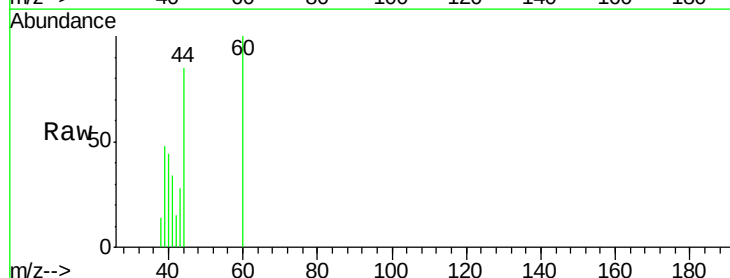
Acq: 28 Jul 2015 6:59

Tgt Ion: 41 Resp: 1306

Ion Ratio Lower Upper

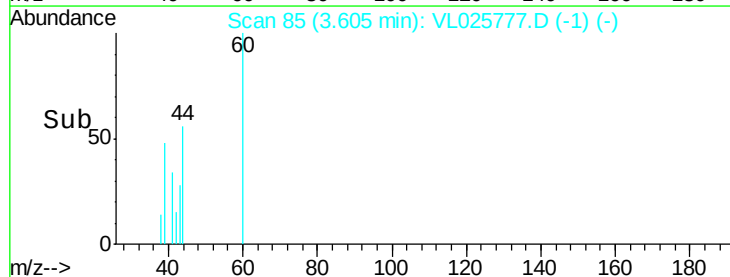
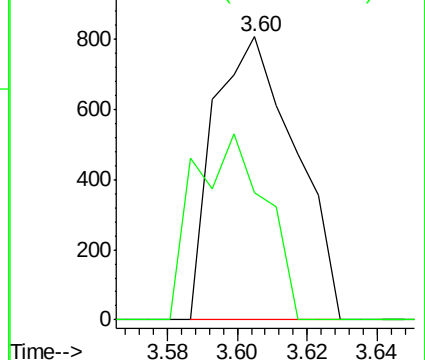
41 100

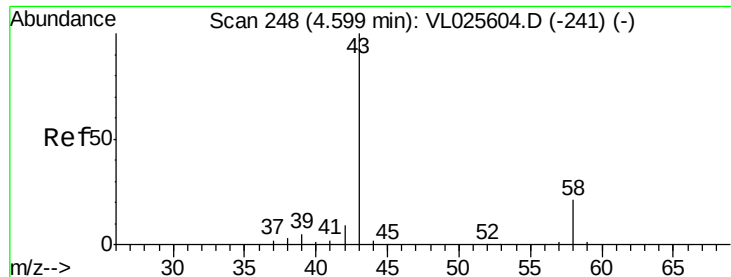
42 57.4 52.4 78.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.39 ppbv

RT: 4.64 min Scan# 255

Delta R.T. 0.04 min

Lab File: VL025777.D

Acq: 28 Jul 2015 6:59

Instrument :

MSVOA_L

ClientSampleId :

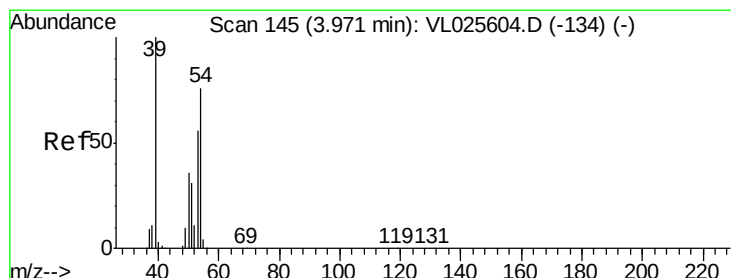
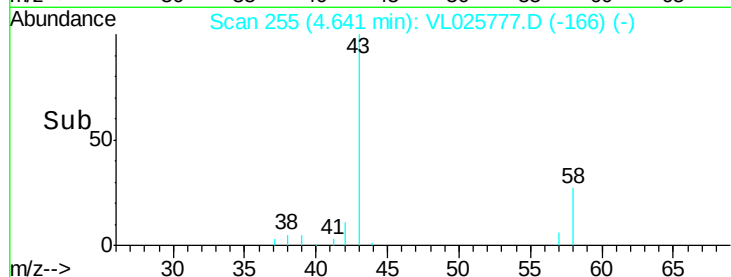
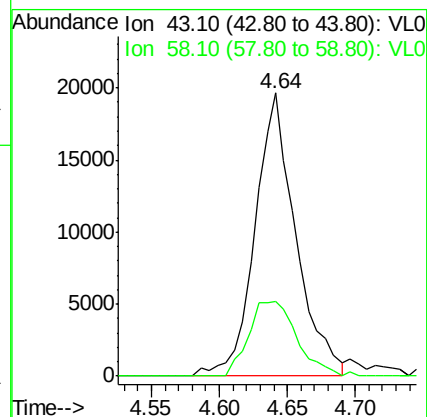
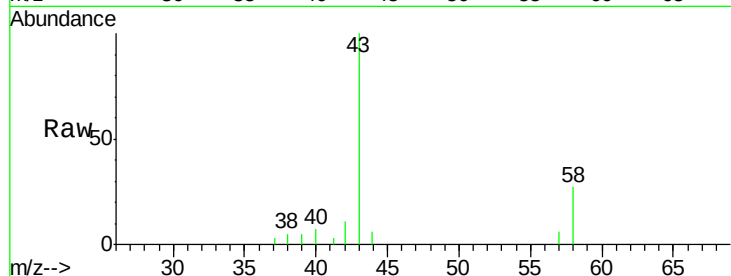
DIN46-INFLUENT-072315DL

Tot Ion: 43 Resp: 41288

Ion Ratio Lower Upper

43 100

58 31.2 17.2 25.8#



#16

1,3-Butadiene

Concen: 0.06 ppbv

RT: 3.94 min Scan# 140

Delta R.T. -0.03 min

Lab File: VL025777.D

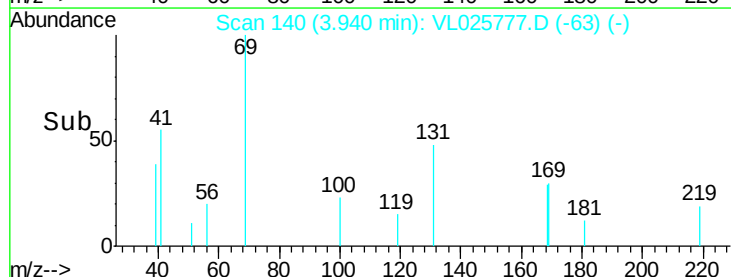
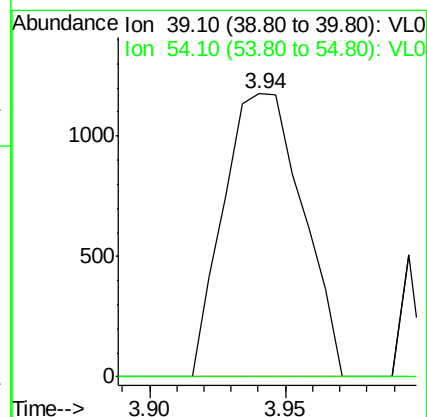
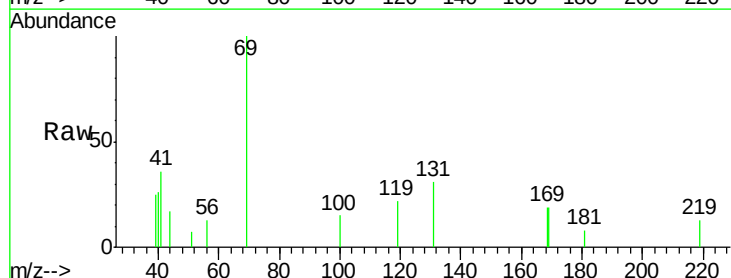
Acq: 28 Jul 2015 6:59

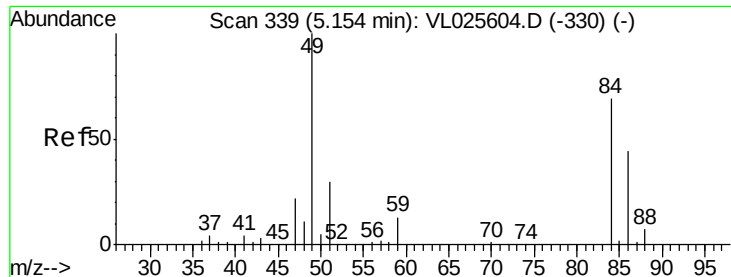
Tgt Ion: 39 Resp: 2368

Ion Ratio Lower Upper

39 100

54 0.0 59.3 88.9#

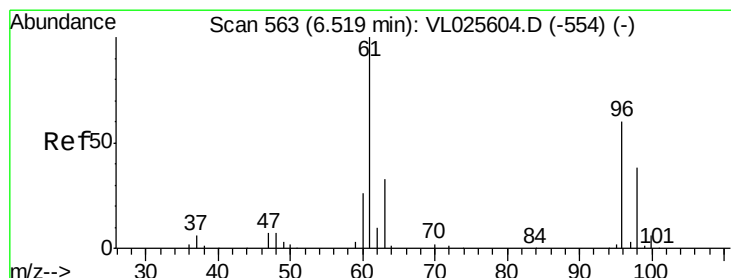
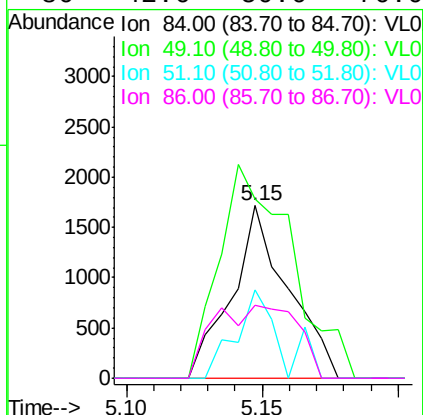
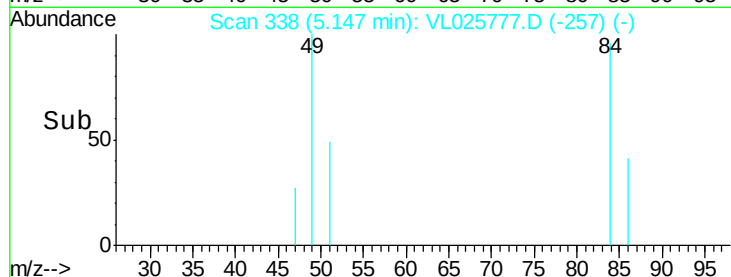
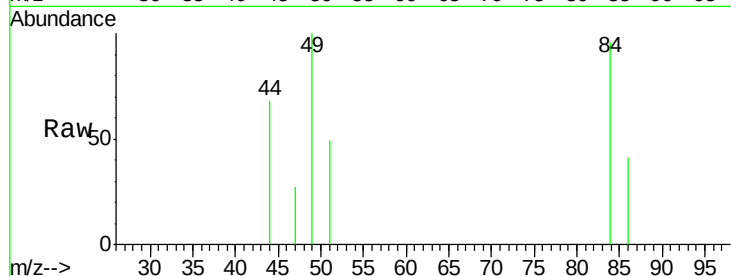




#20
Methylene Chloride
Concen: 0.06 ppbv
RT: 5.15 min Scan# 338
Delta R.T. -0.01 min
Lab File: VL025777.D
Acq: 28 Jul 2015 6:59

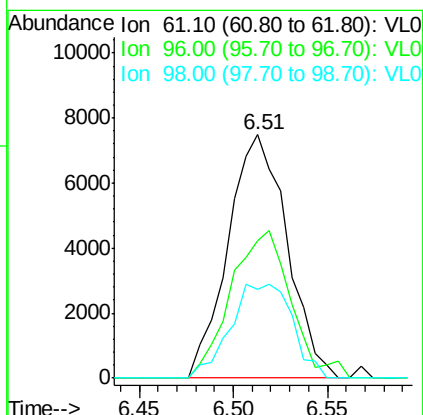
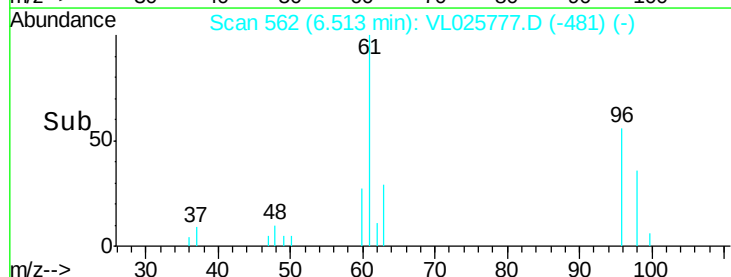
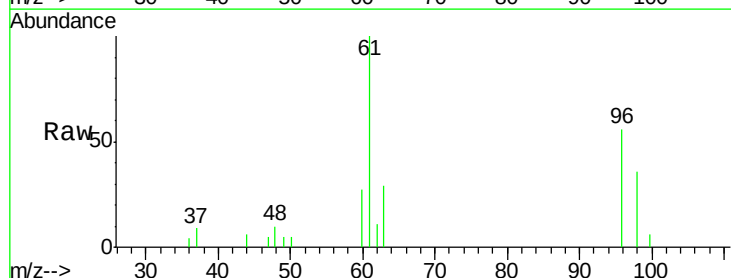
Instrument :
MSVOA_L
ClientSampleId :
DIN46-INFLUENT-072315DL

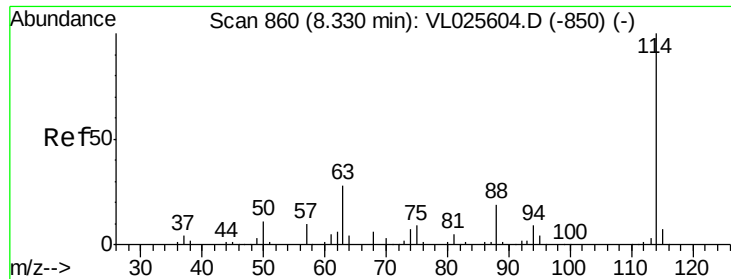
Tot Ion: 84 Resp: 2464
Ion Ratio Lower Upper
84 100
49 104.1 115.2 172.8#
51 51.2 35.0 52.6
86 42.6 50.6 76.0#



#31
cis-1,2-Dichloroethene
Concen: 0.22 ppbv
RT: 6.51 min Scan# 562
Delta R.T. -0.01 min
Lab File: VL025777.D
Acq: 28 Jul 2015 6:59

Tgt Ion: 61 Resp: 16230
Ion Ratio Lower Upper
61 100
96 56.5 48.1 72.1
98 36.4 30.7 46.1





#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 8.32 min Scan# 859

Delta R.T. -0.01 min

Lab File: VL025777.D

Acq: 28 Jul 2015 6:59

Instrument :

MSVOA_L

ClientSampleId :

DIN46-INFLUENT-072315DL

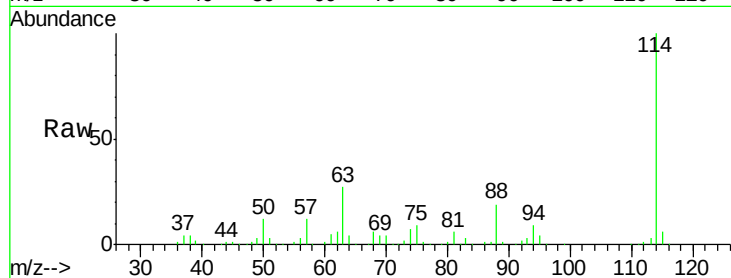
Tot Ion:114 Resp: 1572547

Ion Ratio Lower Upper

114 100

63 27.7 22.4 33.6

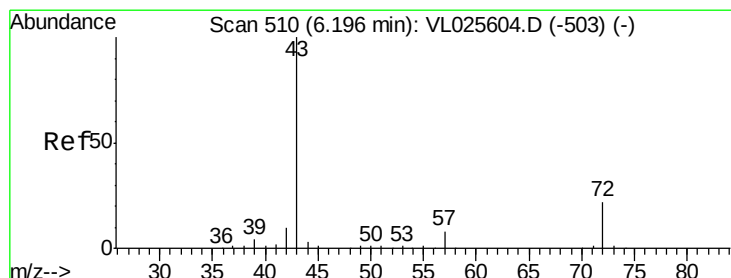
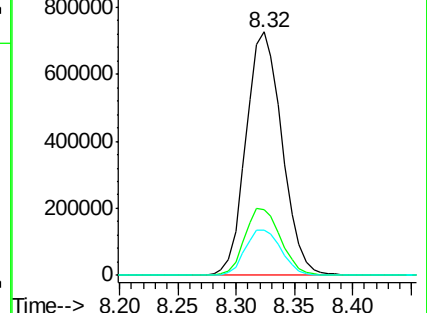
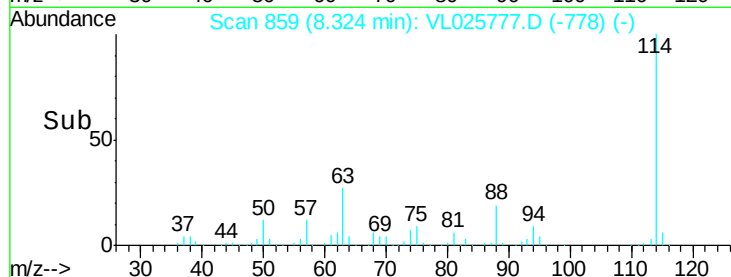
88 18.6 15.0 22.4



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



#34

2-Butanone

Concen: 0.07 ppbv

RT: 6.24 min Scan# 518

Delta R.T. 0.05 min

Lab File: VL025777.D

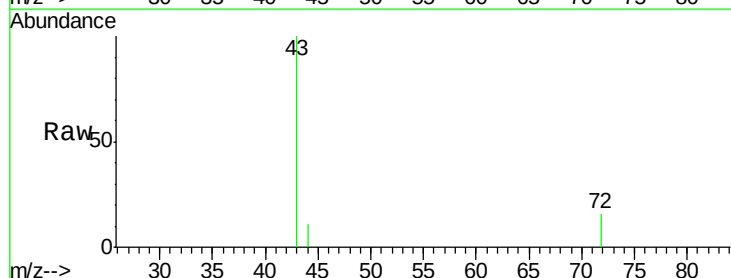
Acq: 28 Jul 2015 6:59

Tgt Ion: 43 Resp: 6649

Ion Ratio Lower Upper

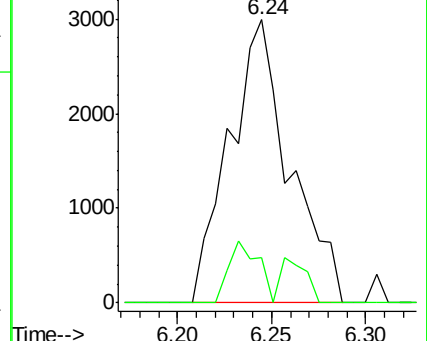
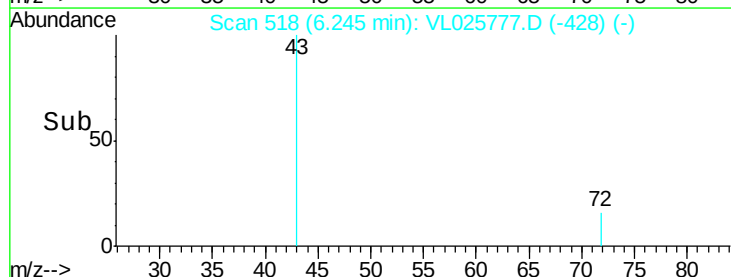
43 100

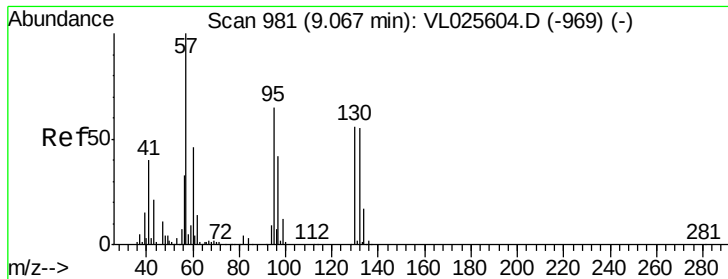
72 17.3 18.6 28.0#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#38

Trichloroethene

Concen: 34.85 ppbv

RT: 9.06 min Scan# 980

Delta R.T. -0.01 min

Lab File: VL025777.D

Acq: 28 Jul 2015 6:59

Instrument :

MSVOA_L

ClientSampleId :

DIN46-INFLUENT-072315DL

Tot Ion:130 Resp: 2440182

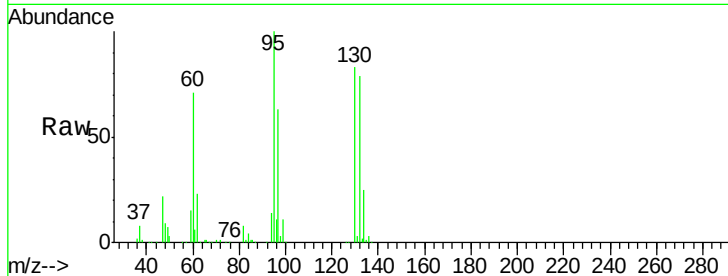
Ion Ratio Lower Upper

130 100

95 121.1 94.2 141.4

132 95.5 78.6 118.0

97 76.8 60.6 90.8

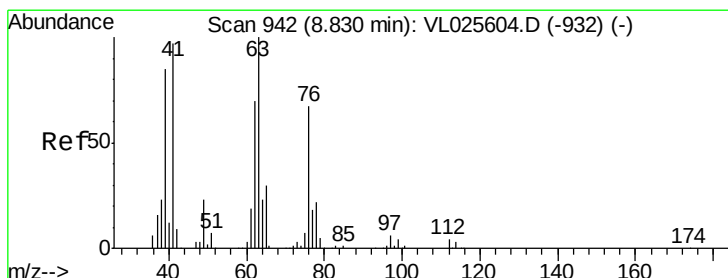
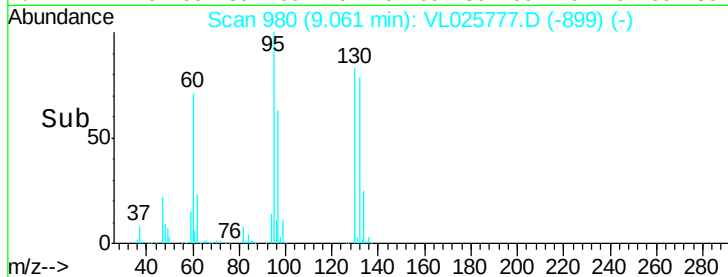
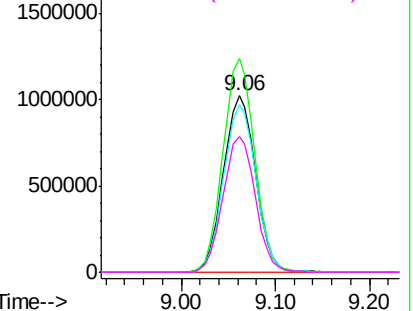


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 0.28 ppbv

RT: 9.06 min Scan# 979

Delta R.T. 0.23 min

Lab File: VL025777.D

Acq: 28 Jul 2015 6:59

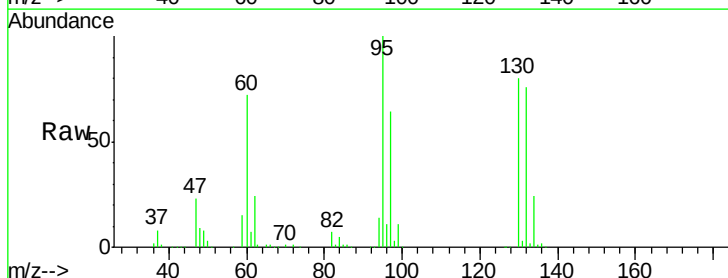
Tgt Ion: 63 Resp: 15440

Ion Ratio Lower Upper

63 100

41 23.9 78.0 117.0#

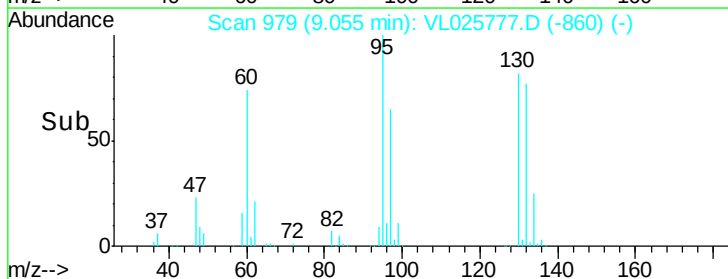
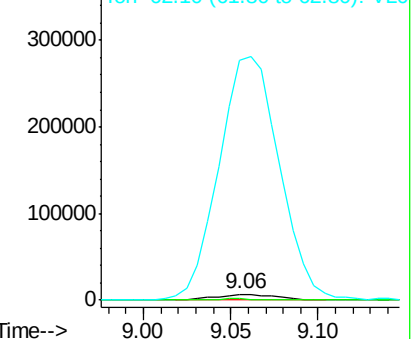
62 4141.3 55.7 83.5#

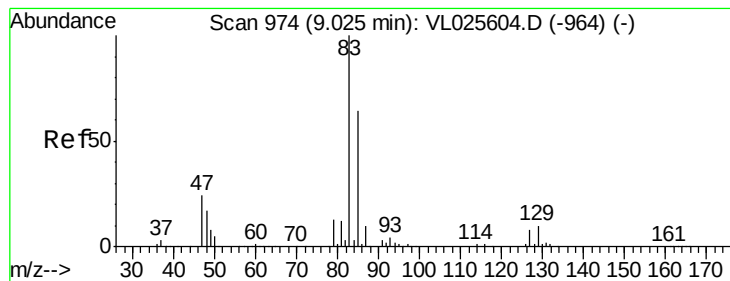


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#42

Bromodichloromethane

Concen: 0.27 ppbv

RT: 9.06 min Scan# 980

Delta R.T. 0.04 min

Lab File: VL025777.D

Acq: 28 Jul 2015 6:59

Instrument :

MSVOA_L

ClientSampleId :

DIN46-INFLUENT-072315DL

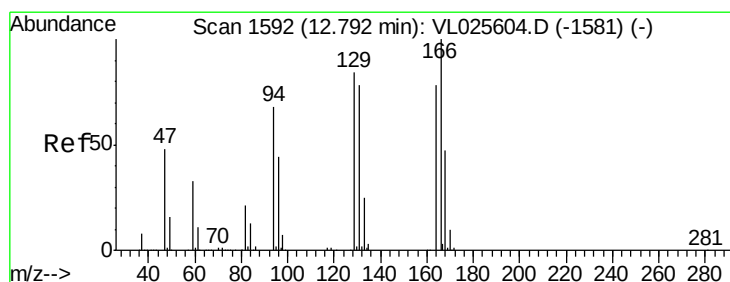
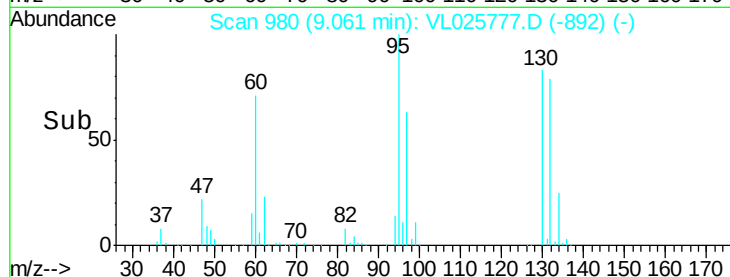
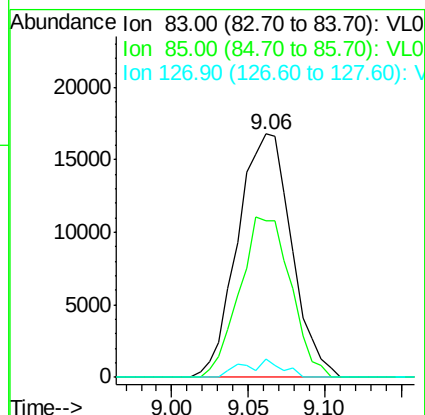
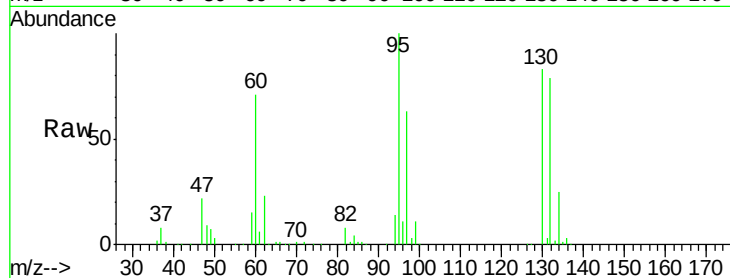
Tot Ion: 83 Resp: 41126

Ion Ratio Lower Upper

83 100

85 64.6 51.3 76.9

127 7.5 6.0 9.0



#52

Tetrachloroethene

Concen: 38.70 ppbv

RT: 12.80 min Scan# 1593

Delta R.T. 0.01 min

Lab File: VL025777.D

Acq: 28 Jul 2015 6:59

Tgt Ion: 164 Resp: 2923583

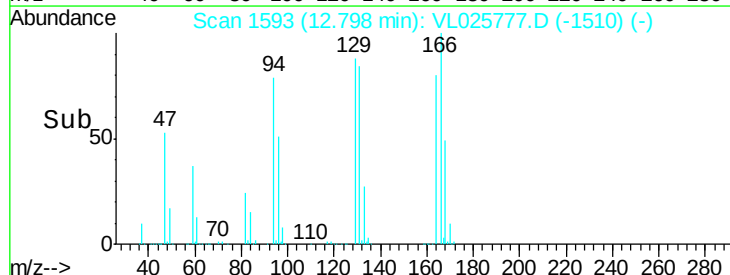
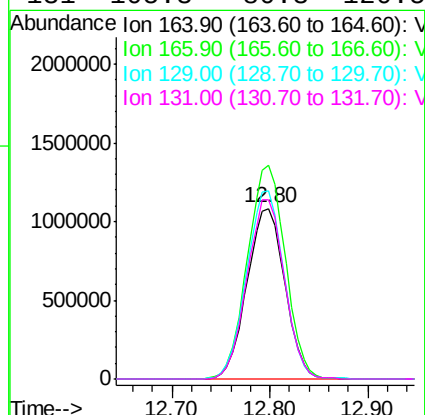
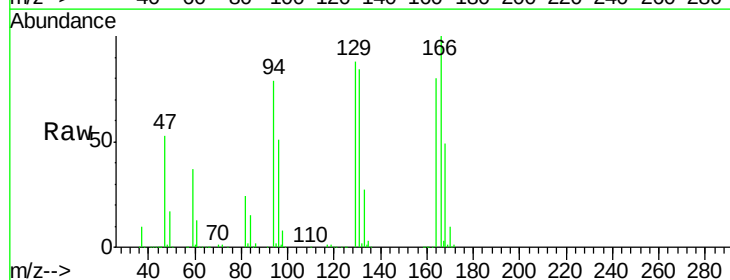
Ion Ratio Lower Upper

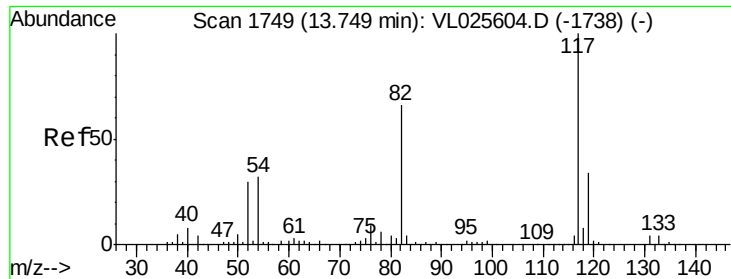
164 100

166 125.0 102.3 153.5

129 110.3 86.2 129.4

131 105.3 80.3 120.5

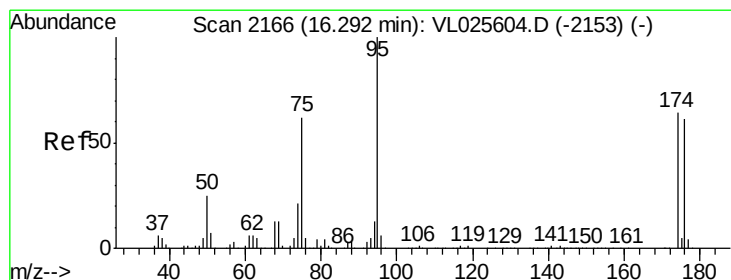
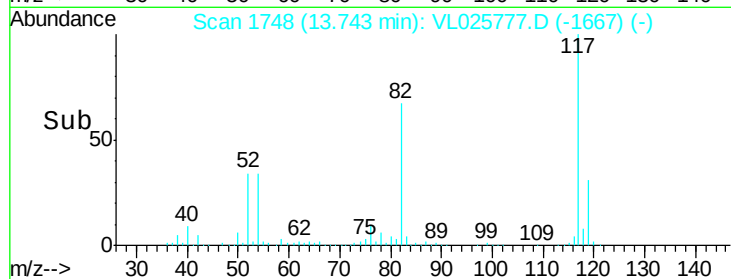
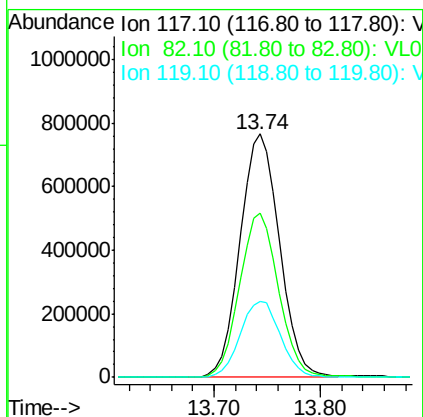
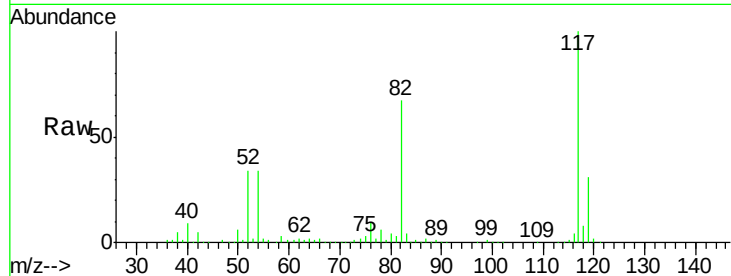




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.74 min Scan# 1748
Delta R.T. -0.01 min
Lab File: VL025777.D
Acq: 28 Jul 2015 6:59

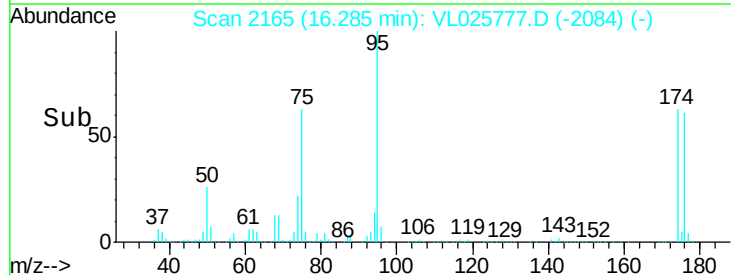
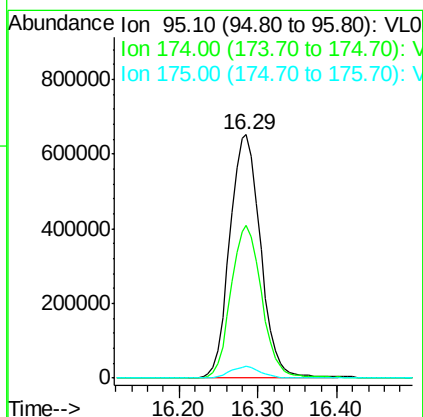
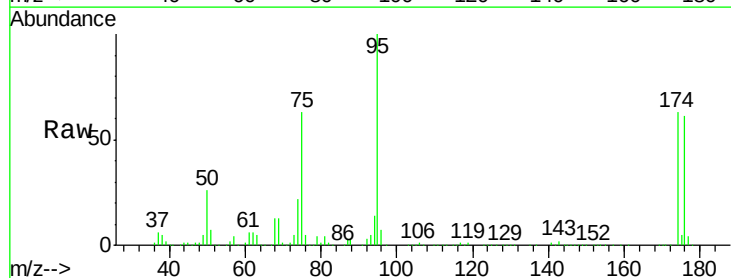
Instrument :
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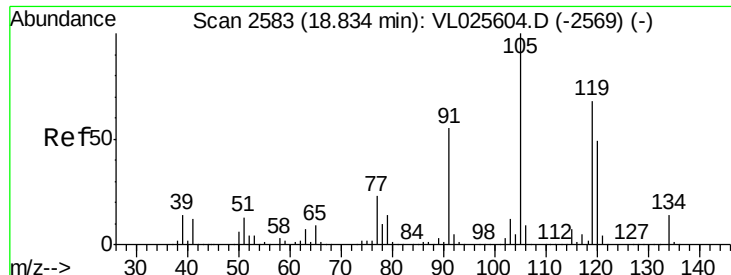
Tot Ion:117 Resp: 1998154
Ion Ratio Lower Upper
117 100
82 67.4 50.5 75.7
119 32.3 45.1 67.7#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.53 ppbv
RT: 16.29 min Scan# 2165
Delta R.T. -0.01 min
Lab File: VL025777.D
Acq: 28 Jul 2015 6:59

Tgt Ion: 95 Resp: 1774331
Ion Ratio Lower Upper
95 100
174 63.1 52.0 78.0
175 4.8 3.9 5.9





#74
 1,2,4-Trimethylbenzene
 Concen: 0.05 ppbv
 RT: 18.83 min Scan# 2582
 Delta R.T. -0.01 min
 Lab File: VL025777.D
 Acq: 28 Jul 2015 6:59

Instrument :
 MSVOA_L
 ClientSampleId :
 DIN46-INFLUENT-072315DL

Tot Ion:	105	Resp:	18005
Ion Ratio	Lower	Upper	
105	100		
120	40.6	39.3	58.9
91	17.7	43.8	65.6
77	18.4	18.3	27.5

